

Data File : VD062228.D
Acq On : 11 May 2019 10:48
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/12/2019 1:22:37 PM

Quant Time: May 11 22:29:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 14:26:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	867199	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	1211093	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	902451	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	456195	50.00	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	374358	46.45	ug/l	0.03
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	6.93	113	489907	48.75	ug/l	0.04
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.41	98	1020369	42.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	84.24%	
62) 4-Bromofluorobenzene	13.56	95	444067	45.64	ug/l	0.01
Spiked Amount	50.000		Recovery	=	91.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	402937	48.582	ug/l	100
3) Chloromethane	1.76	50	250335	41.771	ug/l	97
4) Vinyl Chloride	1.86	62	274694	46.639	ug/l	99
5) Bromomethane	2.16	94	106100	76.879	ug/l	97
6) Chloroethane	2.28	64	136409	55.194	ug/l	99
7) Trichlorofluoromethane	2.54	101	679793	59.367	ug/l	100
8) Diethyl Ether	2.88	74	89879	40.699	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.16	101	426192	49.202	ug/l	99
10) Methyl Iodide	3.31	142	595632	45.497	ug/l	90
11) Tert butyl alcohol	4.06	59	93775	227.959	ug/l	98
12) 1,1-Dichloroethene	3.14	96	337865	51.097	ug/l	87
13) Acrolein	3.04	56	92242	216.795	ug/l	95
14) Allyl chloride	3.63	41	475309	49.439	ug/l	# 84
15) Acrylonitrile	4.20	53	224314	207.456	ug/l	# 86
16) Acetone	3.22	43	495422	293.139	ug/l	# 88
17) Carbon Disulfide	3.38	76	936641	49.242	ug/l	99
18) Methyl Acetate	3.65	43	134056	44.316	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	693360	48.921	ug/l	96
20) Methylene Chloride	3.82	84	327326	46.386	ug/l	94
21) trans-1,2-Dichloroethene	4.23	96	363863	49.452	ug/l	99
22) Diisopropyl ether	5.12	45	1004297	49.089	ug/l	90
23) Vinyl Acetate	5.06	43	2820983	261.341	ug/l	97
24) 1,1-Dichloroethane	5.00	63	614886	49.821	ug/l	97
25) 2-Butanone	6.07	43	453581	246.051	ug/l	97
26) 2,2-Dichloropropane	6.03	77	690134	56.135	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	412107	50.038	ug/l	97
28) Bromochloromethane	6.44	49	273702	56.366	ug/l	90
29) Tetrahydrofuran	6.46	42	187907	221.227	ug/l	97
30) Chloroform	6.67	83	784087	52.714	ug/l	98
31) Cyclohexane	6.95	56	432583	51.160	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	780254	55.499	ug/l	99
36) 1,1-Dichloropropene	7.15	75	502254	50.580	ug/l	94
37) Ethyl Acetate	6.19	43	204077	48.462	ug/l	# 90
38) Carbon Tetrachloride	7.11	117	755422m	54.965	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	459877	48.337	ug/l	95
40) Benzene	7.46	78	1038905	46.333	ug/l	98
41) Methacrylonitrile	6.45	41	239277	46.496	ug/l #	85
42) 1,2-Dichloroethane	7.58	62	521969	54.943	ug/l	94
43) Isopropyl Acetate	9.24	43	277580	46.478	ug/l #	96
44) Trichloroethene	8.55	130	438154	51.280	ug/l	95
45) 1,2-Dichloropropane	8.94	63	258354	46.582	ug/l	98
46) Dibromomethane	9.07	93	223396	49.532	ug/l #	87
47) Bromodichloromethane	9.37	83	586741	53.185	ug/l	96
48) Methyl methacrylate	9.13	41	171725	46.681	ug/l	90
49) 1,4-Dioxane	9.09	88	33538	844.973	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	865529	225.455	ug/l	95
52) Toluene	10.51	92	747801	51.257	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	490396	51.433	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	500851	48.151	ug/l	91
55) 1,1,2-Trichloroethane	11.19	97	241113	46.710	ug/l	94
56) Ethyl methacrylate	11.04	69	250924	46.779	ug/l #	87
57) 1,3-Dichloropropane	11.41	76	391925	50.257	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	749152	255.680	ug/l	100
59) 2-Hexanone	11.53	43	681423	240.827	ug/l	95
60) Dibromochloromethane	11.69	129	437522	49.044	ug/l	99
61) 1,2-Dibromoethane	11.81	107	299969	47.798	ug/l	98
64) Tetrachloroethene	11.25	164	390799	55.379	ug/l	98
65) Chlorobenzene	12.40	112	820202	48.797	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	403899	55.213	ug/l	96
67) Ethyl Benzene	12.52	91	1508489	53.607	ug/l	97
68) m/p-Xylenes	12.67	106	1057850	103.327	ug/l	94
69) o-Xylene	13.05	106	494928	51.999	ug/l	83
70) Styrene	13.07	104	858068	53.218	ug/l	96
71) Bromoform	13.23	173	276226	54.274	ug/l	99
73) Isopropylbenzene	13.40	105	1591181	58.187	ug/l	96
74) N-amyl acetate	13.26	43	368509	51.400	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.70	83	261241	50.463	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	280735	51.782	ug/l	98
77) Bromobenzene	13.67	156	434477	56.757	ug/l	95
78) n-propylbenzene	13.77	91	1814196	55.615	ug/l	95
79) 2-Chlorotoluene	13.84	91	1050237	56.216	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1360518	59.083	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	76416	49.928	ug/l #	79
82) 4-Chlorotoluene	13.95	91	1215411	55.285	ug/l	93
83) tert-Butylbenzene	14.19	119	1471728	56.862	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	1280958	55.434	ug/l	91
85) sec-Butylbenzene	14.36	105	1551084	54.658	ug/l	94
86) p-Isopropyltoluene	14.49	119	1339848	52.846	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	770874	55.126	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	730879	53.193	ug/l	96
89) n-Butylbenzene	14.80	91	1289638	56.670	ug/l	96
90) Hexachloroethane	15.00	117	406691	58.984	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	600081	52.105	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	49345	58.067	ug/l	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051119\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	522943	62.384	ug/l	96
94) Hexachlorobutadiene	16.04	225	351830	56.431	ug/l	99
95) Naphthalene	16.13	128	648347	55.400	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	318016	60.339	ug/l	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VD062228.D

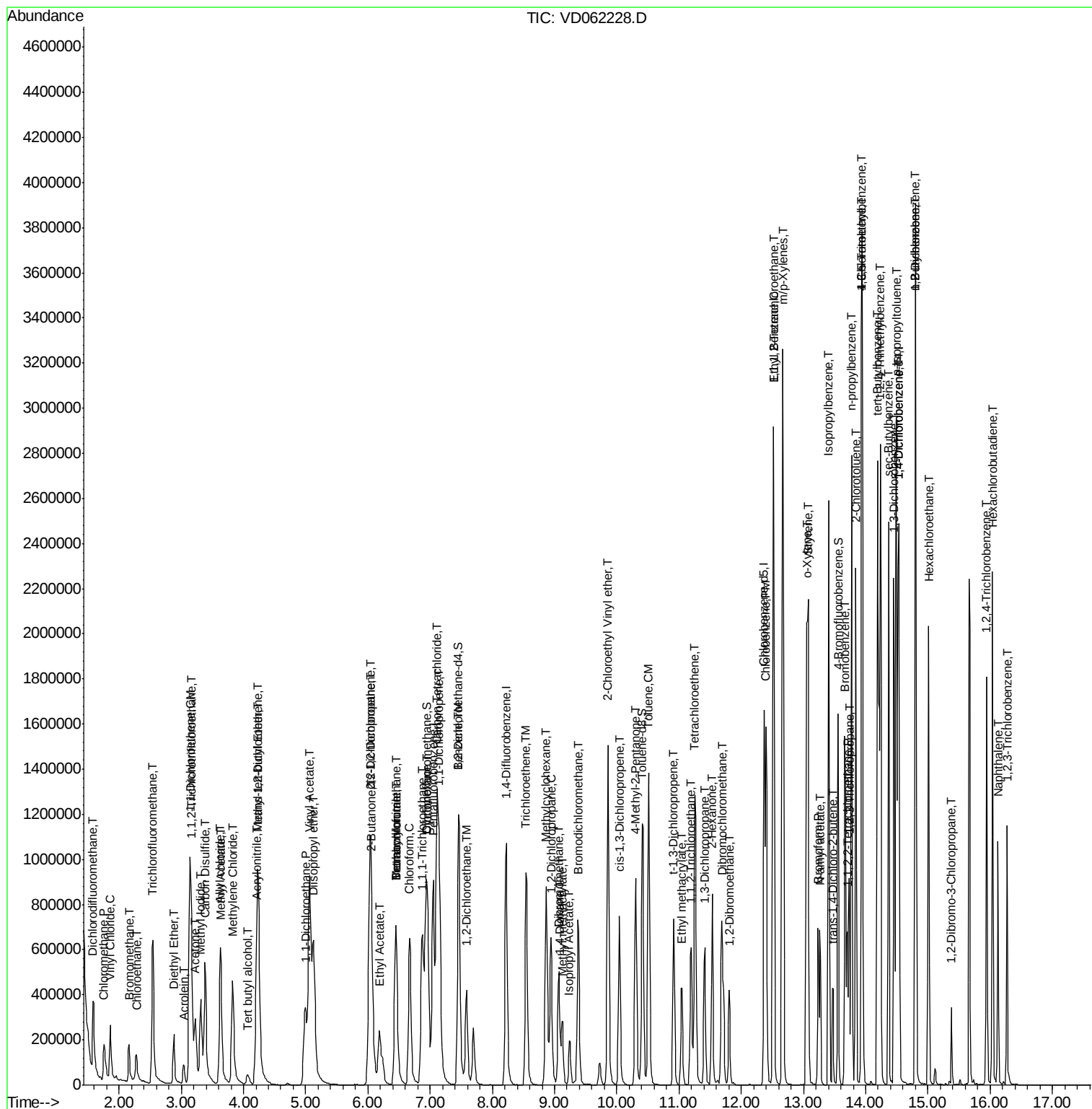
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Acq On       : 11 May 2019   10:48
Operator     : FY/SY
Sample       : VSTDCCC050
Misc         : 5.00g/5mL/MSV0A_D/SOIL
ALS Vial     : 2      Sample Multiplier: 1
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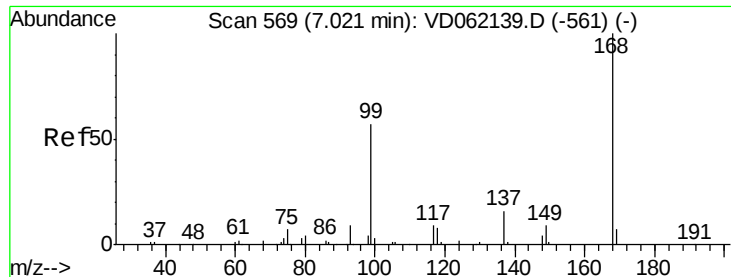
Instrument :
MSVOA_D
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 867199

Ion Ratio Lower Upper

168 100

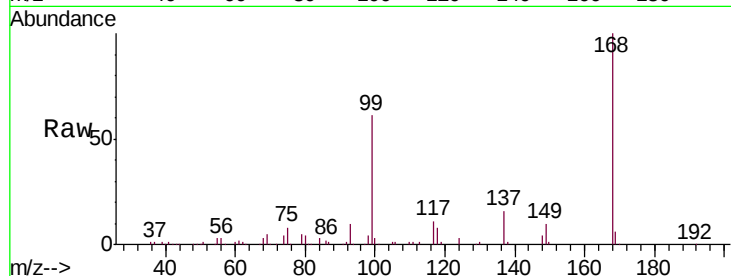
99 60.8 46.5 69.7

Manual Integrations

APPROVED

MMDadoda

5/12/2019 1:22:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

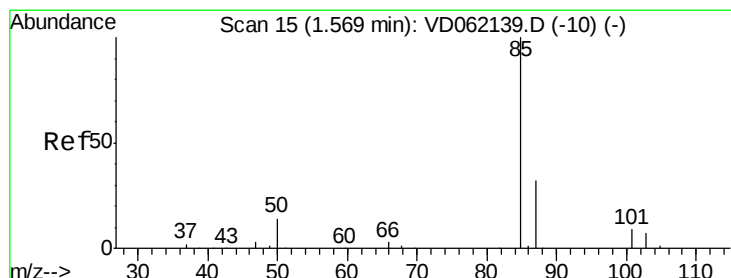
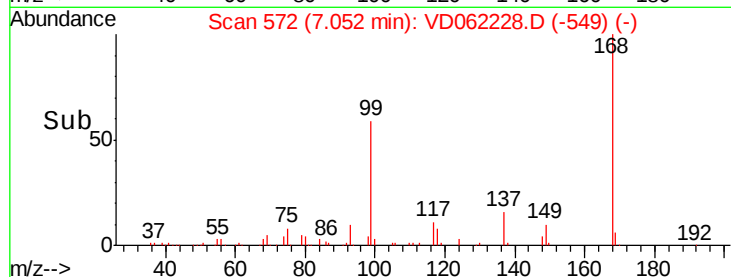
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.582 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD062228.D

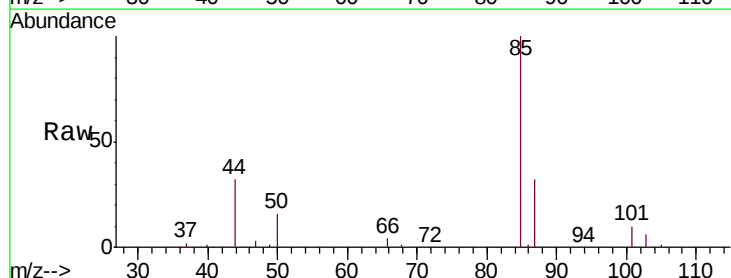
Acq: 11 May 2019 10:48

Tgt Ion: 85 Resp: 402937

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

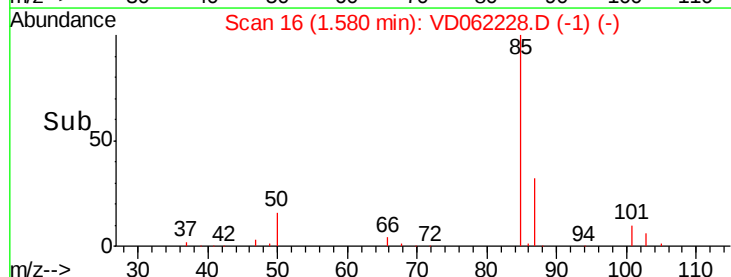
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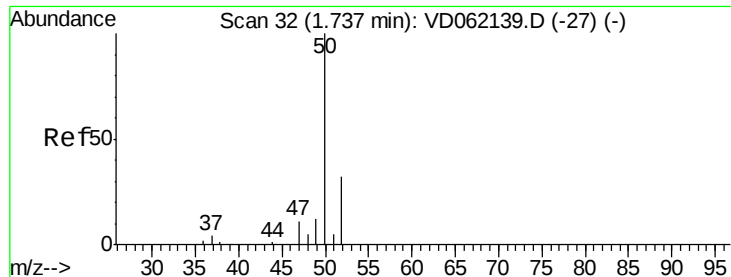
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 41.771 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 250335

Ion Ratio Lower Upper

50 100

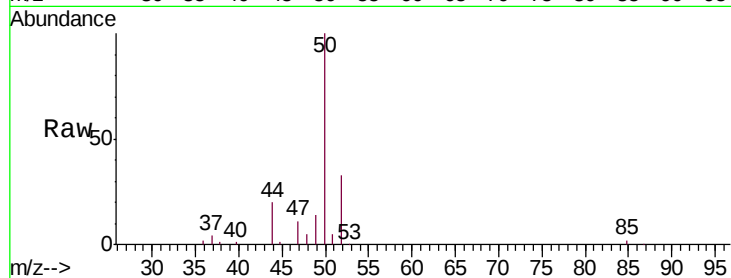
52 33.0 25.2 37.8

Manual Integrations

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MMDadoda

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

100000

80000

60000

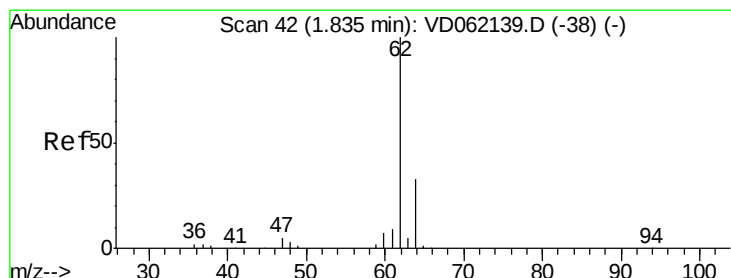
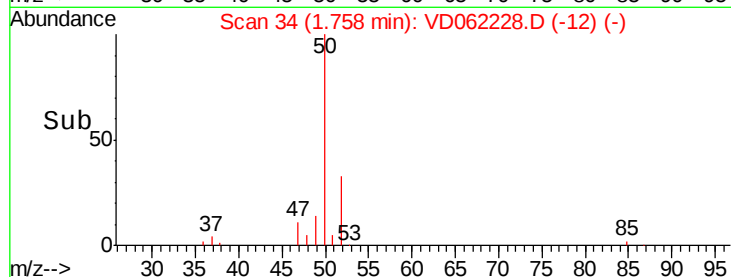
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 46.639 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062228.D

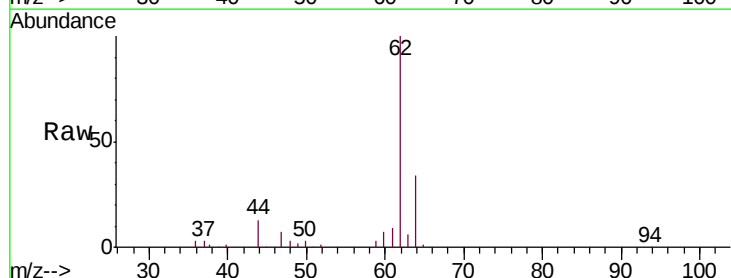
Acq: 11 May 2019 10:48

Tgt Ion: 62 Resp: 274694

Ion Ratio Lower Upper

62 100

64 33.6 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

150000

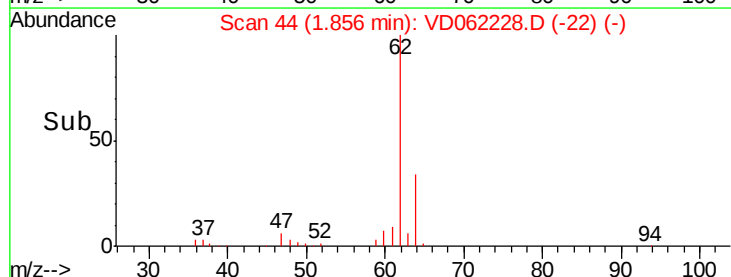
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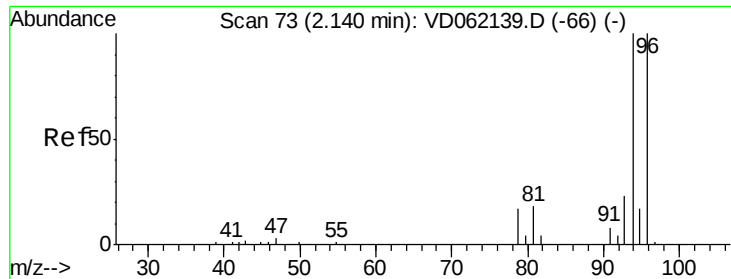
50000

0

1.80 1.90 2.00

Time-->





#5

Bromomethane

Concen: 76.879 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

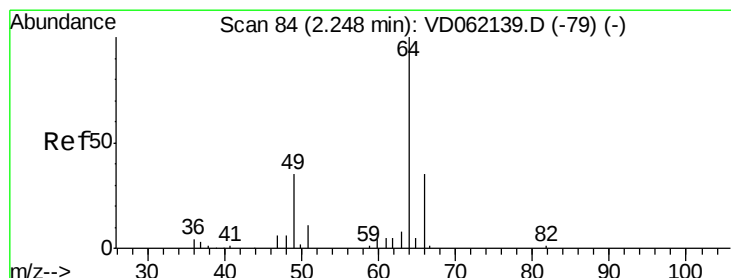
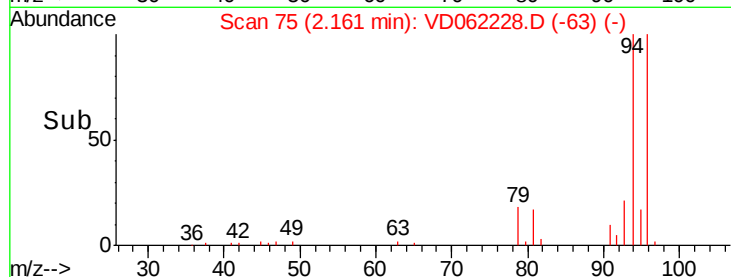
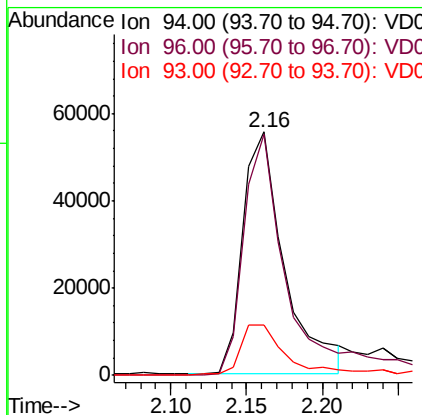
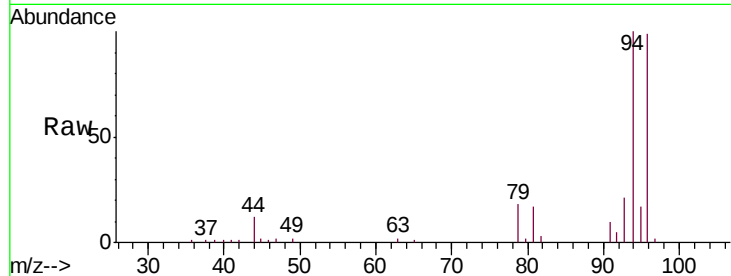
ClientSampleId :

VSTDCCC050

Tgt Ion:	94	Resp:	106100
Ion	Ratio	Lower	Upper
94	100		
96	98.9	76.6	115.0
93	20.7	18.5	27.7

Manual Integrations
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#6

Chloroethane

Concen: 55.194 ug/l

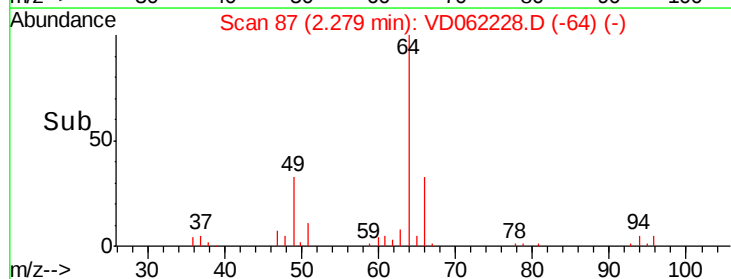
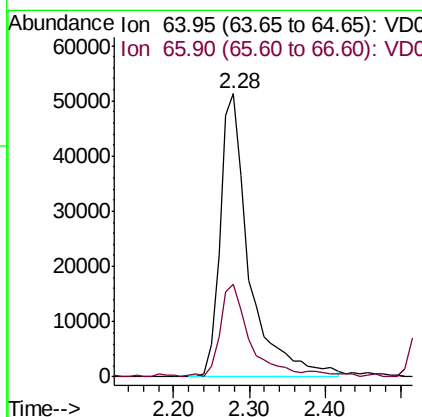
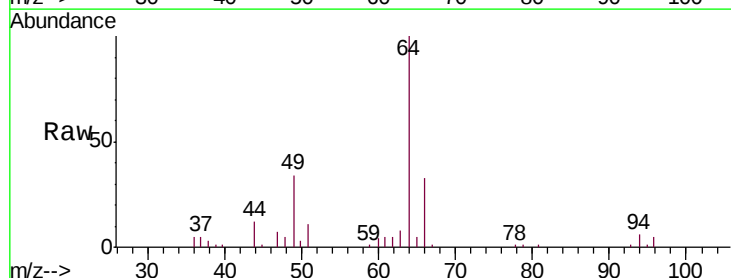
RT: 2.28 min Scan# 87

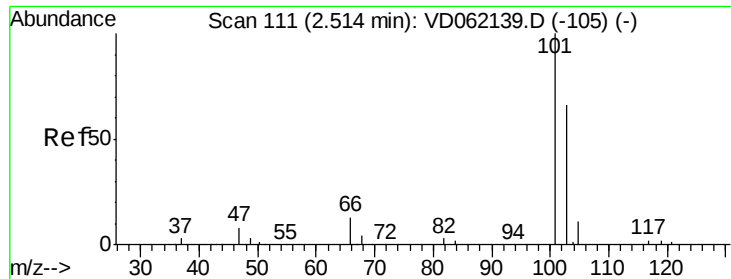
Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion:	64	Resp:	136409
Ion	Ratio	Lower	Upper
64	100		
66	32.8	25.6	38.4





#7

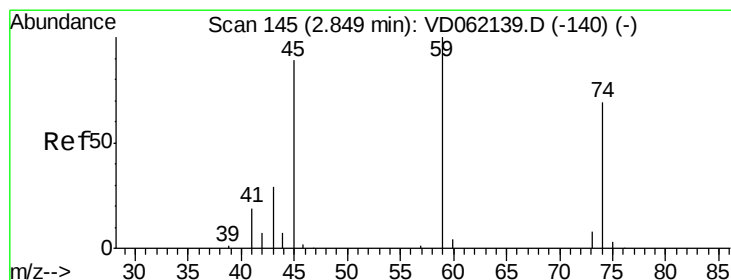
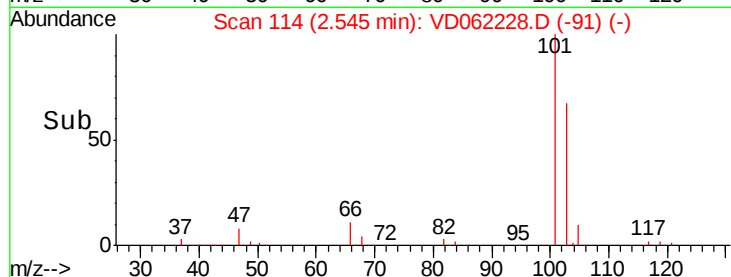
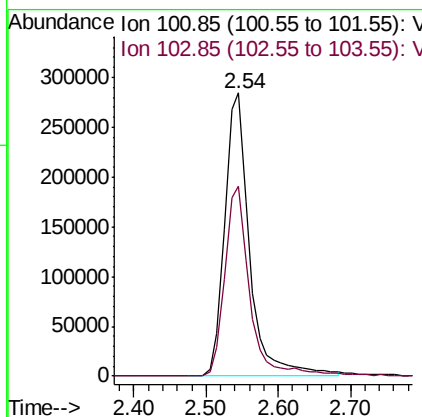
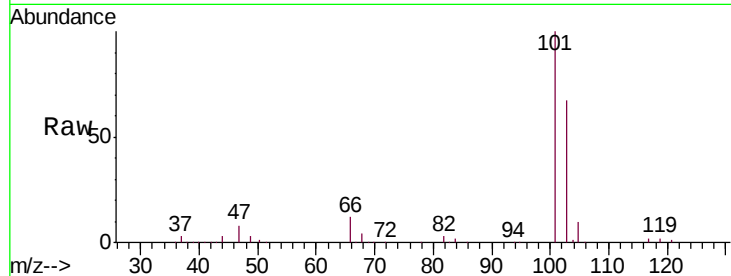
Trichlorofluoromethane
Concen: 59.367 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.1	53.6	80.4

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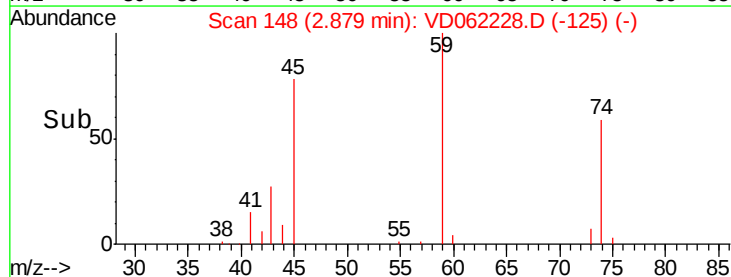
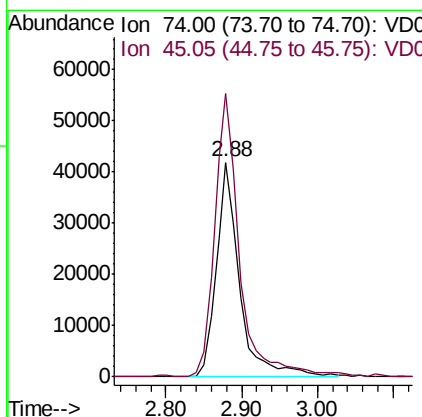
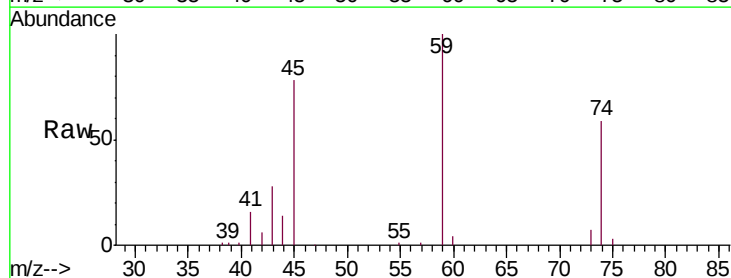
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5/12/2019 1:22:37 PM

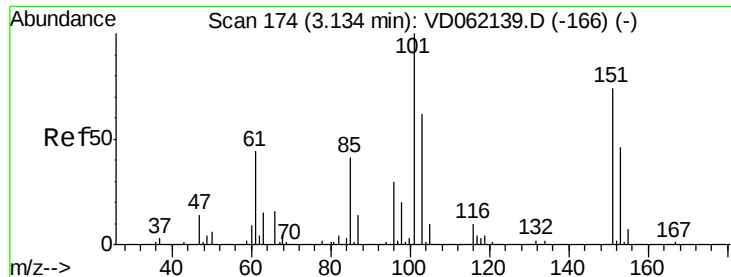


#8

Diethyl Ether
Concen: 40.699 ug/l
RT: 2.88 min Scan# 148
Delta R.T. 0.03 min
Lab File: VD062228.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.9	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.202 ug/l

RT: 3.16 min Scan# 177

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

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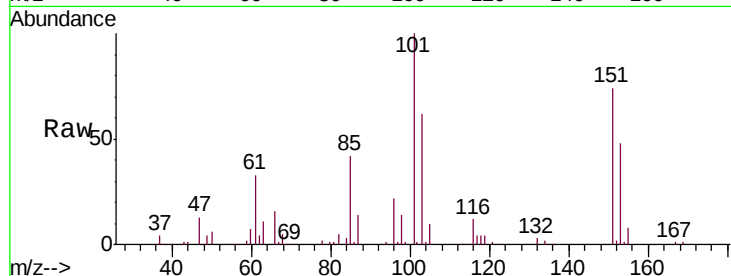
ClientSampleId :

VSTDCCC050

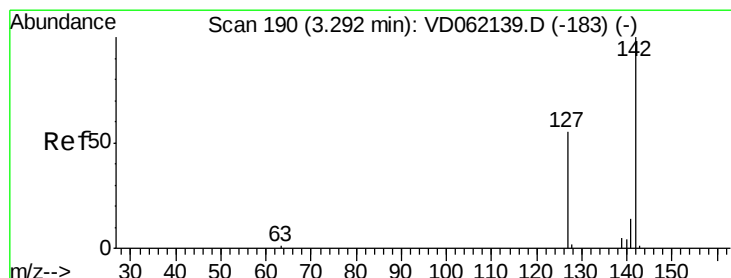
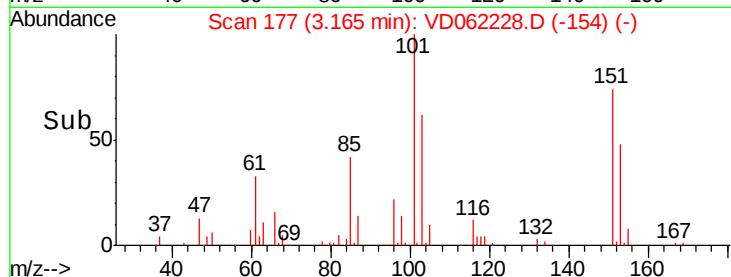
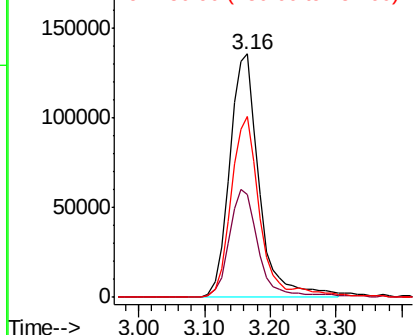
Tgt	Ion:101	Resp:	426192
Ion	Ratio	Lower	Upper
101	100		
85	42.2	32.4	48.6
151	74.5	59.4	89.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 45.497 ug/l

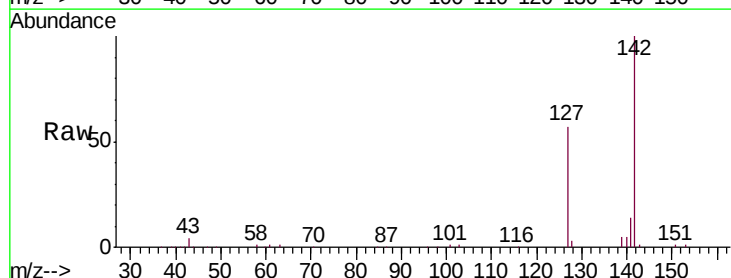
RT: 3.31 min Scan# 192

Delta R.T. 0.02 min

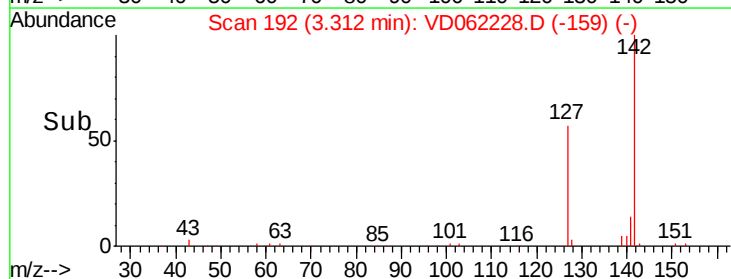
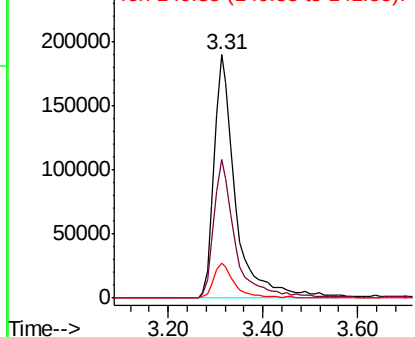
Lab File: VD062228.D

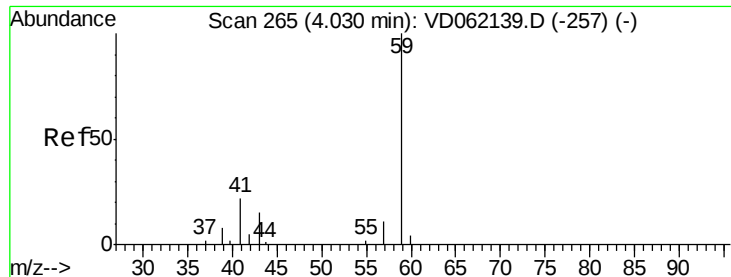
Acq: 11 May 2019 10:48

Tgt	Ion:142	Resp:	595632
Ion	Ratio	Lower	Upper
142	100		
127	57.2	38.8	58.2
141	14.4	11.4	17.0



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

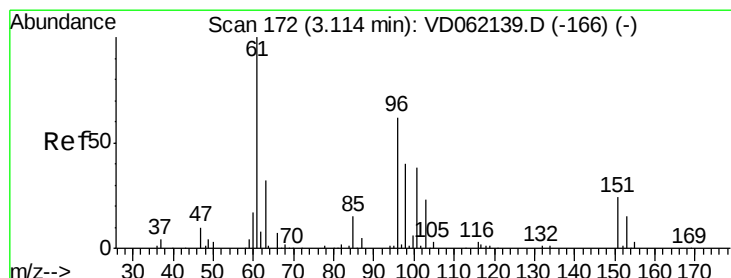
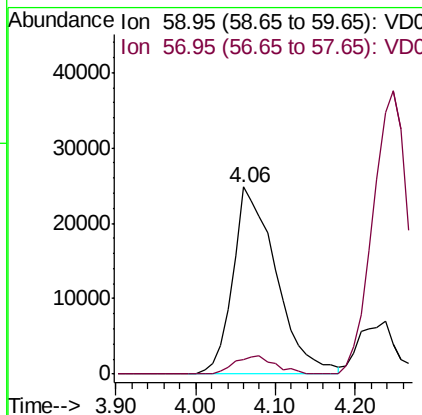
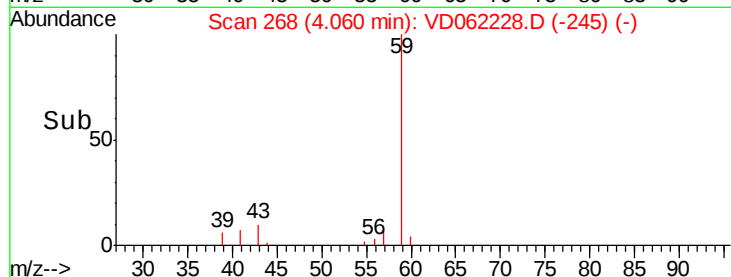
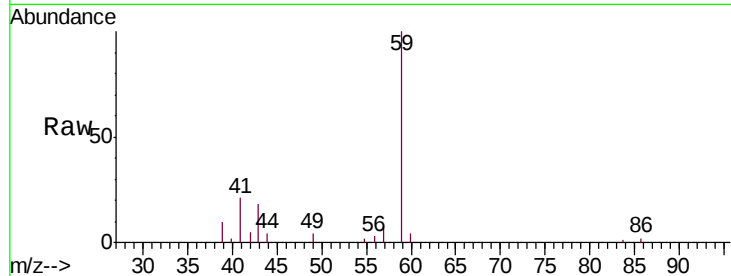
Tert butyl alcohol
Concen: 227.959 ug/l
RT: 4.06 min Scan# 268
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 93775
Ion Ratio Lower Upper
59 100
57 7.8 6.9 10.3

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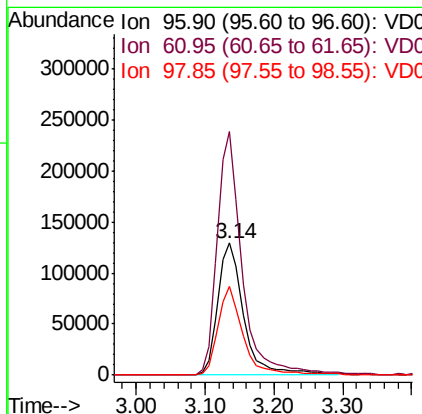
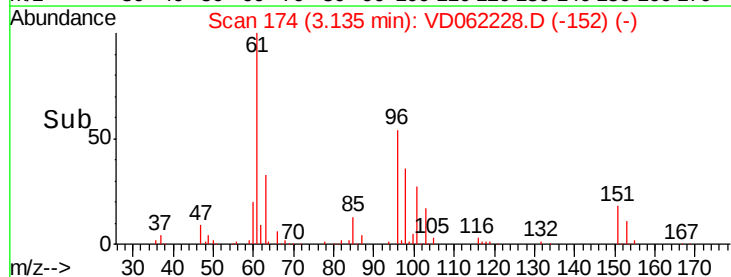
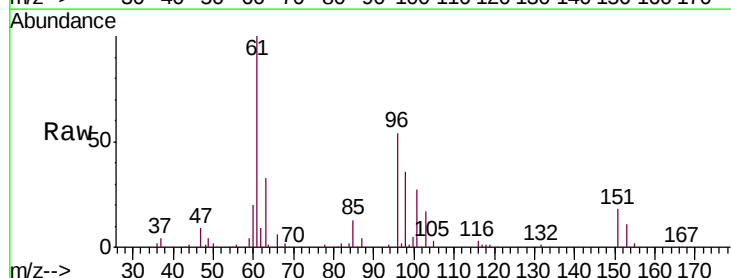
MMDadoda
5/12/2019 1:22:37 PM

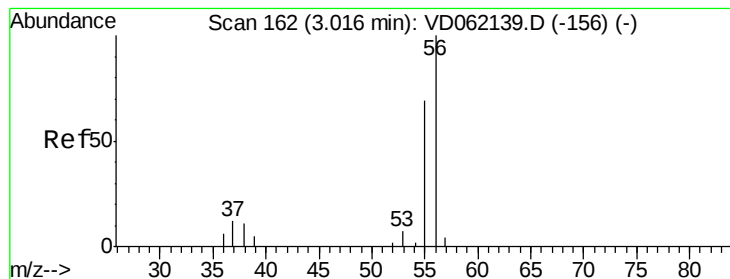


#12

1,1-Dichloroethene
Concen: 51.097 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 96 Resp: 337865
Ion Ratio Lower Upper
96 100
61 184.5 129.8 194.8
98 67.3 51.2 76.8





#13

Acrolein

Concen: 216.795 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 92242

Ion Ratio Lower Upper

56 100

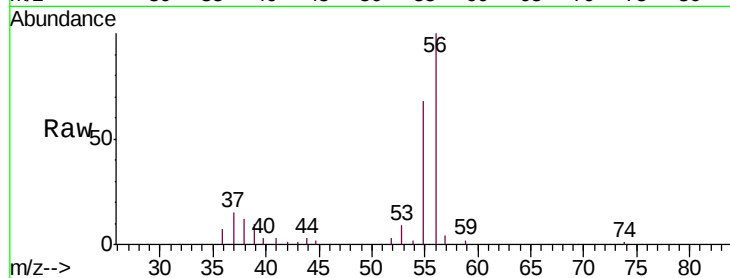
55 68.4 51.4 77.2

Manual Integrations

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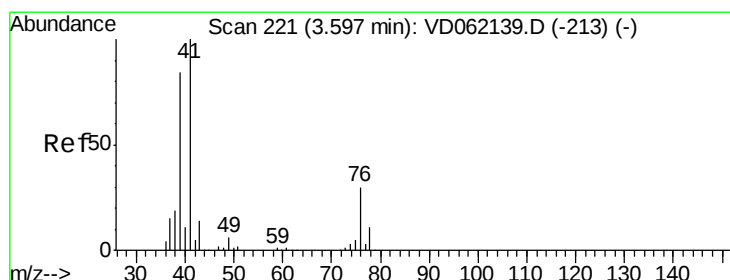
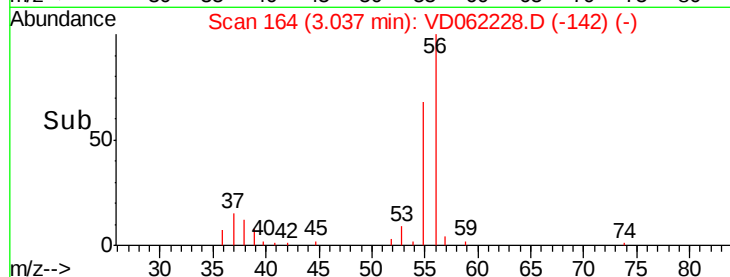
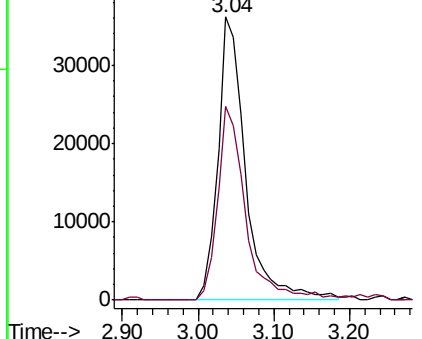
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.439 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

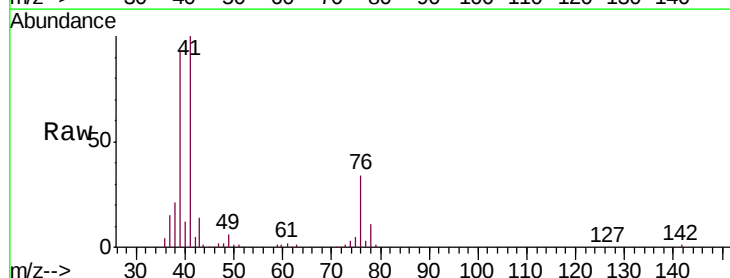
Tgt Ion: 41 Resp: 475309

Ion Ratio Lower Upper

41 100

39 92.6 60.5 90.7#

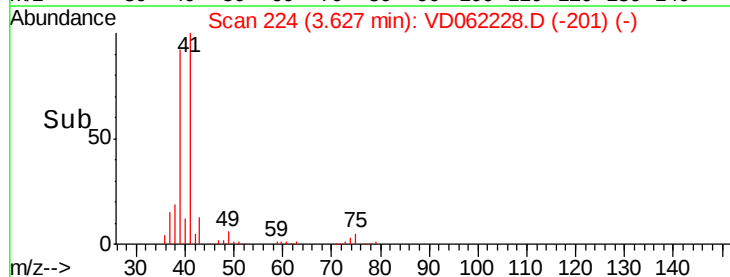
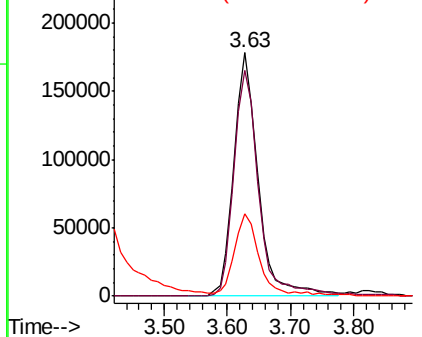
76 33.8 31.8 47.8

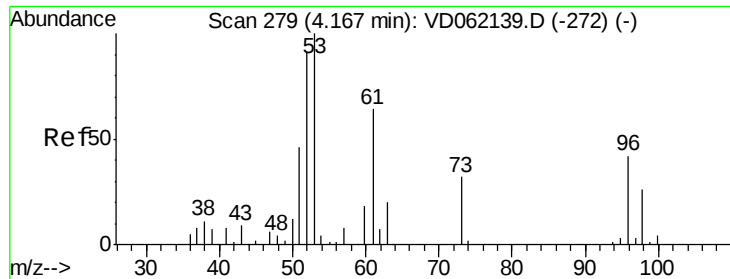


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





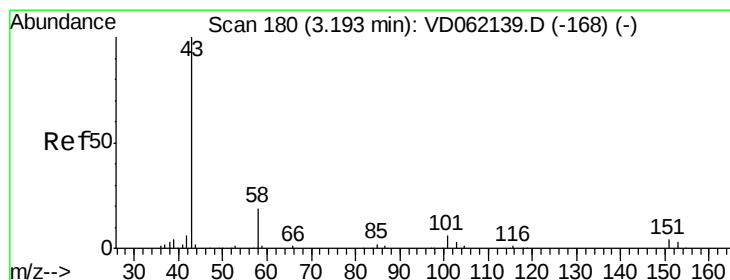
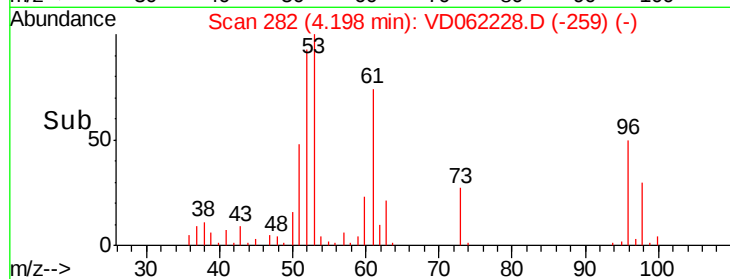
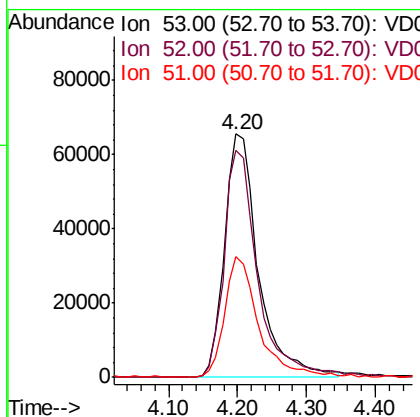
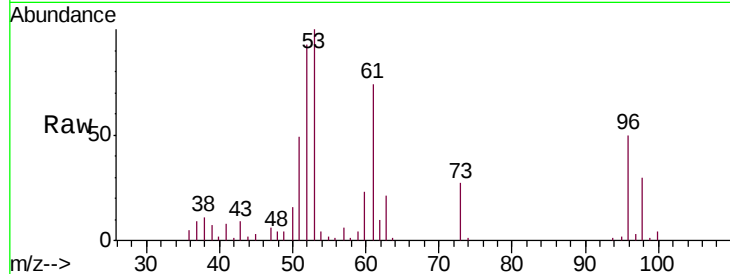
#15
 Acrylonitrile
 Concen: 207.456 ug/l
 RT: 4.20 min Scan# 282
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	93.4	65.0	97.4
51	49.5	32.6	48.8

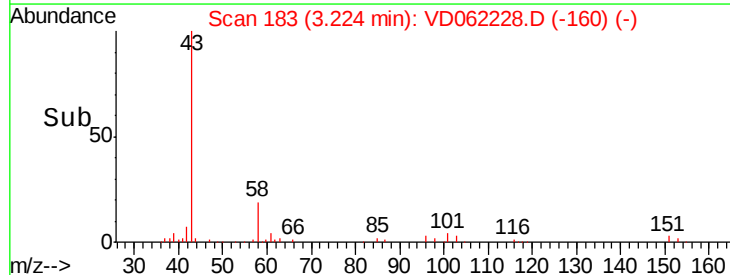
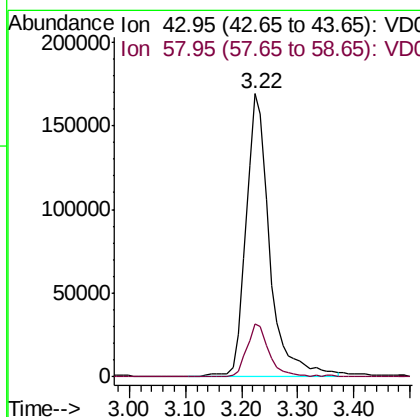
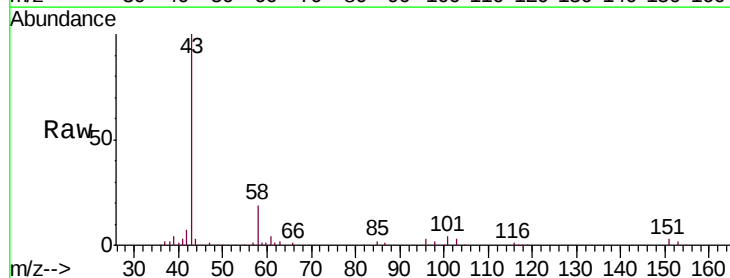
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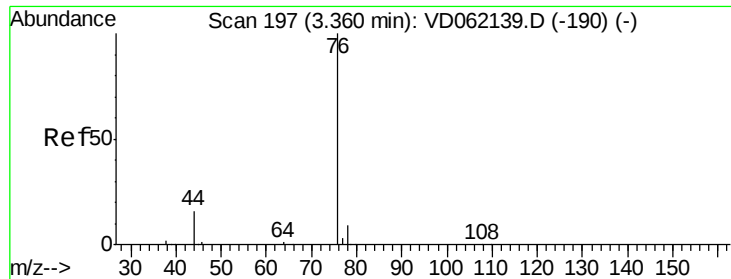
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#16
 Acetone
 Concen: 293.139 ug/l
 RT: 3.22 min Scan# 183
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	18.7	19.9	29.9





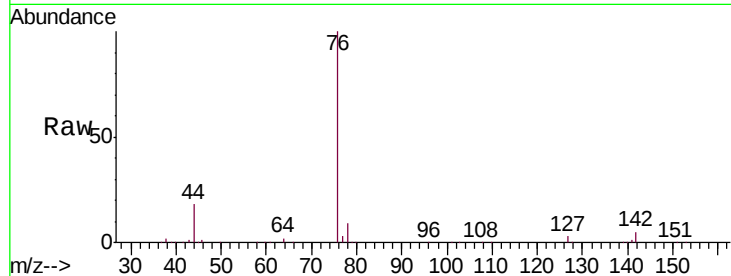
#17
Carbon Disulfide
Concen: 49.242 ug/l
RT: 3.38 min Scan# 199
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

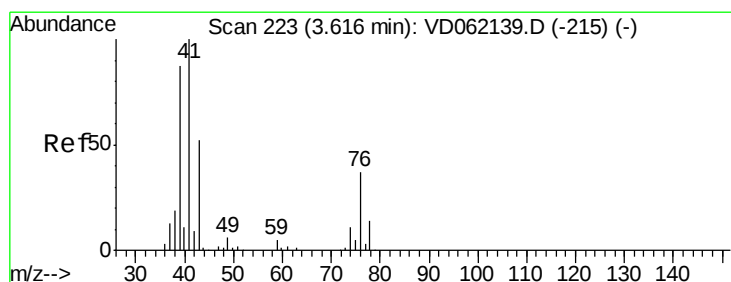
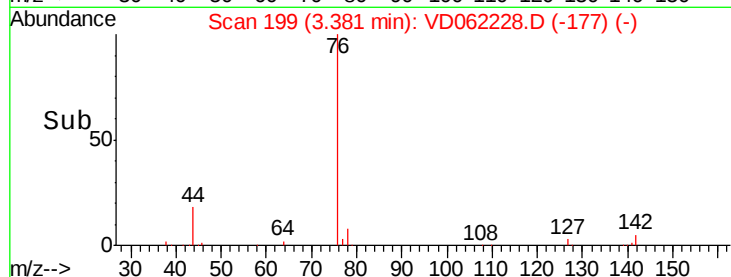
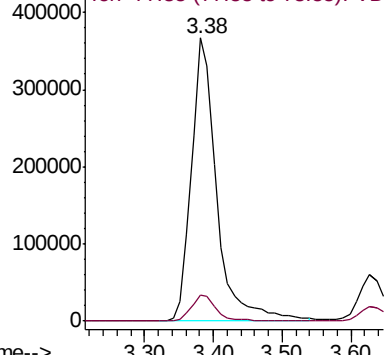
Tgt Ion: 76 Resp: 936641
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

Manual Integrations
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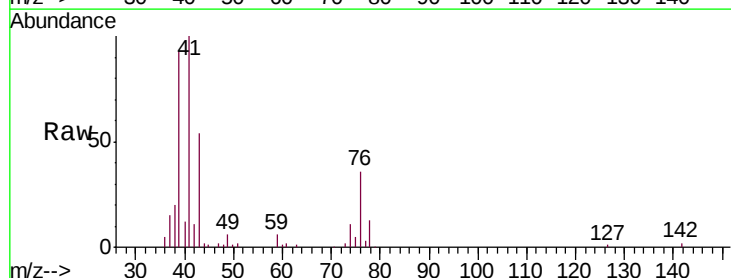


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

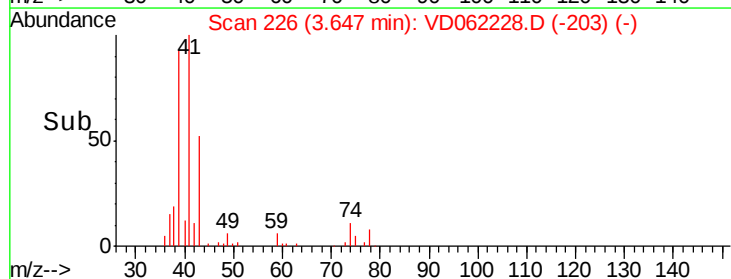
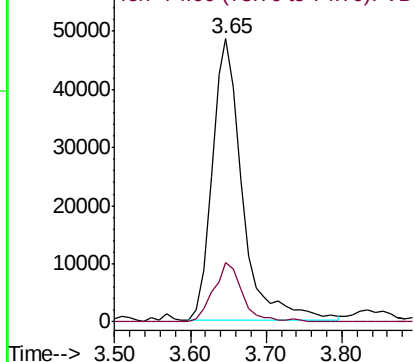


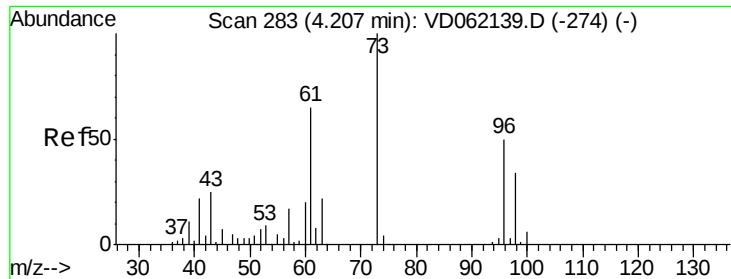
#18
Methyl Acetate
Concen: 44.316 ug/l
RT: 3.65 min Scan# 226
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 43 Resp: 134056
Ion Ratio Lower Upper
43 100
74 20.8 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC





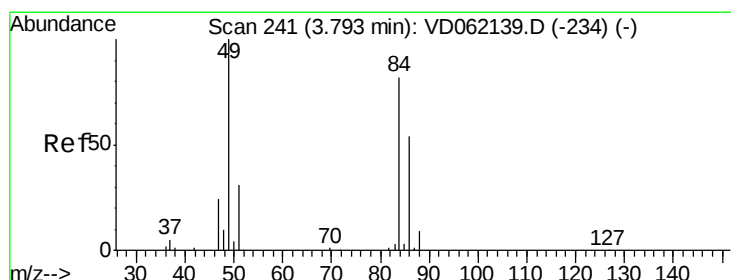
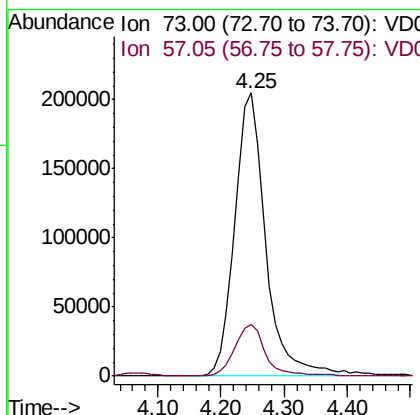
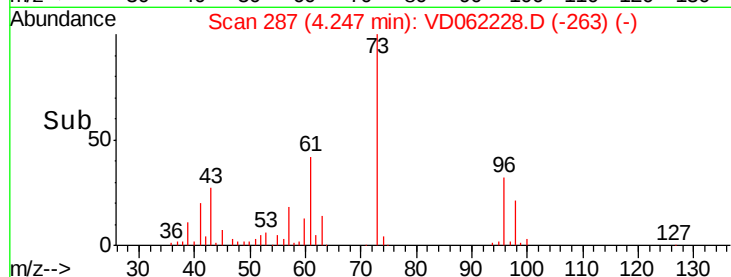
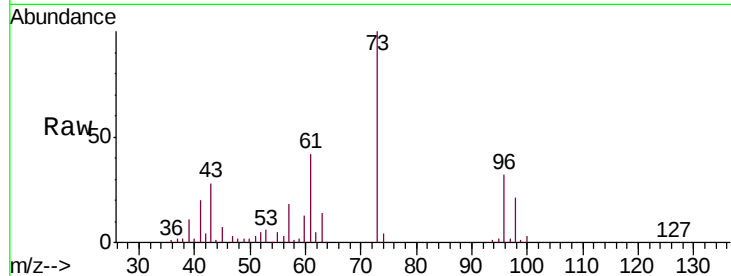
#19
Methyl tert-butyl Ether
Concen: 48.921 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 693360
Ion Ratio Lower Upper
73 100
57 18.3 16.3 24.5

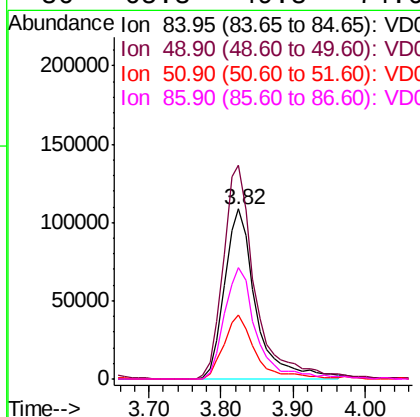
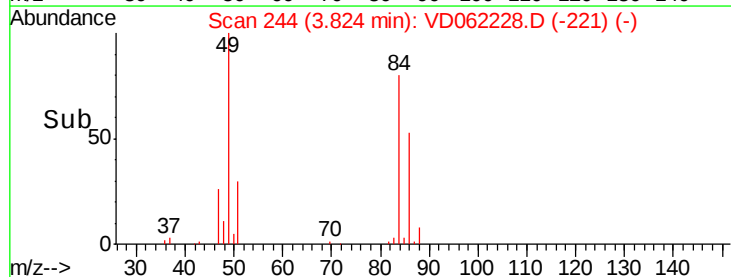
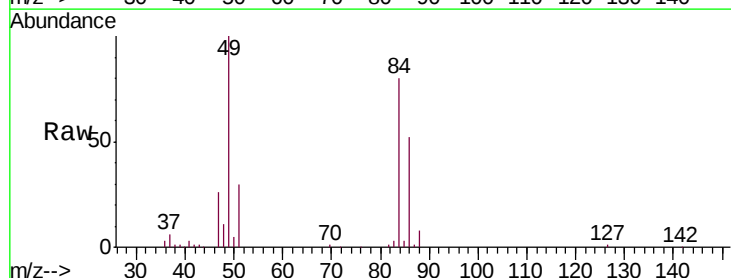
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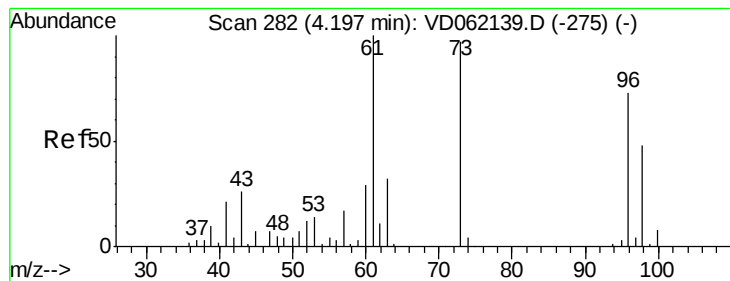
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#20
Methylene Chloride
Concen: 46.386 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 84 Resp: 327326
Ion Ratio Lower Upper
84 100
49 125.5 94.0 141.0
51 37.7 29.0 43.4
86 65.3 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.452 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 363863

Ion Ratio Lower Upper

96 100

61 132.0 104.4 156.6

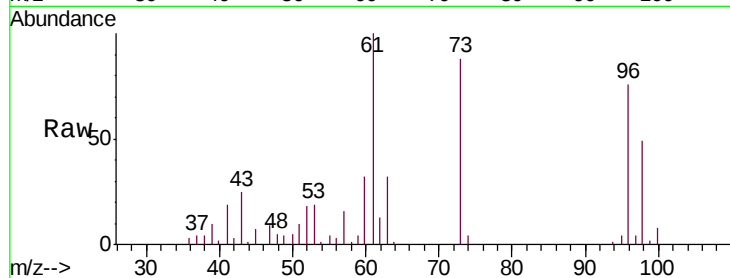
98 64.0 51.8 77.8

Manual Integrations

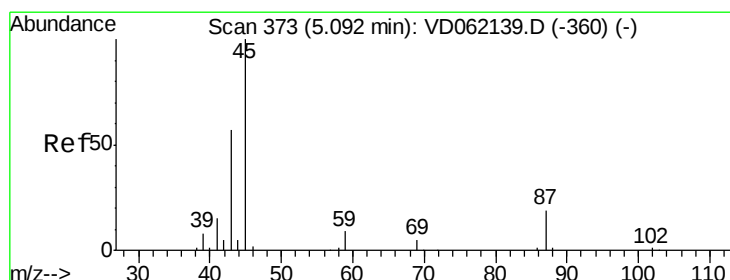
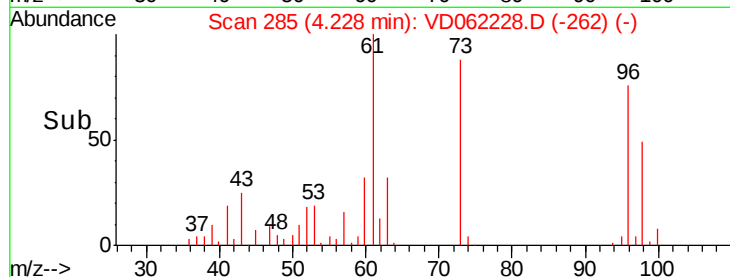
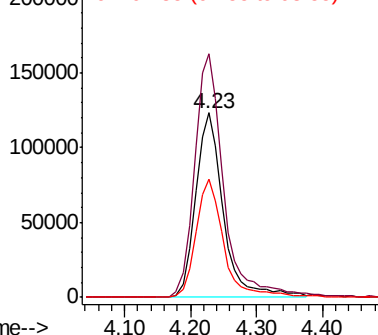
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 49.089 ug/l

RT: 5.12 min Scan# 376

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion: 45 Resp: 1004297

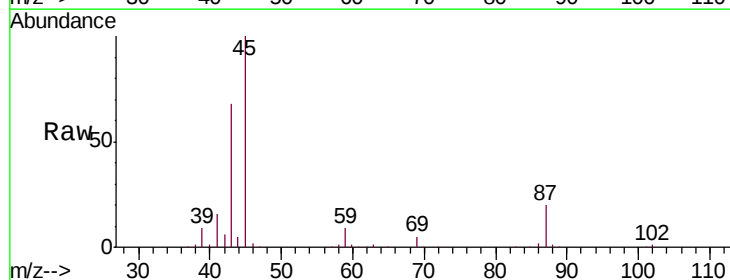
Ion Ratio Lower Upper

45 100

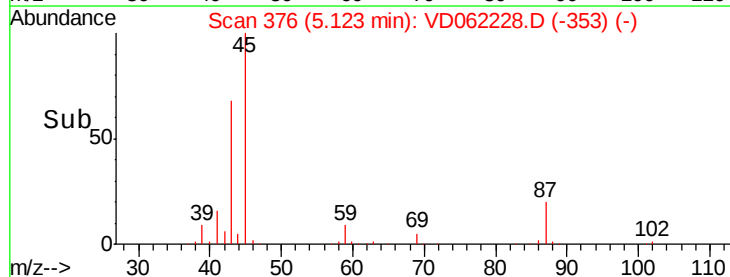
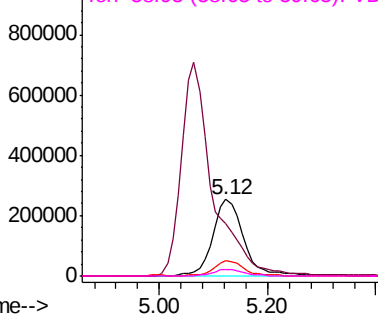
43 68.4 46.2 69.2

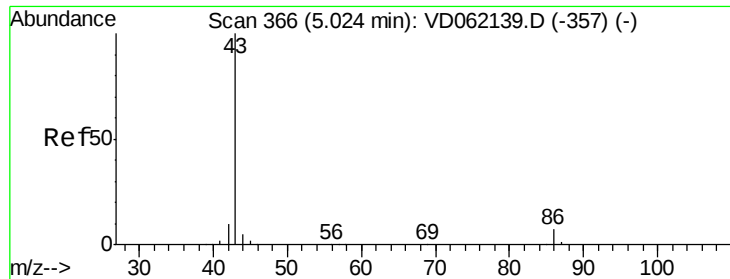
87 20.0 15.9 23.9

59 8.8 7.9 11.9



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





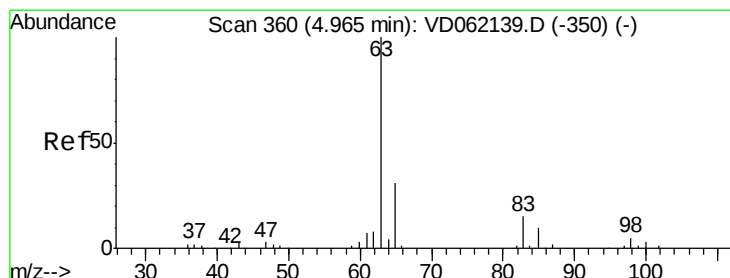
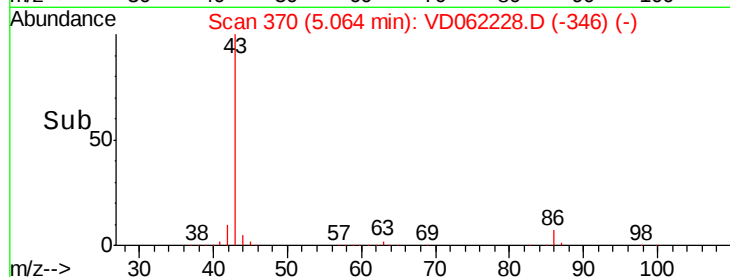
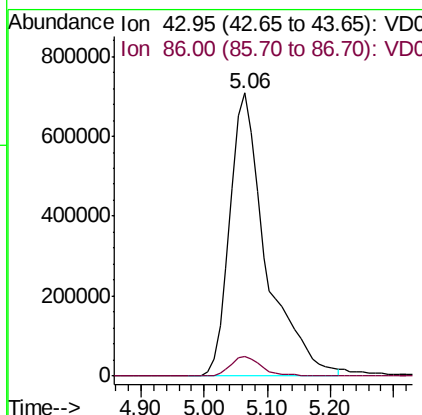
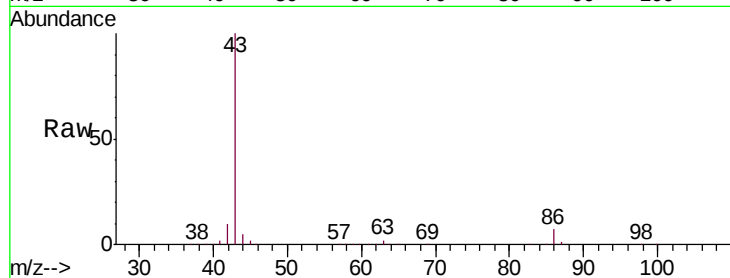
#23
 Vinyl Acetate
 Concen: 261.341 ug/l
 RT: 5.06 min Scan# 370
 Delta R.T. 0.04 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 2820983
 Ion Ratio Lower Upper
 43 100
 86 7.1 6.4 9.6

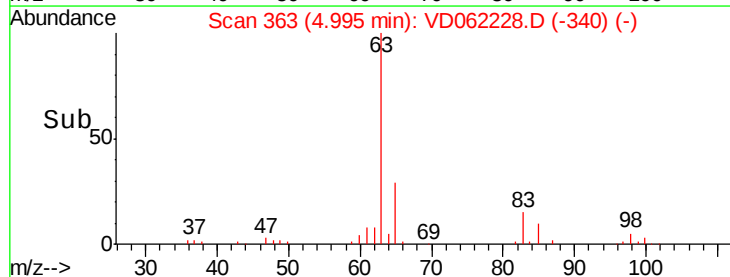
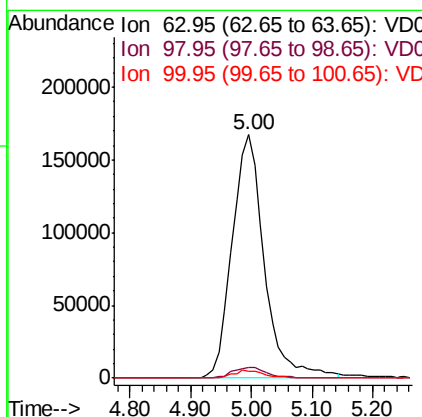
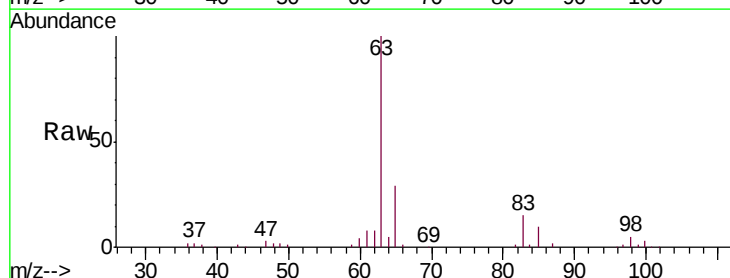
Manual Integrations
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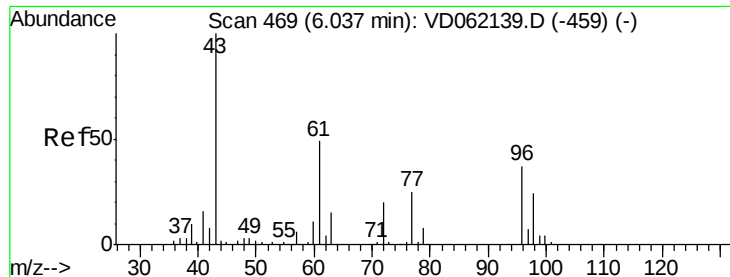
MMDadoda
 5/12/2019 1:22:37 PM



#24
 1,1-Dichloroethane
 Concen: 49.821 ug/l
 RT: 5.00 min Scan# 363
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 63 Resp: 614886
 Ion Ratio Lower Upper
 63 100
 98 4.6 2.8 8.4
 100 2.6 1.8 5.5





#25

2-Butanone

Concen: 246.051 ug/l

RT: 6.07 min Scan# 472

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 453581

Ion Ratio Lower Upper

43 100

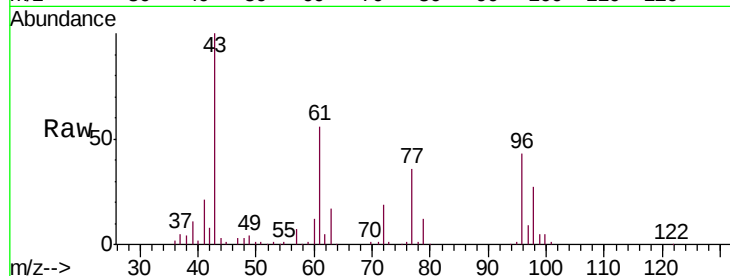
72 18.8 16.2 24.4

Manual Integrations

APPROVED

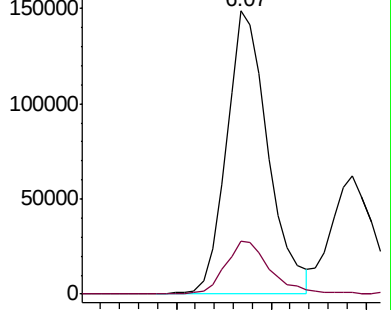
MMDadoda

5/12/2019 1:22:37 PM

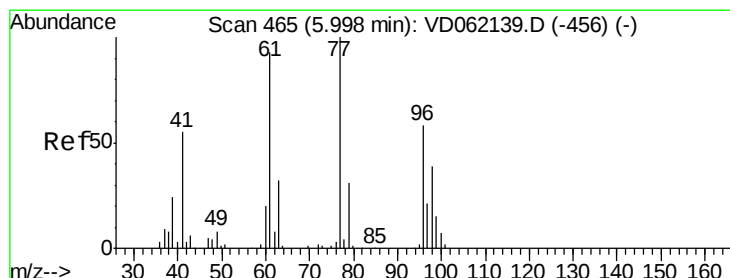
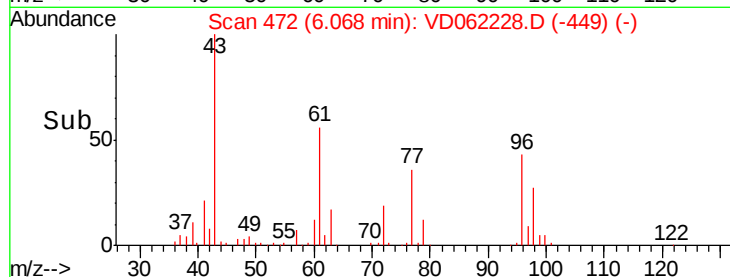


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 56.135 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD062228.D

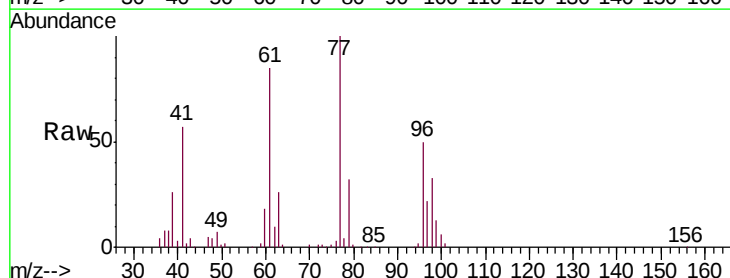
Acq: 11 May 2019 10:48

Tgt Ion: 77 Resp: 690134

Ion Ratio Lower Upper

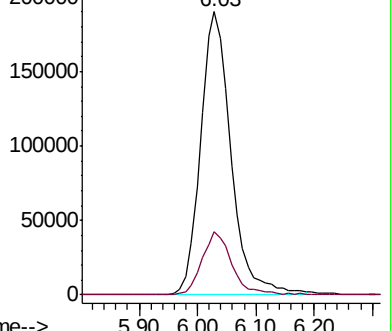
77 100

97 22.2 11.9 35.9

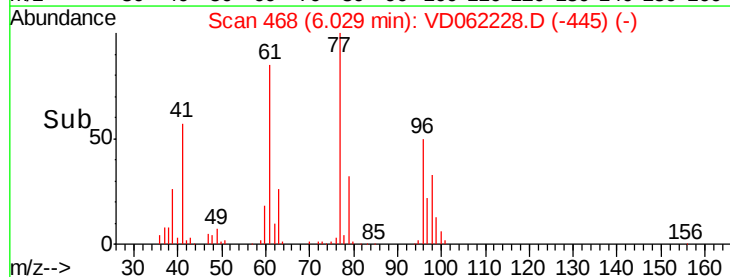


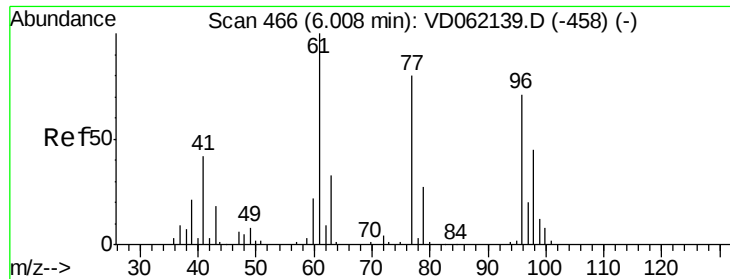
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

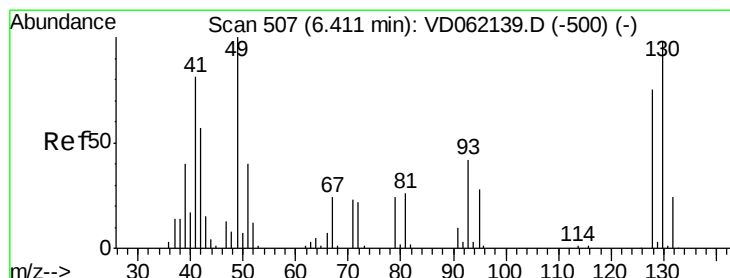
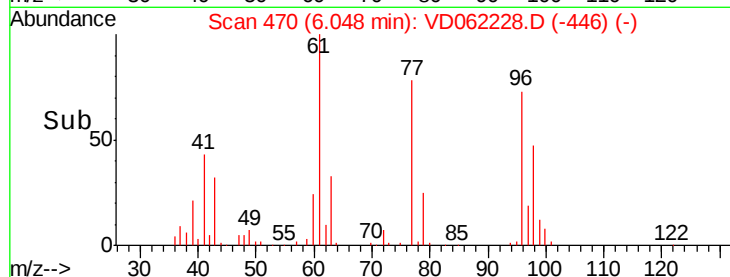
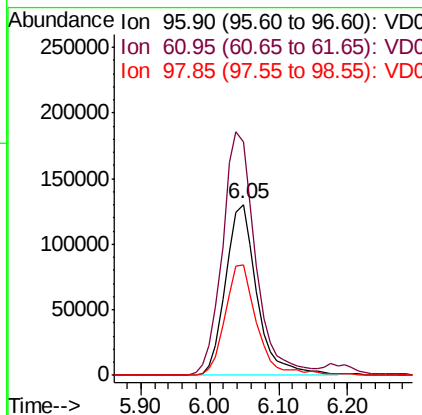
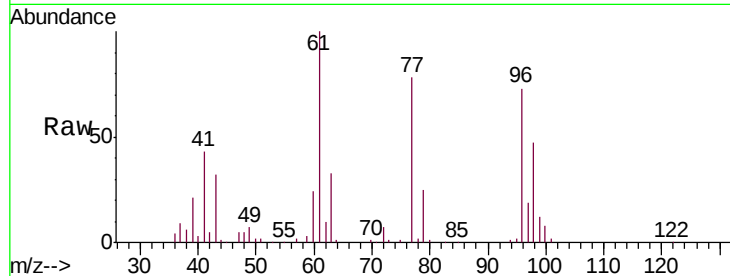
cis-1,2-Dichloroethene
Concen: 50.038 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	412107		
61	136.2	0.0	279.8	
98	64.5	0.0	136.0	

Manual Integrations
APPROVED

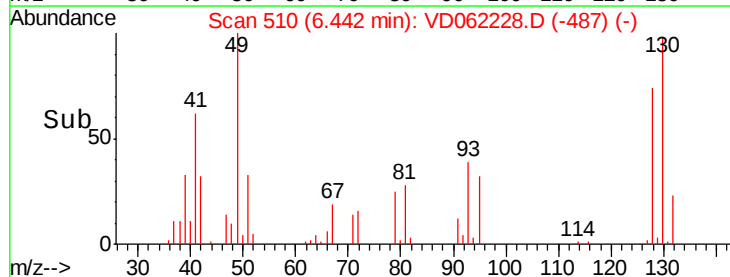
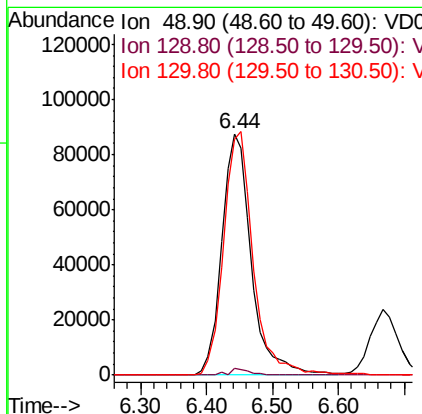
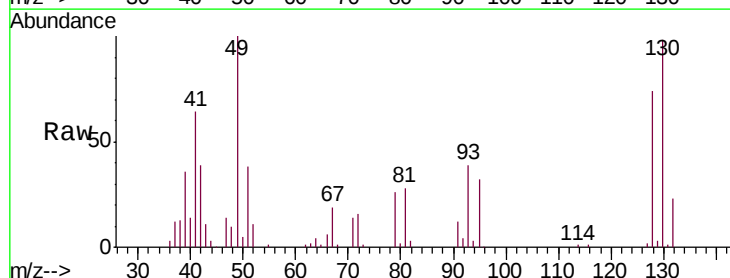
MMDadoda
5/12/2019 1:22:37 PM

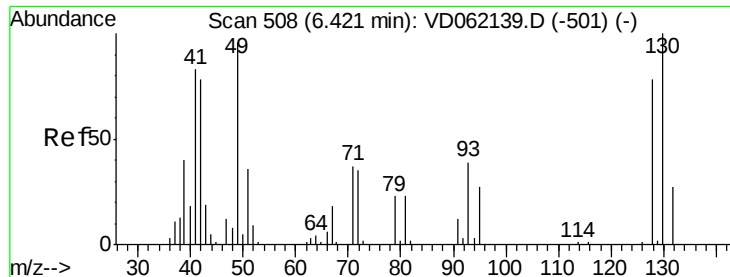


#28

Bromochloromethane
Concen: 56.366 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	273702		
129	2.9	0.0	6.6	
130	97.9	86.7	130.1	





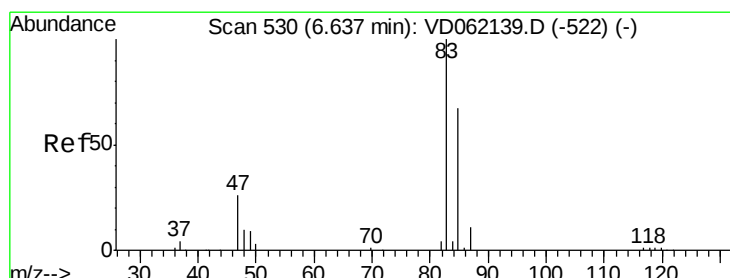
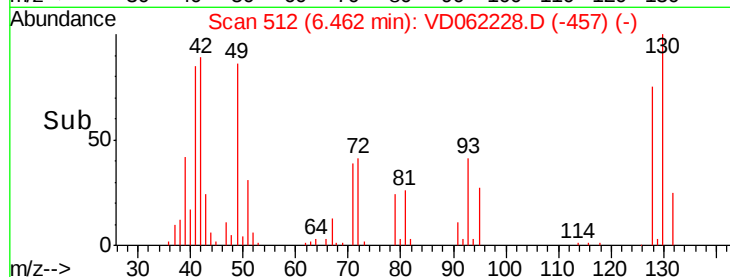
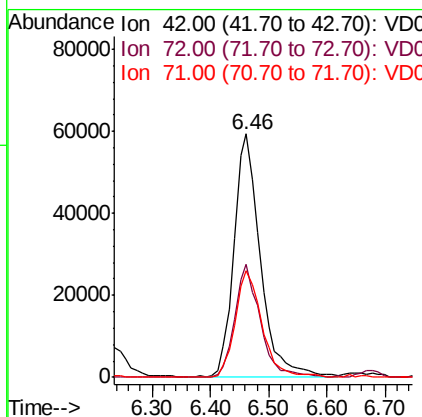
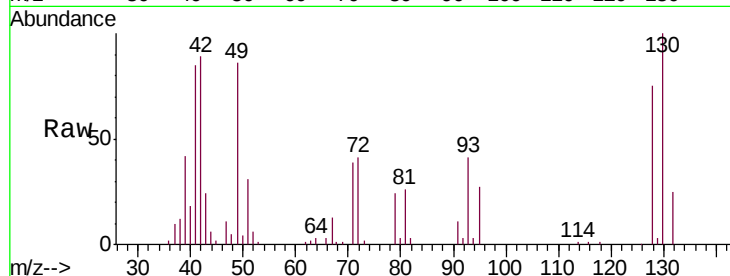
#29
Tetrahydrofuran
Concen: 221.227 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	187907		
72	44.5	37.8	56.6	
71	44.2	36.7	55.1	

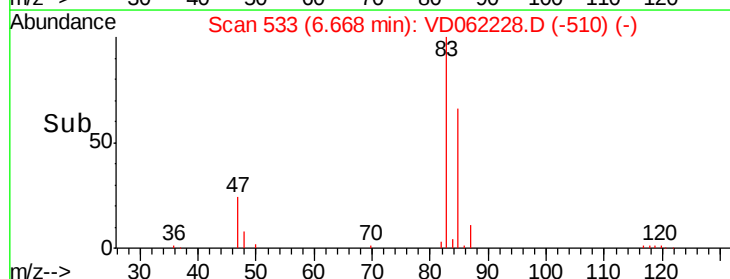
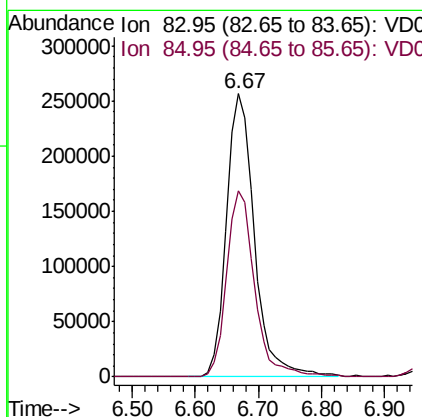
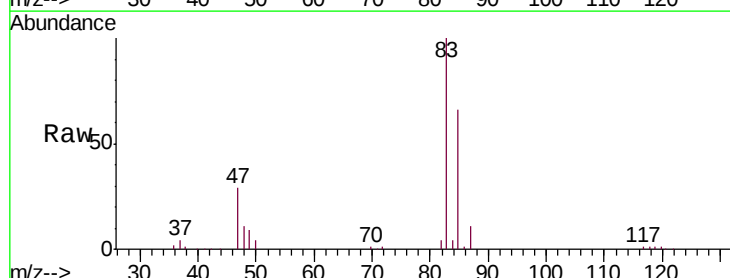
Manual Integrations
APPROVED

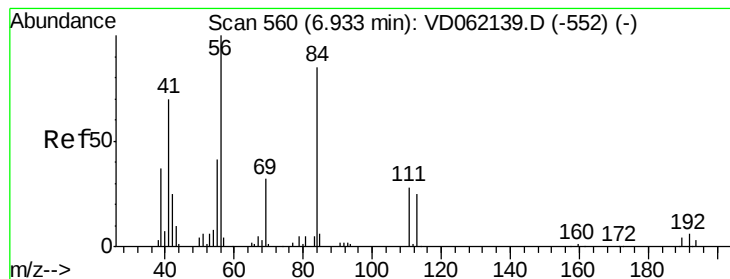
MMDadoda
5/12/2019 1:22:37 PM



#30
Chloroform
Concen: 52.714 ug/l
RT: 6.67 min Scan# 533
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	784087		
85	66.0	51.7	77.5	





#31

Cyclohexane

Concen: 51.160 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

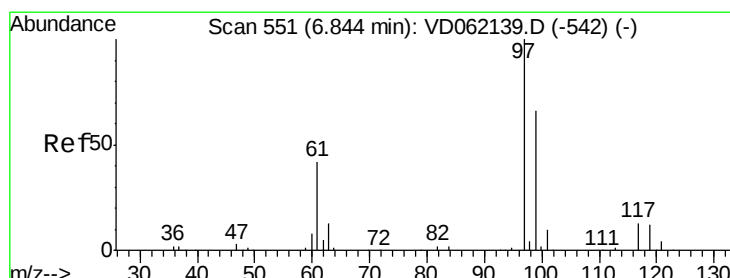
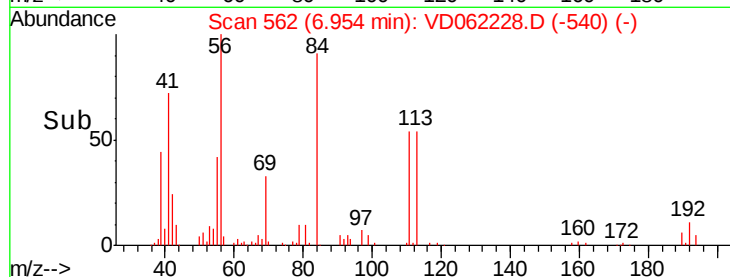
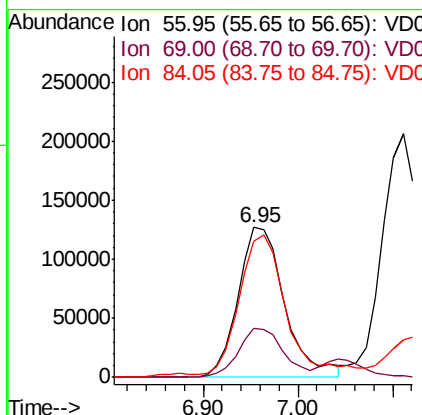
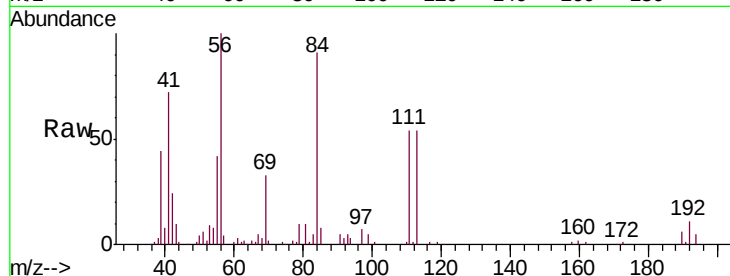
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	432583
Ion Ratio	Lower	Upper	
56	100		
69	32.6	25.8	38.6
84	91.1	72.2	108.4

Manual Integrations
APPROVED

MMDadoda
5/12/2019 1:22:37 PM



#32

1,1,1-Trichloroethane

Concen: 55.499 ug/l

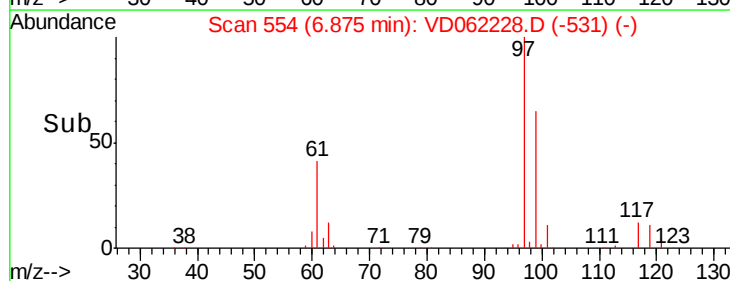
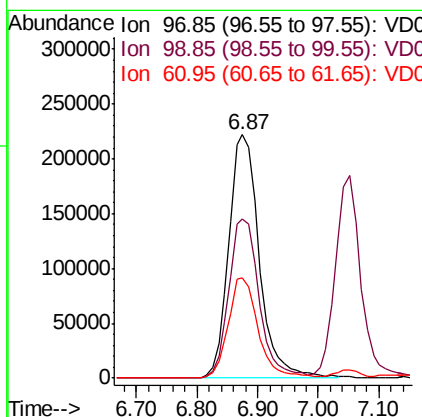
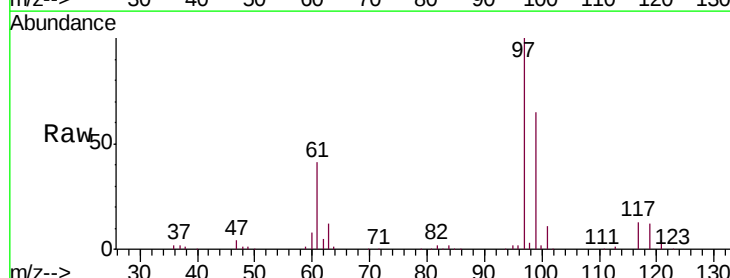
RT: 6.87 min Scan# 554

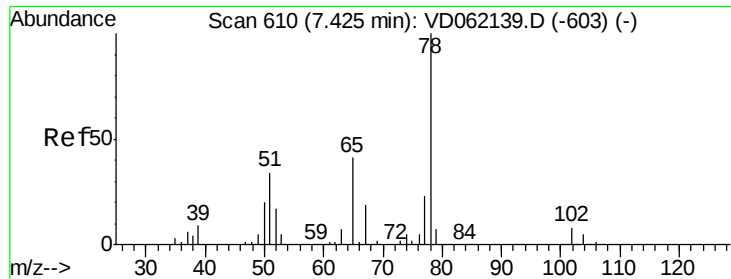
Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion:	97	Resp:	780254
Ion Ratio	Lower	Upper	
97	100		
99	65.1	52.2	78.2
61	41.3	32.4	48.6





#33

1,2-Dichloroethane-d4

Concen: 46.452 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 374358

Ion Ratio Lower Upper

65 100

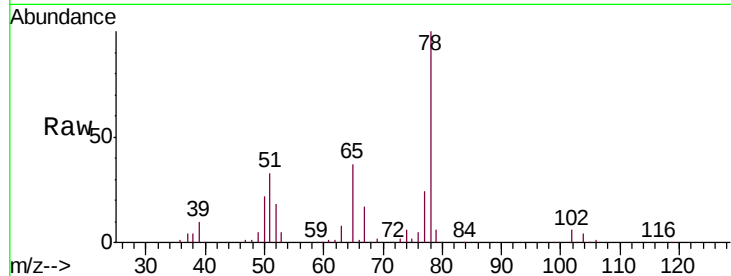
67 45.0 0.0 98.0

Manual Integrations

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

150000

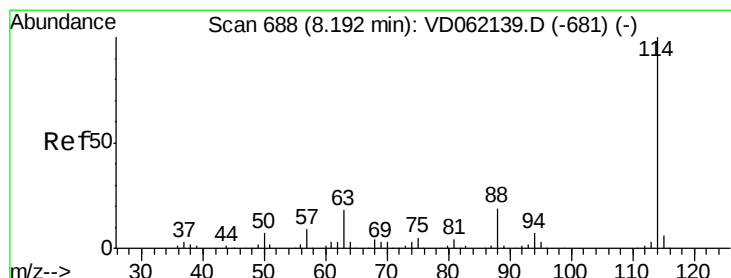
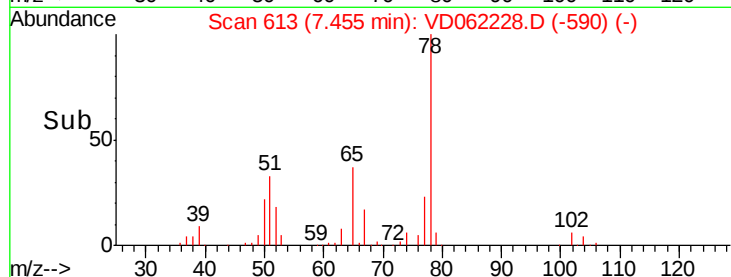
100000

50000

0

7.40 7.45 7.50 7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.22 min Scan# 691

Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

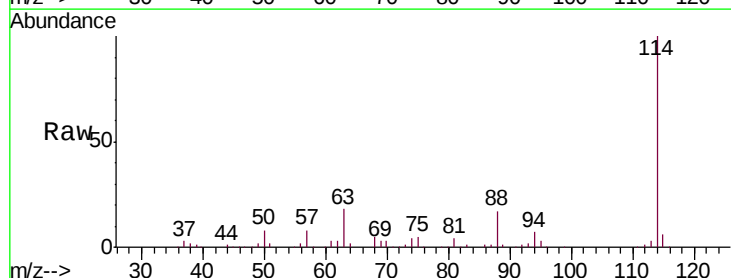
Tgt Ion: 114 Resp: 1211093

Ion Ratio Lower Upper

114 100

63 17.7 0.0 32.4

88 17.5 0.0 33.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

600000

500000

400000

300000

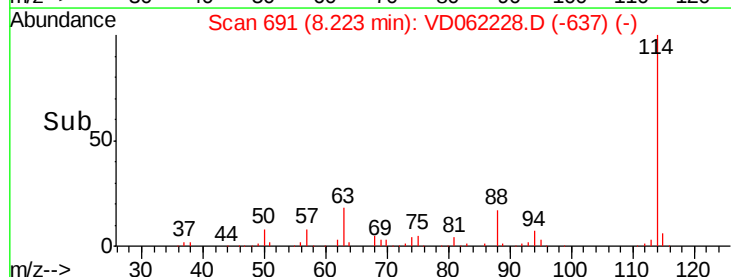
200000

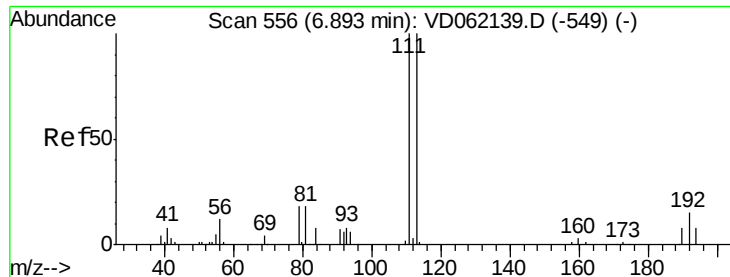
100000

0

8.10 8.20 8.30 8.40

Time-->





#35

Dibromofluoromethane

Concen: 48.754 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

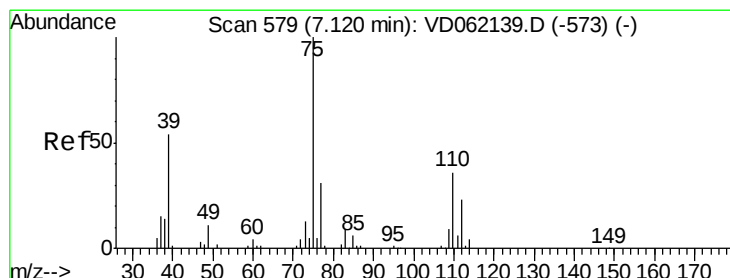
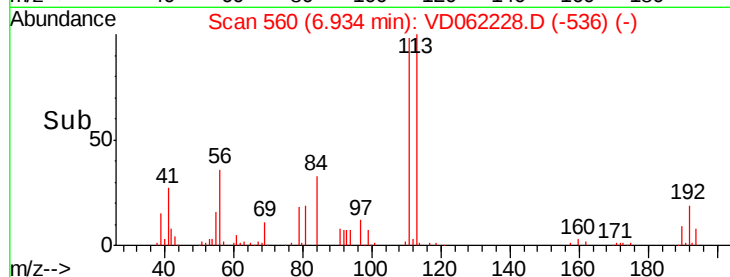
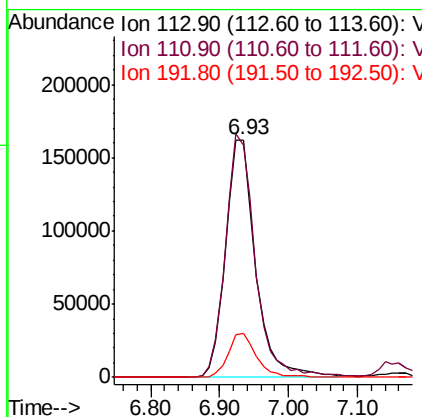
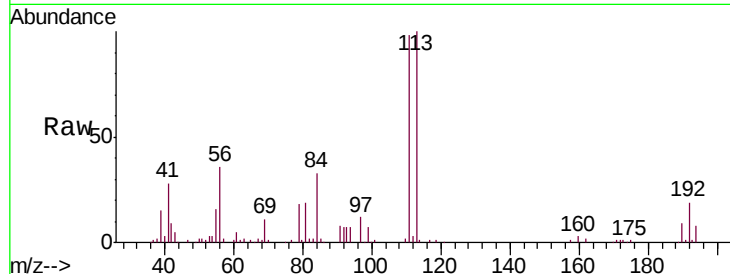
ClientSampleId :

VSTDCCC050

Tgt Ion:	113	Resp:	489907
Ion	Ratio	Lower	Upper
113	100		
111	97.8	78.5	117.7
192	18.6	13.0	19.4

Manual Integrations
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5/12/2019 1:22:37 PM



#36

1,1-Dichloropropene

Concen: 50.580 ug/l

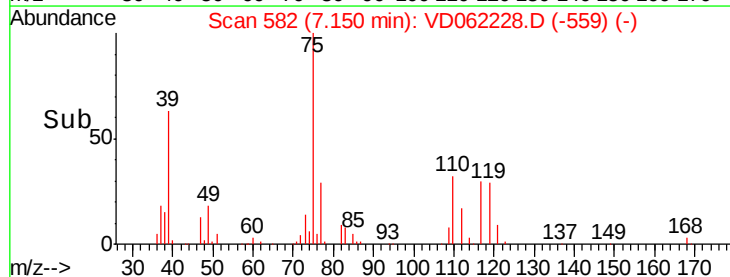
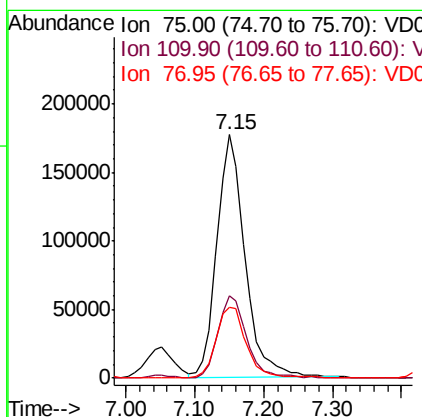
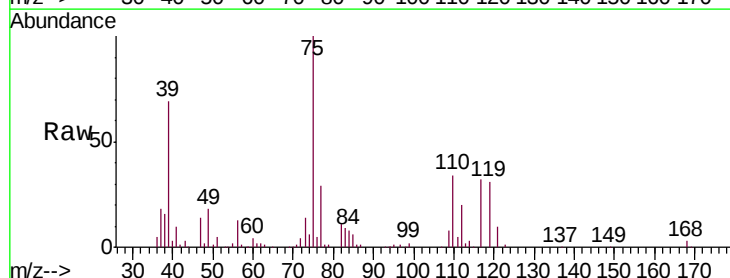
RT: 7.15 min Scan# 582

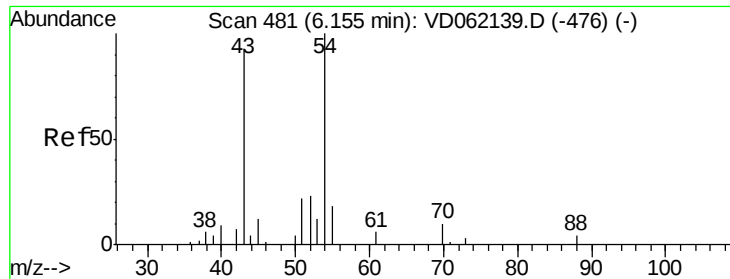
Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion:	75	Resp:	502254
Ion	Ratio	Lower	Upper
75	100		
110	33.9	19.1	57.1
77	28.8	25.6	38.4





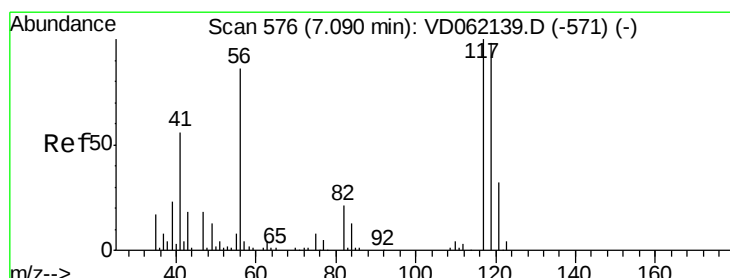
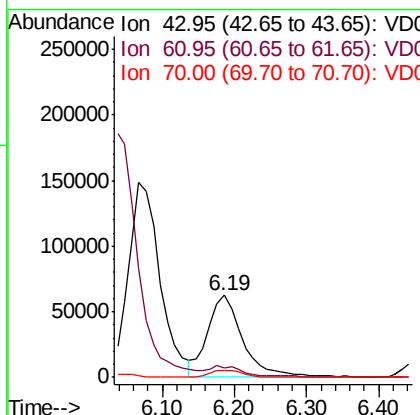
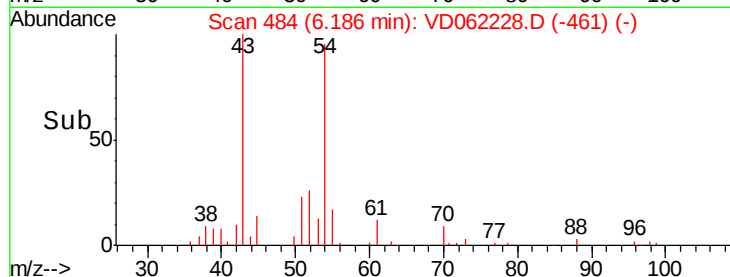
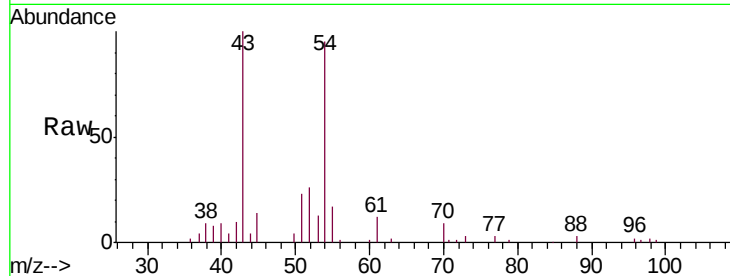
#37
Ethyl Acetate
 Concen: 48.462 ug/l
 RT: 6.19 min Scan# 484
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 204077
 Ion Ratio Lower Upper
 43 100
 61 12.2 14.7 22.1#
 70 9.0 7.8 11.6

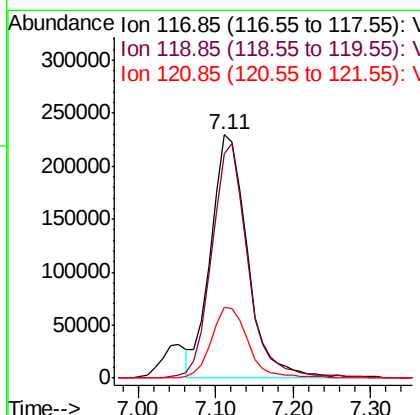
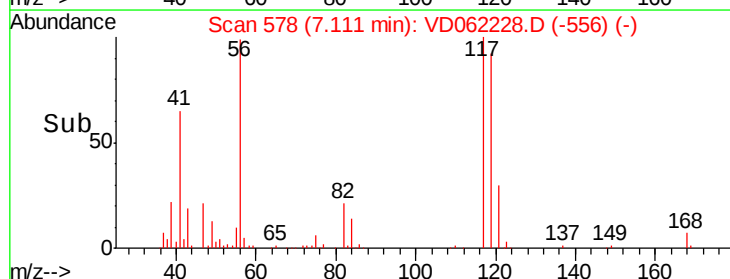
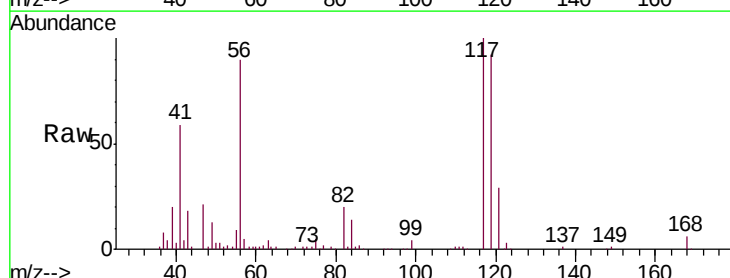
Manual Integrations
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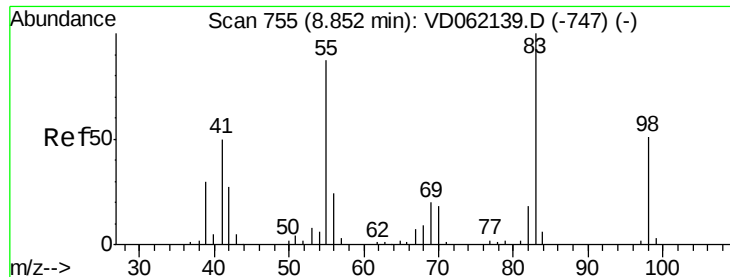
MMDadoda
 5/12/2019 1:22:37 PM



#38
Carbon Tetrachloride
 Concen: 54.965 ug/l m
 RT: 7.11 min Scan# 578
 Delta R.T. 0.02 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 117 Resp: 755422
 Ion Ratio Lower Upper
 117 100
 119 92.3 75.8 113.8
 121 29.3 25.9 38.9





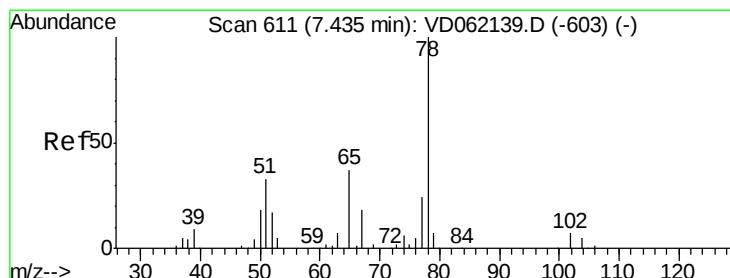
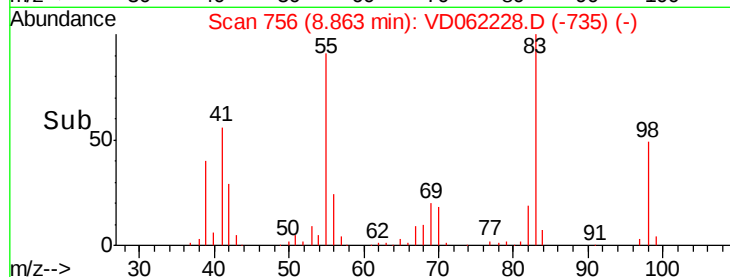
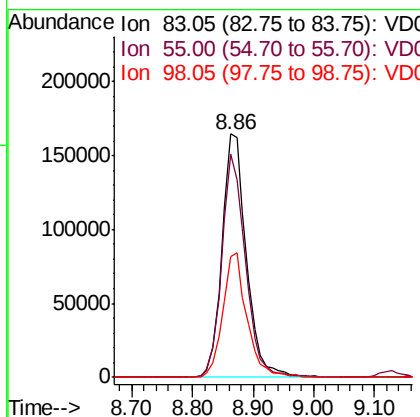
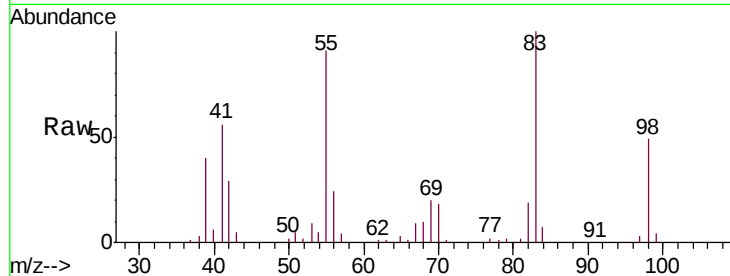
#39
Methylcyclohexane
Concen: 48.337 ug/l
RT: 8.86 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.4	68.2	102.4
98	49.3	38.2	57.4

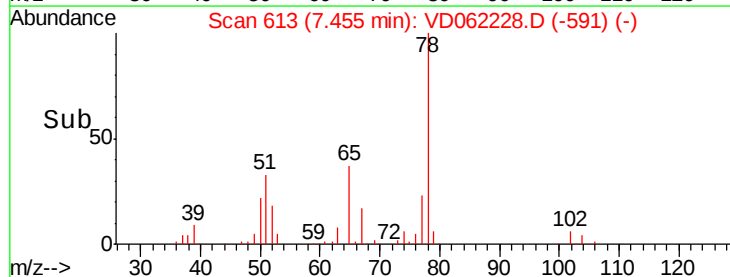
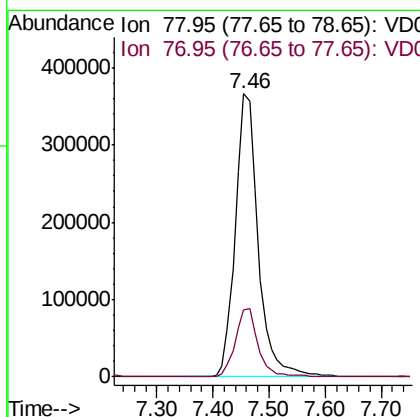
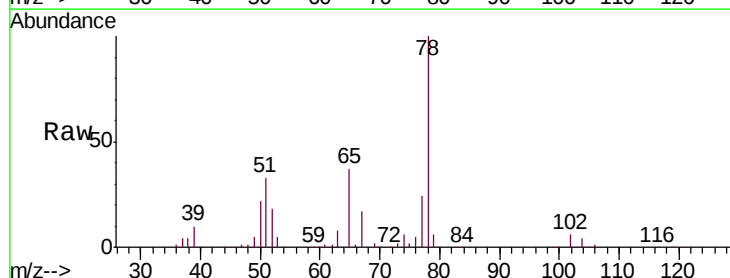
Manual Integrations
APPROVED

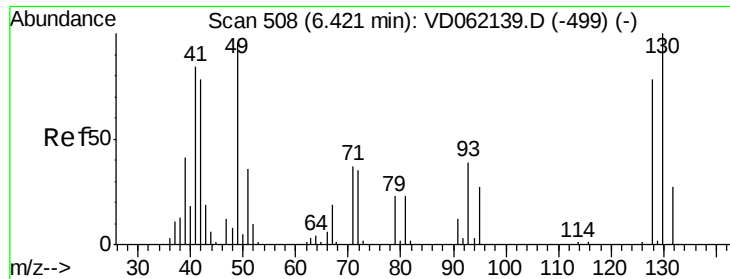
MMDadoda
5/12/2019 1:22:37 PM



#40
Benzene
Concen: 46.333 ug/l
RT: 7.46 min Scan# 613
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.7	29.5





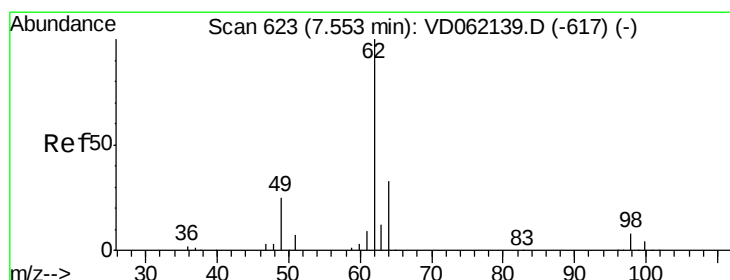
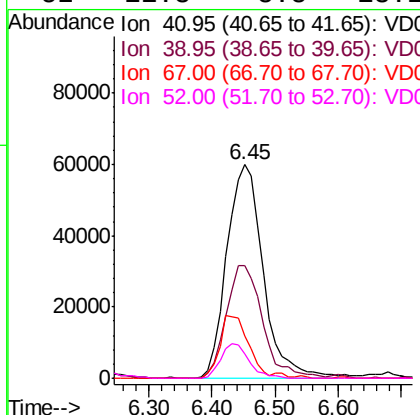
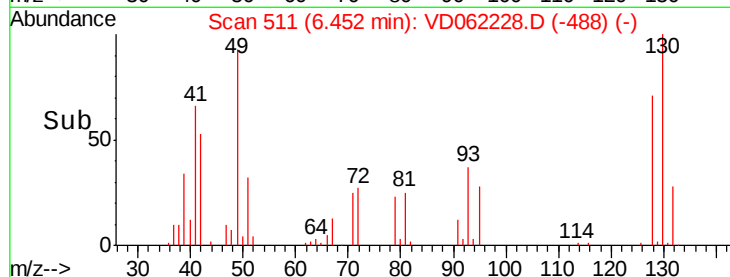
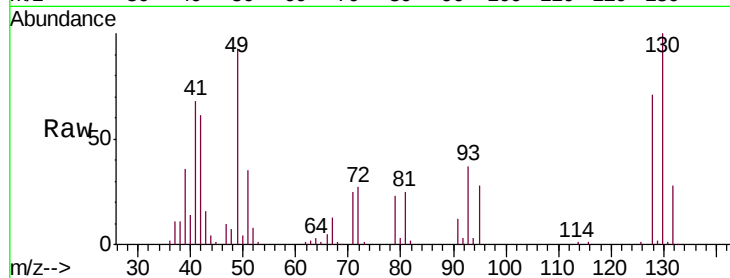
#41
Methacrylonitrile
Concen: 46.496 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.6	34.1	51.1#
67	19.7	23.8	35.6#
52	11.3	8.8	13.2

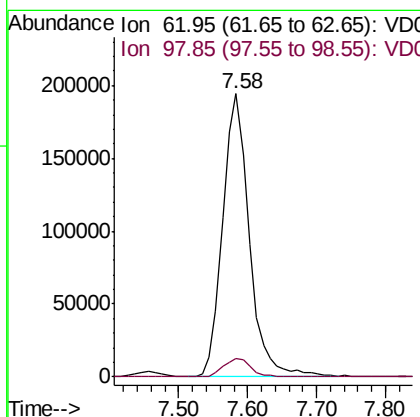
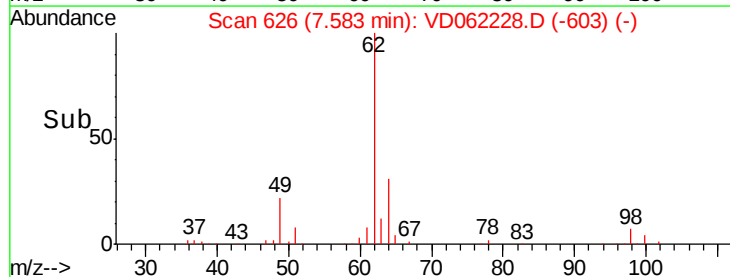
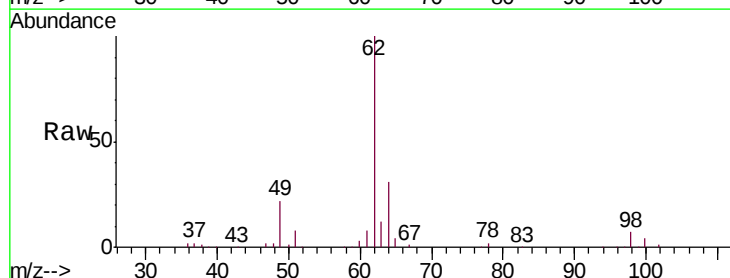
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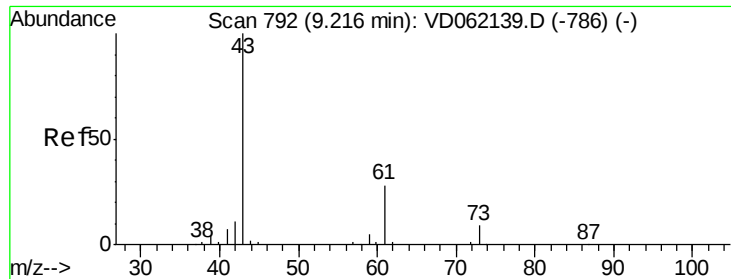
MMDadoda
5/12/2019 1:22:37 PM



#42
1,2-Dichloroethane
Concen: 54.943 ug/l
RT: 7.58 min Scan# 626
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	17.8





#43

Isopropyl Acetate

Concen: 46.478 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

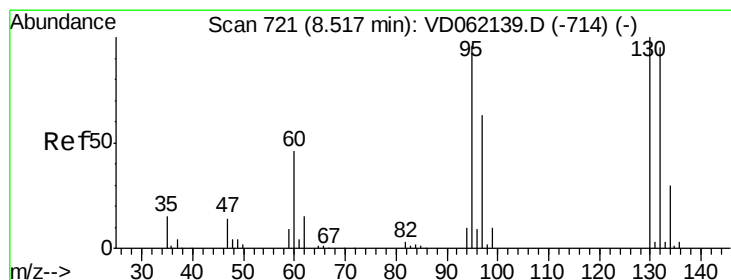
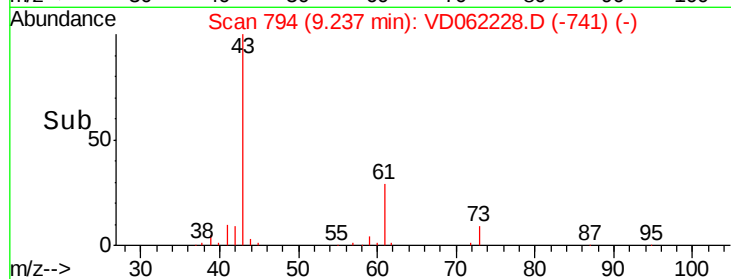
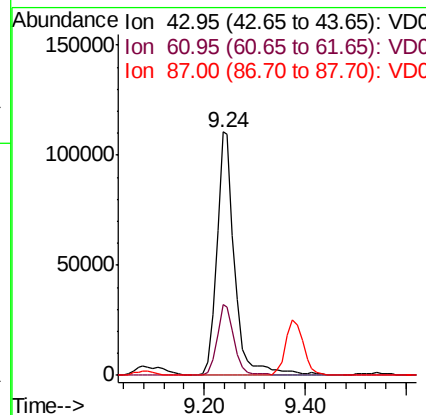
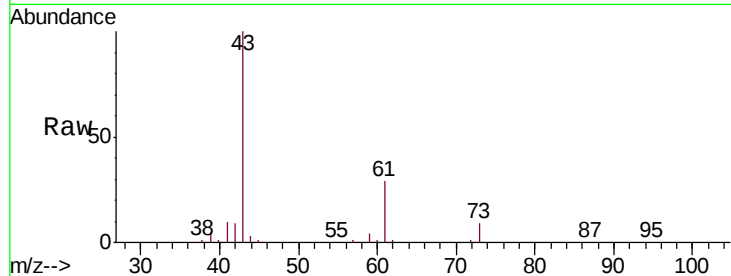
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	277580
Ion Ratio	Lower	Upper	
43	100		
61	29.3	25.1	37.7
87	0.3	0.0	0.0#

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#44

Trichloroethene

Concen: 51.280 ug/l

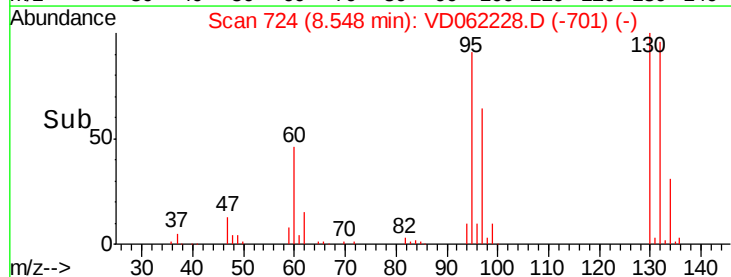
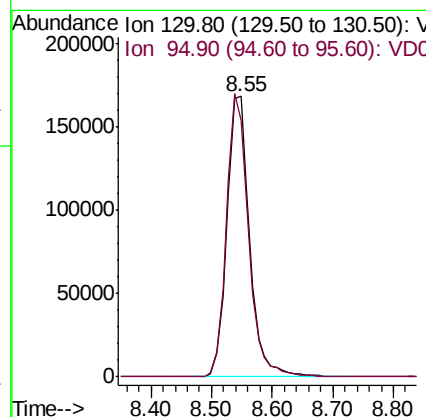
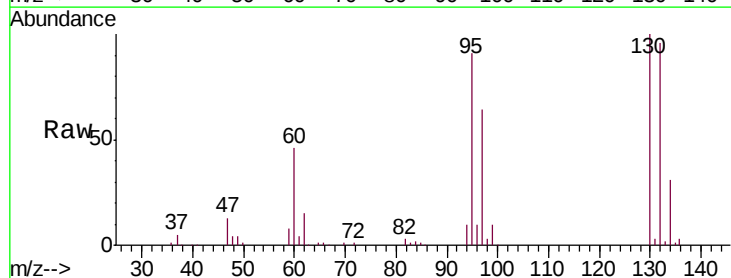
RT: 8.55 min Scan# 724

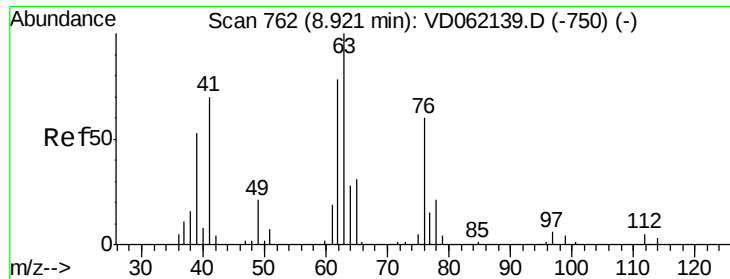
Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion:	130	Resp:	438154
Ion Ratio	Lower	Upper	
130	100		
95	91.4	0.0	174.0





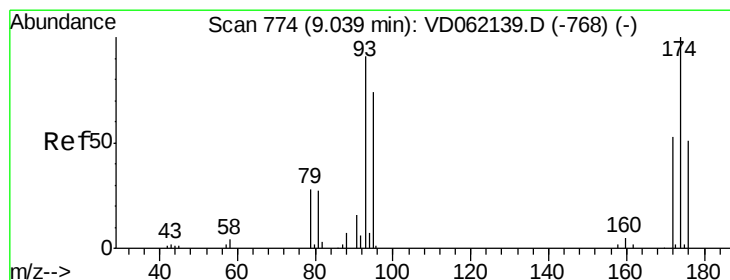
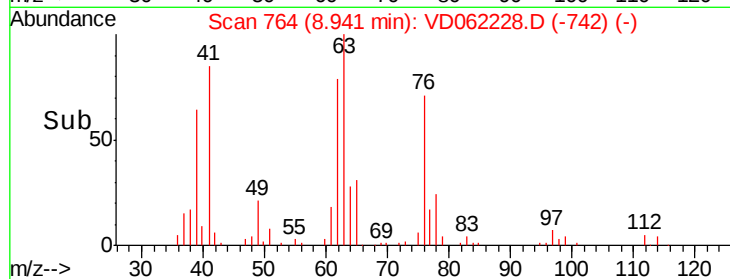
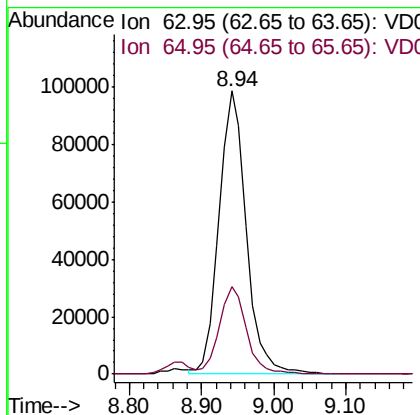
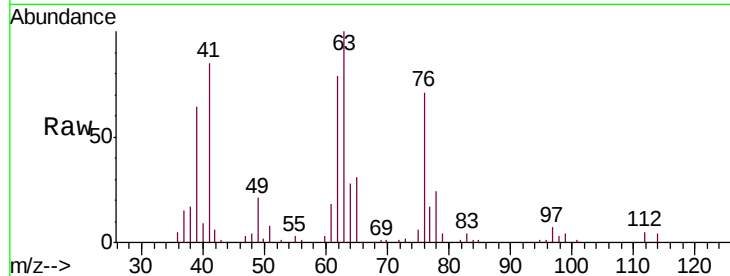
#45
 1,2-Dichloropropane
 Concen: 46.582 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. 0.02 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 258354
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.8 35.6

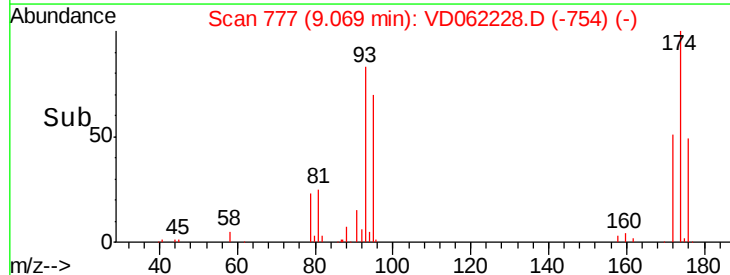
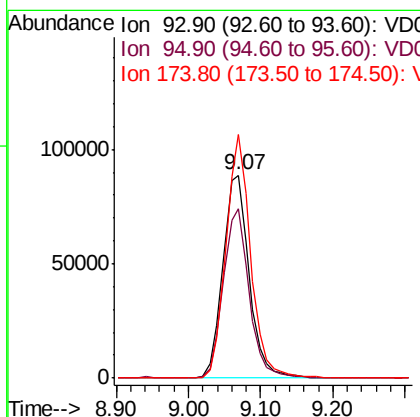
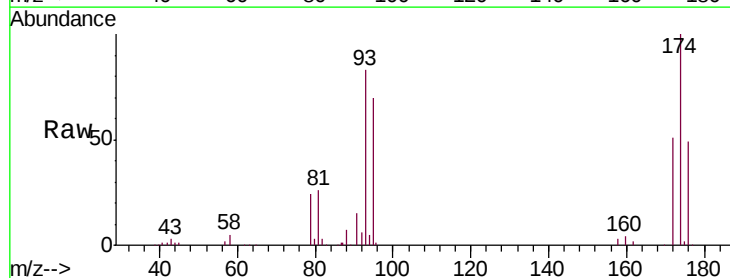
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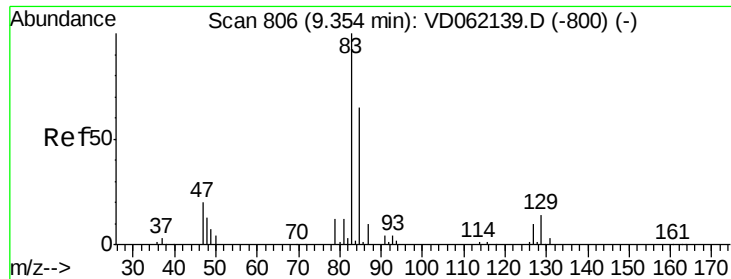
MMDadoda
 5/12/2019 1:22:37 PM



#46
 Dibromomethane
 Concen: 49.532 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.03 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 93 Resp: 223396
 Ion Ratio Lower Upper
 93 100
 95 83.6 64.8 97.2
 174 120.0 79.3 118.9#





#47

Bromodichloromethane

Concen: 53.185 ug/l

RT: 9.37 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

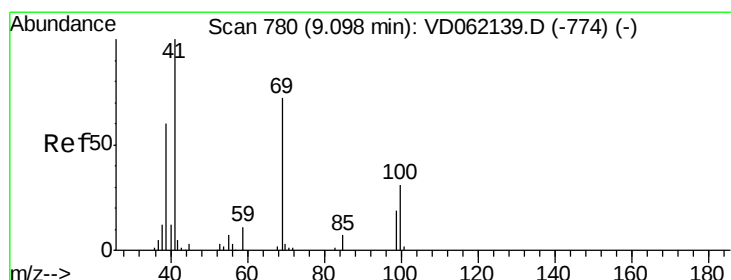
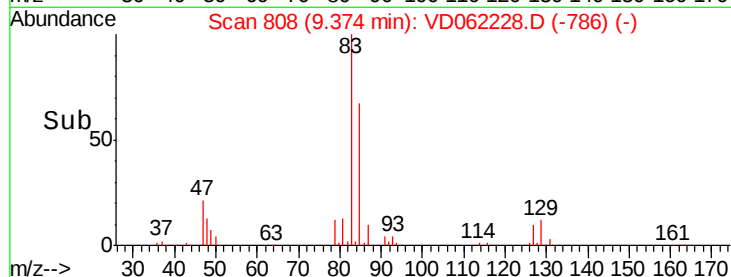
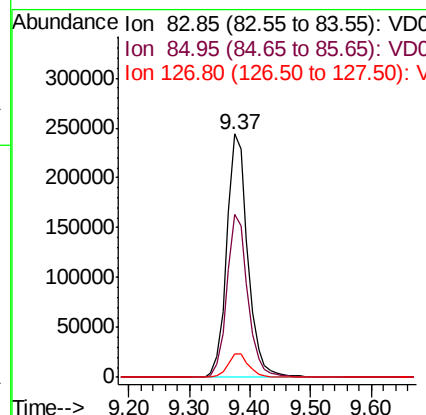
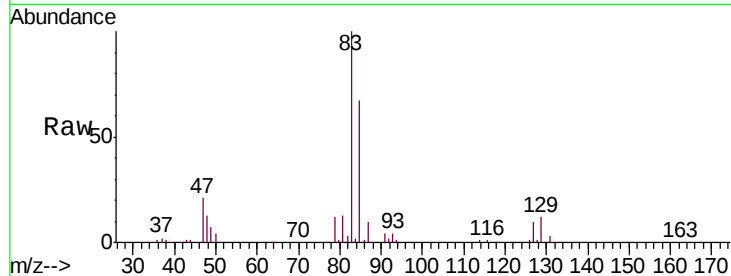
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	586741
Ion	Ratio	Lower	Upper
83	100		
85	67.0	50.9	76.3
127	9.7	8.1	12.1

Manual Integrations
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5/12/2019 1:22:37 PM



#48

Methyl methacrylate

Concen: 46.681 ug/l

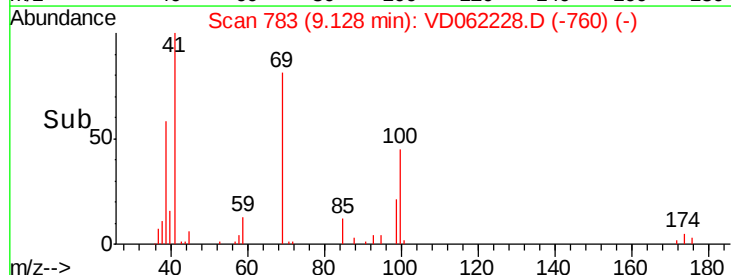
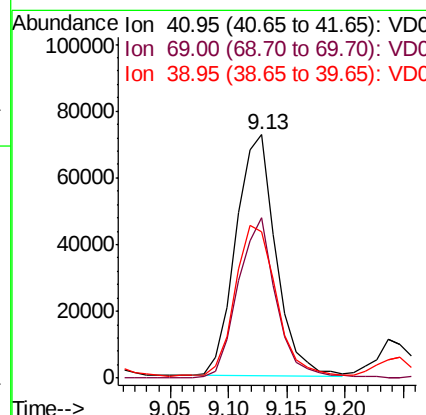
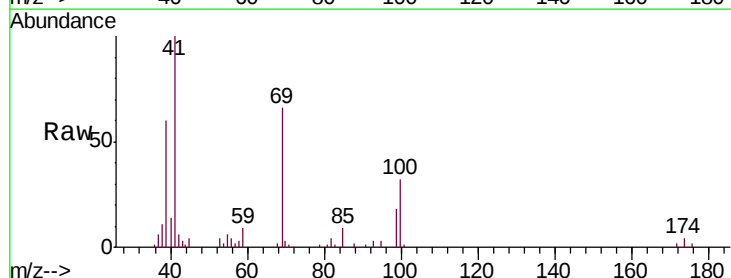
RT: 9.13 min Scan# 783

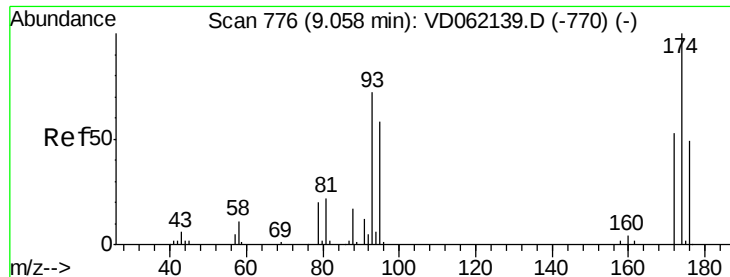
Delta R.T. 0.03 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion:	41	Resp:	171725
Ion	Ratio	Lower	Upper
41	100		
69	66.0	64.2	96.2
39	59.9	46.8	70.2





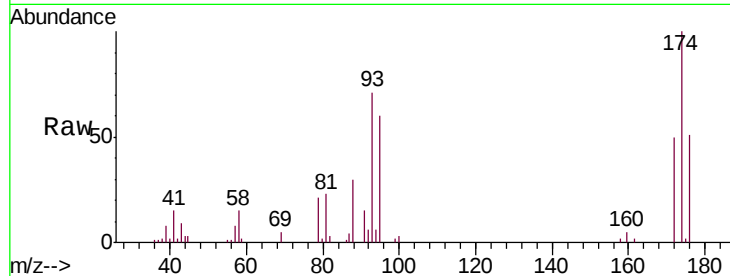
#49
1,4-Dioxane
Concen: 844.973 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.03 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

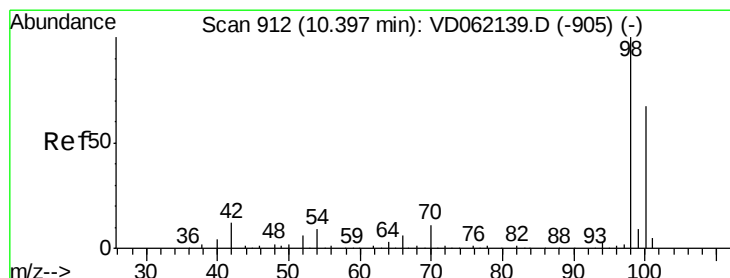
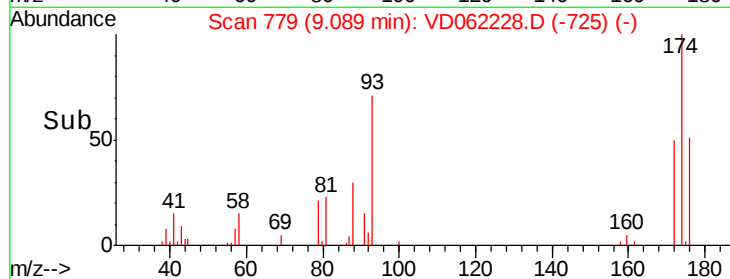
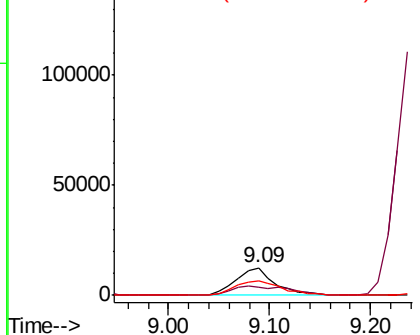
Tgt Ion	Ratio	Resp	Lower	Upper
88	100	33538		
43	30.6	23.4	35.0	
58	51.4	44.0	66.0	

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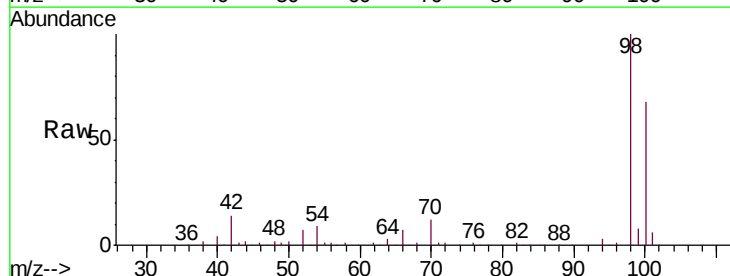


Abundance Ion 88.00 (87.70 to 88.70): VDC
150000 Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

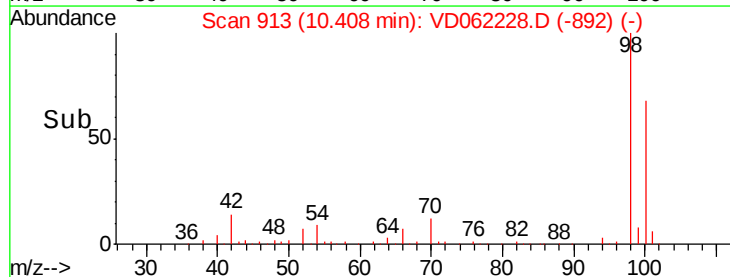
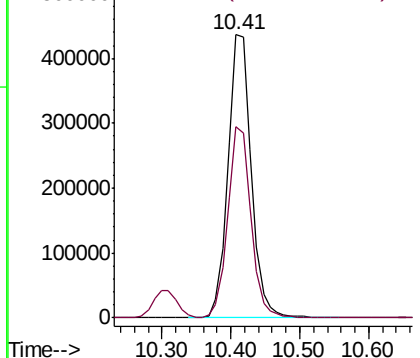


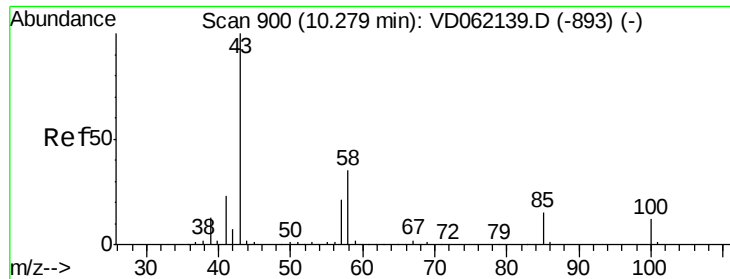
#50
Toluene-d8
Concen: 42.116 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1020369		
100	67.7	53.8	80.8	



Abundance Ion 98.05 (97.75 to 98.75): VDC
500000 Ion 100.05 (99.75 to 100.75): VDC





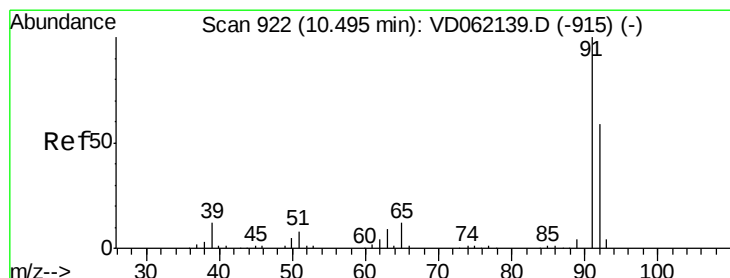
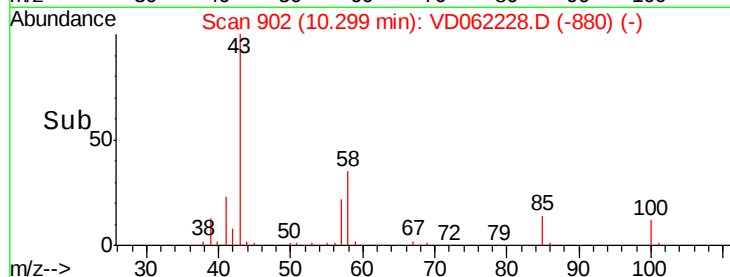
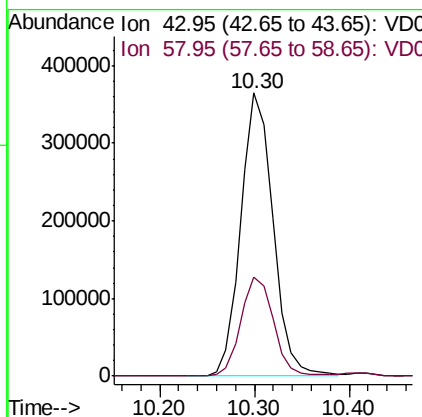
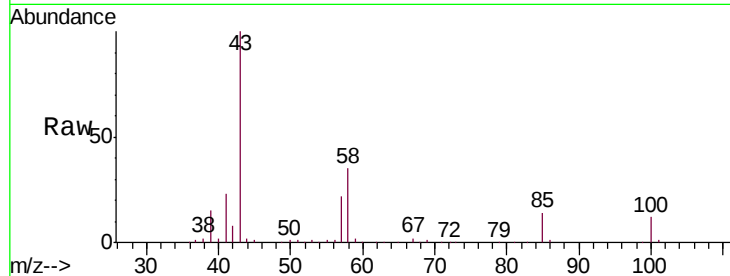
#51
4-Methyl-2-Pentanone
Concen: 225.455 ug/l
RT: 10.30 min Scan# 902
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 865529
Ion Ratio Lower Upper
43 100
58 34.8 30.4 45.6

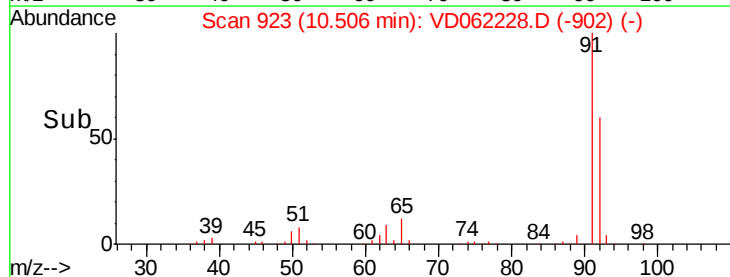
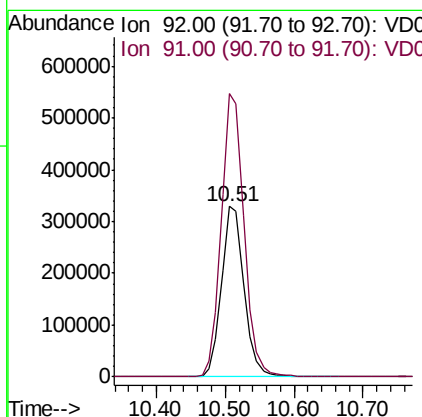
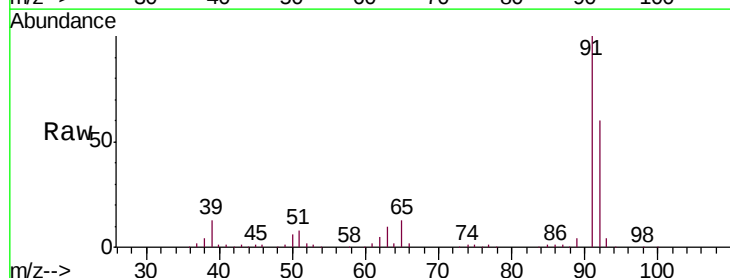
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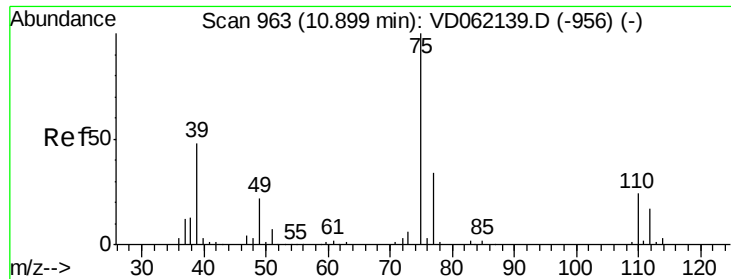
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#52
Toluene
Concen: 51.257 ug/l
RT: 10.51 min Scan# 923
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 92 Resp: 747801
Ion Ratio Lower Upper
92 100
91 166.2 136.6 204.8





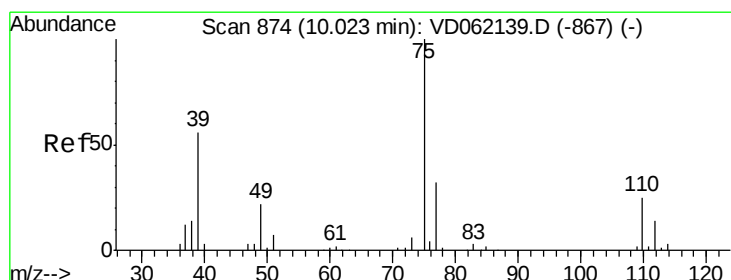
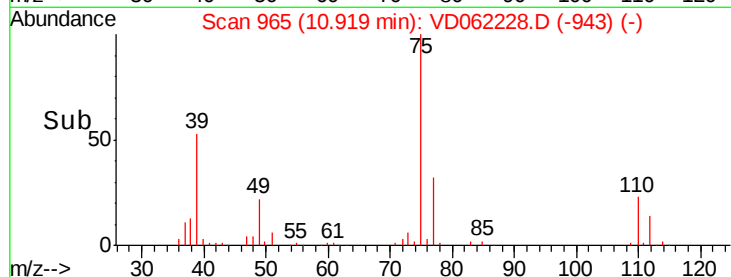
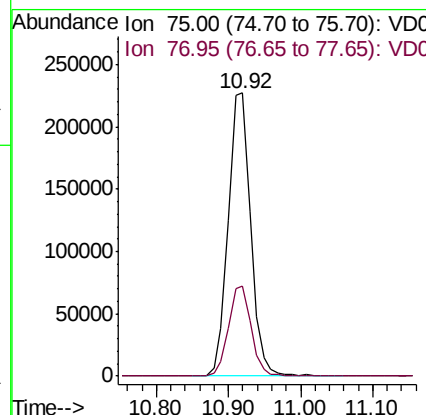
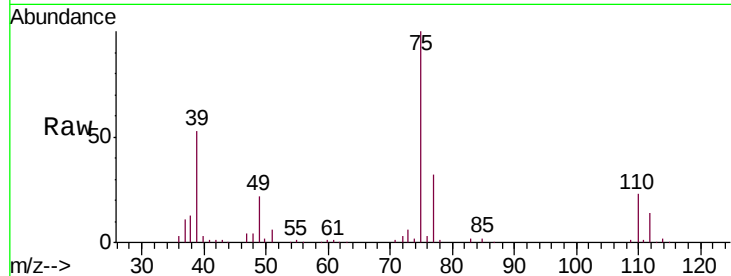
#53
t-1,3-Dichloropropene
Concen: 51.433 ug/l
RT: 10.92 min Scan# 965
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 490396
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.8

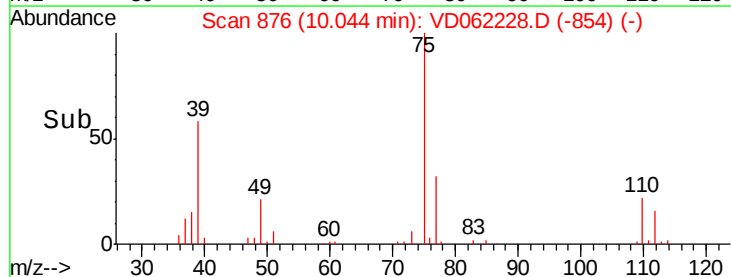
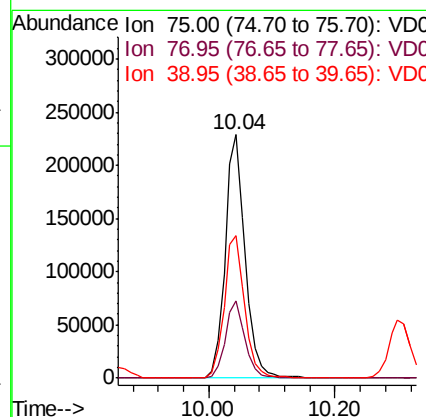
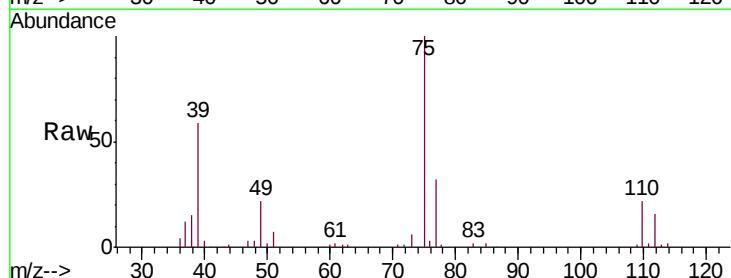
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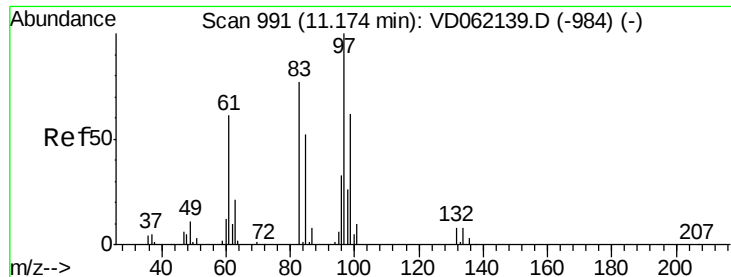
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 48.151 ug/l
RT: 10.04 min Scan# 876
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 75 Resp: 500851
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
39 58.7 39.4 59.2





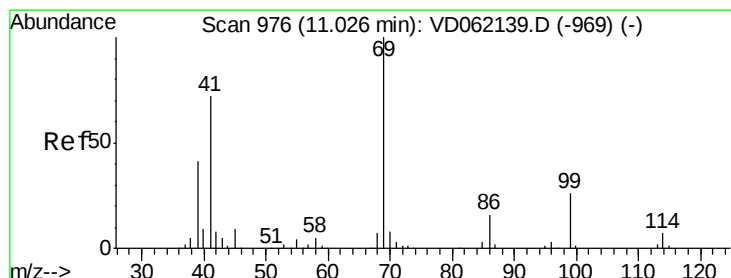
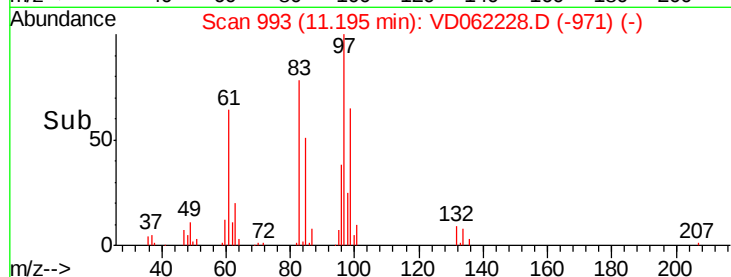
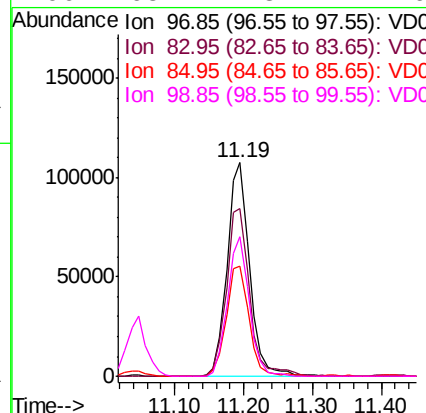
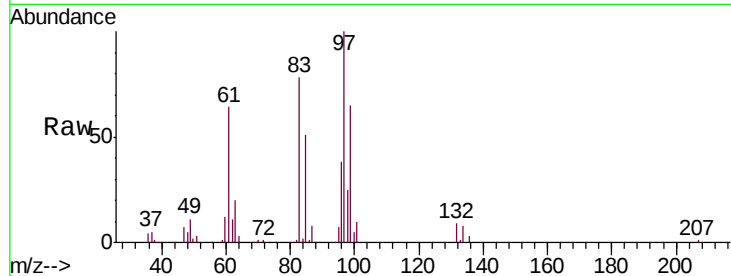
#55
 1,1,2-Trichloroethane
 Concen: 46.710 ug/l
 RT: 11.19 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.3	65.7	98.5
85	51.5	45.6	68.4
99	65.4	48.4	72.6

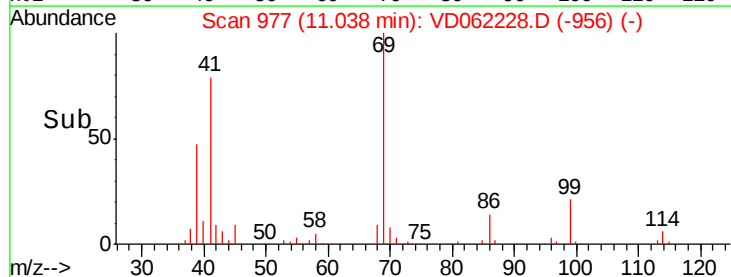
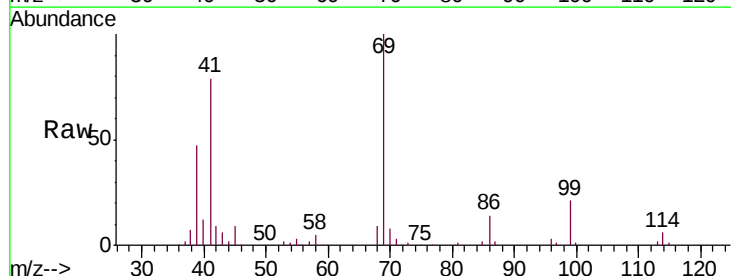
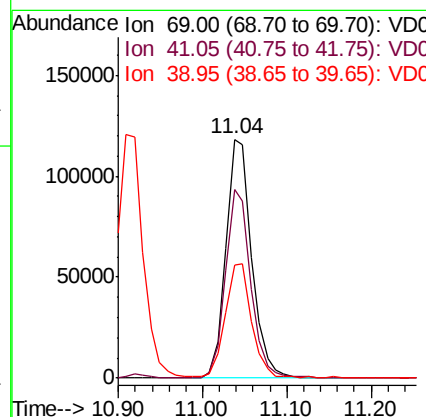
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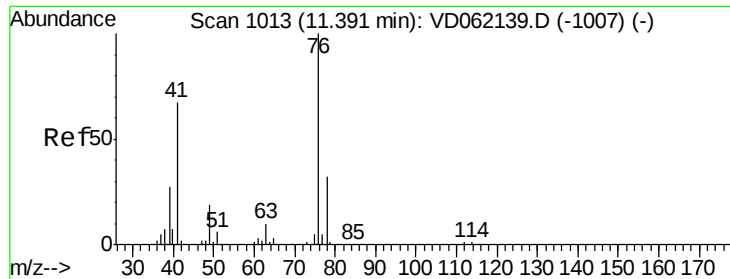
MMDadoda
 5/12/2019 1:22:37 PM



#56
 Ethyl methacrylate
 Concen: 46.779 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.7	56.3	84.5
39	47.1	29.4	44.2#





#57

1,3-Dichloropropane

Concen: 50.257 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.02 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 391925

Ion Ratio Lower Upper

76 100

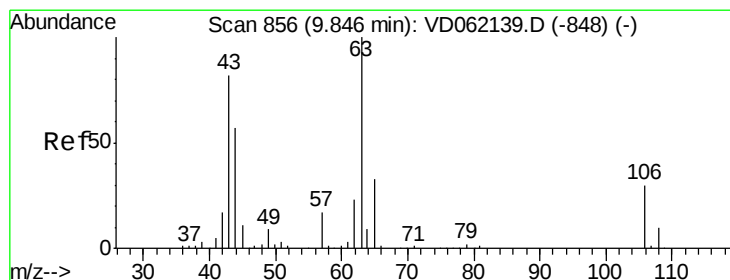
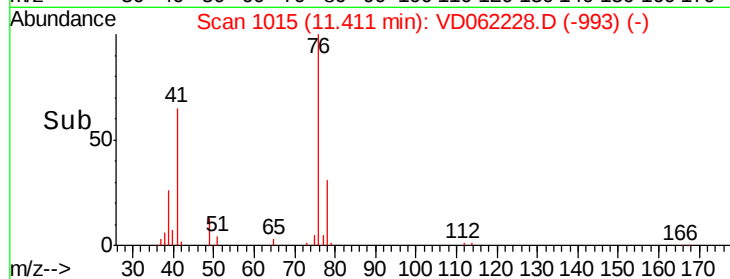
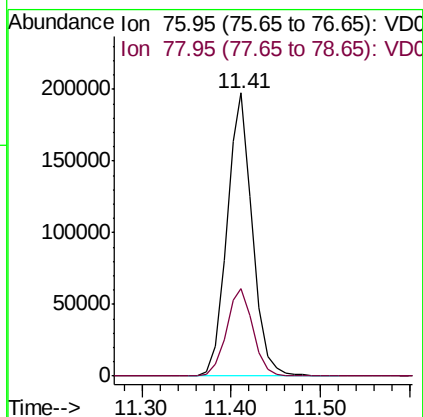
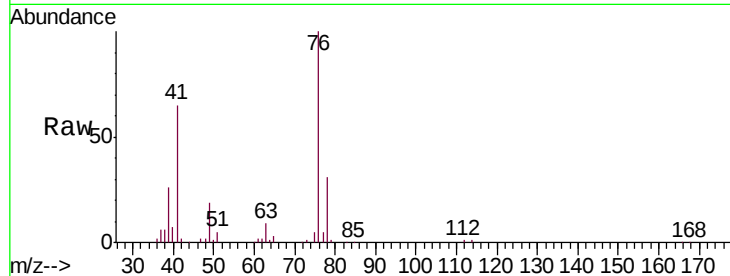
78 31.0 26.2 39.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 255.680 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD062228.D

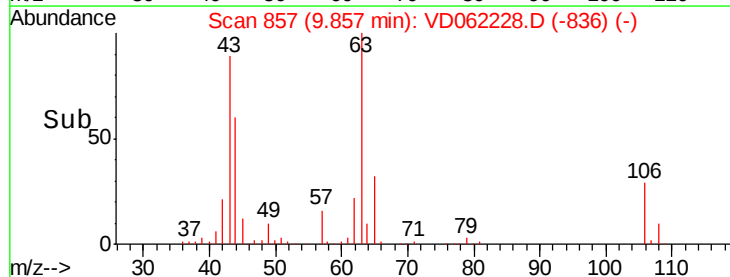
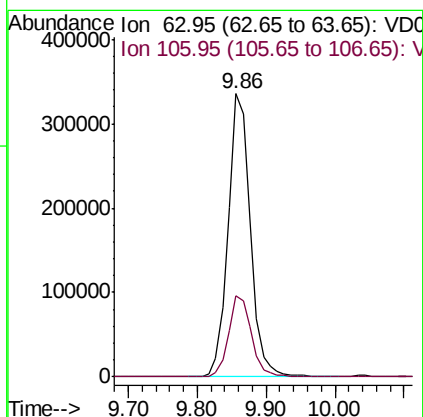
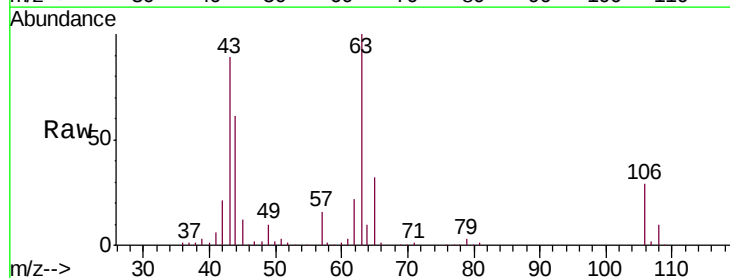
Acq: 11 May 2019 10:48

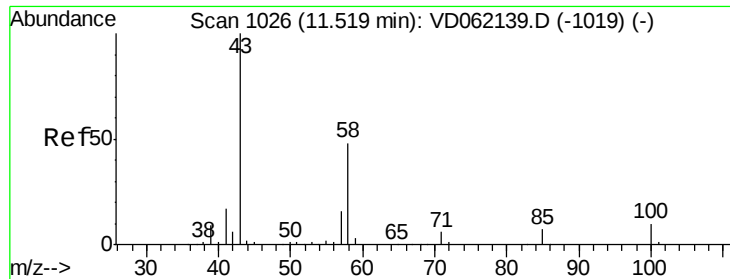
Tgt Ion: 63 Resp: 749152

Ion Ratio Lower Upper

63 100

106 28.5 22.6 34.0





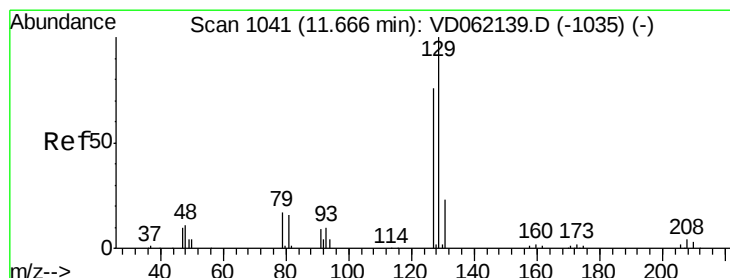
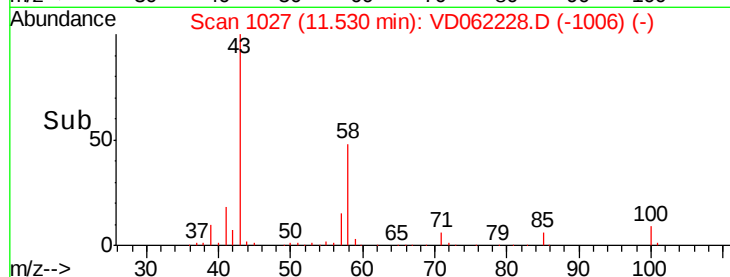
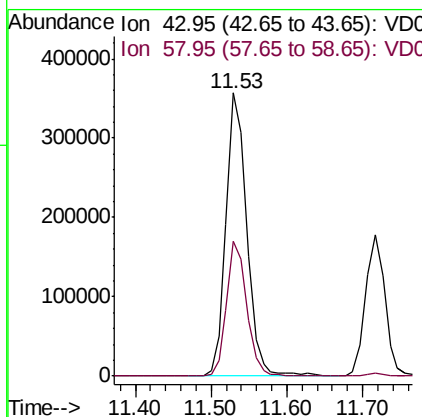
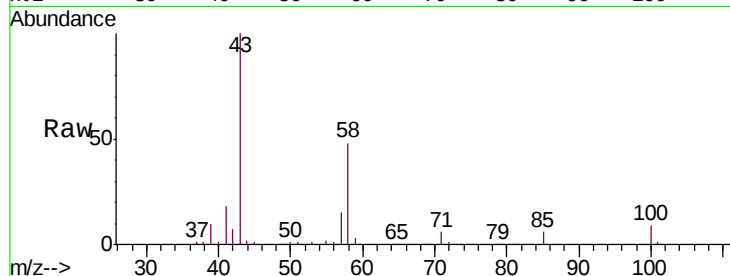
#59
2-Hexanone
Concen: 240.827 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 681423
Ion Ratio Lower Upper
43 100
58 47.6 25.4 76.4

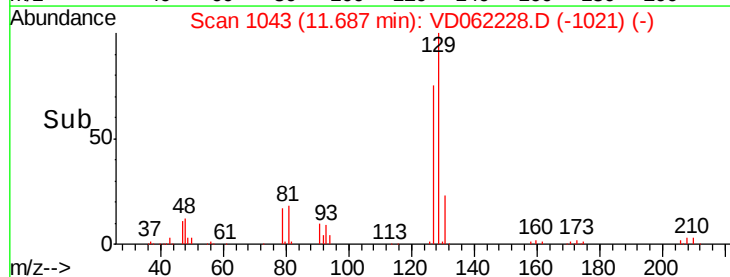
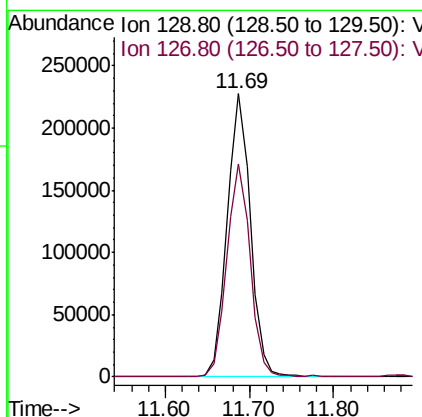
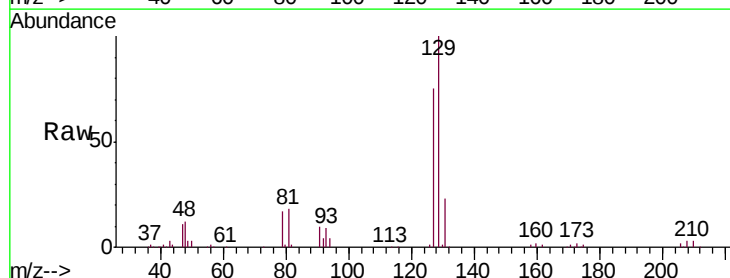
Manual Integrations
APPROVED

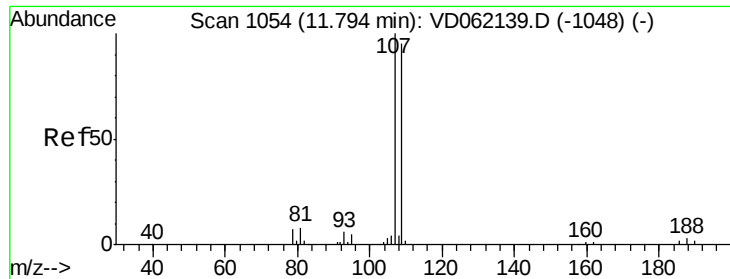
MMDadoda
5/12/2019 1:22:37 PM



#60
Dibromochloromethane
Concen: 49.044 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 129 Resp: 437522
Ion Ratio Lower Upper
129 100
127 75.1 38.0 113.9





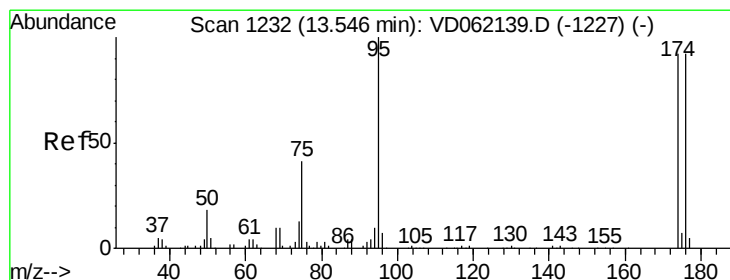
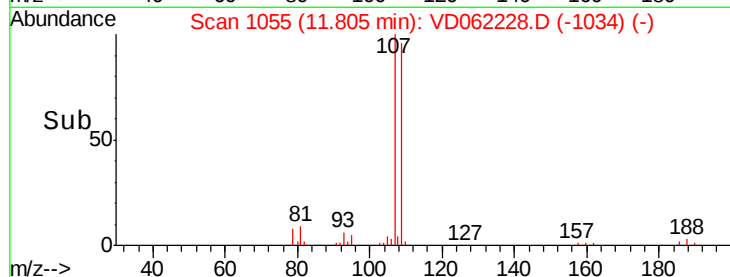
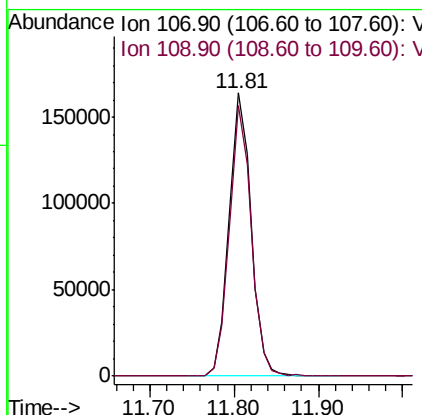
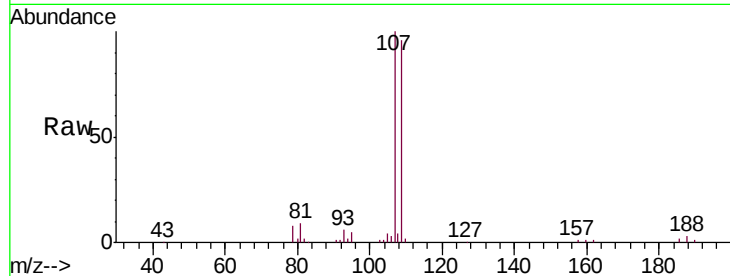
#61
 1,2-Dibromoethane
 Concen: 47.798 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 299969
 Ion Ratio Lower Upper
 107 100
 109 95.6 78.3 117.5

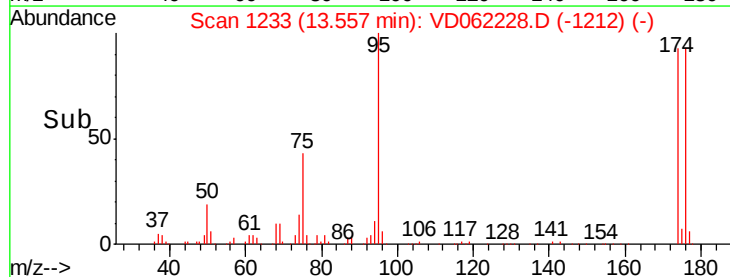
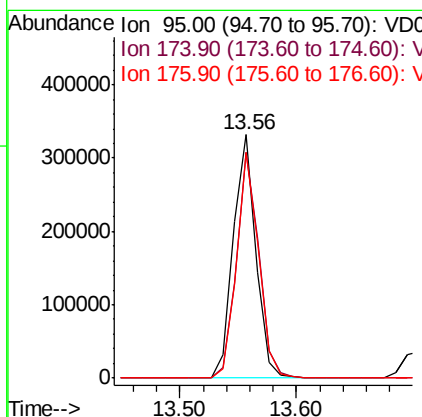
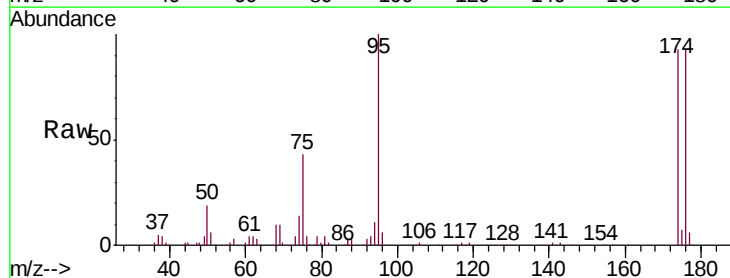
Manual Integrations
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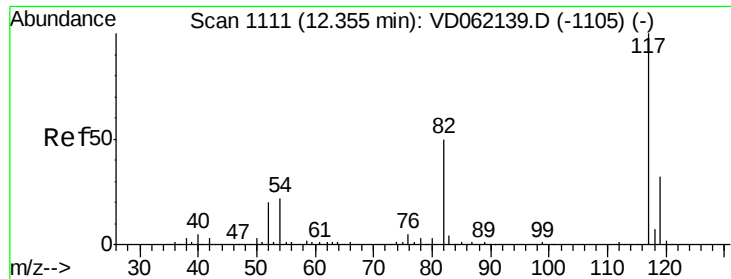
MMDadoda
 5/12/2019 1:22:37 PM



#62
 4-Bromofluorobenzene
 Concen: 45.644 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion: 95 Resp: 444067
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 181.8
 176 92.8 0.0 174.4





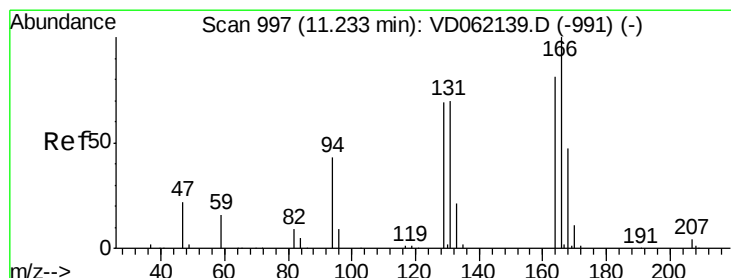
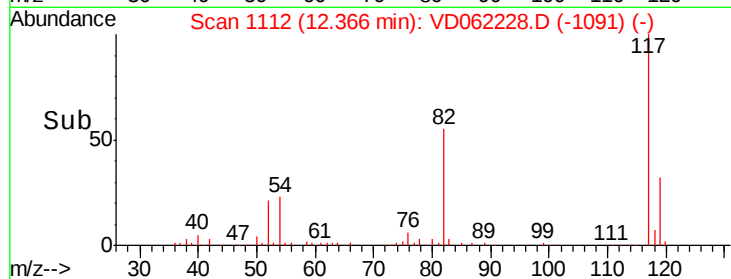
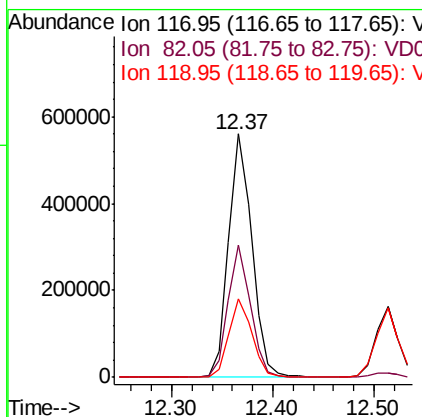
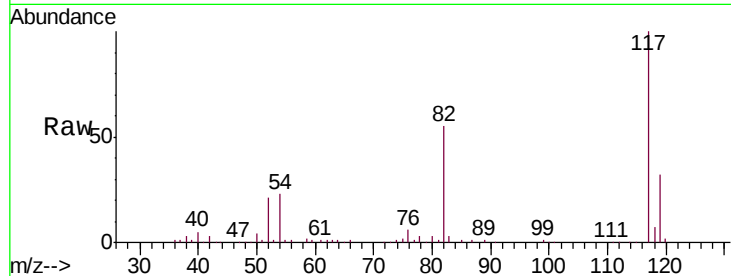
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	902451		
82	54.5	36.2	54.2#	
119	32.5	26.2	39.4	

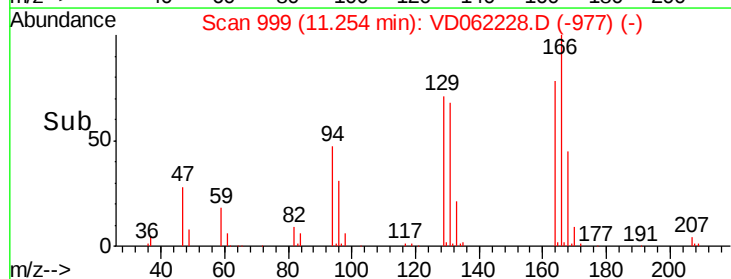
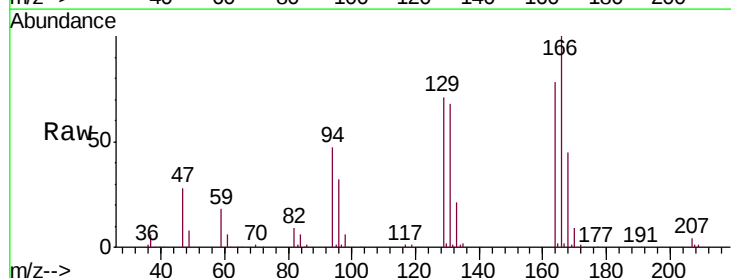
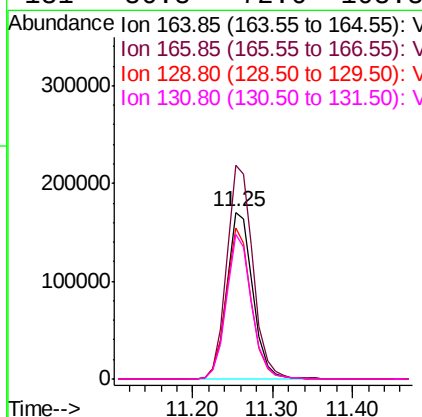
Manual Integrations
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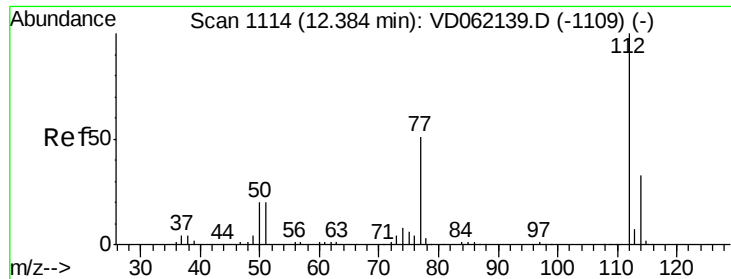
MMDadoda
5/12/2019 1:22:37 PM



#64
Tetrachloroethene
Concen: 55.379 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.02 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	390799		
166	128.1	101.5	152.3	
129	91.0	74.6	112.0	
131	86.8	72.6	108.8	





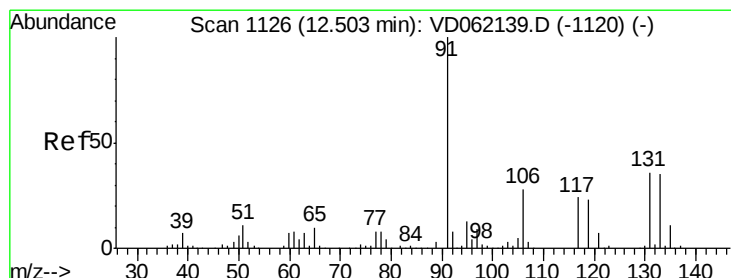
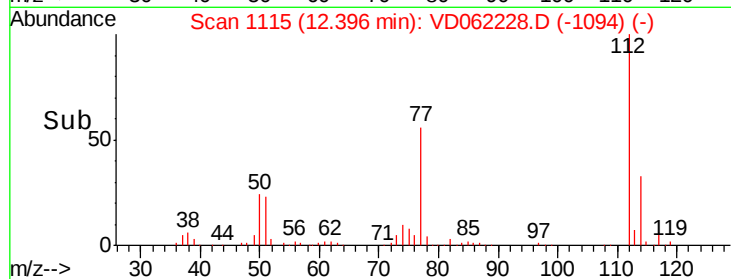
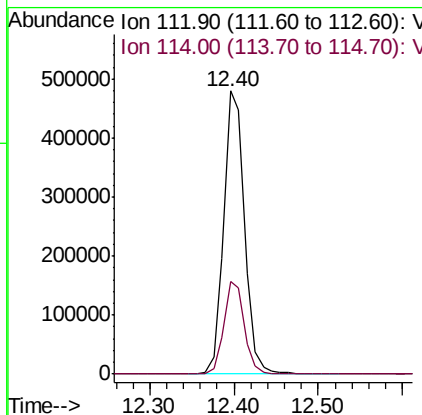
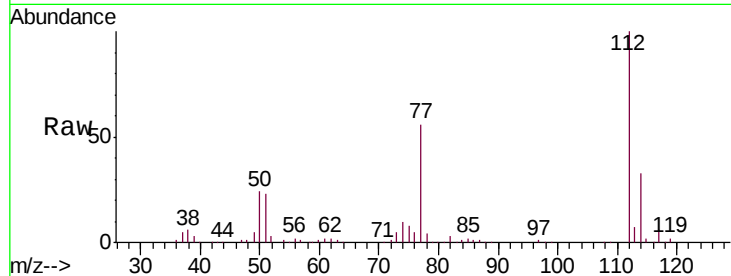
#65
Chlorobenzene
Concen: 48.797 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tgt Ion:112 Resp: 820202
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.8

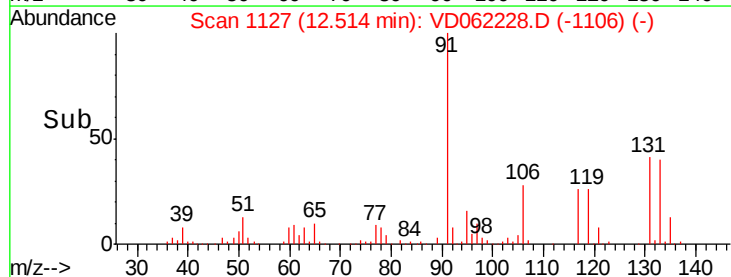
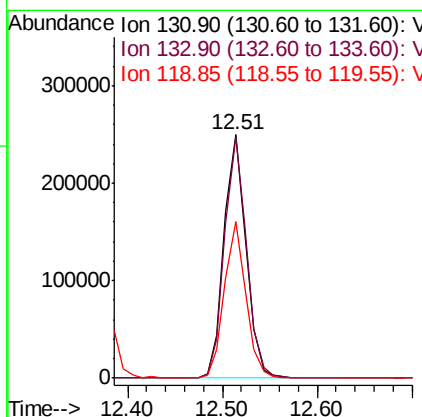
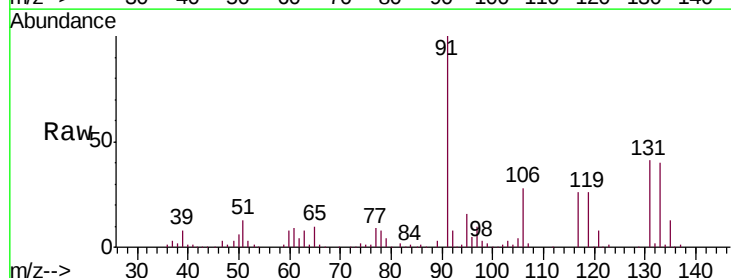
Manual Integrations
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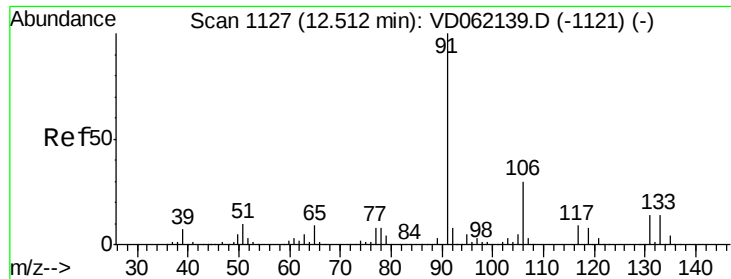
MMDadoda
5/12/2019 1:22:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.213 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion:131 Resp: 403899
Ion Ratio Lower Upper
131 100
133 99.1 48.6 145.8
119 64.3 34.7 104.1





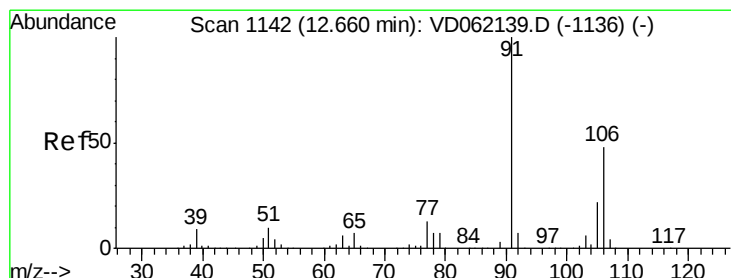
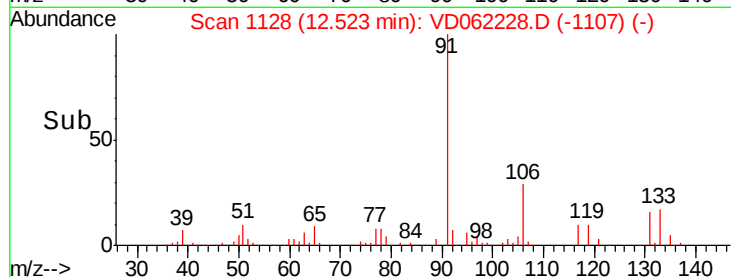
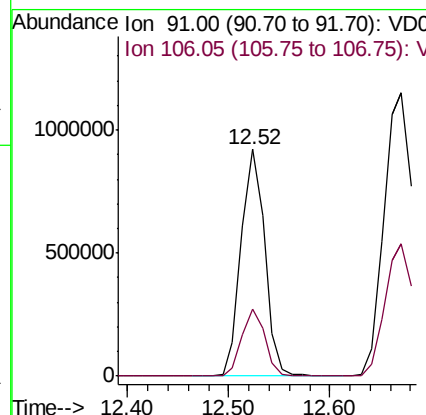
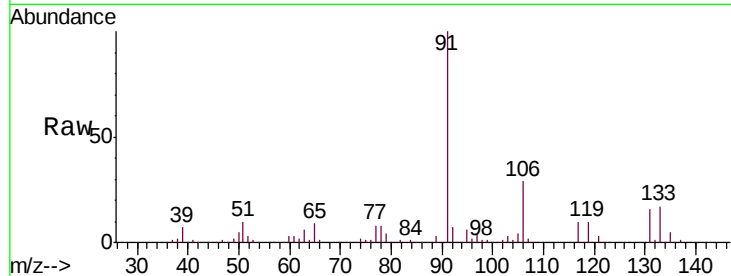
#67
Ethyl Benzene
Concen: 53.607 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1508489
Ion Ratio Lower Upper
91 100
106 29.4 24.7 37.1

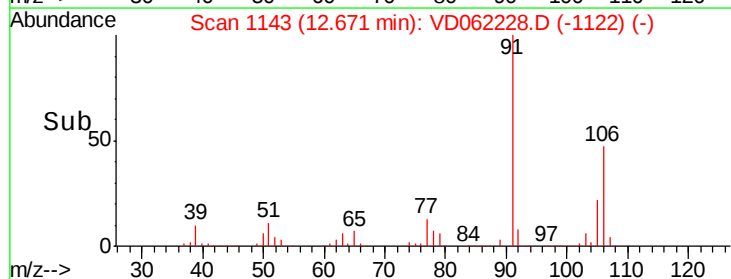
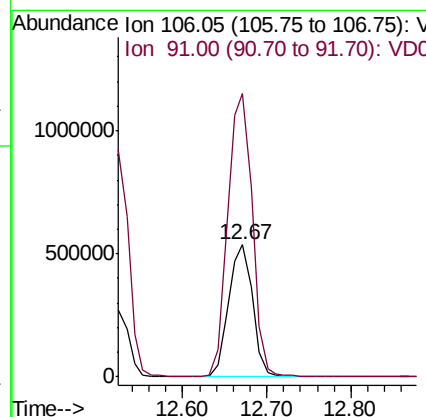
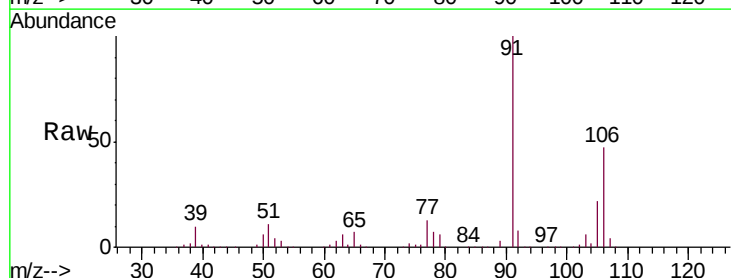
Manual Integrations
APPROVED

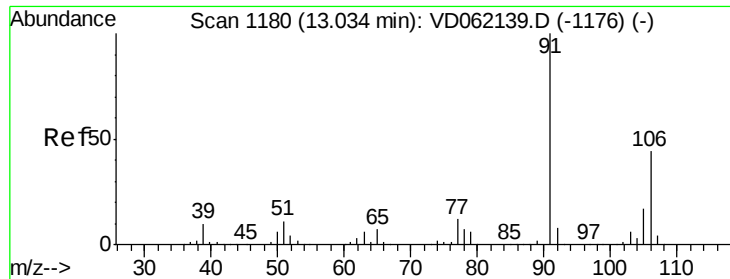
MMDadoda
5/12/2019 1:22:37 PM



#68
m/p-Xylenes
Concen: 103.327 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 106 Resp: 1057850
Ion Ratio Lower Upper
106 100
91 214.3 164.0 246.0





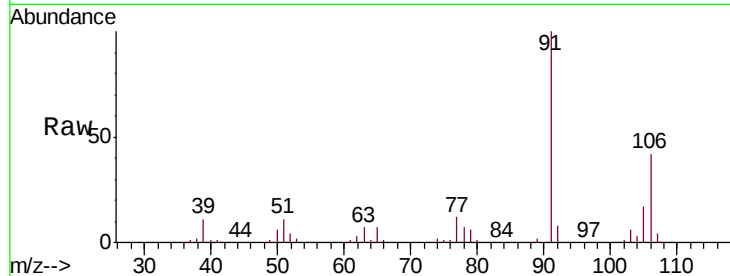
#69
o-Xylene
Concen: 51.999 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

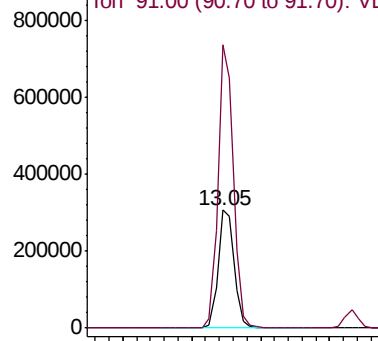
Tgt Ion:106 Resp: 494928
Ion Ratio Lower Upper
106 100
91 240.5 106.7 319.9

Manual Integrations
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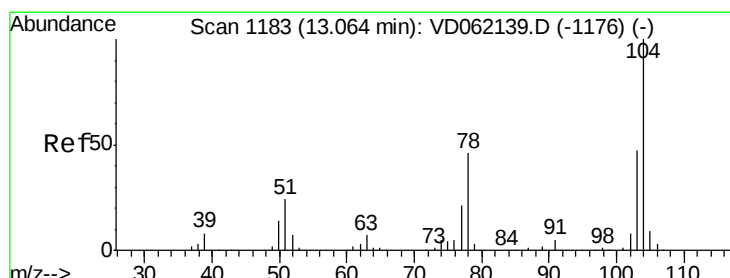
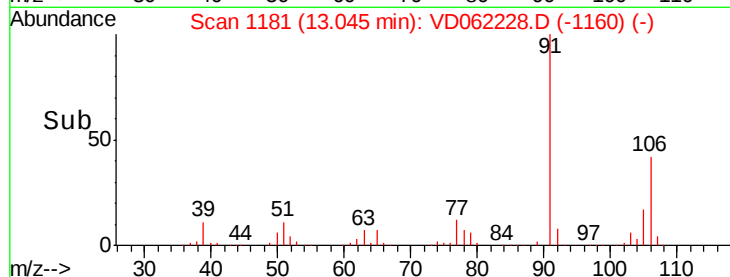
MMDadoda
5/12/2019 1:22:37 PM



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

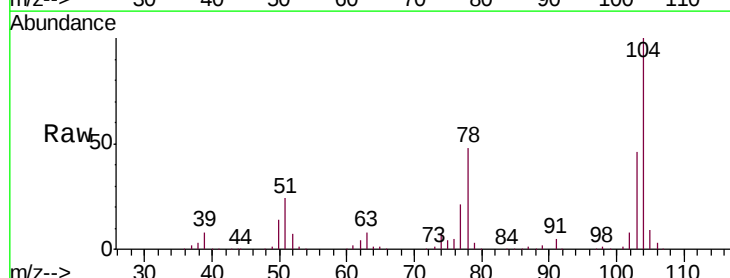


Time-->

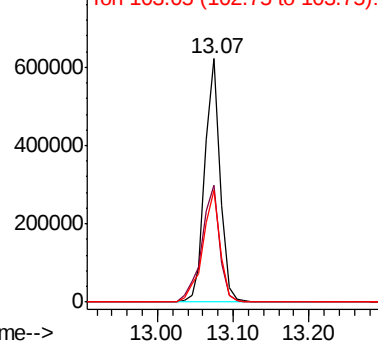


#70
Styrene
Concen: 53.218 ug/l
RT: 13.07 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

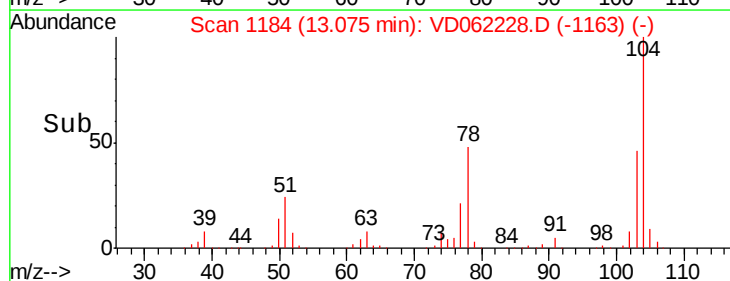
Tgt Ion:104 Resp: 858068
Ion Ratio Lower Upper
104 100
78 48.1 35.4 53.2
103 46.1 37.5 56.3

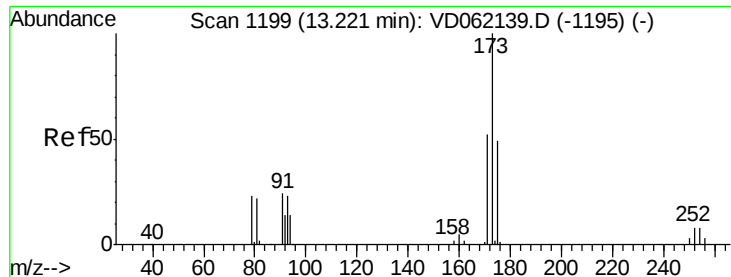


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V



Time-->





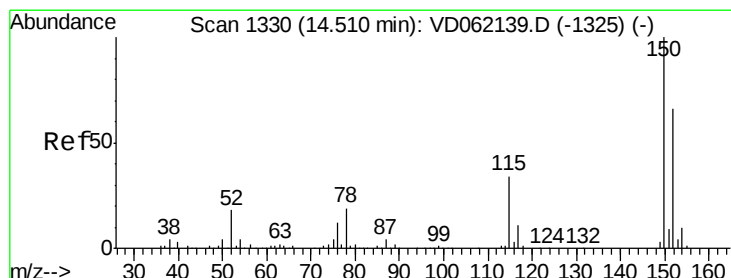
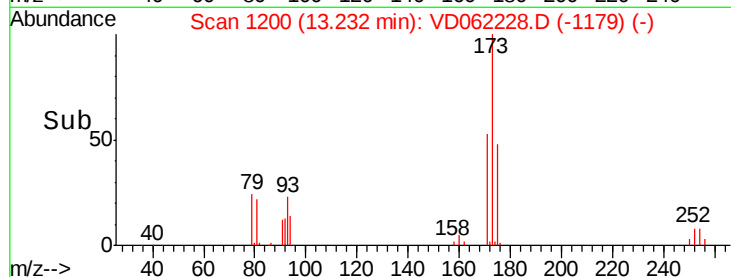
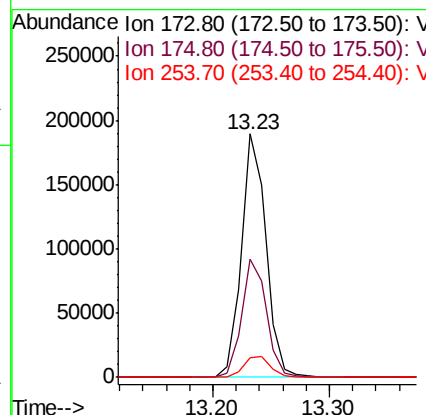
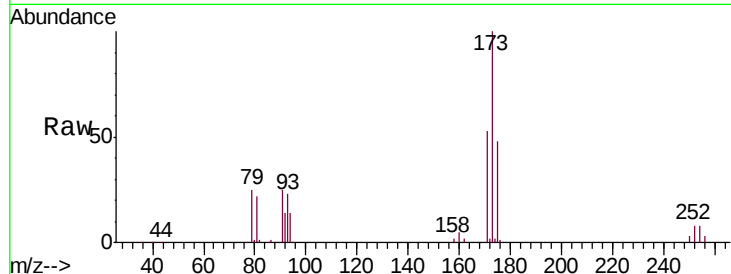
#71
Bromoform
Concen: 54.274 ug/l
RT: 13.23 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.4
254	8.0	5.4	8.2

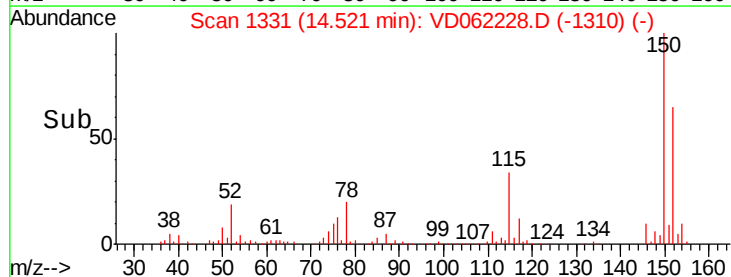
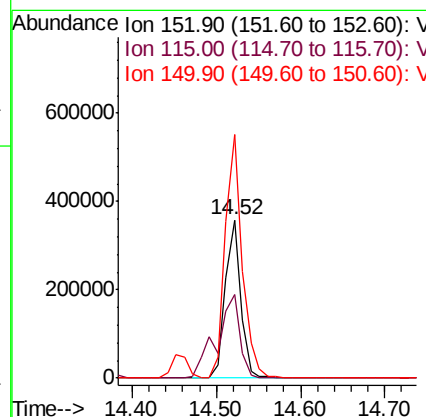
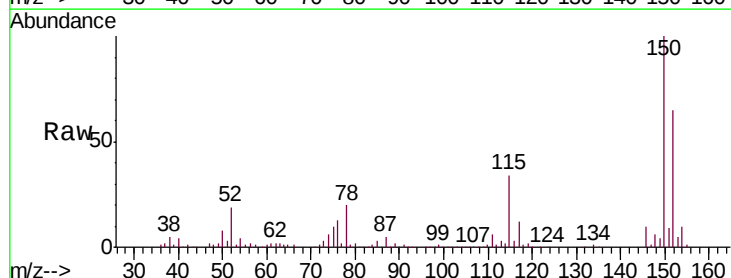
Manual Integrations
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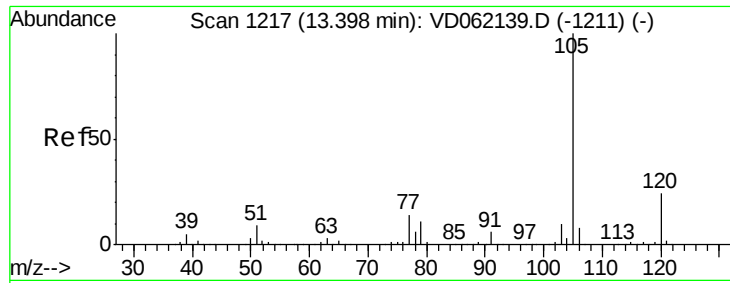
MMDadoda
5/12/2019 1:22:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	30.9	92.7
150	153.9	0.0	314.8





#73

Isopropylbenzene

Concen: 58.187 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1591181

Ion Ratio Lower Upper

105 100

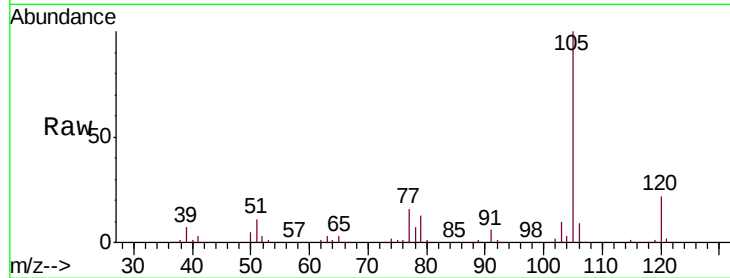
120 22.1 12.0 36.1

Manual Integrations

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MMDadoda

5/12/2019 1:22:37 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1200000

1000000

800000

600000

400000

200000

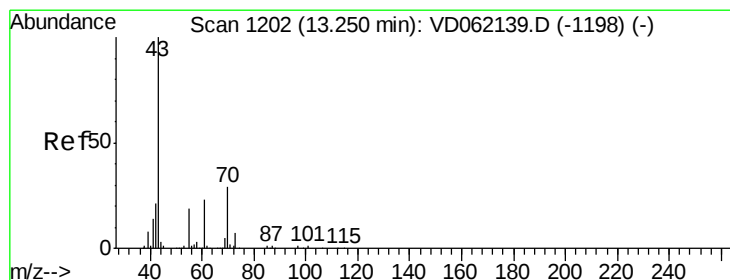
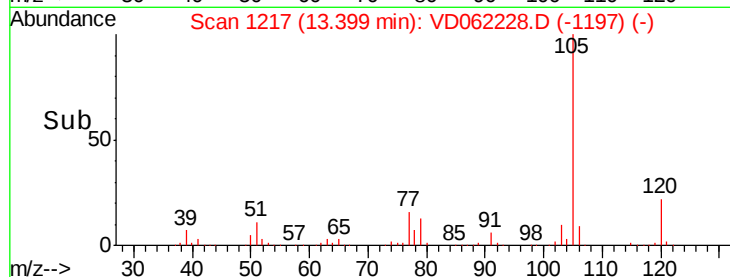
0

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 51.400 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion: 43 Resp: 368509

Ion Ratio Lower Upper

43 100

70 27.6 24.2 36.4

55 16.9 16.0 24.0

61 22.9 21.6 32.4

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

400000

300000

200000

100000

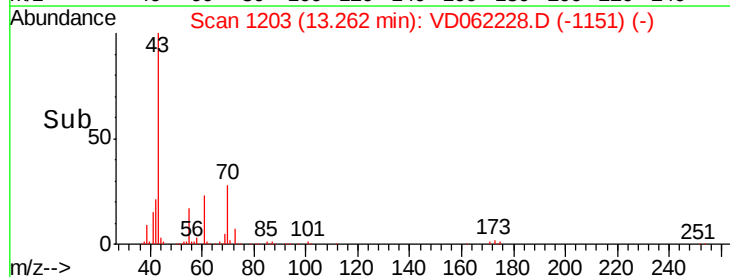
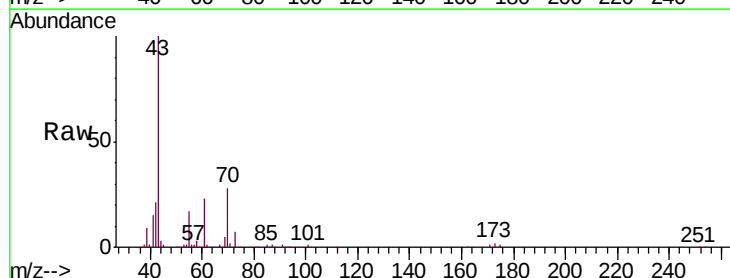
0

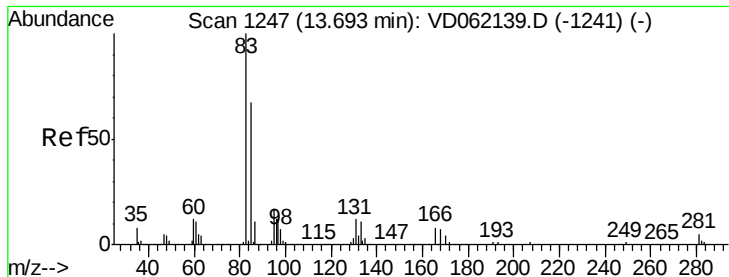
13.20

13.30

13.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.463 ug/l

RT: 13.70 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

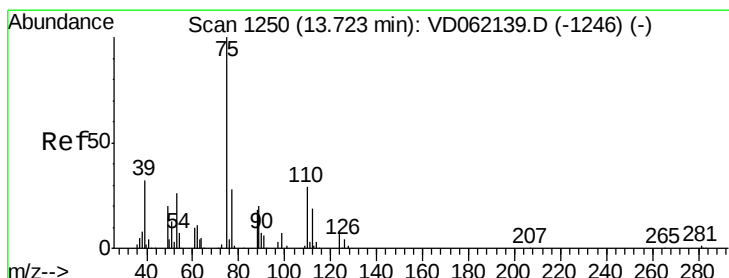
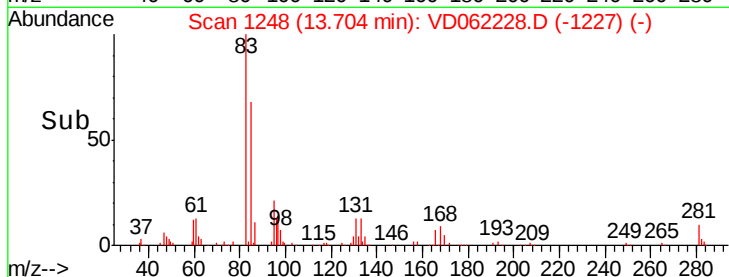
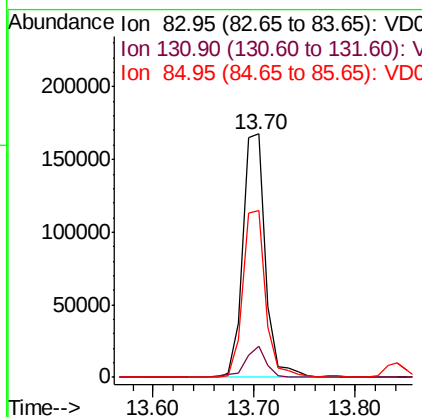
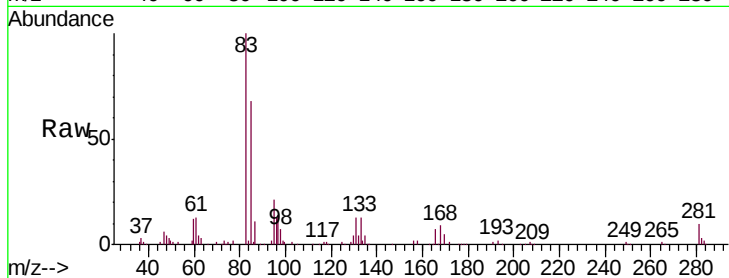
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	261241
Ion Ratio	Lower	Upper	
83	100		
131	12.8	5.0	14.9
85	68.4	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 51.782 ug/l

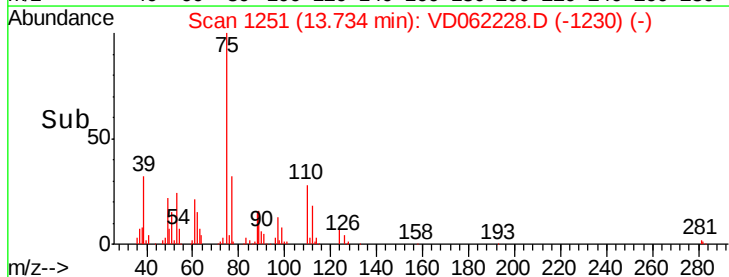
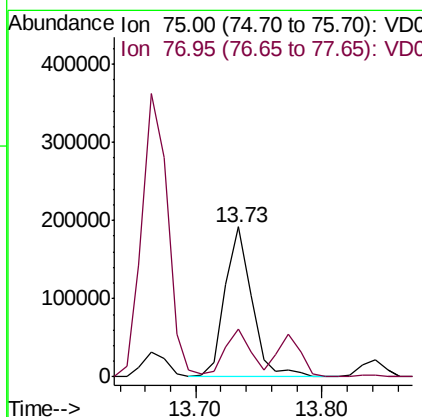
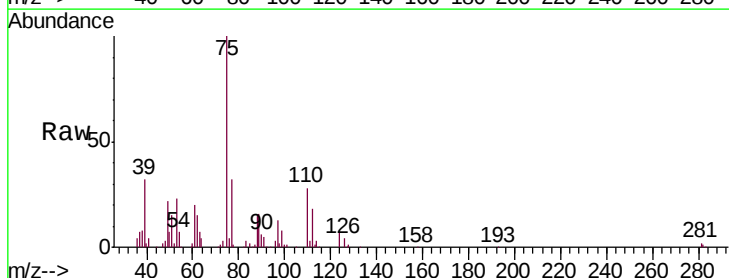
RT: 13.73 min Scan# 1251

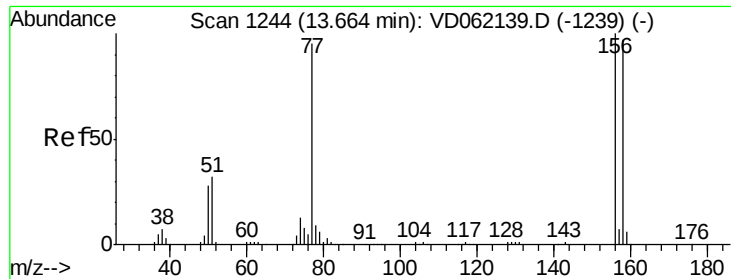
Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Tgt Ion:	75	Resp:	280735
Ion Ratio	Lower	Upper	
75	100		
77	32.0	16.4	49.4





#77

Bromobenzene

Concen: 56.757 ug/l

RT: 13.67 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

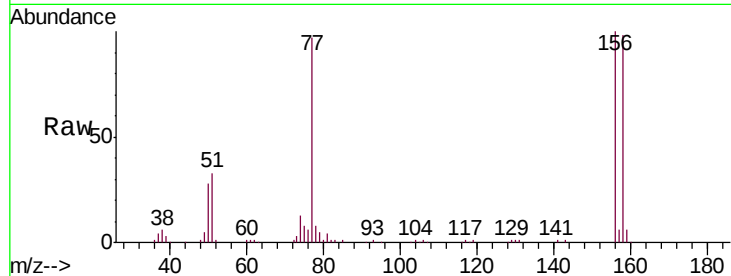
ClientSampleId :

VSTDCCC050

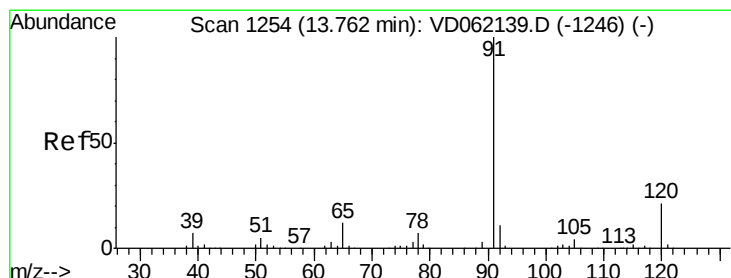
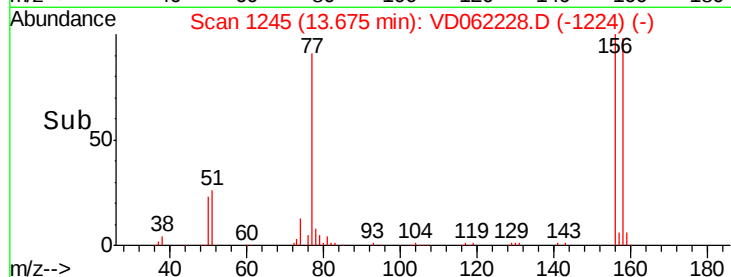
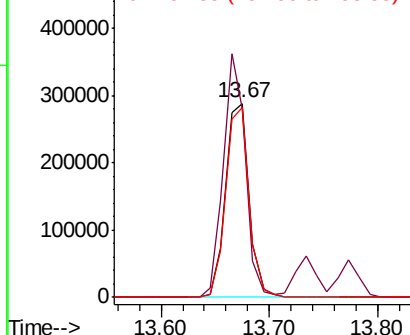
Tgt Ion:	156	Resp:	434477
Ion Ratio	Lower	Upper	
156	100		
77	97.3	53.1	159.4
158	98.2	49.4	148.0

Manual Integrations
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Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 55.615 ug/l

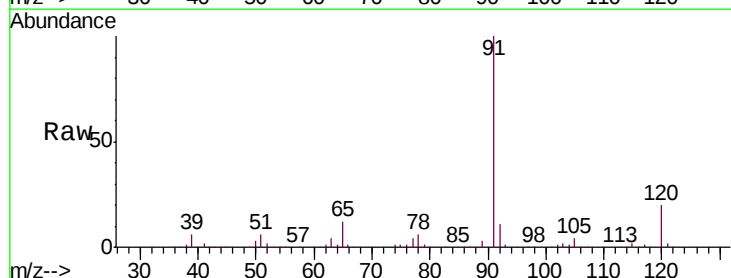
RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

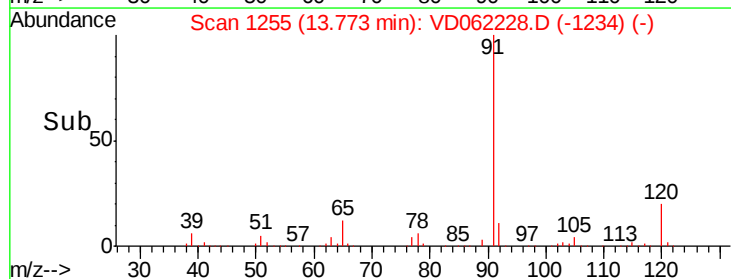
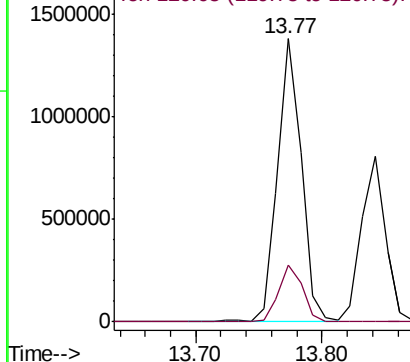
Lab File: VD062228.D

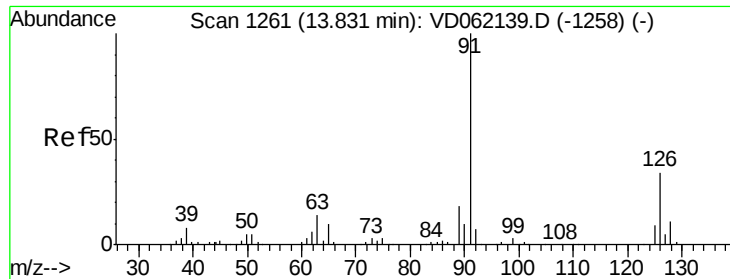
Acq: 11 May 2019 10:48

Tgt Ion:	91	Resp:	1814196
Ion Ratio	Lower	Upper	
91	100		
120	19.9	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 56.216 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD062228.D

Acq: 11 May 2019 10:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 1050237

Ion Ratio Lower Upper

91 100

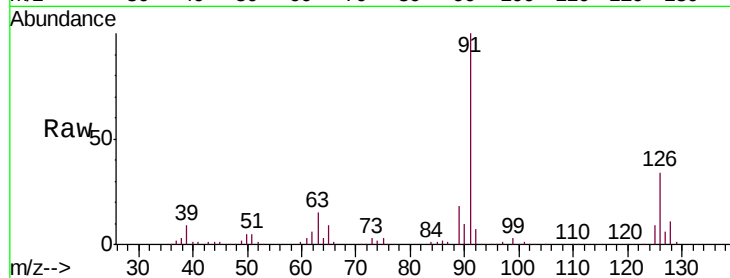
126 34.3 18.6 55.8

Manual Integrations

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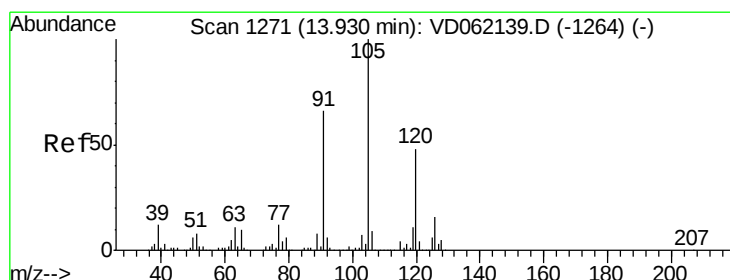
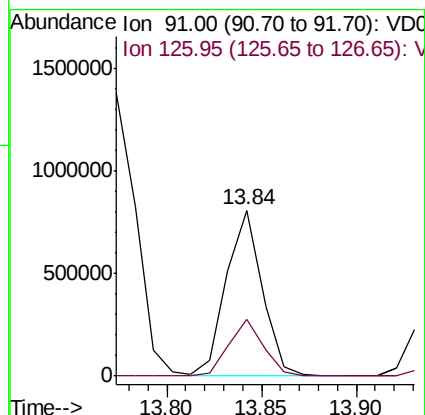
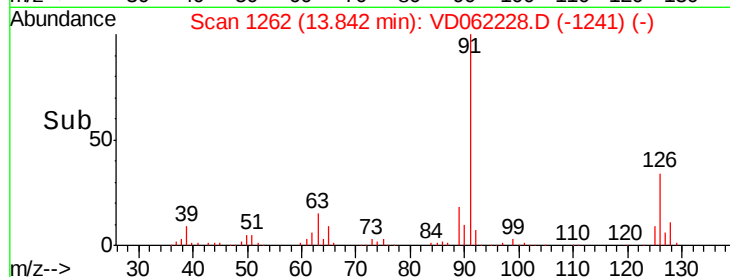
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 59.083 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD062228.D

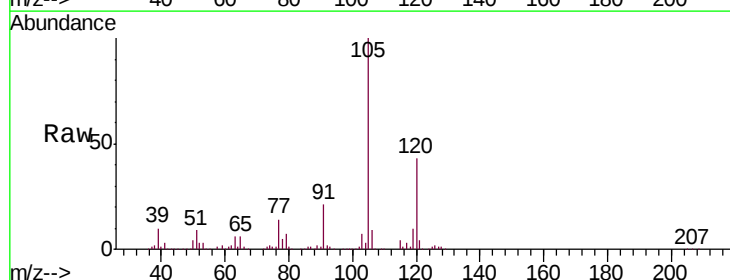
Acq: 11 May 2019 10:48

Tgt Ion: 105 Resp: 1360518

Ion Ratio Lower Upper

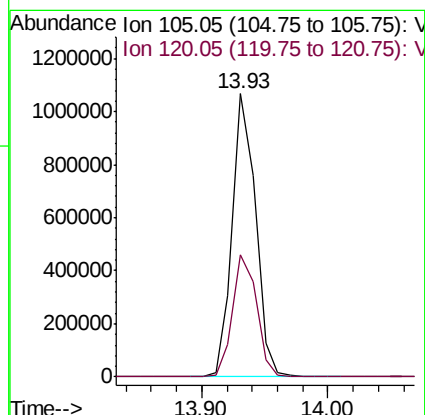
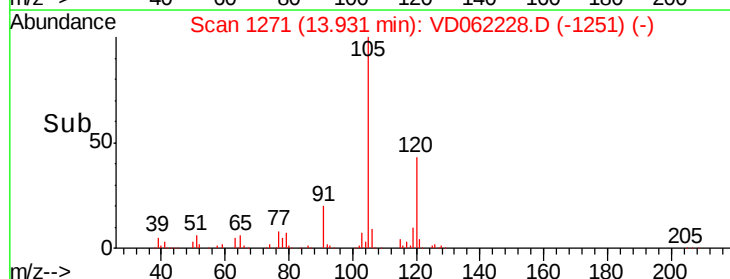
105 100

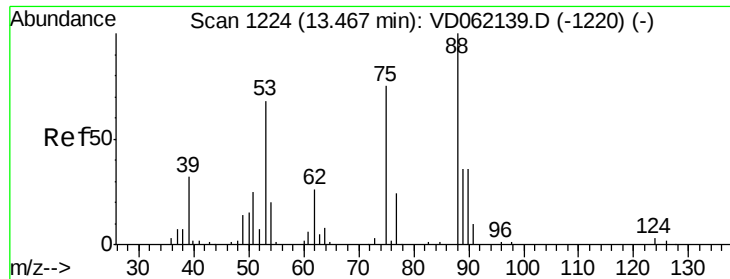
120 43.3 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





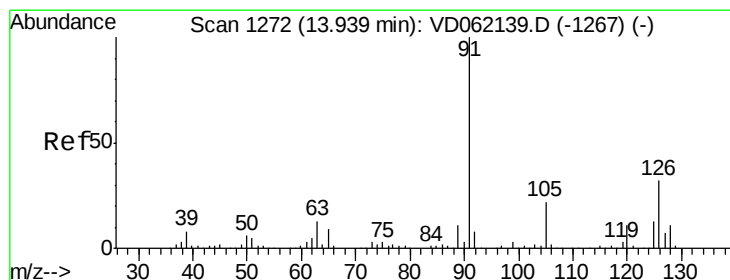
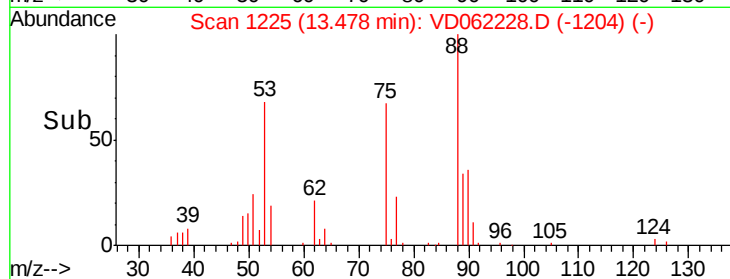
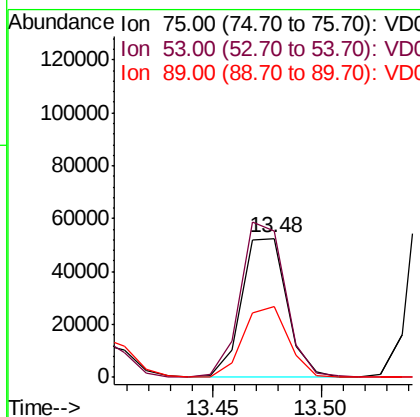
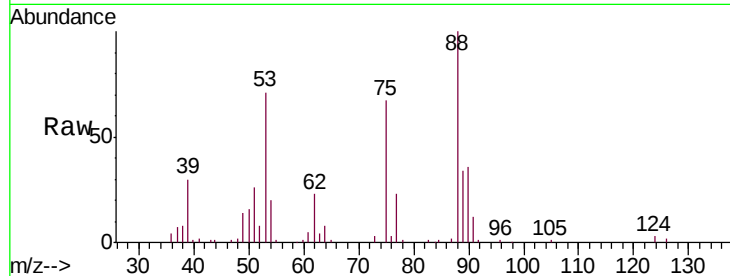
#81
trans-1,4-Dichloro-2-butene
Concen: 49.928 ug/l
RT: 13.48 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 76416
Ion Ratio Lower Upper
75 100
53 105.9 65.8 98.8#
89 51.1 35.0 52.6

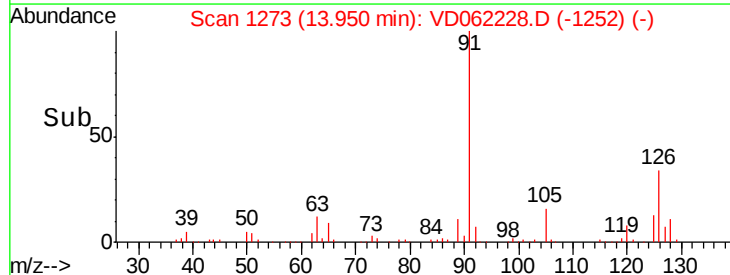
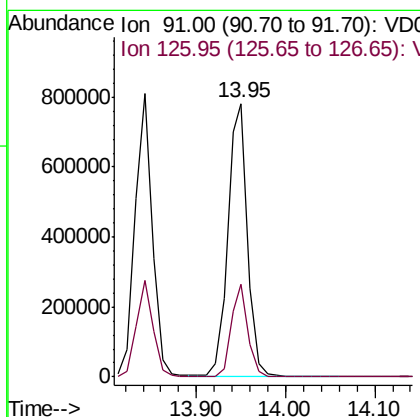
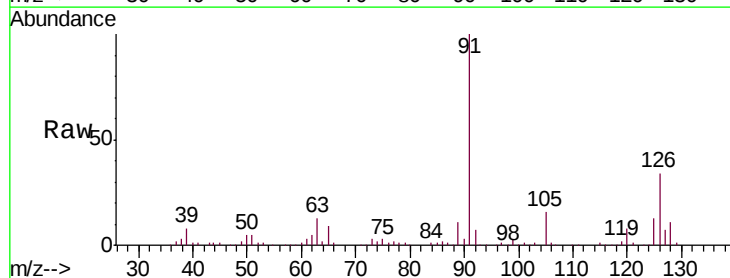
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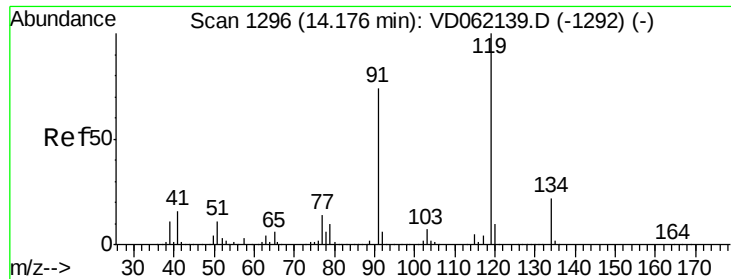
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#82
4-Chlorotoluene
Concen: 55.285 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 91 Resp: 1215411
Ion Ratio Lower Upper
91 100
126 34.0 19.1 57.5





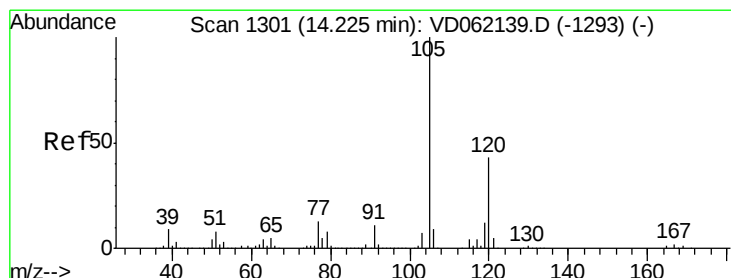
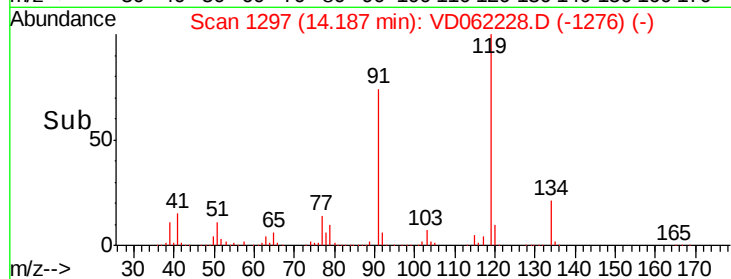
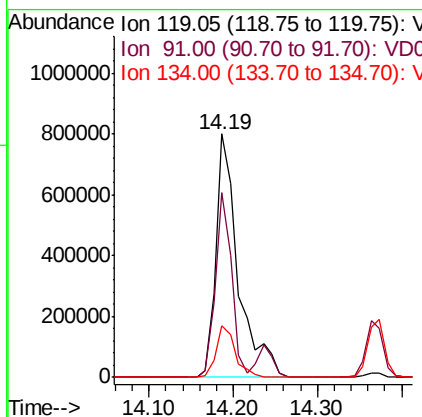
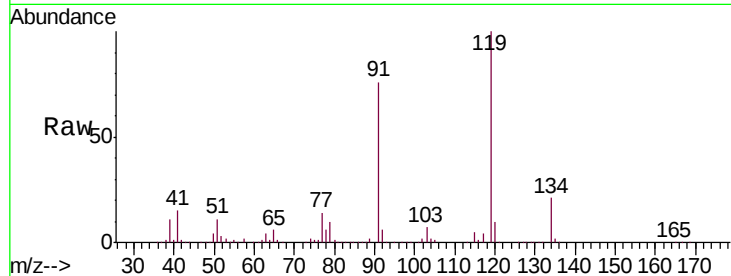
#83
 tert-Butylbenzene
 Concen: 56.862 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1471728
 Ion Ratio Lower Upper
 119 100
 91 75.7 34.2 102.6
 134 21.0 12.0 36.0

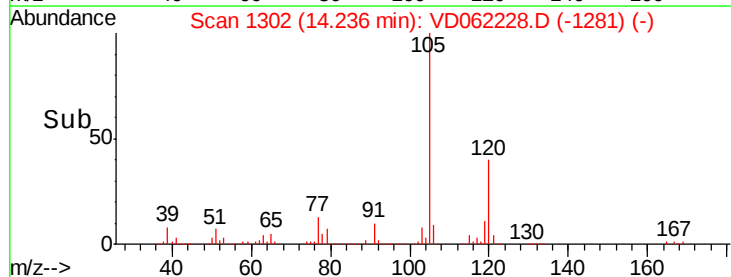
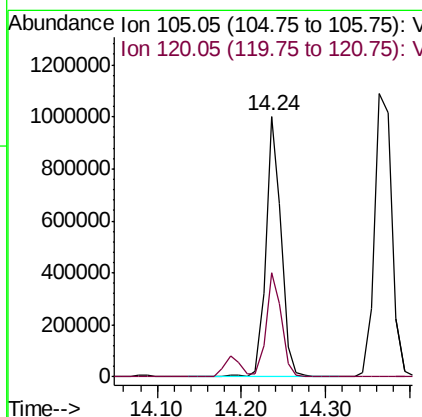
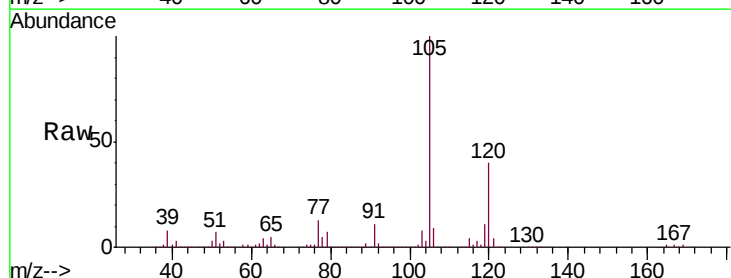
Manual Integrations
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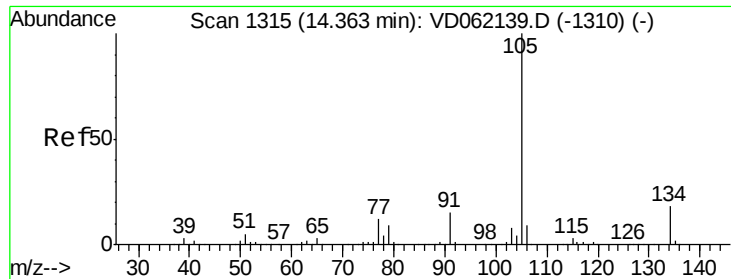
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.434 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion:105 Resp: 1280958
 Ion Ratio Lower Upper
 105 100
 120 39.9 23.1 69.2





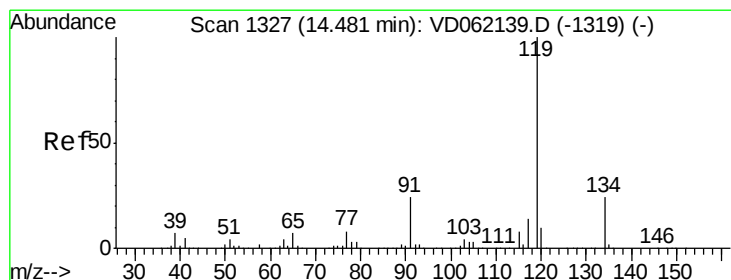
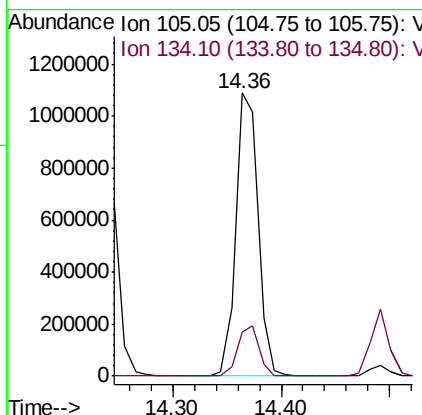
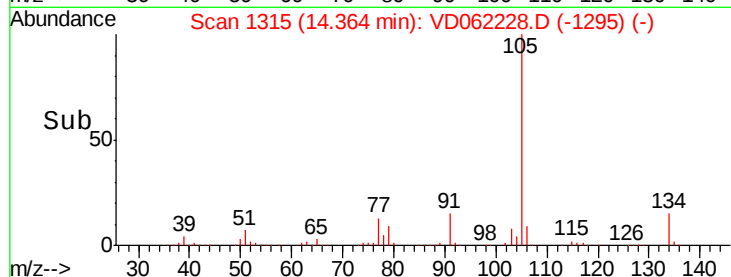
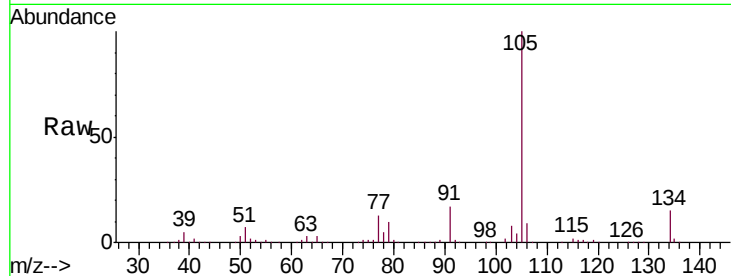
#85
 sec-Butylbenzene
 Concen: 54.658 ug/l
 RT: 14.36 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1551084
 Ion Ratio Lower Upper
 105 100
 134 15.4 8.9 26.7

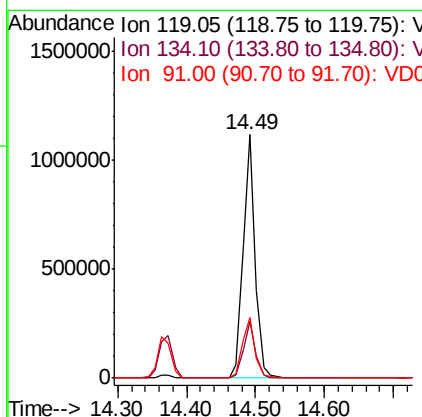
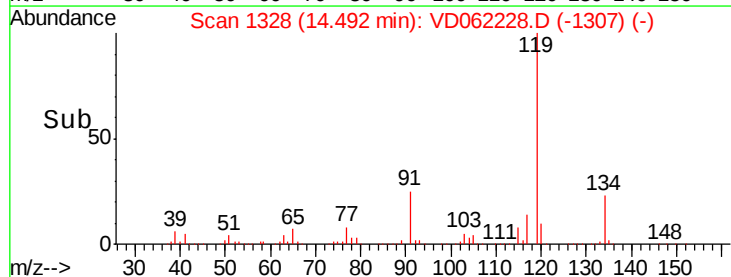
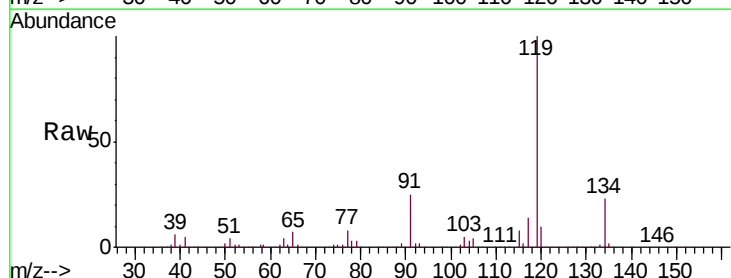
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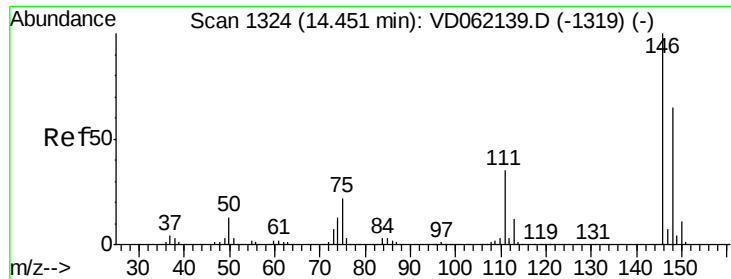
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#86
 p-Isopropyltoluene
 Concen: 52.846 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion:119 Resp: 1339848
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.8 38.3
 91 24.8 10.7 32.1





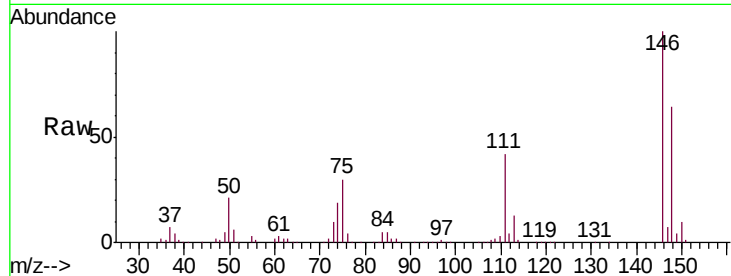
#87
 1,3-Dichlorobenzene
 Concen: 55.126 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

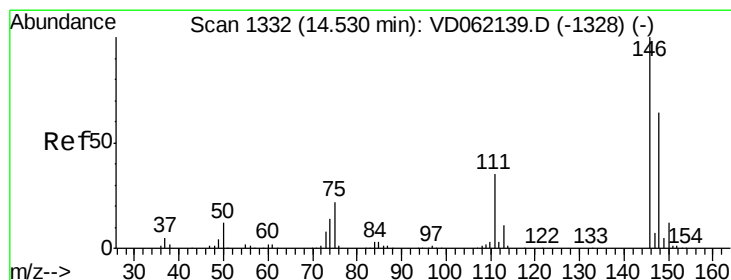
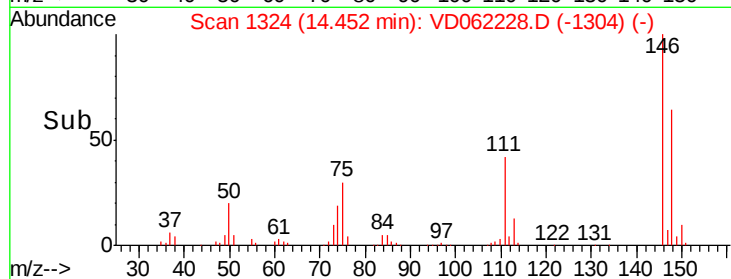
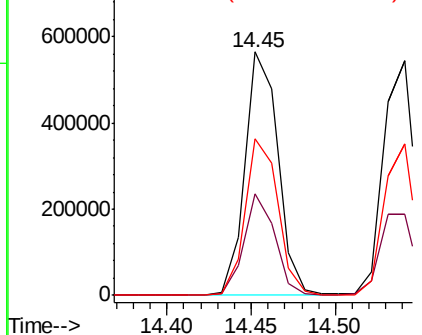
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.0	60.0
148	64.3	31.8	95.4

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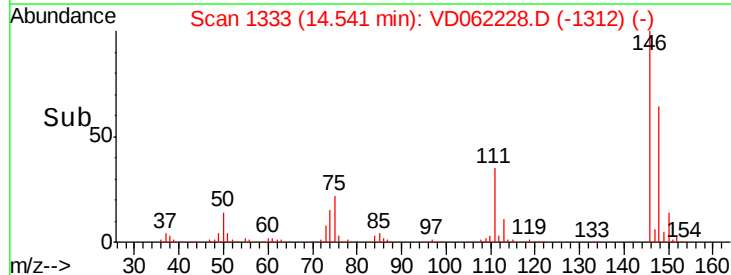
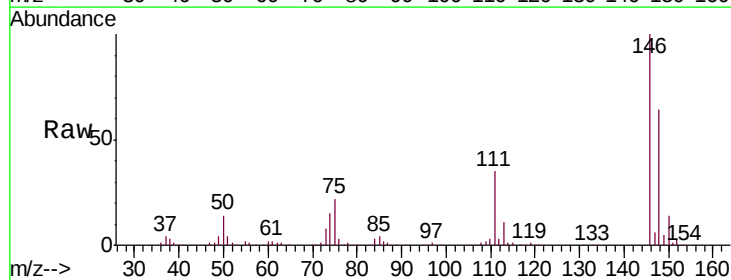
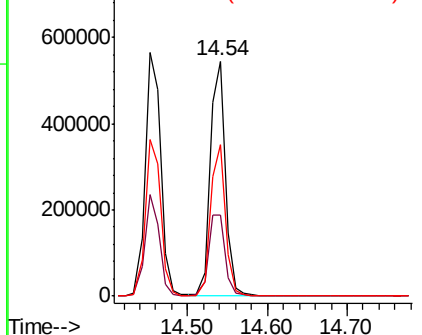
Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

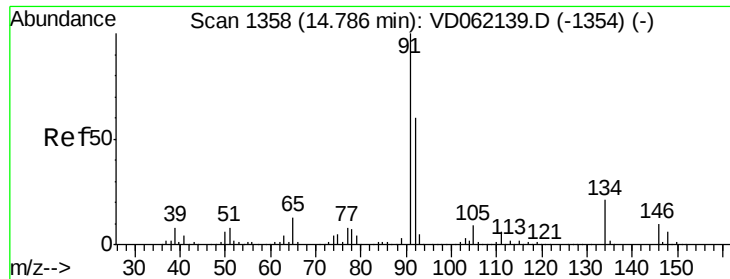


#88
 1,4-Dichlorobenzene
 Concen: 53.193 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	20.2	60.5
148	64.4	32.0	96.2

Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





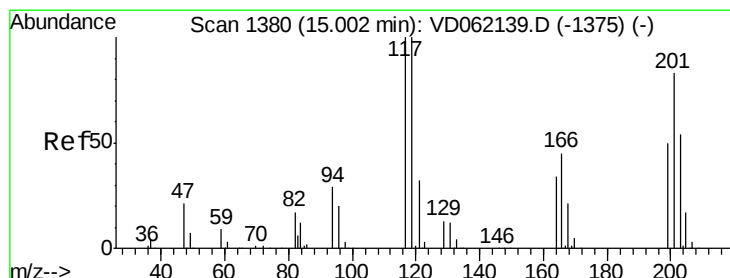
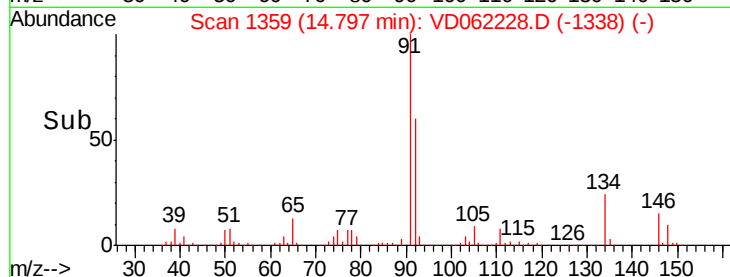
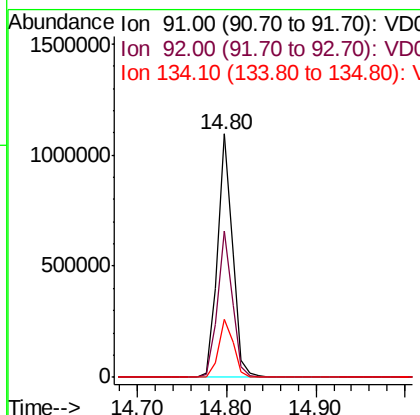
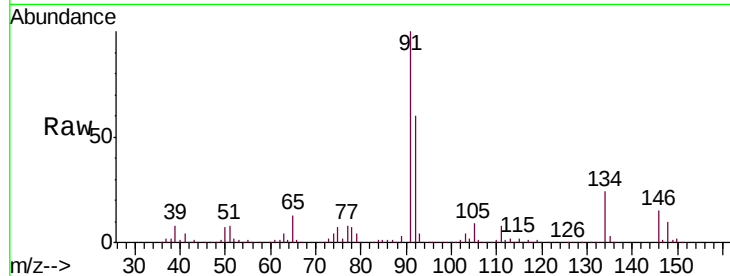
#89
n-Butylbenzene
Concen: 56.670 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1289638
Ion Ratio Lower Upper
91 100
92 60.2 30.3 91.0
134 23.9 14.5 43.6

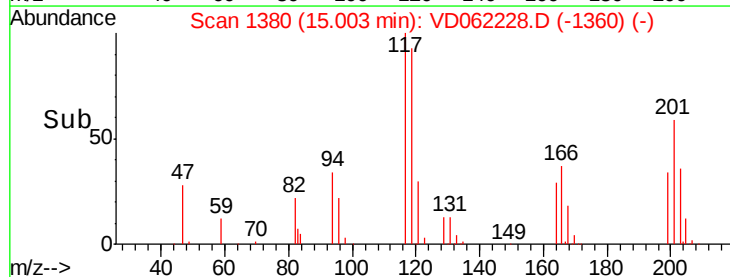
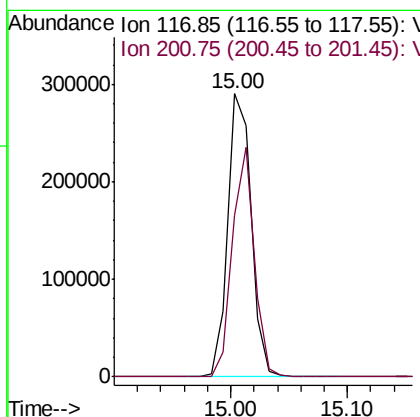
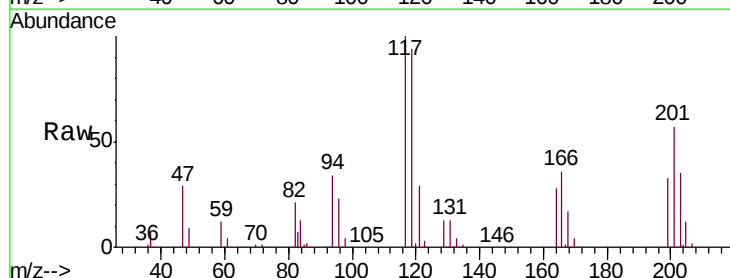
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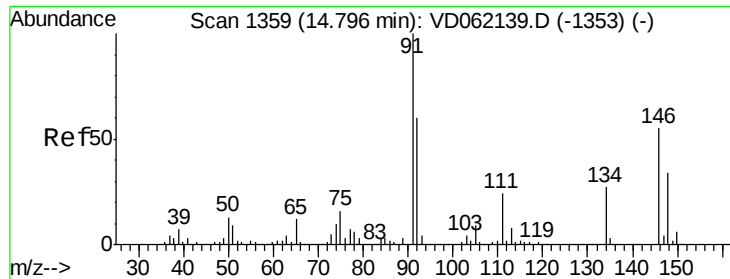
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#90
Hexachloroethane
Concen: 58.984 ug/l
RT: 15.00 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion: 117 Resp: 406691
Ion Ratio Lower Upper
117 100
201 57.3 30.2 90.6





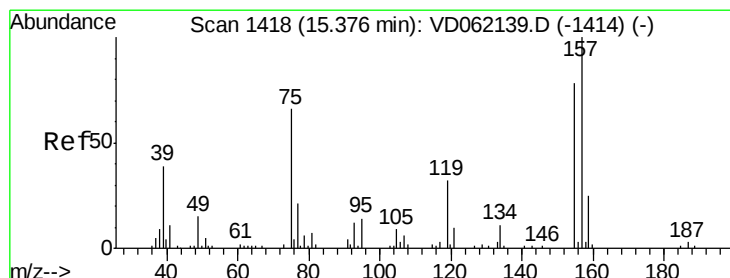
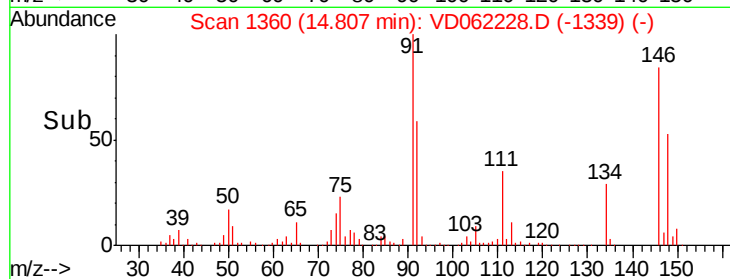
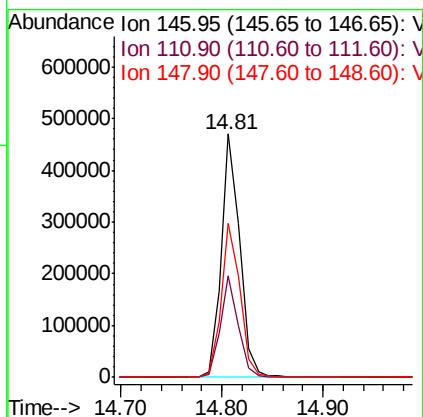
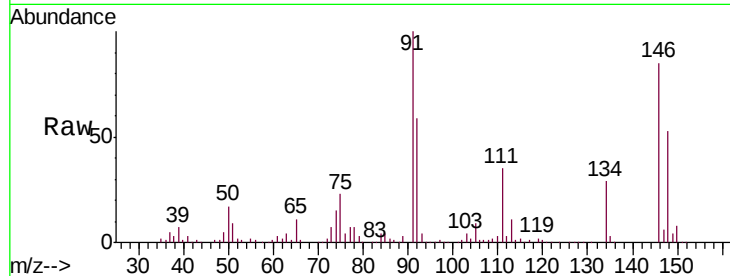
#91
 1,2-Dichlorobenzene
 Concen: 52.105 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	600081		
111	41.5	20.0	59.9	
148	63.2	32.3	96.8	

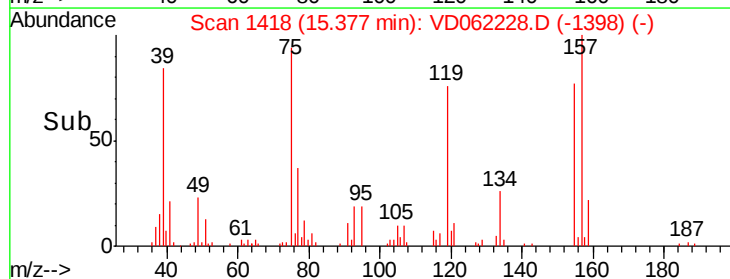
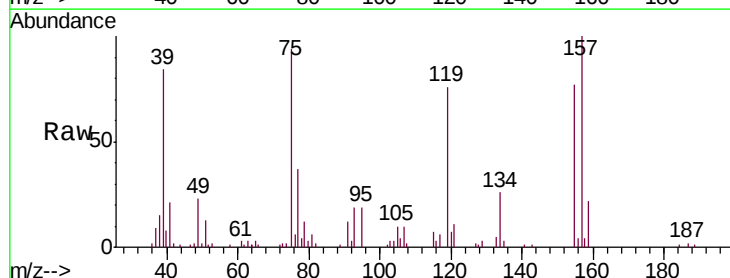
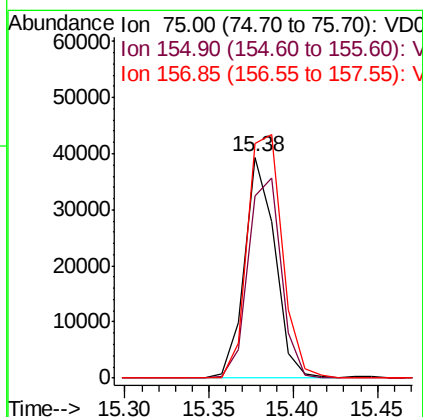
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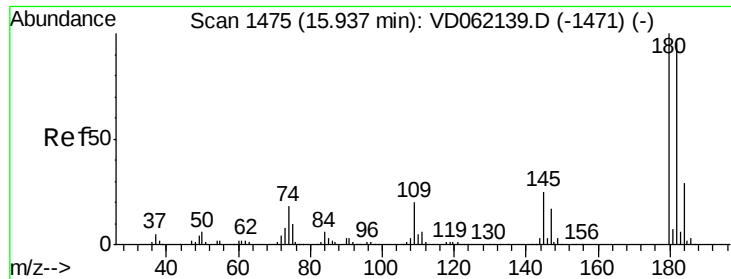
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.067 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	49345		
155	82.5	55.3	165.8	
157	106.6	67.8	203.2	





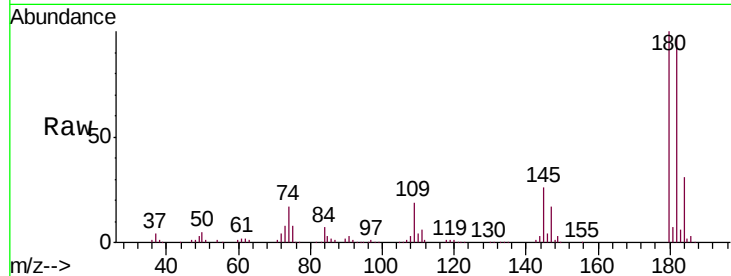
#93
 1,2,4-Trichlorobenzene
 Concen: 62.384 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

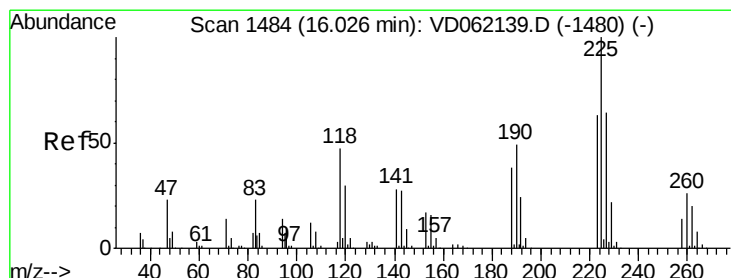
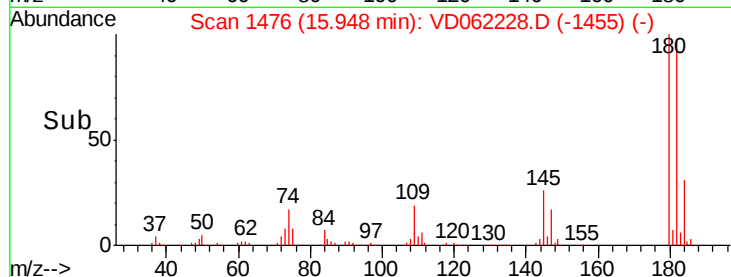
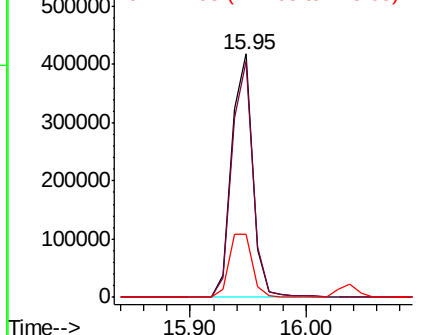
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	49.3	147.8
145	25.9	16.2	48.6

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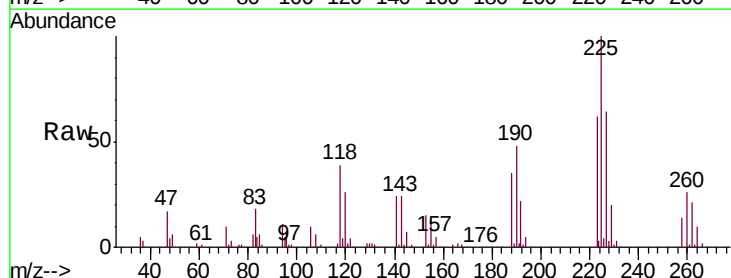


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

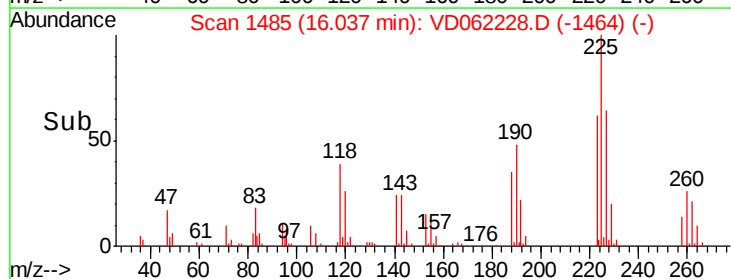
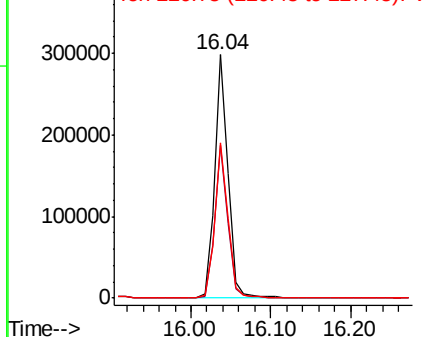


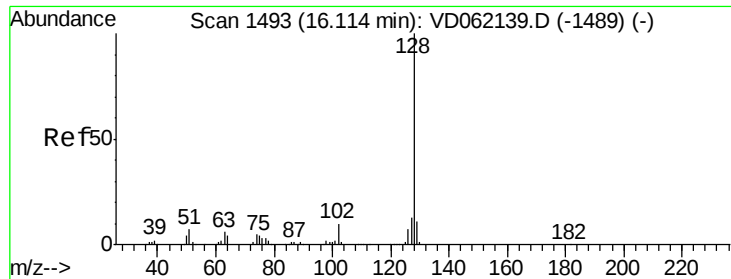
#94
 Hexachlorobutadiene
 Concen: 56.431 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD062228.D
 Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.6	92.0
227	64.0	32.0	96.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





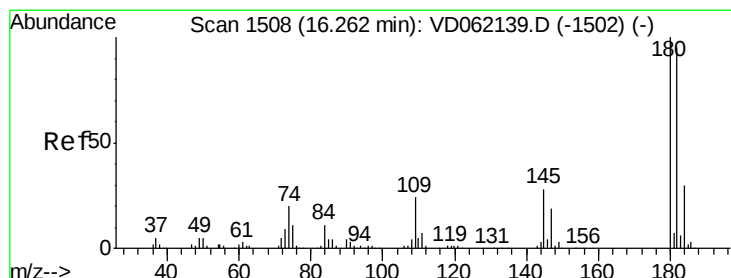
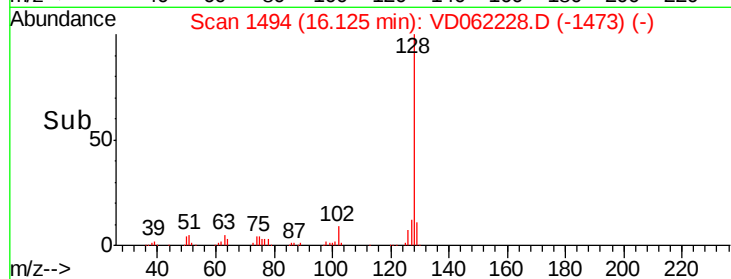
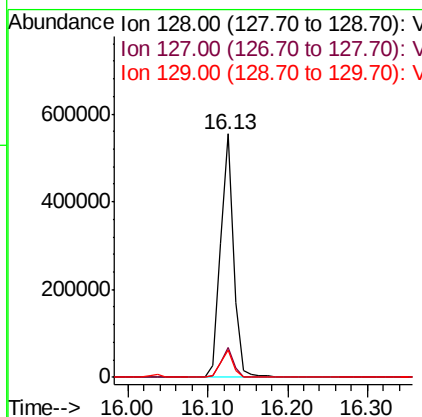
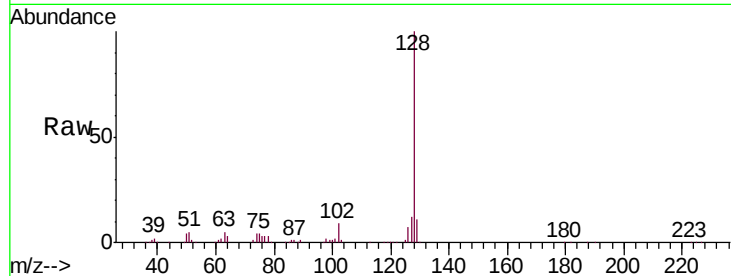
#95
Naphthalene
Concen: 55.400 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	648347		
127	12.2		9.8	14.8
129	11.0		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 60.339 ug/l
RT: 16.27 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD062228.D
Acq: 11 May 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	318016		
182	96.0		47.0	141.0
145	28.6		17.0	51.0

