

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD051419\
 Data File : VD062361.D
 Acq On : 14 May 2019 22:28
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/15/2019 9:45:52 AM

Quant Time: May 15 03:33:55 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	7.06	168	503950	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	728542	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	632293	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	372906	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	289490	61.81	ug/l	0.05
Spiked Amount 50.000			Recovery	=	123.62%	
35) Dibromofluoromethane	6.94	113	308148	50.98	ug/l	0.05
Spiked Amount 50.000			Recovery	=	101.96%	
50) Toluene-d8	10.43	98	641845	44.04	ug/l	0.03
Spiked Amount 50.000			Recovery	=	88.08%	
62) 4-Bromofluorobenzene	13.57	95	296353	50.64	ug/l	0.02
Spiked Amount 50.000			Recovery	=	101.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	250591	51.992	ug/l	99
3) Chloromethane	1.76	50	147018	42.214	ug/l	97
4) Vinyl Chloride	1.86	62	155976	45.571	ug/l	98
5) Bromomethane	2.15	94	72922	90.925	ug/l	97
6) Chloroethane	2.27	64	93483	65.089	ug/l	94
7) Trichlorofluoromethane	2.53	101	472038	70.937	ug/l	96
8) Diethyl Ether	2.88	74	48655	37.913	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.15	101	253750	50.410	ug/l	95
10) Methyl Iodide	3.31	142	295632	38.859	ug/l #	70
11) Tert butyl alcohol	4.08	59	61235	256.154	ug/l	97
12) 1,1-Dichloroethene	3.13	96	172350	44.853	ug/l #	76
13) Acrolein	3.05	56	53789	217.543	ug/l	92
14) Allyl chloride	3.63	41	275981	49.397	ug/l #	76
15) Acrylonitrile	4.21	53	142999	227.580	ug/l #	85
16) Acetone	3.23	43	265134	269.958	ug/l #	77
17) Carbon Disulfide	3.38	76	456810	41.326	ug/l	99
18) Methyl Acetate	3.65	43	95623	54.466	ug/l #	89
19) Methyl tert-butyl Ether	4.25	73	458464	55.664	ug/l	94
20) Methylene Chloride	3.82	84	179304	43.725	ug/l #	82
21) trans-1,2-Dichloroethene	4.23	96	206630	48.325	ug/l	87
22) Diisopropyl ether	5.13	45	617042	51.900	ug/l #	88
23) Vinyl Acetate	5.07	43	1907102	304.027	ug/l #	95
24) 1,1-Dichloroethane	4.99	63	386042	53.824	ug/l	97
25) 2-Butanone	6.09	43	298258	278.415	ug/l	95
26) 2,2-Dichloropropane	6.04	77	428769	60.015	ug/l	87
27) cis-1,2-Dichloroethene	6.06	96	233436	48.774	ug/l	89
28) Bromochloromethane	6.45	49	185465	65.726	ug/l #	79
29) Tetrahydrofuran	6.47	42	134662	272.817	ug/l	91
30) Chloroform	6.69	83	530799	61.408	ug/l	98
31) Cyclohexane	6.97	56	221738	45.126	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	550739	67.410	ug/l	95
36) 1,1-Dichloropropene	7.16	75	349622	58.530	ug/l	90
37) Ethyl Acetate	6.20	43	128172	50.596	ug/l	94
38) Carbon Tetrachloride	7.13	117	536559m	64.899	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	268930	46.989	ug/l	91
40) Benzene	7.47	78	641238	47.540	ug/l	97
41) Methacrylonitrile	6.46	41	177248	57.256	ug/l #	84
42) 1,2-Dichloroethane	7.59	62	366103	64.061	ug/l	89
43) Isopropyl Acetate	9.26	43	201303	56.032	ug/l	91
44) Trichloroethene	8.56	130	237805	46.267	ug/l	74
45) 1,2-Dichloropropane	8.96	63	165125	49.492	ug/l	96
46) Dibromomethane	9.08	93	148798	54.844	ug/l	95
47) Bromodichloromethane	9.39	83	413554	62.316	ug/l	99
48) Methyl methacrylate	9.14	41	126883	57.337	ug/l #	81
49) 1,4-Dioxane	9.10	88	22097	925.469	ug/l #	81
51) 4-Methyl-2-Pentanone	10.32	43	669692	289.985	ug/l	88
52) Toluene	10.52	92	426391	48.585	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	331919	57.869	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	350131	55.957	ug/l #	84
55) 1,1,2-Trichloroethane	11.20	97	174769	56.282	ug/l	94
56) Ethyl methacrylate	11.07	69	176376	54.660	ug/l #	88
57) 1,3-Dichloropropane	11.42	76	257995	54.995	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	573578	325.419	ug/l	100
59) 2-Hexanone	11.55	43	490029	287.894	ug/l	90
60) Dibromochloromethane	11.70	129	324173	60.407	ug/l	97
61) 1,2-Dibromoethane	11.82	107	204920	54.280	ug/l	99
64) Tetrachloroethene	11.27	164	246407	49.837	ug/l	96
65) Chlorobenzene	12.41	112	572815	48.640	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	293287	57.223	ug/l	92
67) Ethyl Benzene	12.54	91	1101973	55.893	ug/l	95
68) m/p-Xylenes	12.68	106	664410	92.625	ug/l	79
69) o-Xylene	13.06	106	335482	50.307	ug/l	78
70) Styrene	13.08	104	564861	50.001	ug/l #	90
71) Bromoform	13.25	173	204089	57.234	ug/l #	95
73) Isopropylbenzene	13.42	105	1008916	45.135	ug/l	94
74) N-amyl acetate	13.28	43	285186	48.662	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.71	83	197849	46.754	ug/l	96
76) 1,2,3-Trichloropropane	13.74	75	210370	47.469	ug/l	100
77) Bromobenzene	13.68	156	288225	46.061	ug/l	97
78) n-propylbenzene	13.78	91	1152287	43.214	ug/l	90
79) 2-Chlorotoluene	13.85	91	740501	48.489	ug/l	85
80) 1,3,5-Trimethylbenzene	13.95	105	903141	47.980	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.49	75	52037	41.593	ug/l #	63
82) 4-Chlorotoluene	13.96	91	887636	49.394	ug/l	82
83) tert-Butylbenzene	14.21	119	940560	44.456	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	887524	46.986	ug/l	86
85) sec-Butylbenzene	14.38	105	1032415	44.507	ug/l	98
86) p-Isopropyltoluene	14.50	119	905087	43.671	ug/l	89
87) 1,3-Dichlorobenzene	14.47	146	481496	42.122	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	503533	44.832	ug/l	97
89) n-Butylbenzene	14.81	91	963381	51.789	ug/l	93
90) Hexachloroethane	15.02	117	279398	49.573	ug/l	72
91) 1,2-Dichlorobenzene	14.82	146	451856	47.998	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.40	75	37946	54.626	ug/l	88

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ClientSampleId :
VSTDCCC050

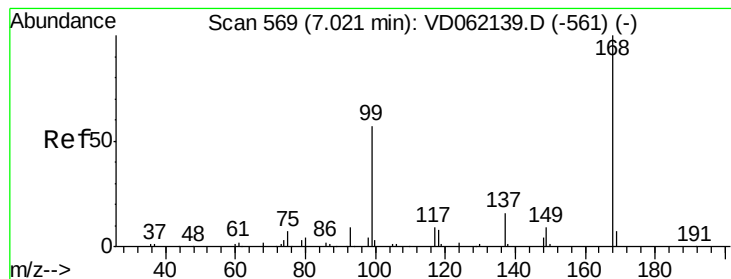
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	345522	50.425	ug/l	95
94) Hexachlorobutadiene	16.05	225	264767	51.952	ug/l	100
95) Naphthalene	16.13	128	477504	49.915	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	259667	60.273	ug/l	95

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



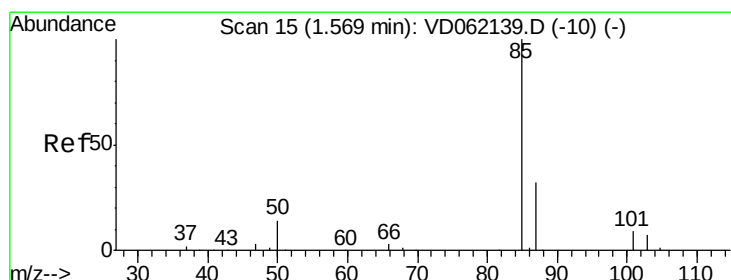
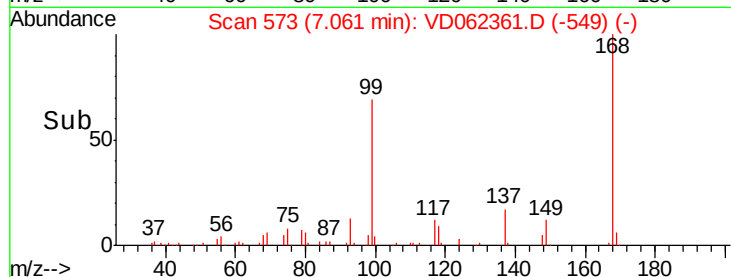
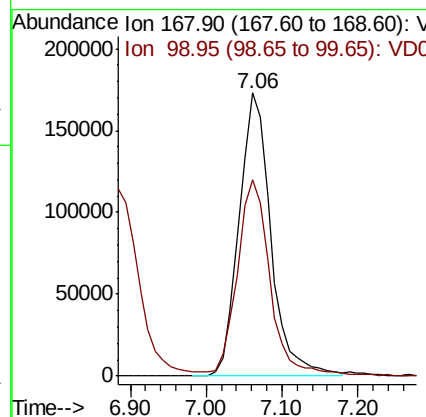
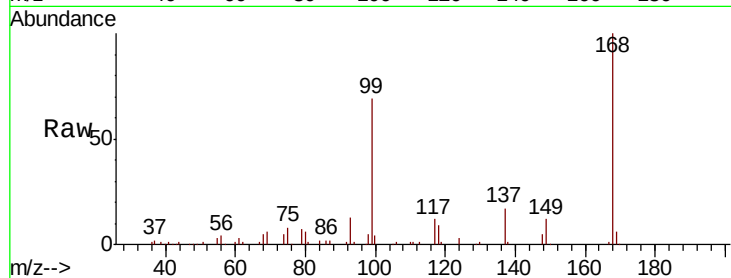
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.06 min Scan# 573
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

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MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	503950		
99	69.3	46.5	69.7	

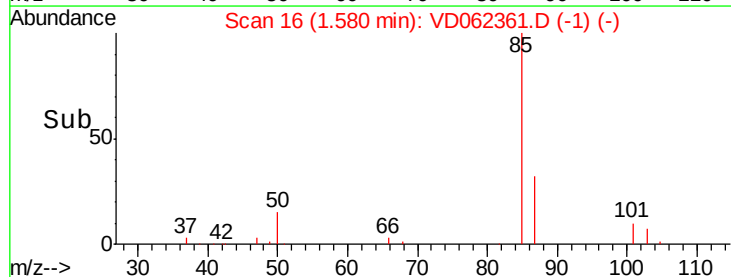
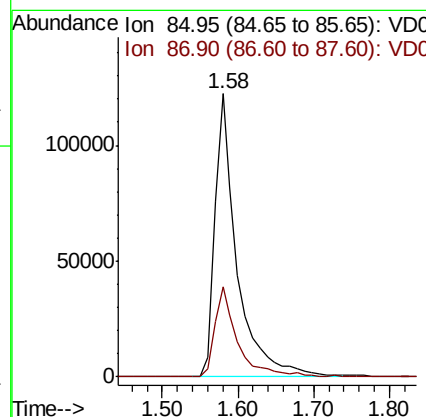
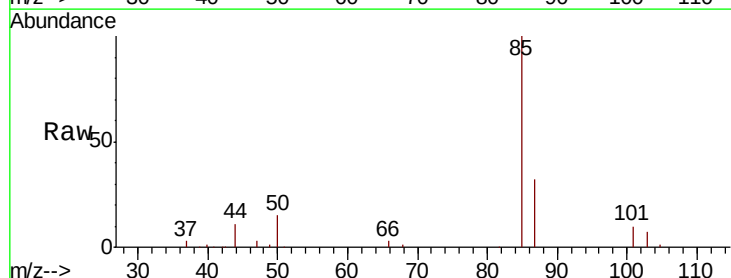
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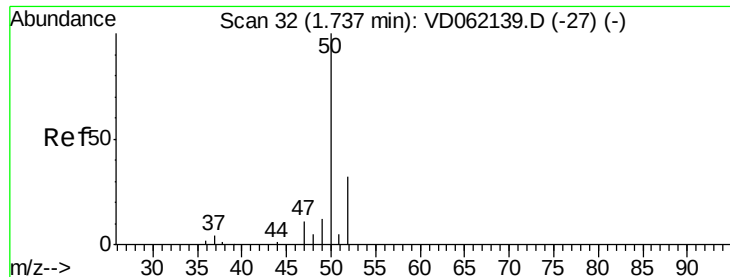
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#2
Dichlorodifluoromethane
Concen: 51.992 ug/l
RT: 1.58 min Scan# 16
Delta R.T. 0.01 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	250591		
87	32.0	16.2	48.6	





#3

Chloromethane

Concen: 42.214 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 147018

Ion Ratio Lower Upper

50 100

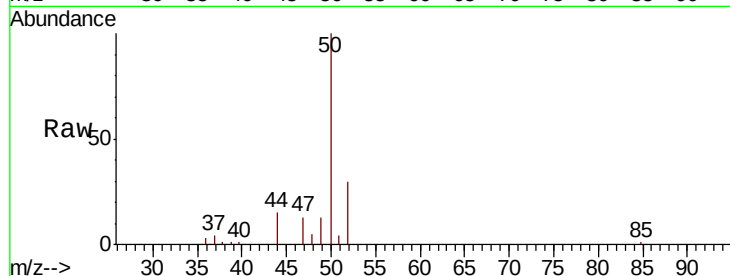
52 29.6 25.2 37.8

Manual Integrations

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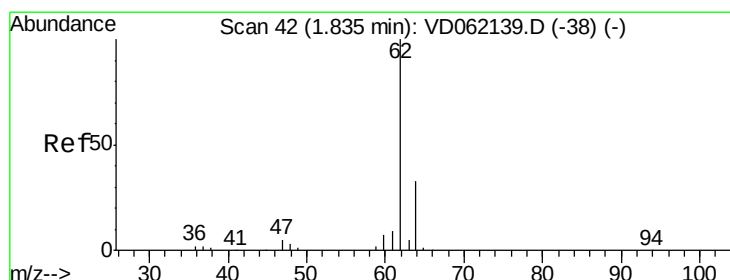
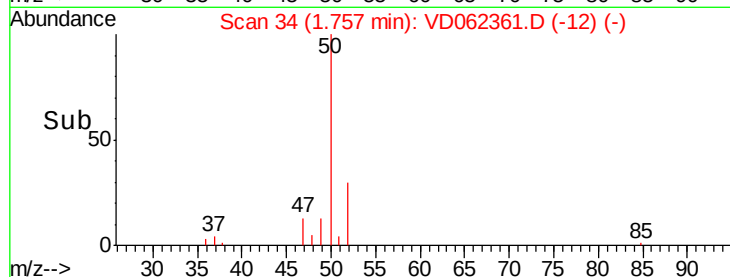
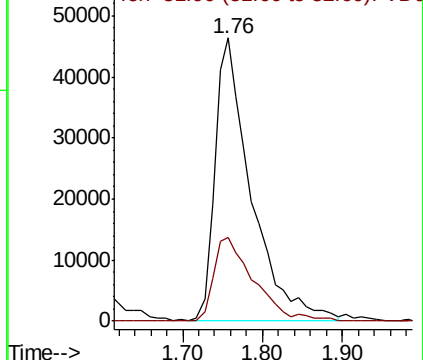
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.571 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.02 min

Lab File: VD062361.D

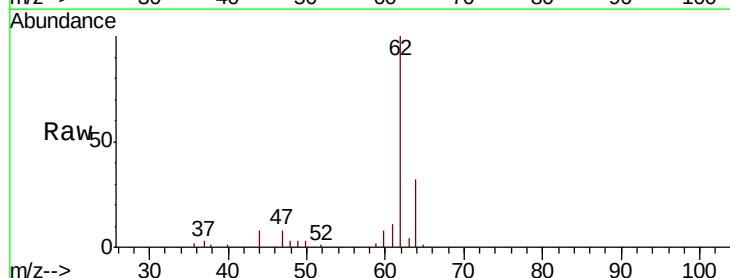
Acq: 14 May 2019 22:28

Tgt Ion: 62 Resp: 155976

Ion Ratio Lower Upper

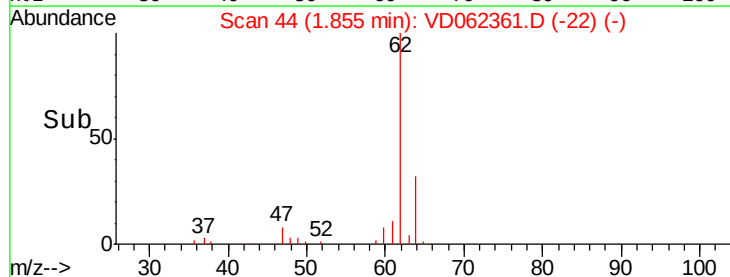
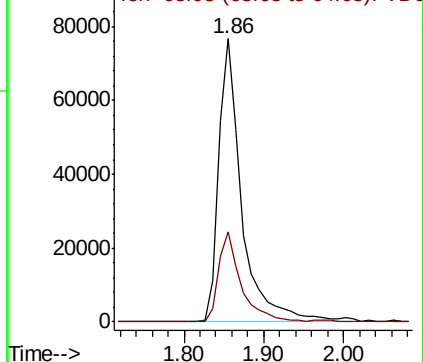
62 100

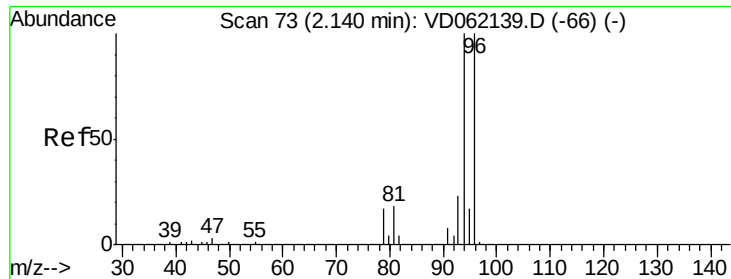
64 31.8 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 90.925 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

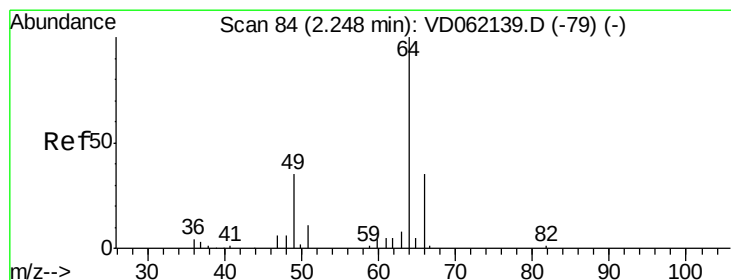
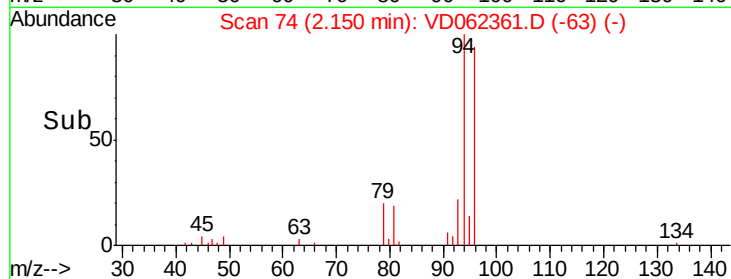
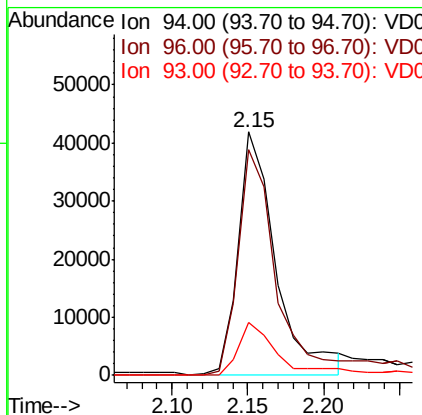
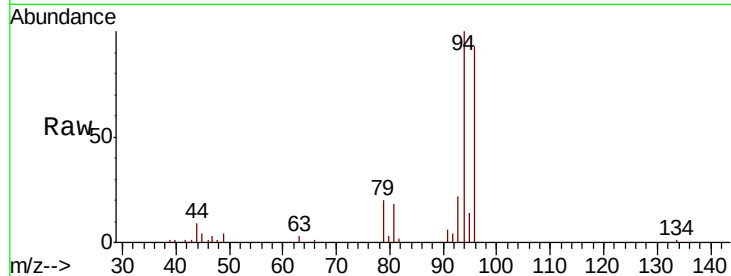
ClientSampleId :

VSTDCCC050

Tgt Ion:	94	Resp:	72922
Ion	Ratio	Lower	Upper
94	100		
96	92.7	76.6	115.0
93	21.7	18.5	27.7

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#6

Chloroethane

Concen: 65.089 ug/l

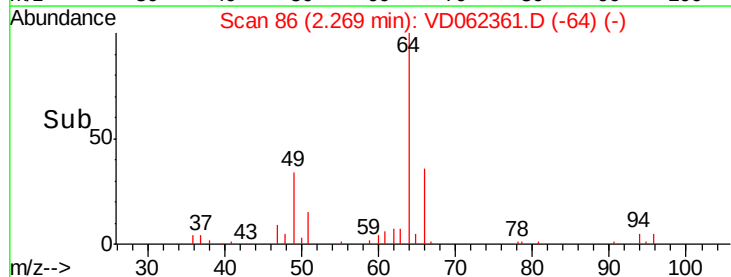
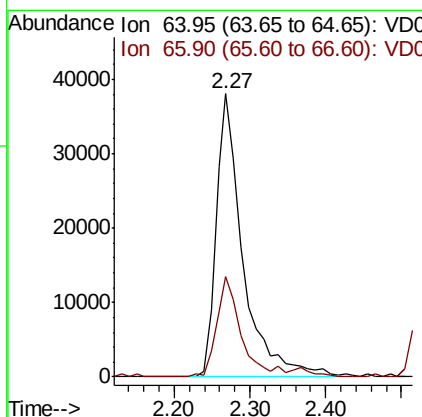
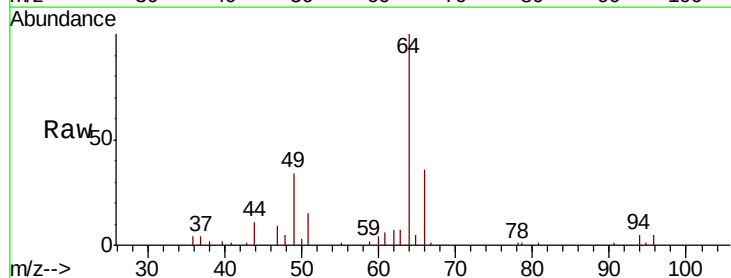
RT: 2.27 min Scan# 86

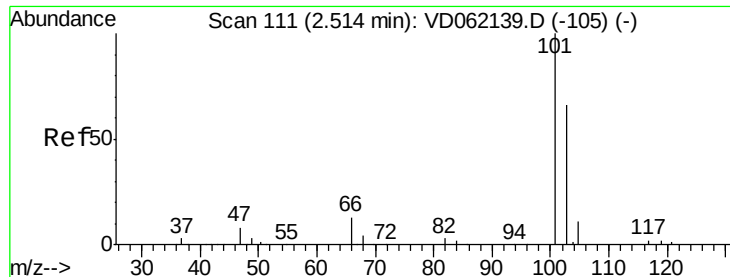
Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Tgt Ion:	64	Resp:	93483
Ion	Ratio	Lower	Upper
64	100		
66	35.6	25.6	38.4





#7

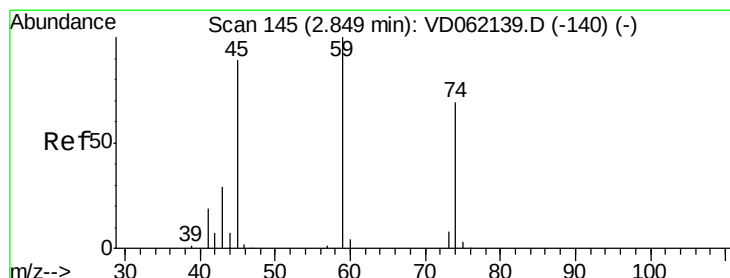
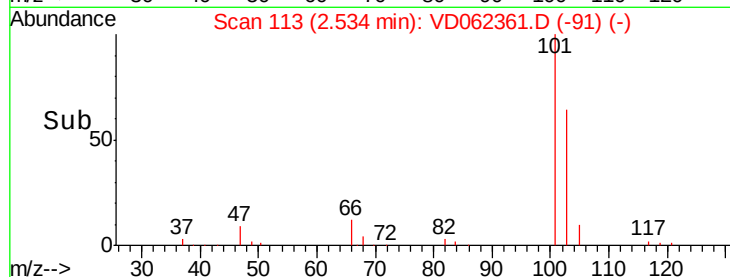
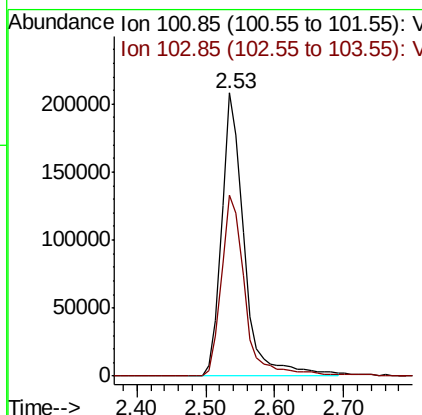
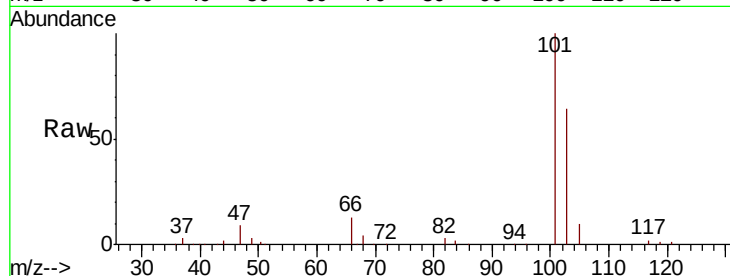
Trichlorofluoromethane
 Concen: 70.937 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tgt Ion: 101 Resp: 472038
 Ion Ratio Lower Upper
 101 100
 103 64.1 53.6 80.4

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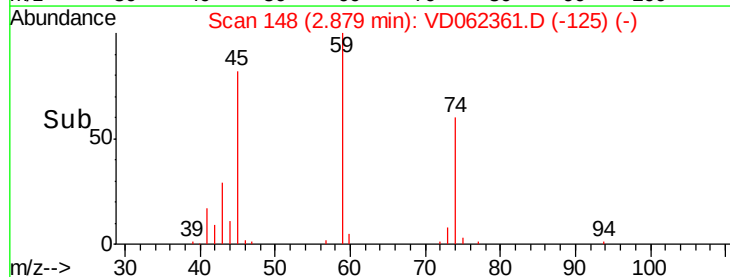
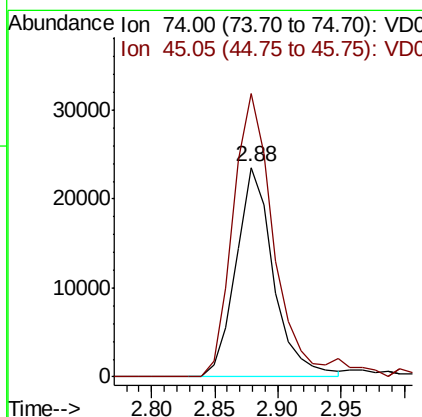
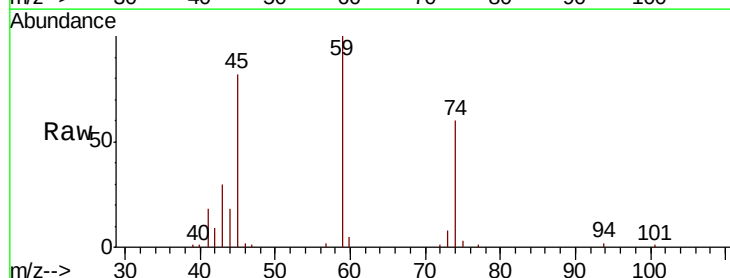
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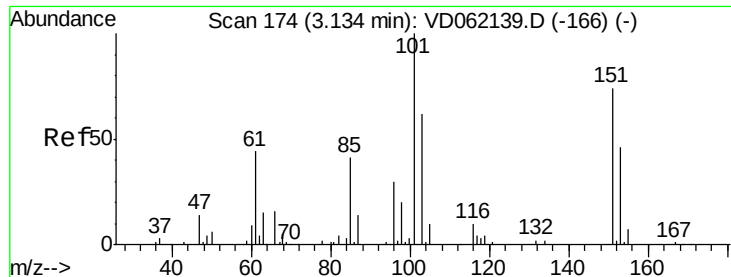


#8

Diethyl Ether
 Concen: 37.913 ug/l
 RT: 2.88 min Scan# 148
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 74 Resp: 48655
 Ion Ratio Lower Upper
 74 100
 45 135.0 56.9 170.7





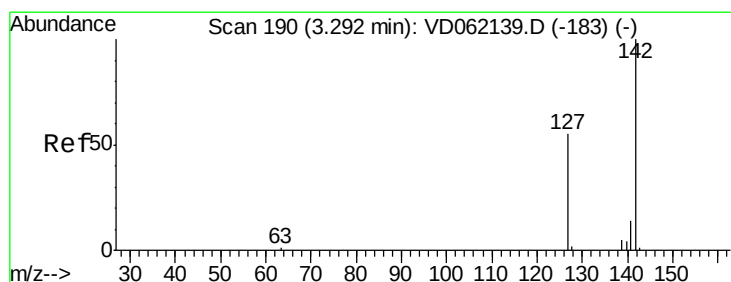
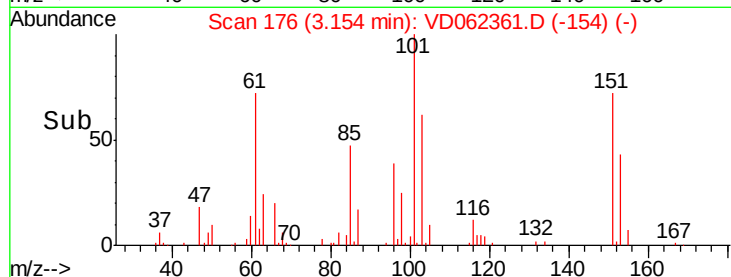
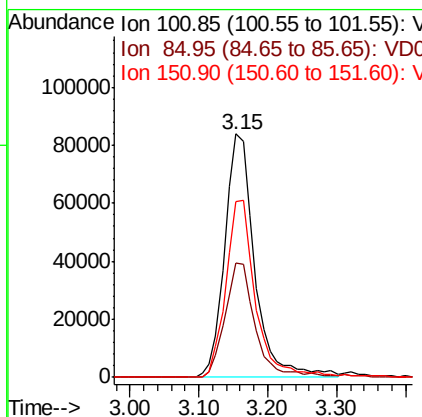
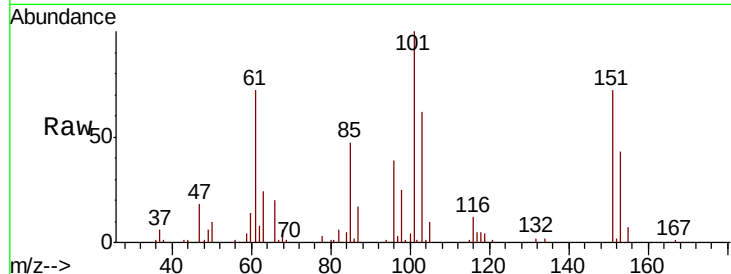
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.410 ug/l
RT: 3.15 min Scan# 176
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	253750		
85	47.2	32.4	48.6	
151	72.3	59.4	89.0	

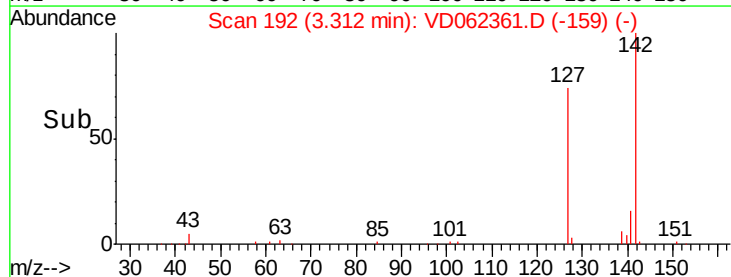
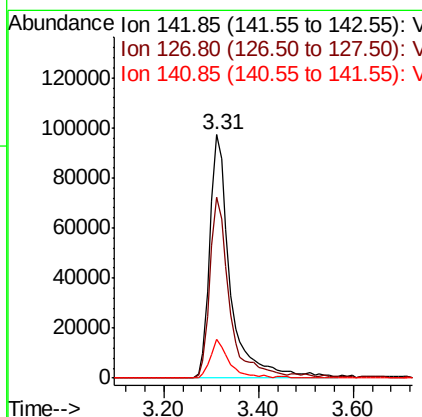
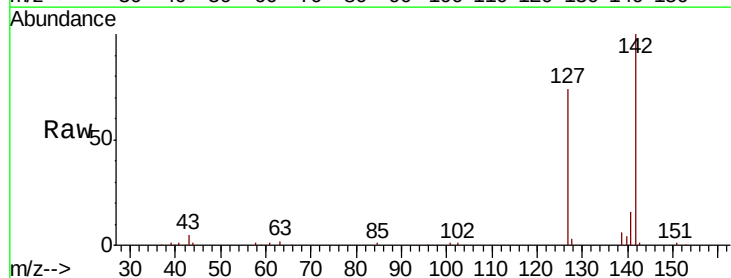
Manual Integrations
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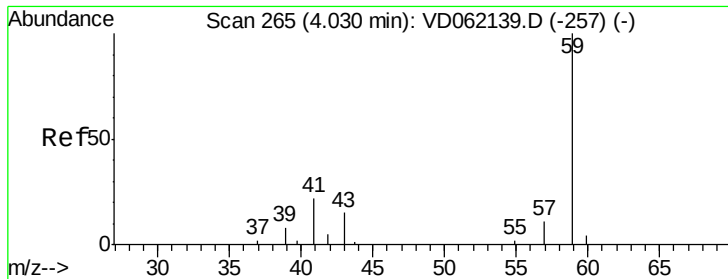
MMDadoda
5/15/2019 9:45:52 AM



#10
Methyl Iodide
Concen: 38.859 ug/l
RT: 3.31 min Scan# 192
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	295632		
127	74.3	38.8	58.2#	
141	16.0	11.4	17.0	





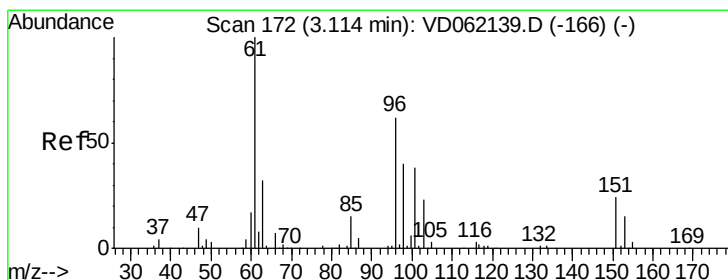
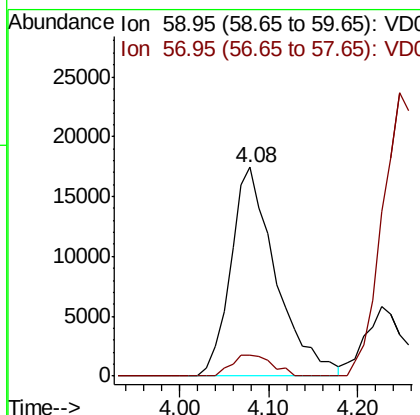
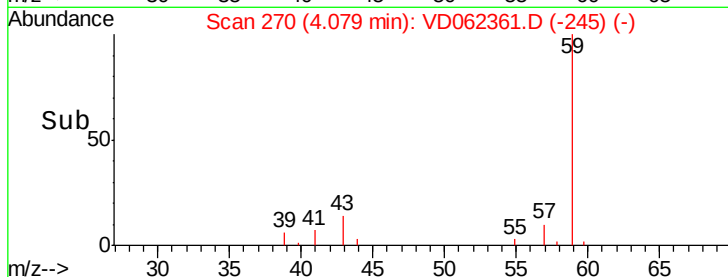
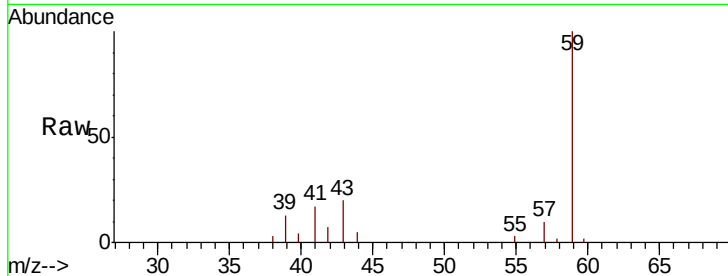
#11
Tert butyl alcohol
Concen: 256.154 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.05 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 61235
Ion Ratio Lower Upper
59 100
57 9.8 6.9 10.3

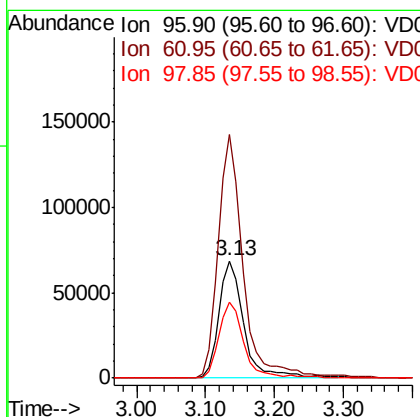
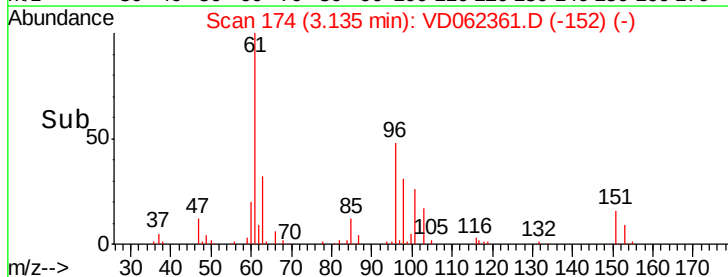
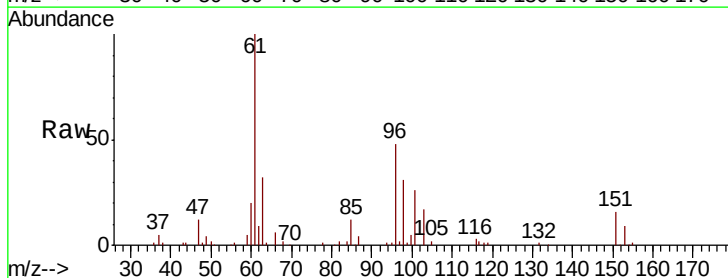
Manual Integrations
APPROVED

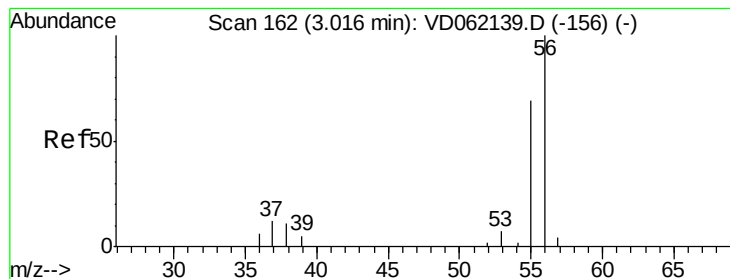
MMDadoda
5/15/2019 9:45:52 AM



#12
1,1-Dichloroethene
Concen: 44.853 ug/l
RT: 3.13 min Scan# 174
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 96 Resp: 172350
Ion Ratio Lower Upper
96 100
61 207.3 129.8 194.8#
98 64.2 51.2 76.8





#13

Acrolein

Concen: 217.543 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 53789

Ion Ratio Lower Upper

56 100

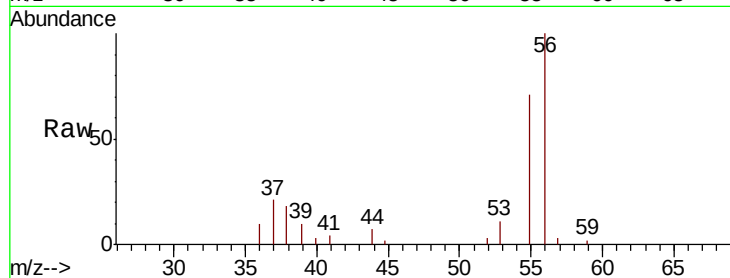
55 70.6 51.4 77.2

Manual Integrations

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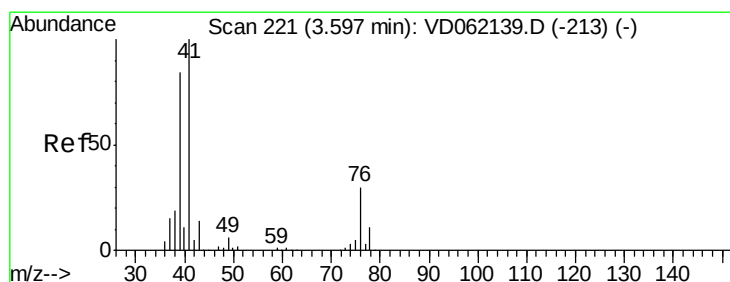
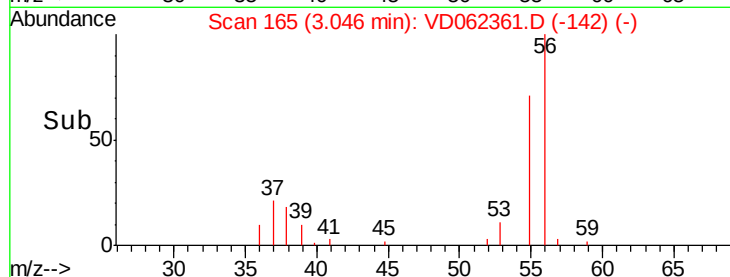
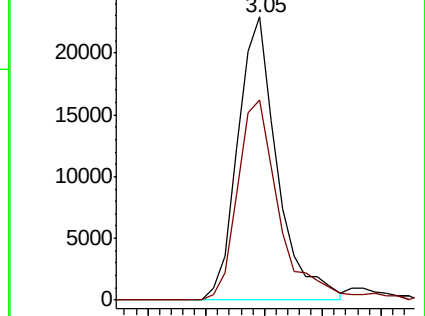
MMDadoda

5/15/2019 9:45:52 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.397 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

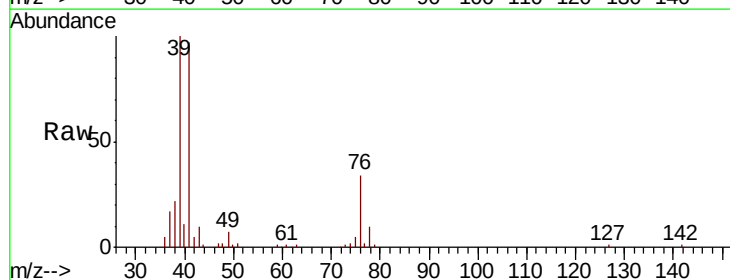
Tgt Ion: 41 Resp: 275981

Ion Ratio Lower Upper

41 100

39 102.8 60.5 90.7#

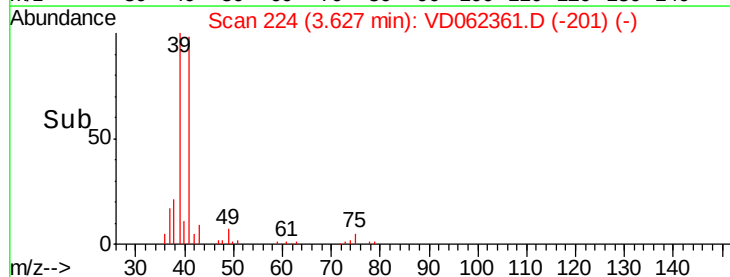
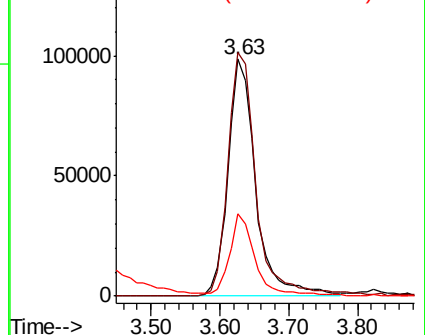
76 34.6 31.8 47.8

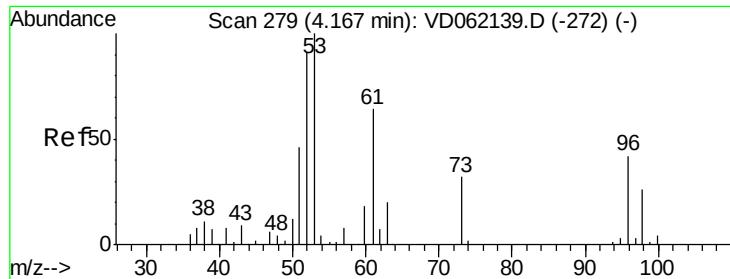


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





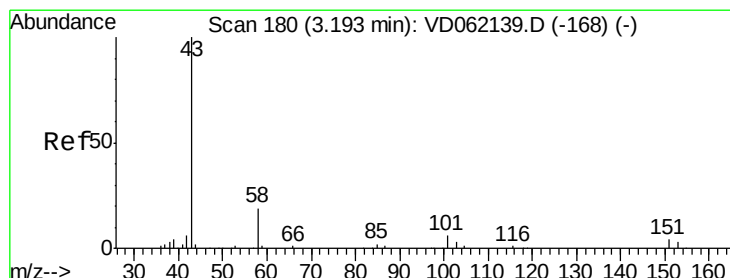
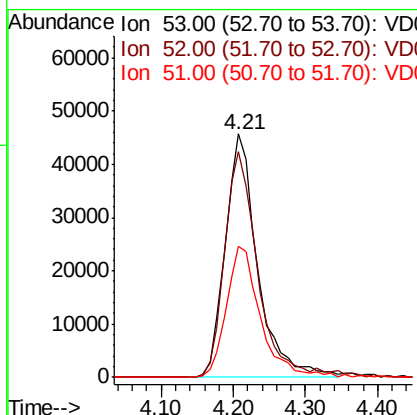
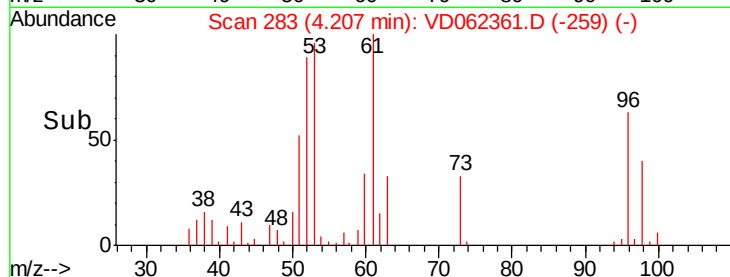
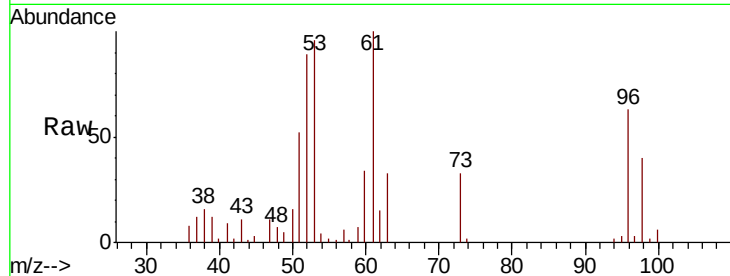
#15
 Acrylonitrile
 Concen: 227.580 ug/l
 RT: 4.21 min Scan# 283
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
53	100		
52	92.5	65.0	97.4
51	53.6	32.6	48.8

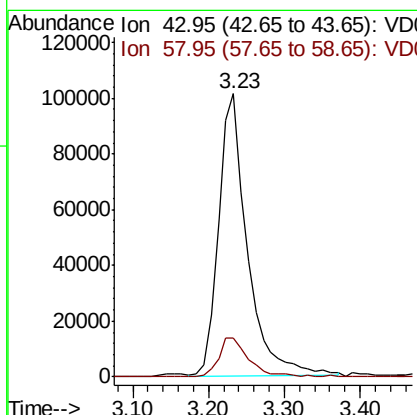
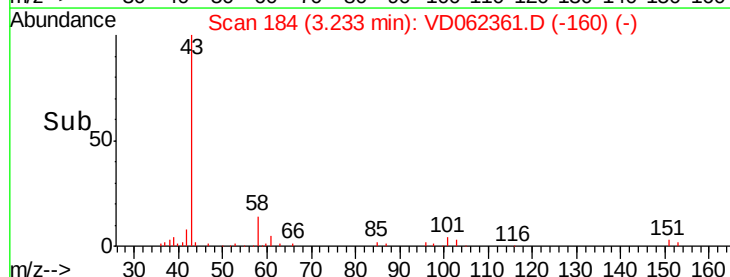
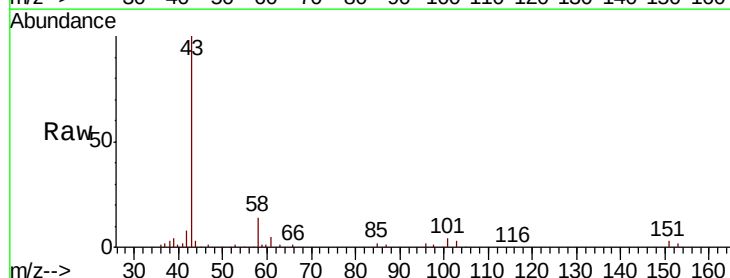
Manual Integrations
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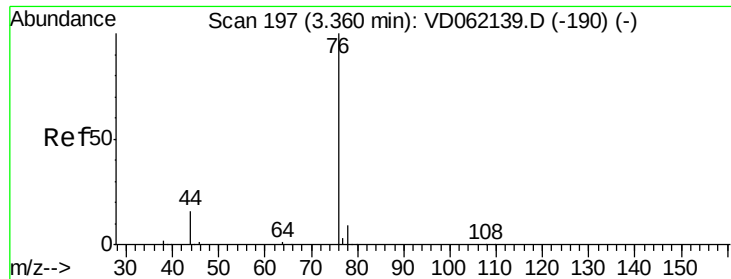
MMDadoda
 5/15/2019 9:45:52 AM



#16
 Acetone
 Concen: 269.958 ug/l
 RT: 3.23 min Scan# 184
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	13.6	19.9	29.9





#17

Carbon Disulfide

Concen: 41.326 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 456810

Ion Ratio Lower Upper

76 100

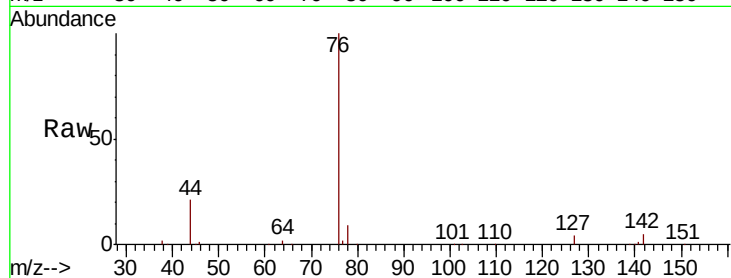
78 9.3 7.2 10.8

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

3.38

200000

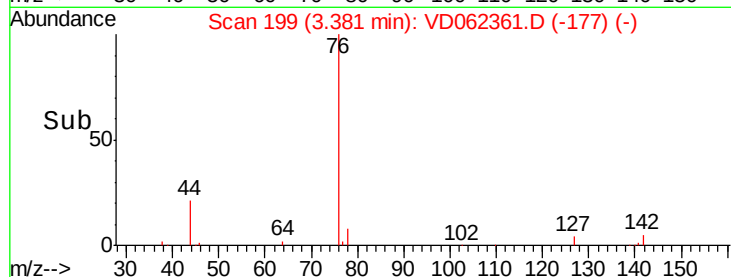
150000

100000

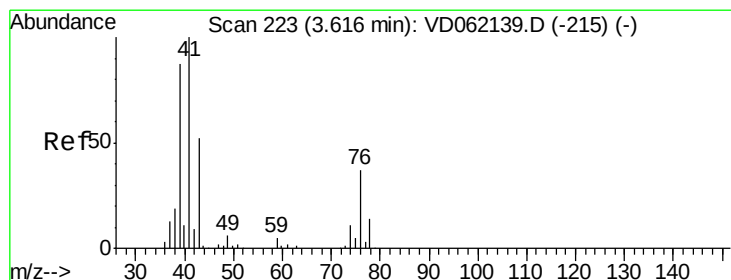
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 54.466 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD062361.D

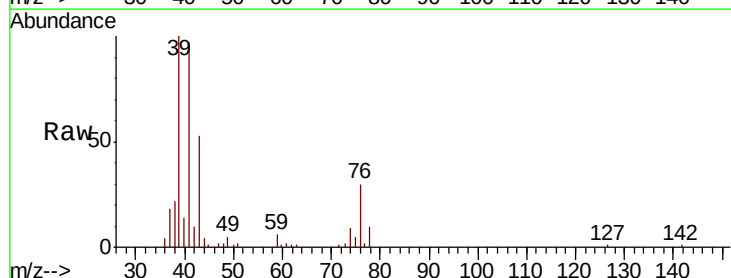
Acq: 14 May 2019 22:28

Tgt Ion: 43 Resp: 95623

Ion Ratio Lower Upper

43 100

74 17.1 18.0 27.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

40000

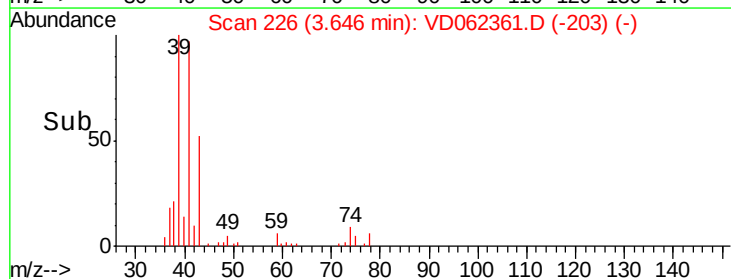
30000

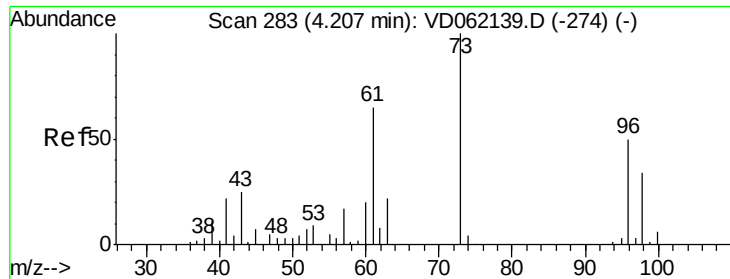
20000

10000

0

Time-->





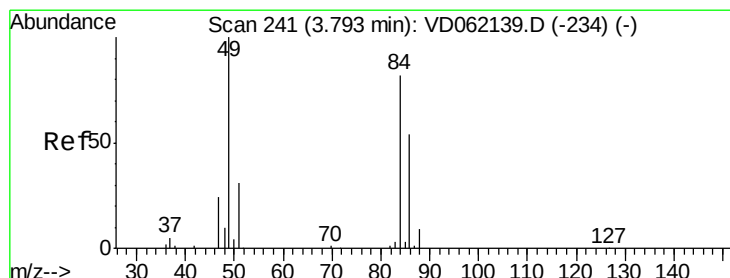
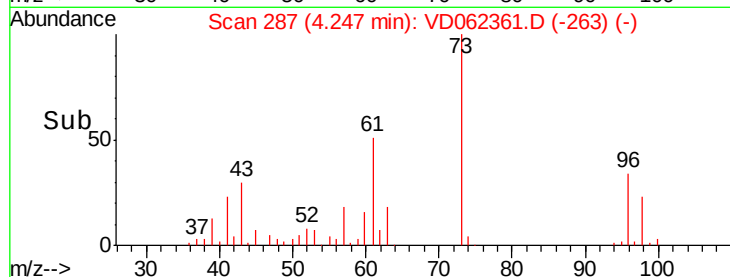
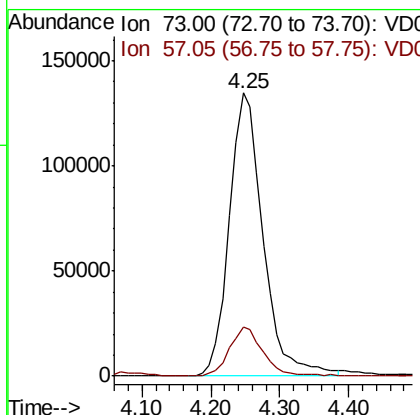
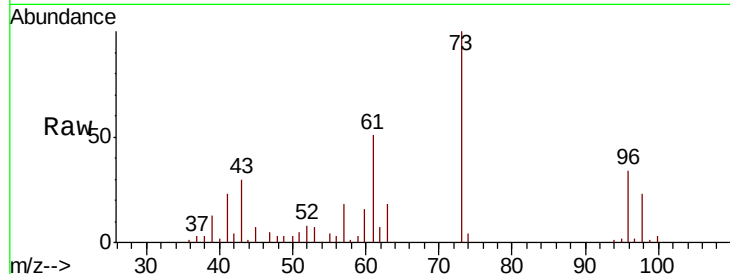
#19
Methyl tert-butyl Ether
Concen: 55.664 ug/l
RT: 4.25 min Scan# 287
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 458464
Ion Ratio Lower Upper
73 100
57 17.6 16.3 24.5

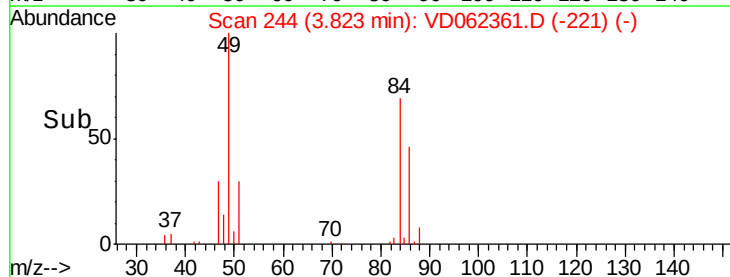
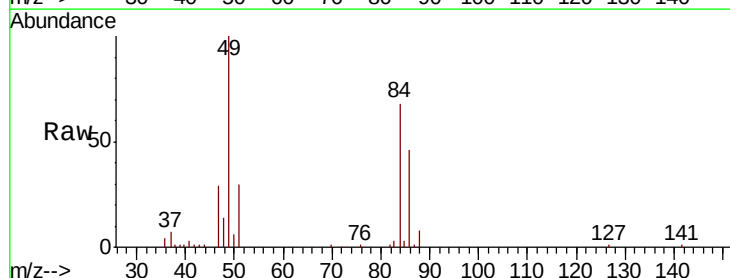
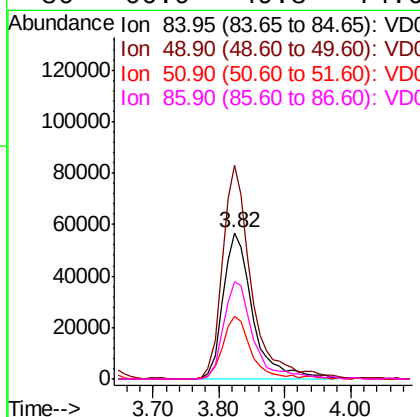
Manual Integrations
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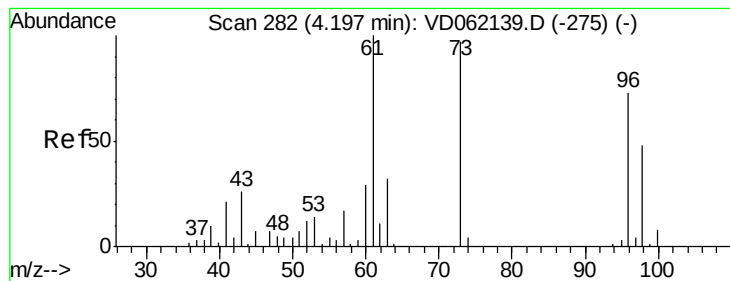
MMDadoda
5/15/2019 9:45:52 AM



#20
Methylene Chloride
Concen: 43.725 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 84 Resp: 179304
Ion Ratio Lower Upper
84 100
49 146.4 94.0 141.0#
51 43.3 29.0 43.4
86 66.9 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 48.325 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 206630

Ion Ratio Lower Upper

96 100

61 149.8 104.4 156.6

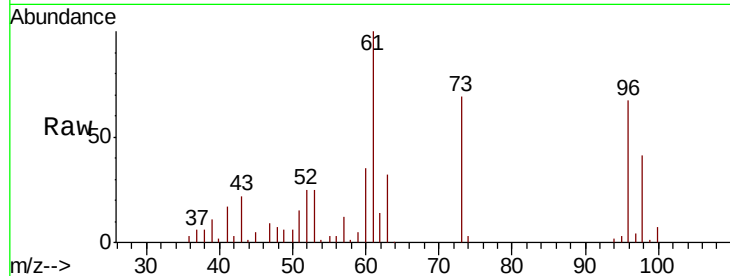
98 61.0 51.8 77.8

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

150000

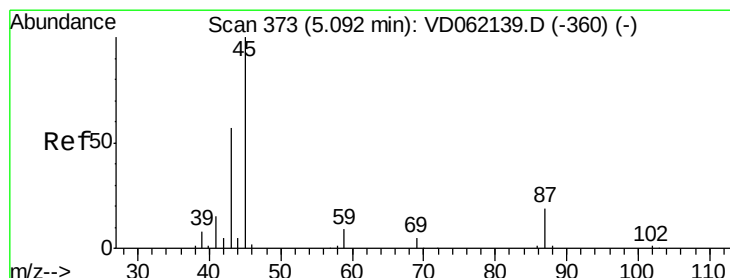
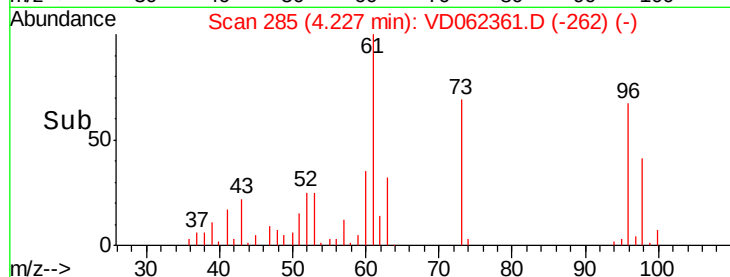
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#22

Diisopropyl ether

Concen: 51.900 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Tgt Ion: 45 Resp: 617042

Ion Ratio Lower Upper

45 100

43 70.1 46.2 69.2#

87 18.9 15.9 23.9

59 9.4 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

600000

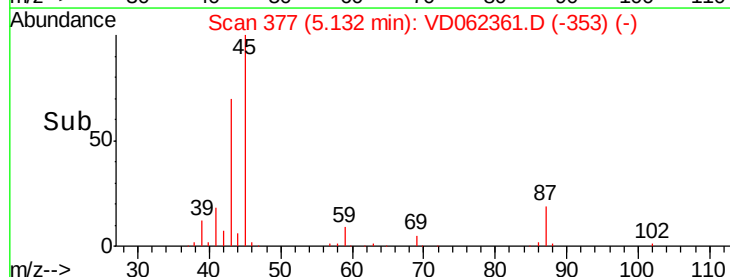
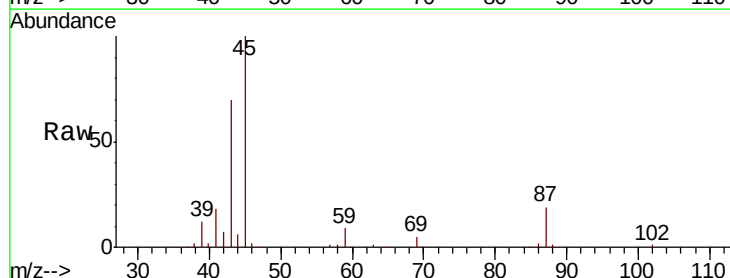
400000

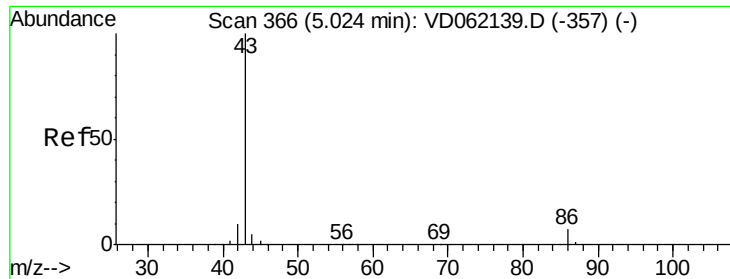
200000

0

4.90 5.00 5.10 5.20 5.30

Time-->





#23

Vinyl Acetate

Concen: 304.027 ug/l

RT: 5.07 min Scan# 371

Delta R.T. 0.05 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1907102

Ion Ratio Lower Upper

43 100

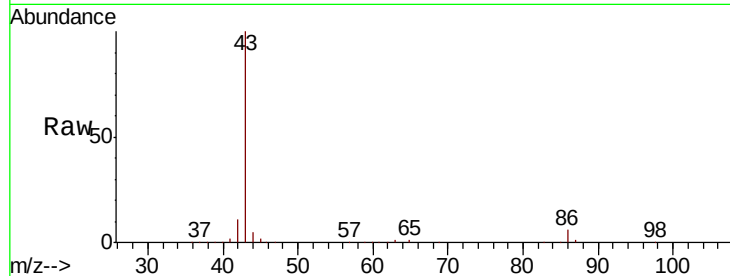
86 6.3 6.4 9.6#

Manual Integrations

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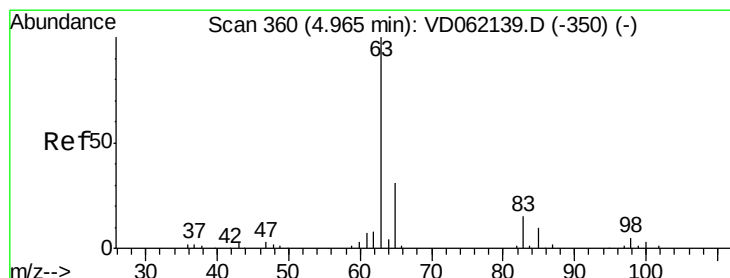
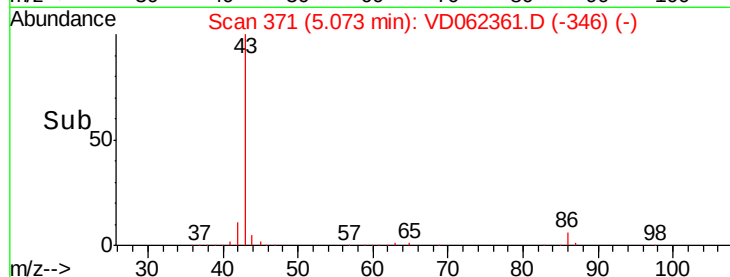
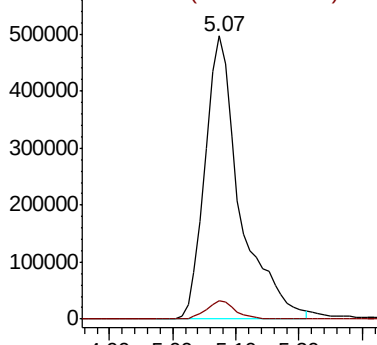
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.824 ug/l

RT: 4.99 min Scan# 363

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

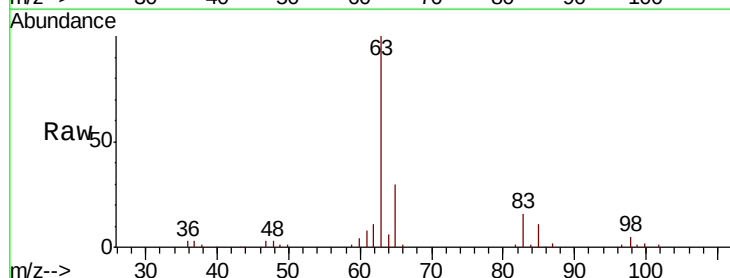
Tgt Ion: 63 Resp: 386042

Ion Ratio Lower Upper

63 100

98 4.6 2.8 8.4

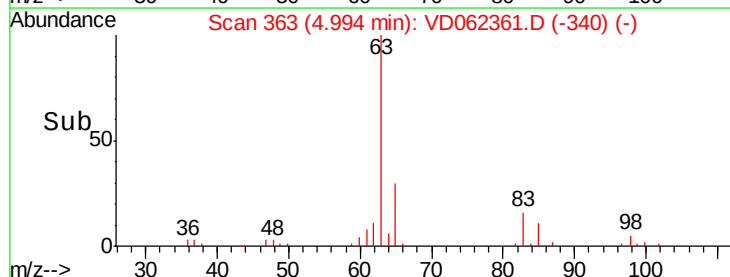
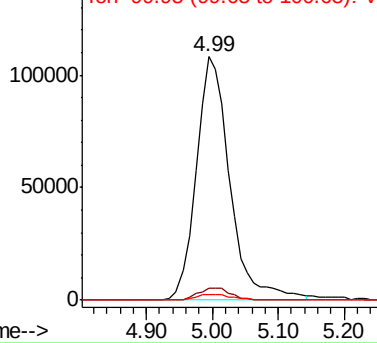
100 2.4 1.8 5.5

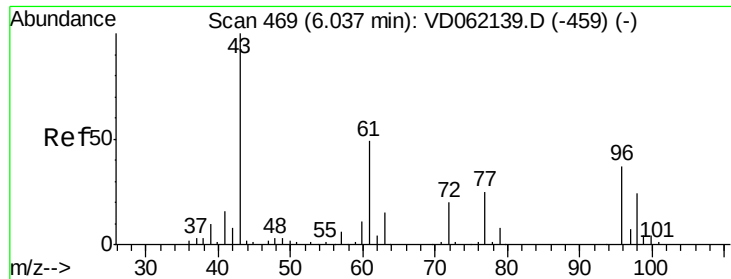


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 278.415 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.05 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 298258

Ion Ratio Lower Upper

43 100

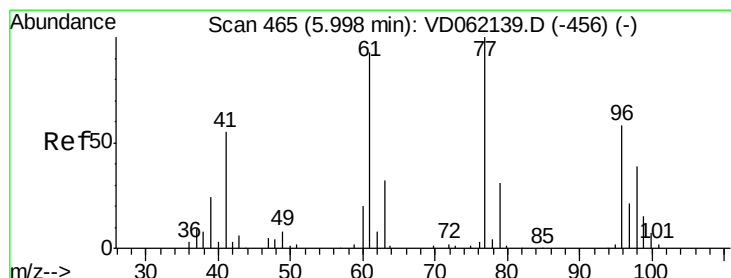
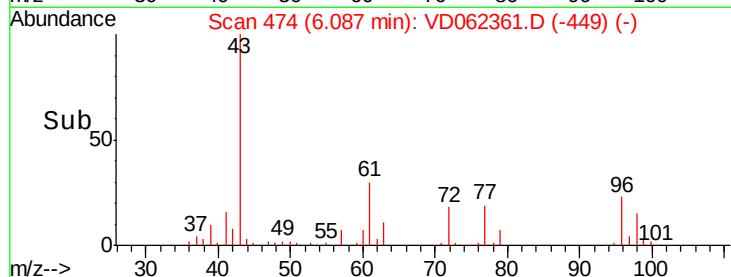
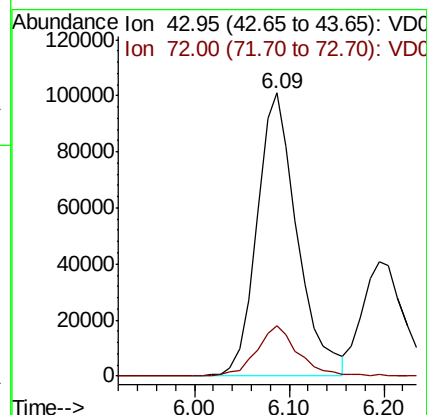
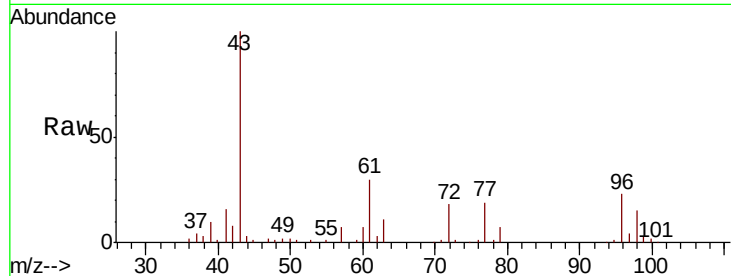
72 17.8 16.2 24.4

Manual Integrations

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5/15/2019 9:45:52 AM



#26

2,2-Dichloropropane

Concen: 60.015 ug/l

RT: 6.04 min Scan# 469

Delta R.T. 0.04 min

Lab File: VD062361.D

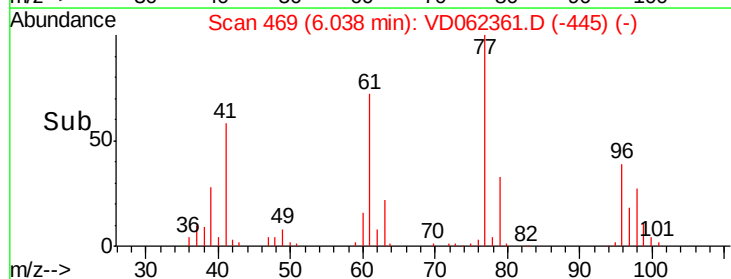
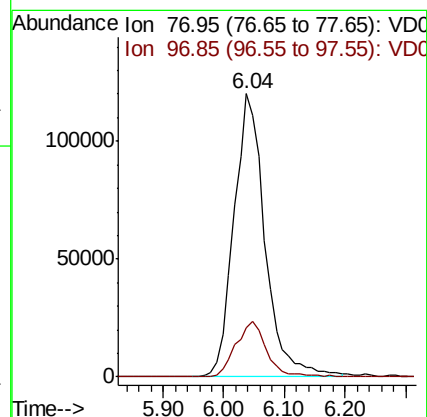
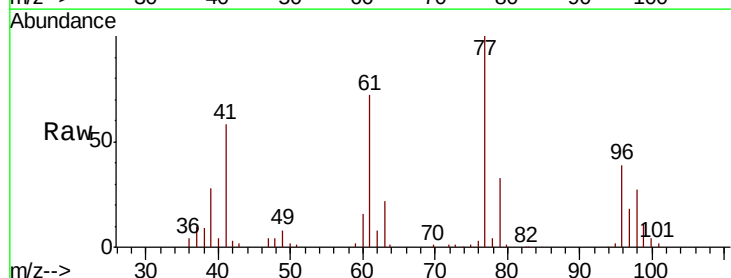
Acq: 14 May 2019 22:28

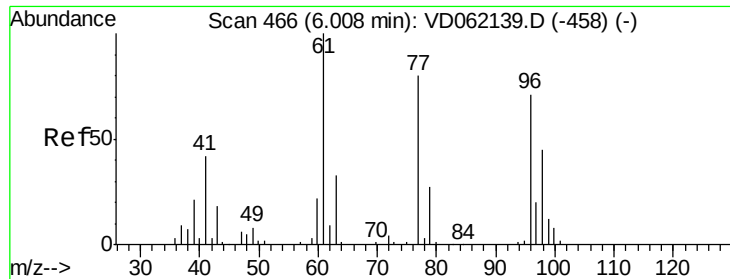
Tgt Ion: 77 Resp: 428769

Ion Ratio Lower Upper

77 100

97 17.5 11.9 35.9





#27

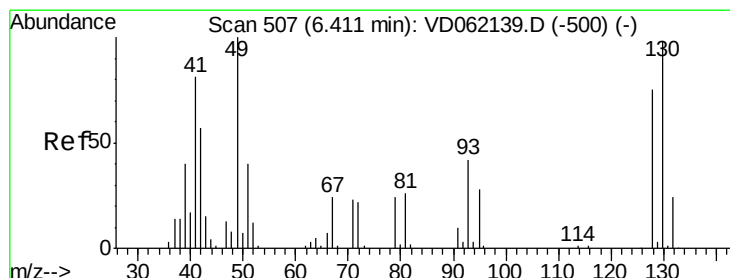
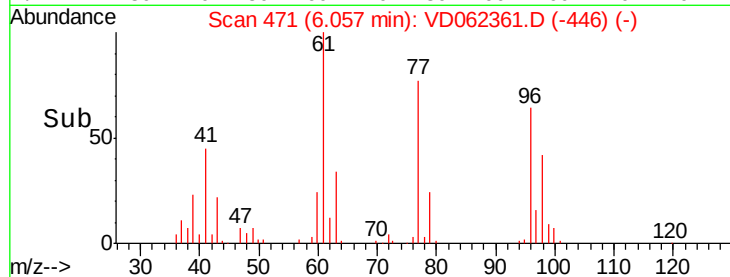
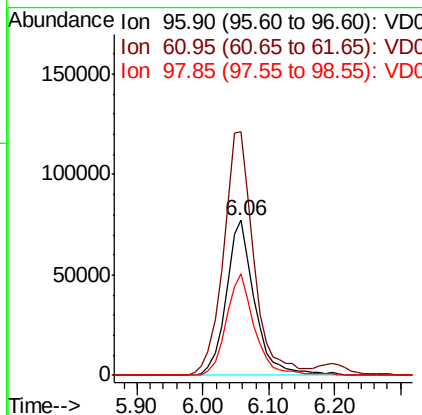
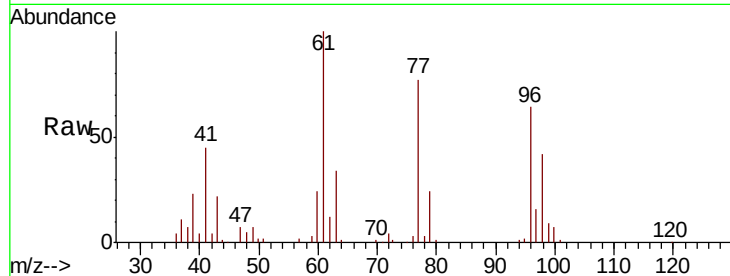
cis-1,2-Dichloroethene
Concen: 48.774 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.05 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	233436		
61	157.4	0.0	279.8	
98	65.4	0.0	136.0	

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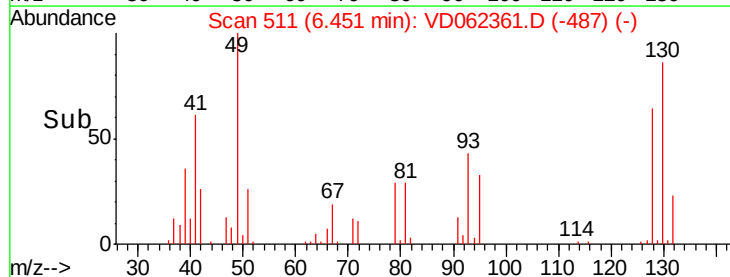
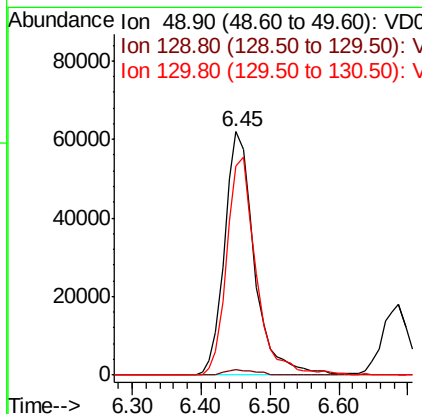
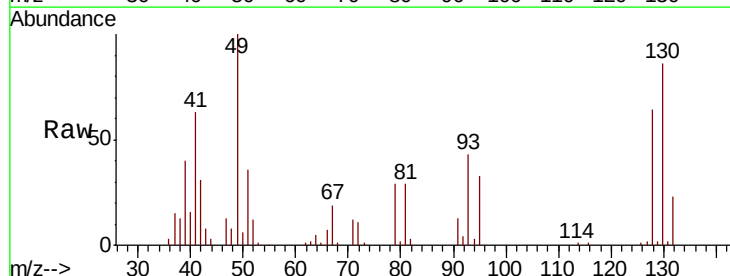
MMDadoda
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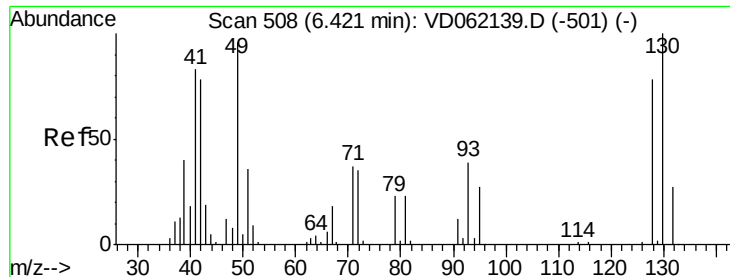


#28

Bromochloromethane
Concen: 65.726 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	6.6
130	85.7	86.7	130.1#





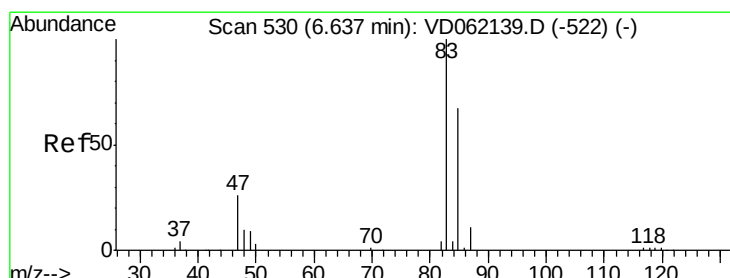
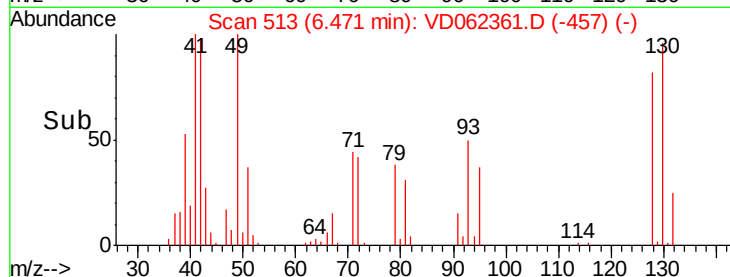
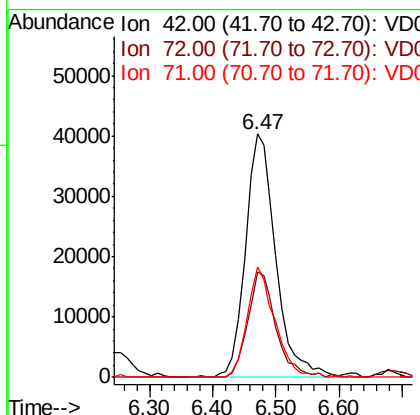
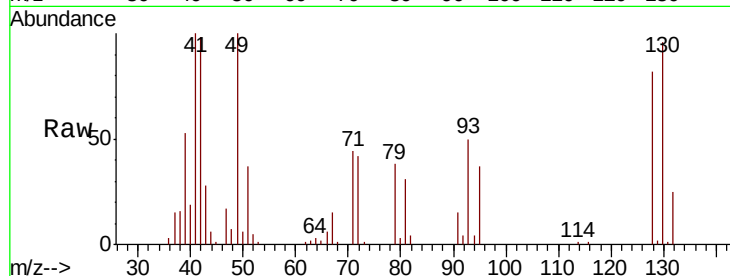
#29
Tetrahydrofuran
Concen: 272.817 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.3	37.8	56.6
71	41.2	36.7	55.1

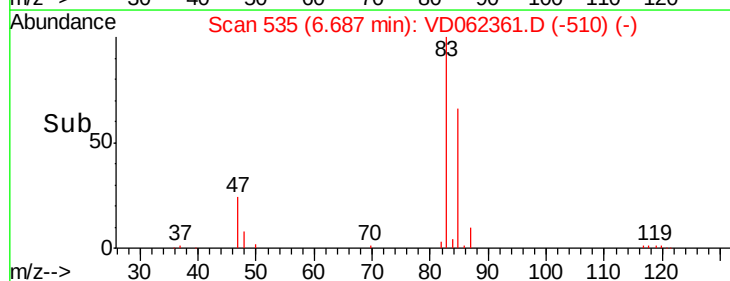
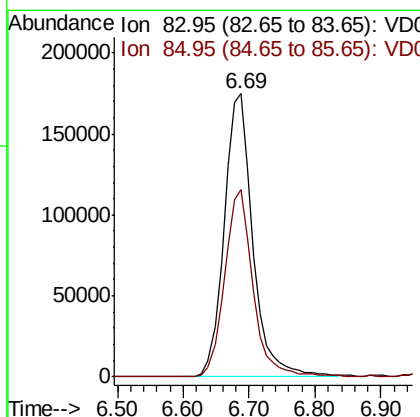
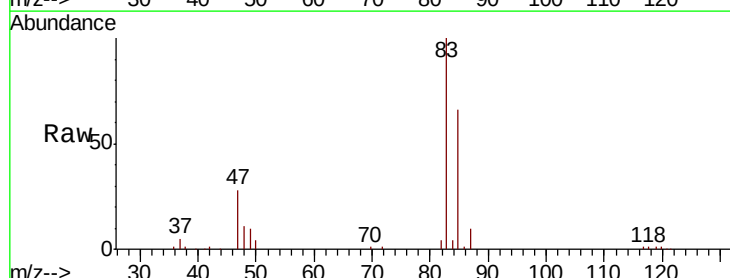
Manual Integrations
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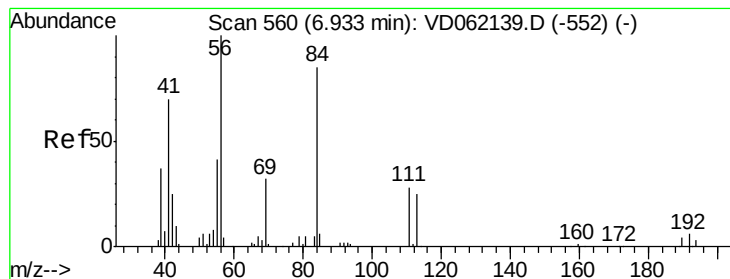
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#30
Chloroform
Concen: 61.408 ug/l
RT: 6.69 min Scan# 535
Delta R.T. 0.05 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.7	77.5





#31

Cyclohexane

Concen: 45.126 ug/l

RT: 6.97 min Scan# 564

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

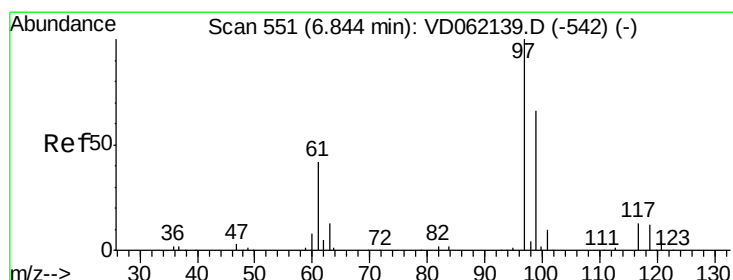
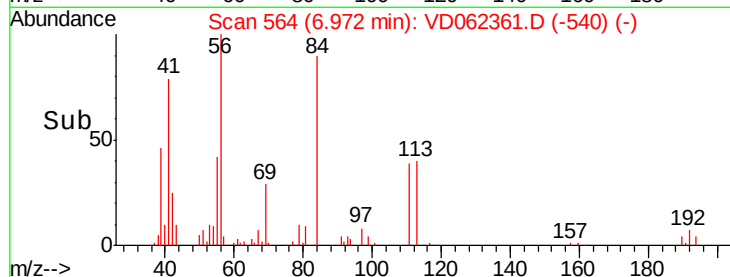
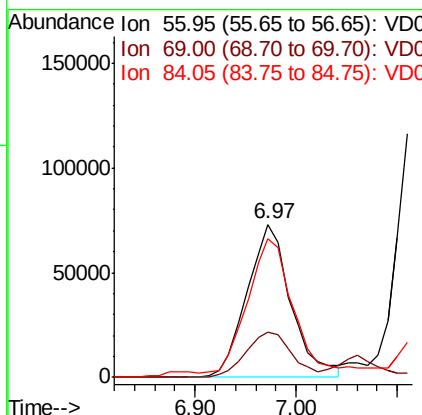
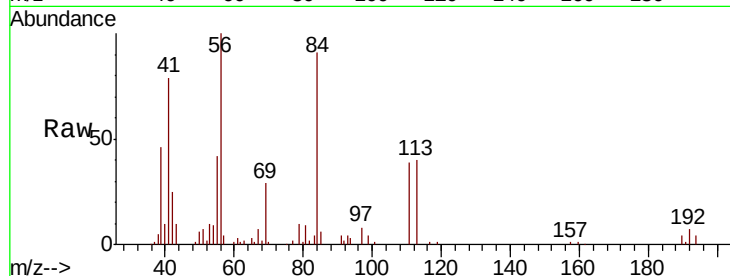
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	221738
Ion	Ratio	Lower	Upper
56	100		
69	29.4	25.8	38.6
84	90.8	72.2	108.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 67.410 ug/l

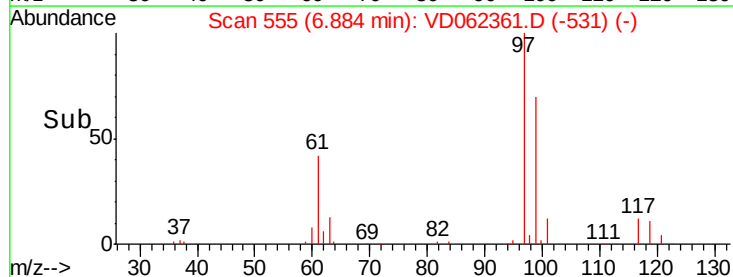
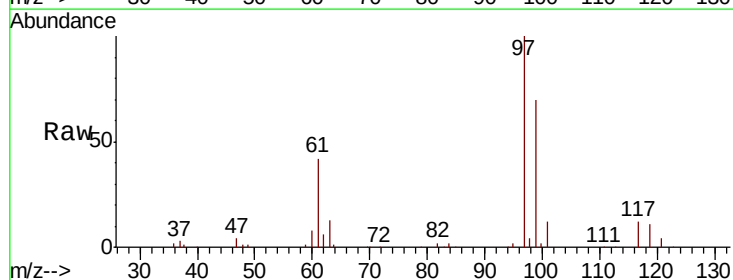
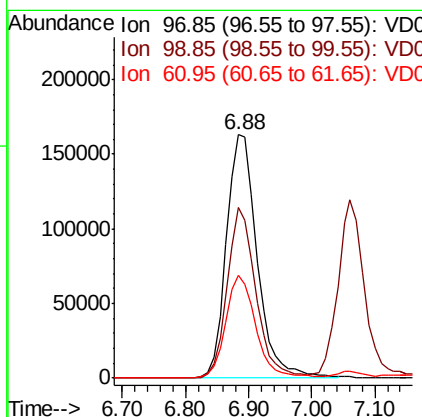
RT: 6.88 min Scan# 555

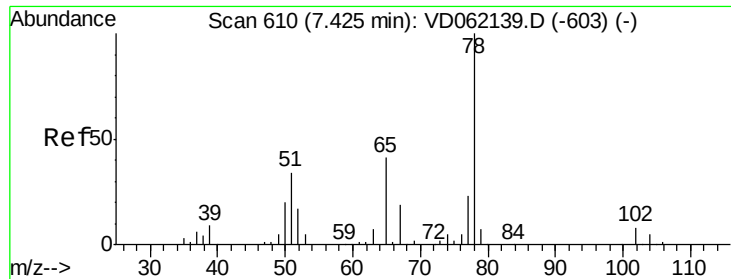
Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Tgt Ion:	97	Resp:	550739
Ion	Ratio	Lower	Upper
97	100		
99	70.1	52.2	78.2
61	42.4	32.4	48.6





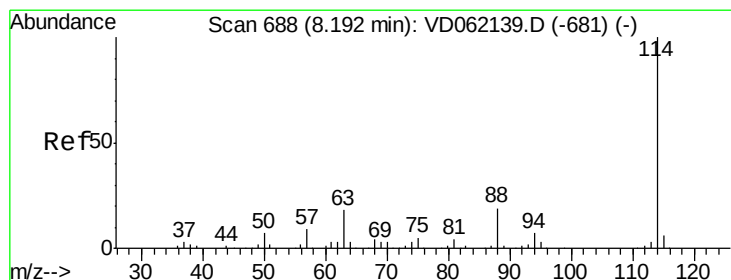
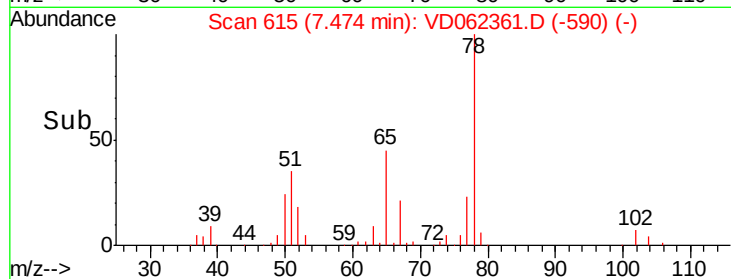
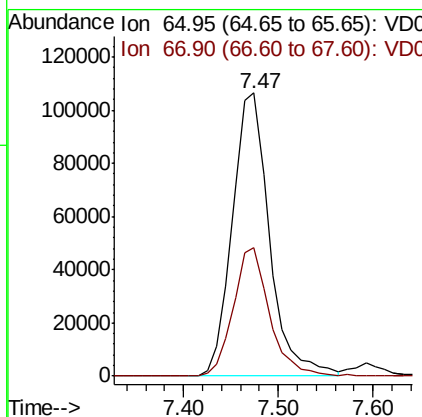
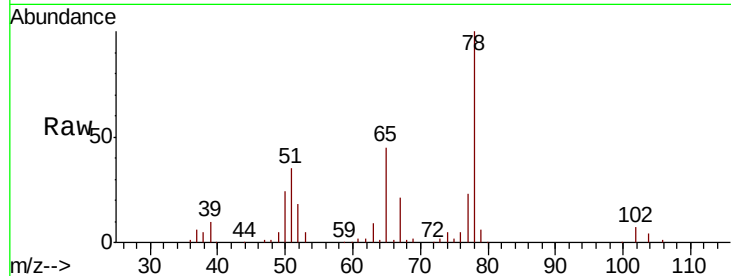
#33
 1,2-Dichloroethane-d4
 Concen: 61.814 ug/l
 RT: 7.47 min Scan# 615
 Delta R.T. 0.05 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 289490
 Ion Ratio Lower Upper
 65 100
 67 45.5 0.0 98.0

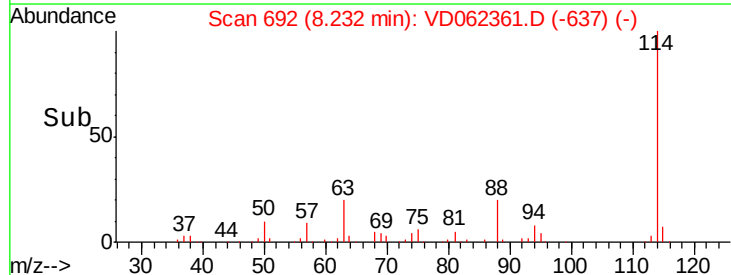
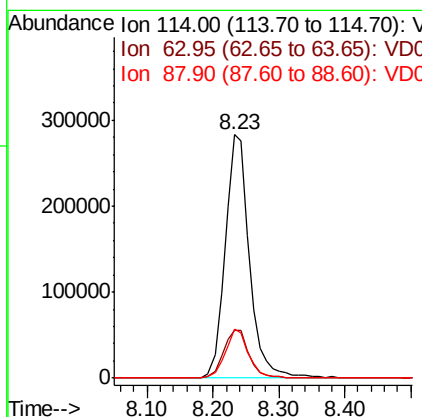
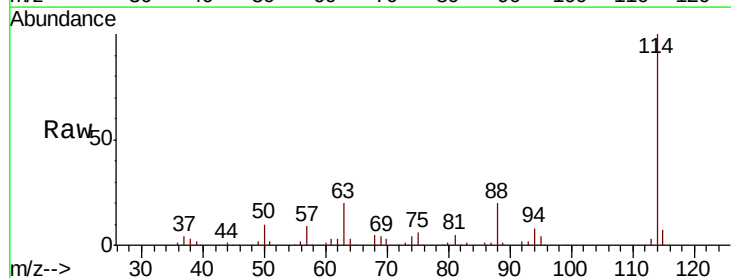
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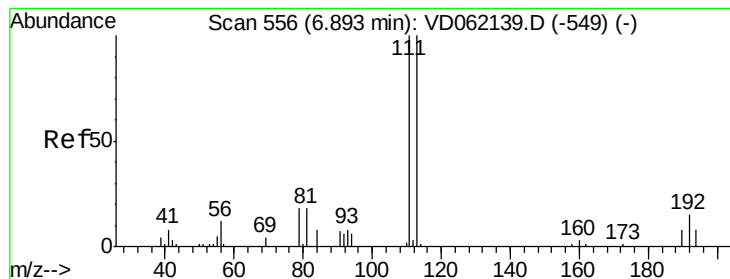
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 114 Resp: 728542
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 32.4
 88 20.1 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.977 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.05 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

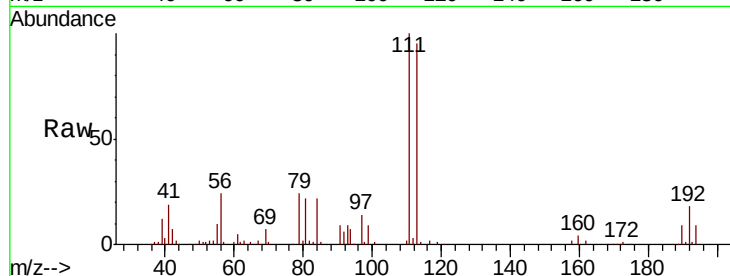
ClientSampleId :

VSTDCCC050

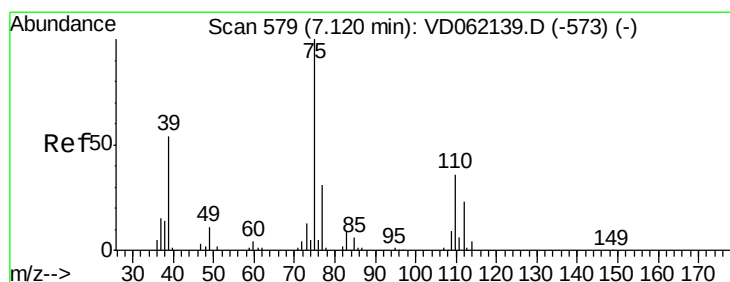
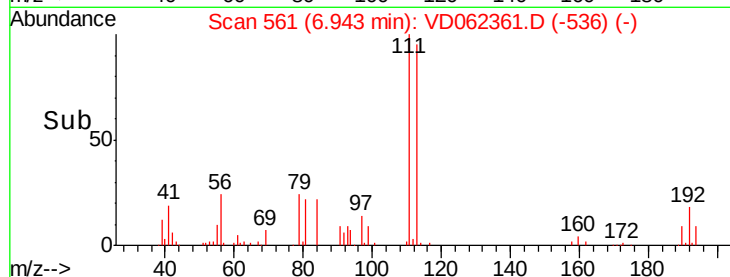
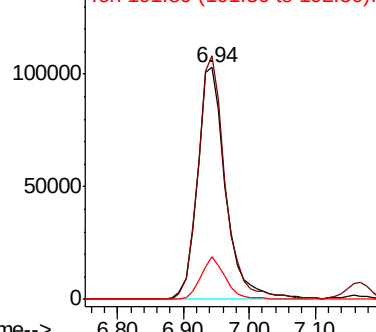
Tgt Ion:	113	Resp:	308148
Ion Ratio	Lower	Upper	
113	100		
111	105.0	78.5	117.7
192	18.5	13.0	19.4

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Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 58.530 ug/l

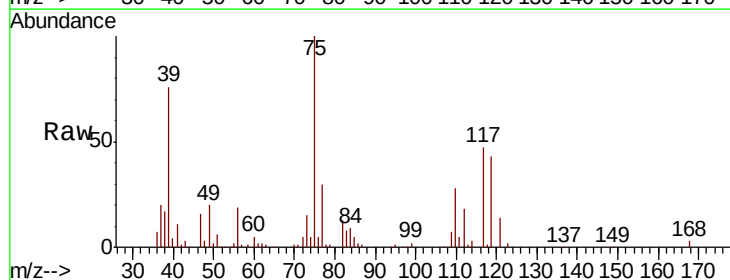
RT: 7.16 min Scan# 583

Delta R.T. 0.04 min

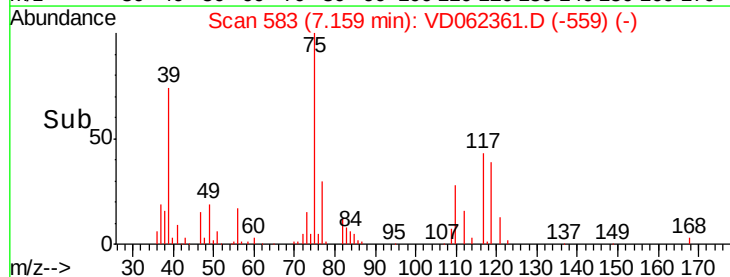
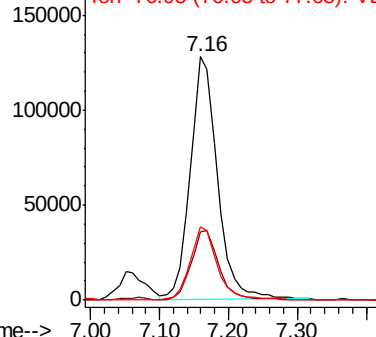
Lab File: VD062361.D

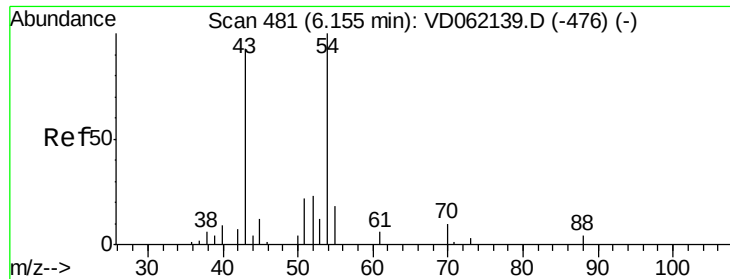
Acq: 14 May 2019 22:28

Tgt Ion:	75	Resp:	349622
Ion Ratio	Lower	Upper	
75	100		
110	28.3	19.1	57.1
77	30.0	25.6	38.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): V





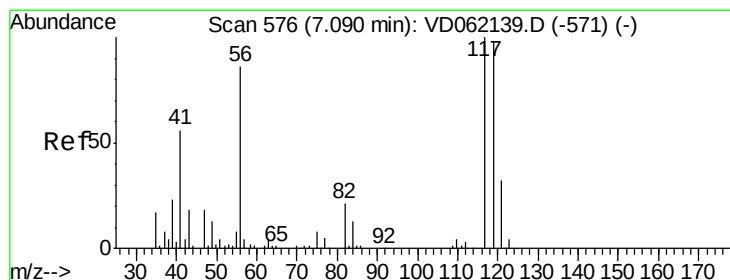
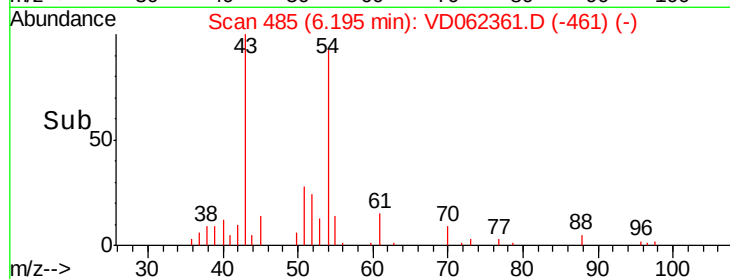
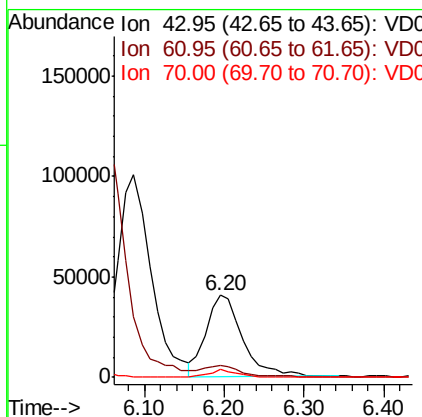
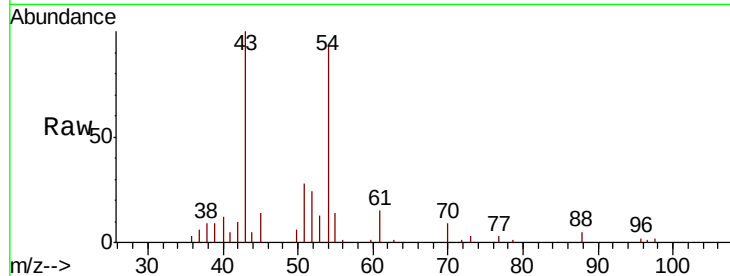
#37
Ethyl Acetate
Concen: 50.596 ug/l
RT: 6.20 min Scan# 485
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	14.7	22.1
70	9.2	7.8	11.6

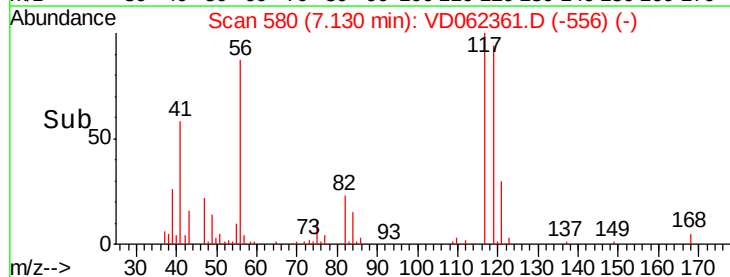
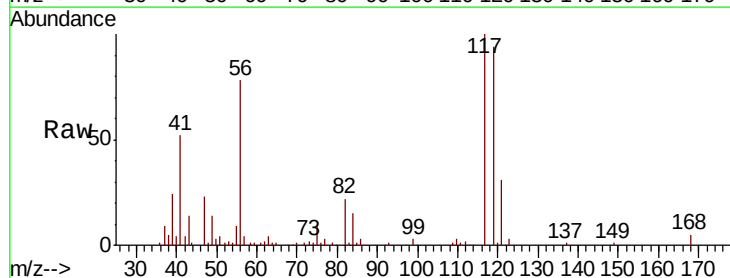
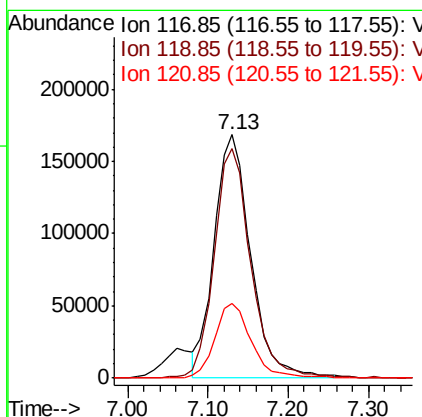
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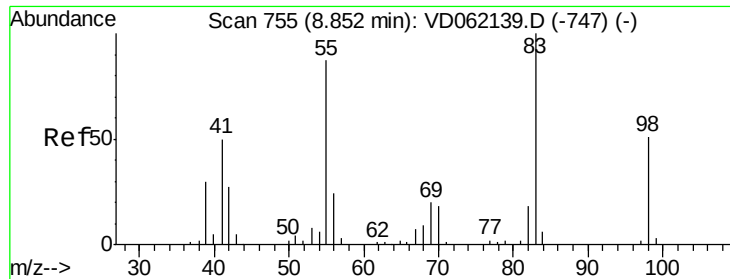
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#38
Carbon Tetrachloride
Concen: 64.899 ug/l m
RT: 7.13 min Scan# 580
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.8	113.8
121	30.6	25.9	38.9





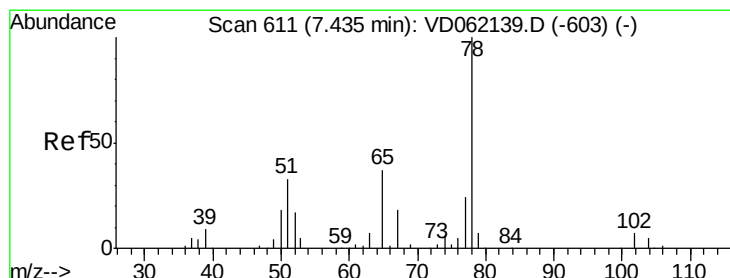
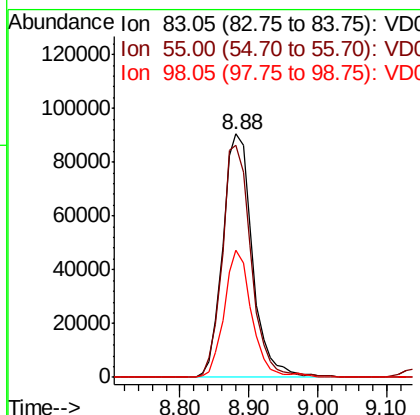
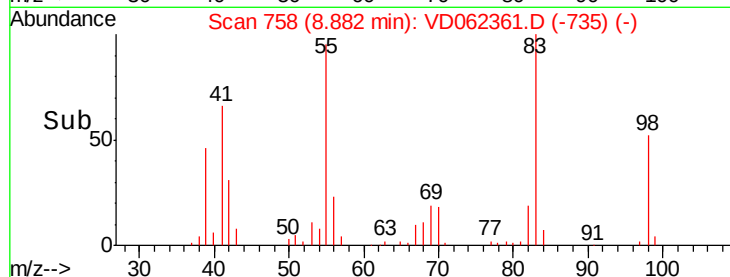
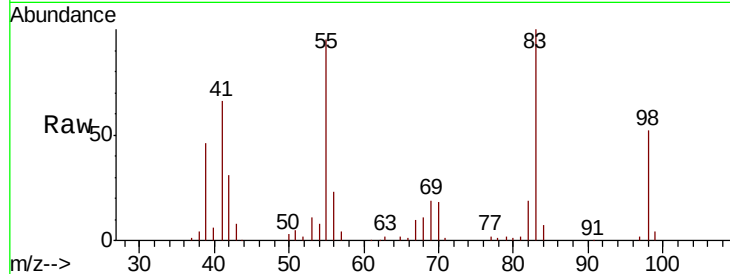
#39
Methylcyclohexane
Concen: 46.989 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	95.3	68.2	102.4
98	52.4	38.2	57.4

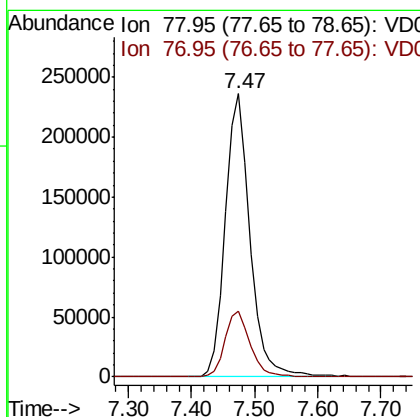
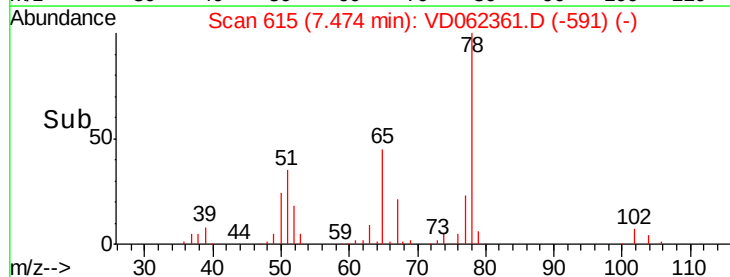
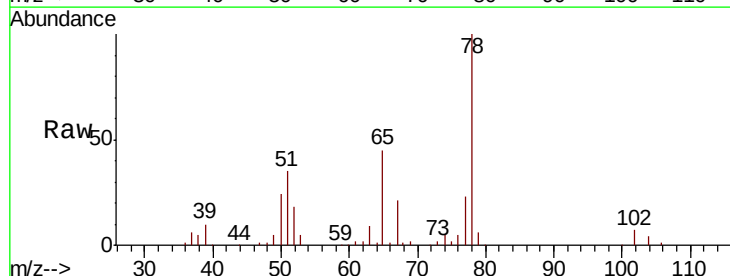
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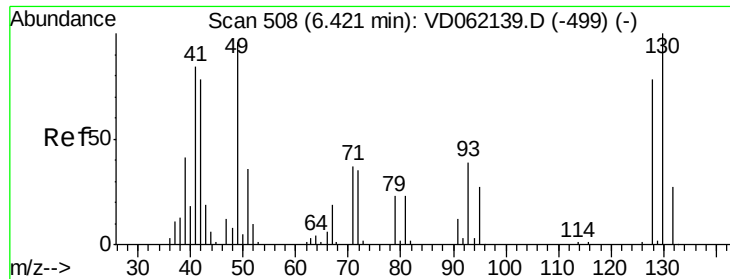
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#40
Benzene
Concen: 47.540 ug/l
RT: 7.47 min Scan# 615
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.7	29.5





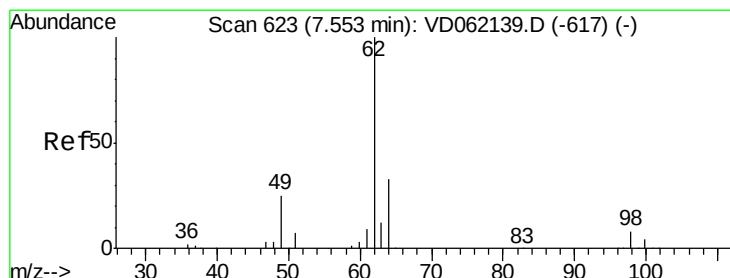
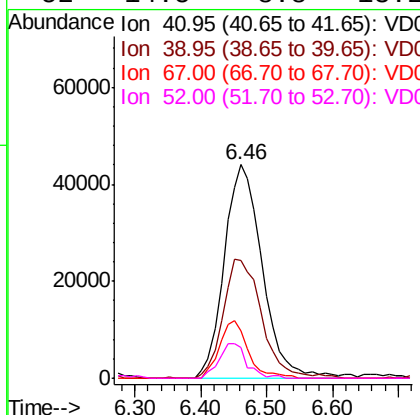
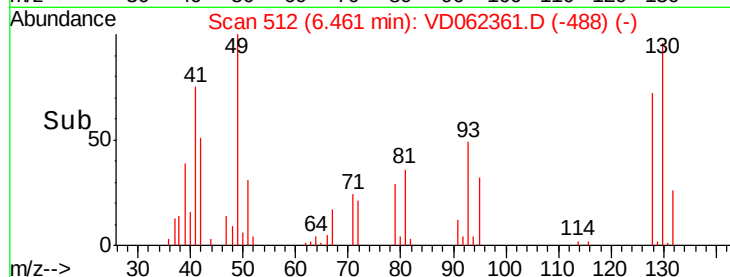
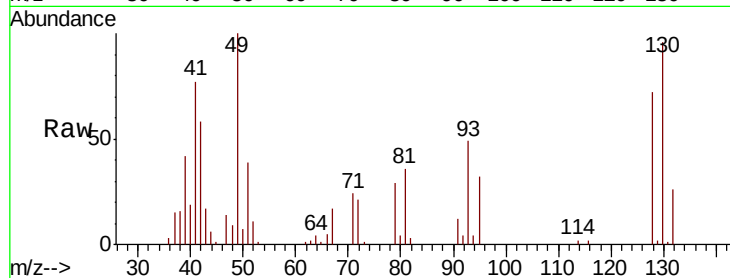
#41
Methacrylonitrile
Concen: 57.256 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.0	34.1	51.1#
67	22.1	23.8	35.6#
52	14.5	8.8	13.2#

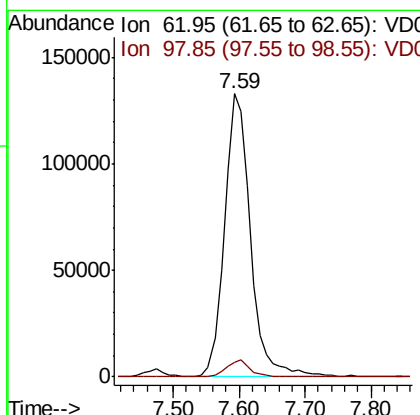
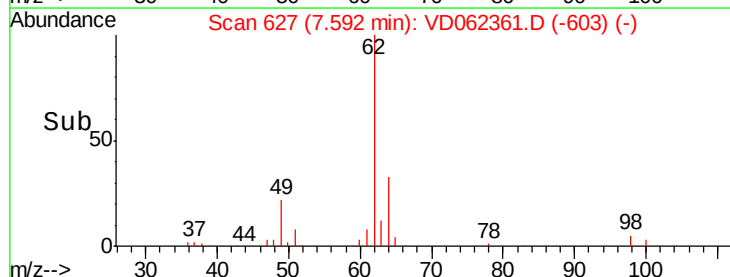
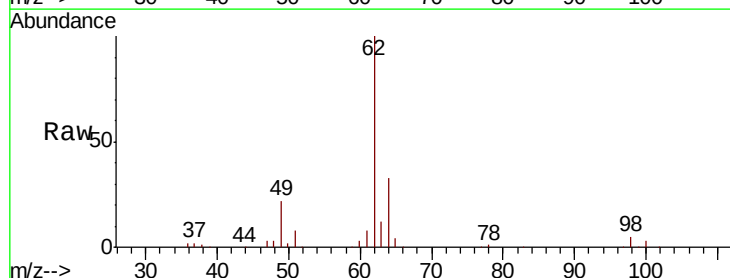
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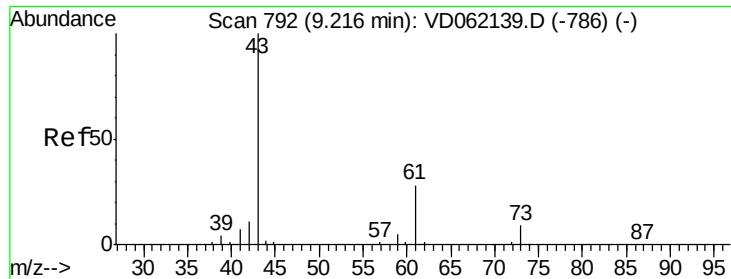
MMDadoda
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#42
1,2-Dichloroethane
Concen: 64.061 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.9	0.0	17.8





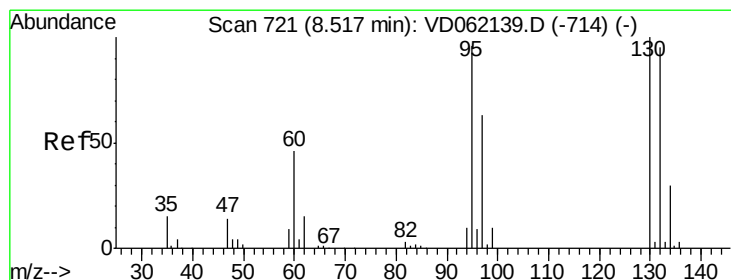
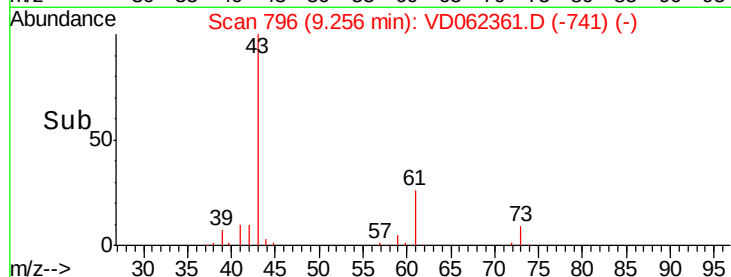
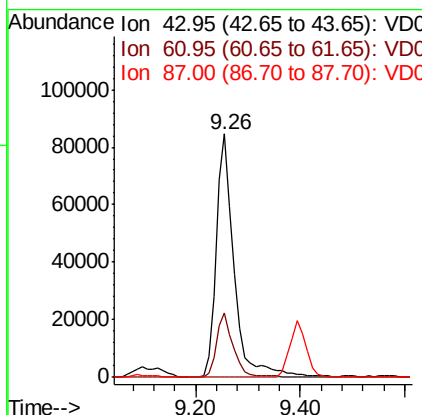
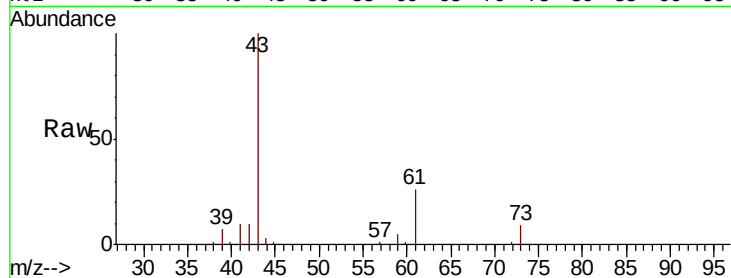
#43
Isopropyl Acetate
Concen: 56.032 ug/l
RT: 9.26 min Scan# 796
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.4	25.1	37.7
87	0.0	0.0	0.0

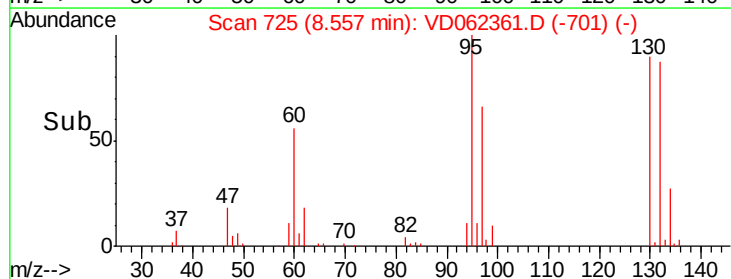
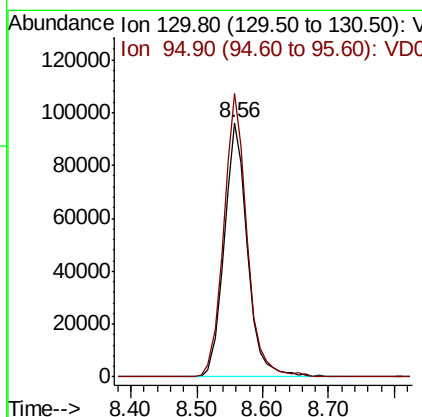
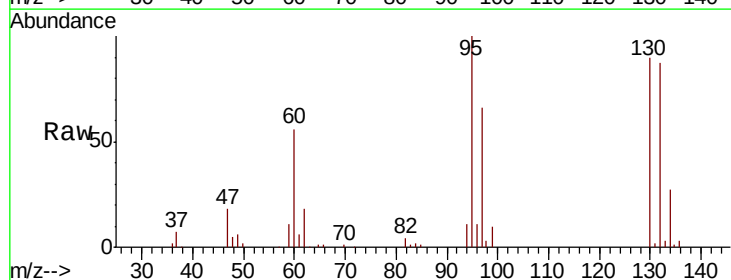
Manual Integrations
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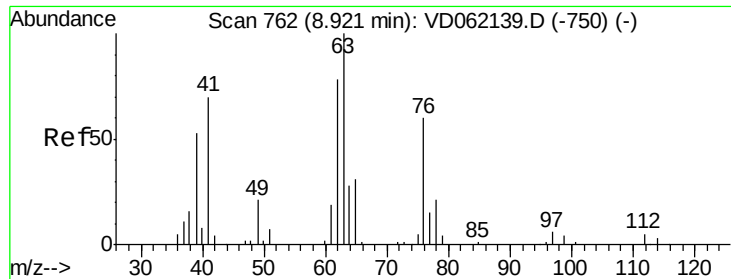
MMDadoda
5/15/2019 9:45:52 AM



#44
Trichloroethene
Concen: 46.267 ug/l
RT: 8.56 min Scan# 725
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.3	0.0	174.0





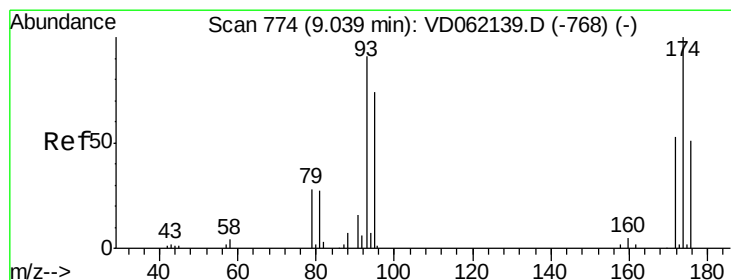
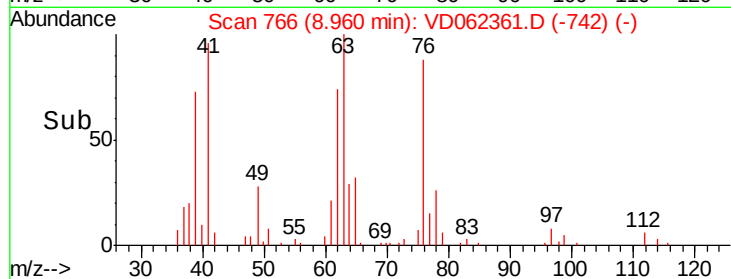
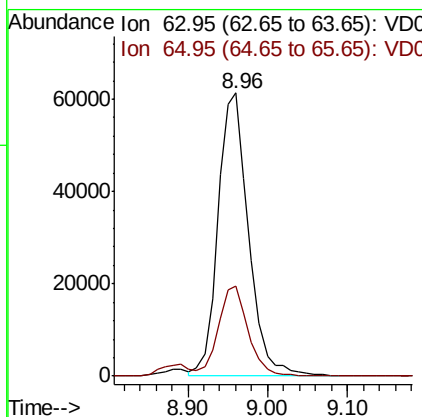
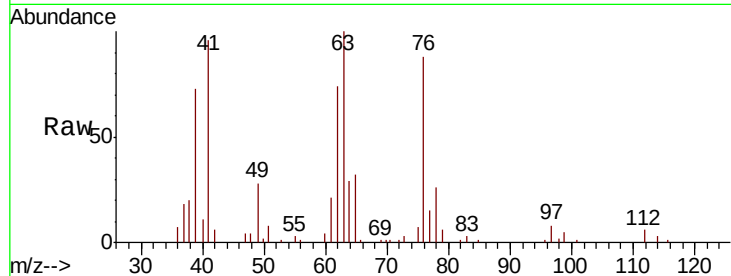
#45
 1,2-Dichloropropane
 Concen: 49.492 ug/l
 RT: 8.96 min Scan# 766
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 165125
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.8 35.6

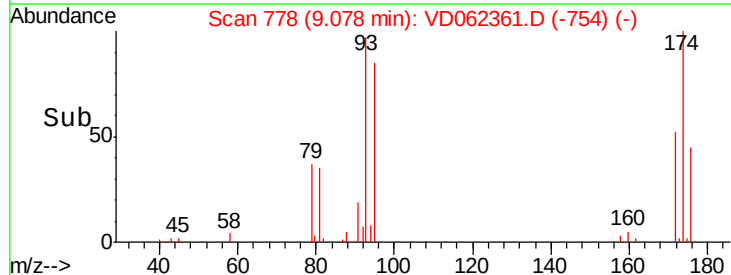
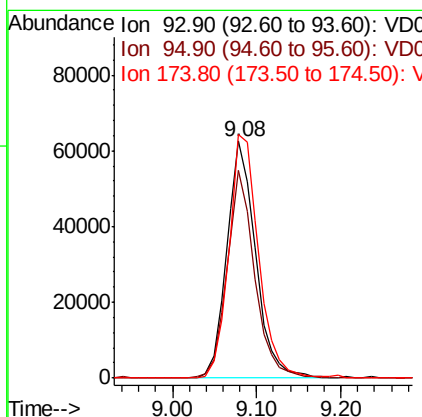
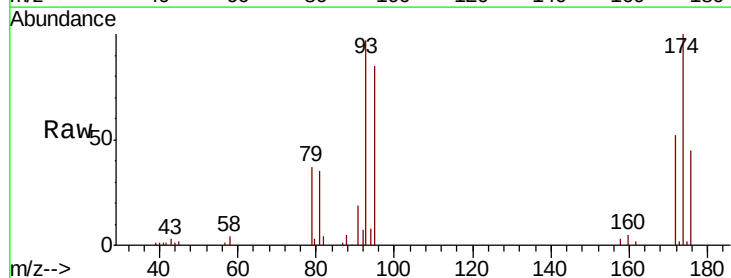
Manual Integrations
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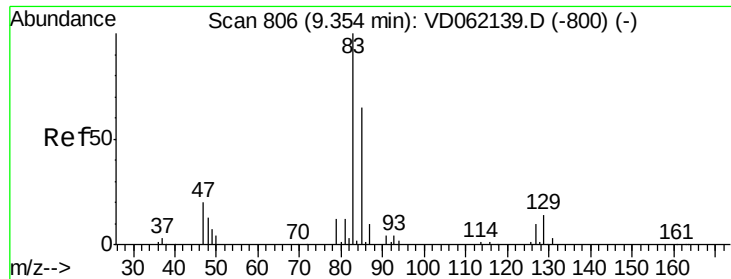
MMDadoda
 5/15/2019 9:45:52 AM



#46
 Dibromomethane
 Concen: 54.844 ug/l
 RT: 9.08 min Scan# 778
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 93 Resp: 148798
 Ion Ratio Lower Upper
 93 100
 95 87.6 64.8 97.2
 174 102.8 79.3 118.9





#47

Bromodichloromethane

Concen: 62.316 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

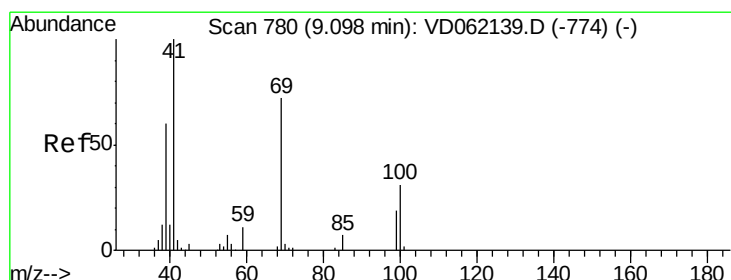
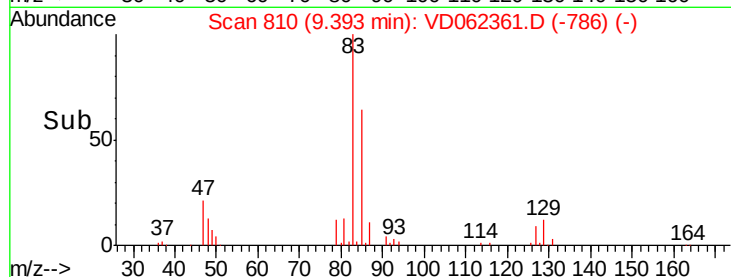
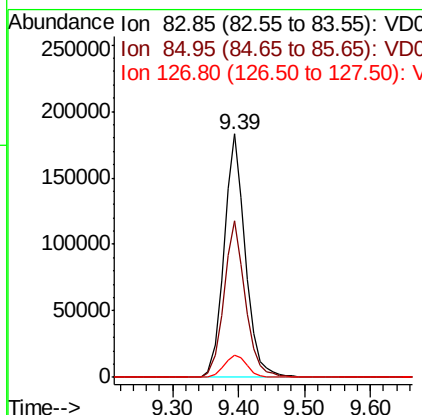
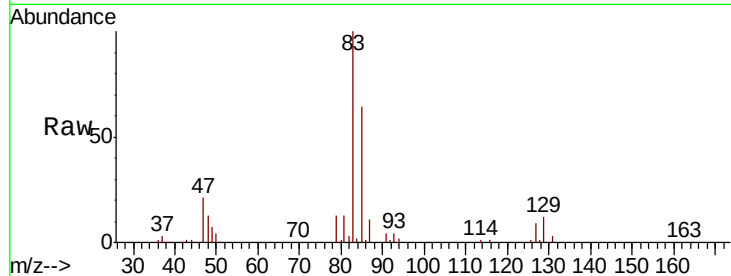
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	413554
Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.9	76.3
127	9.2	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.337 ug/l

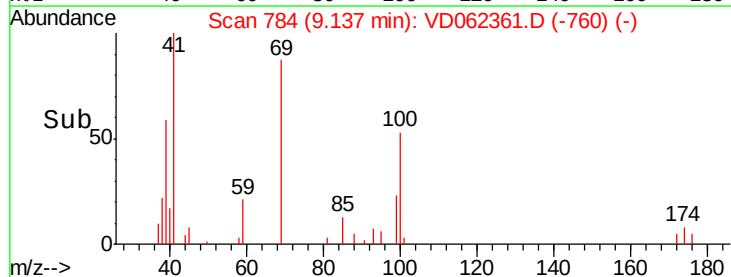
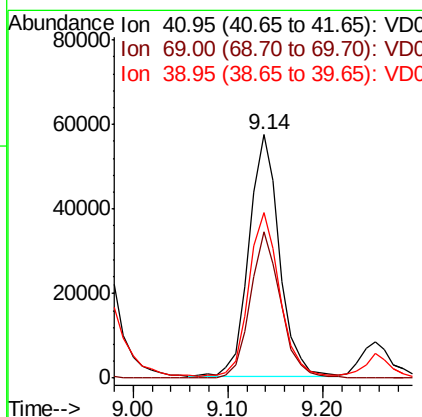
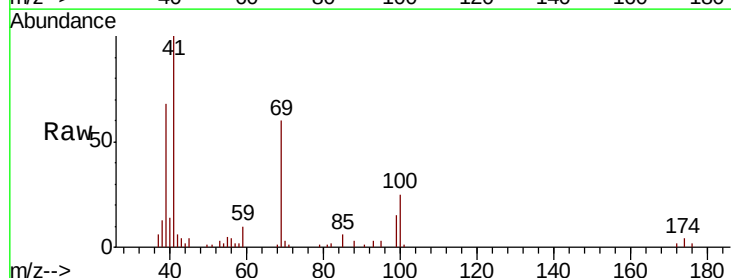
RT: 9.14 min Scan# 784

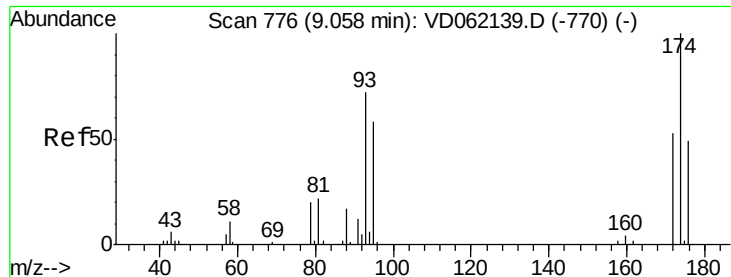
Delta R.T. 0.04 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Tgt Ion:	41	Resp:	126883
Ion	Ratio	Lower	Upper
41	100		
69	60.0	64.2	96.2#
39	68.1	46.8	70.2





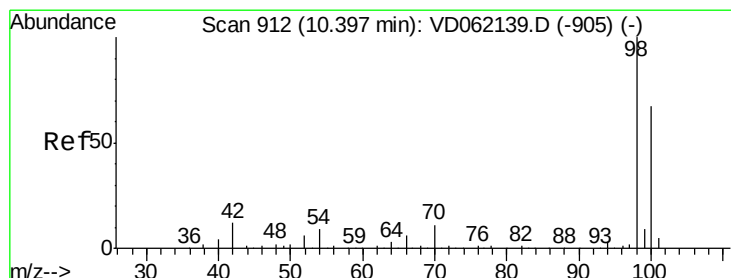
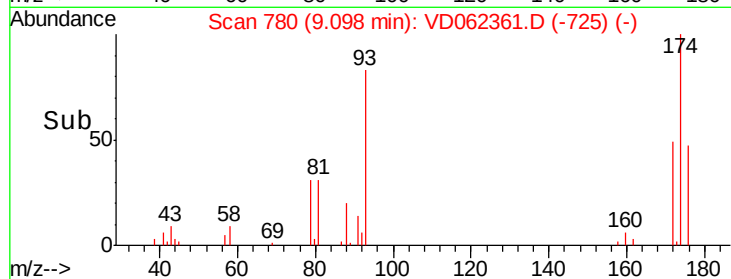
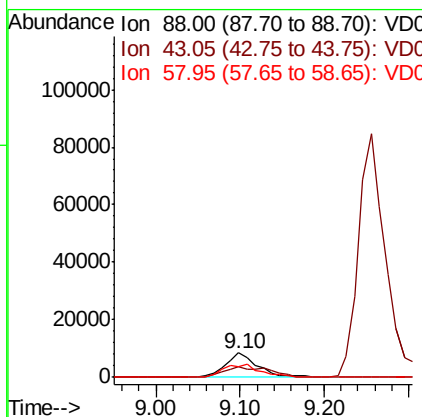
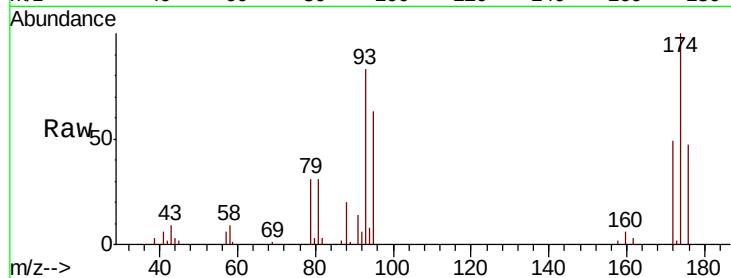
#49
1,4-Dioxane
Concen: 925.469 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	43.4	23.4	35.0#
58	43.7	44.0	66.0#

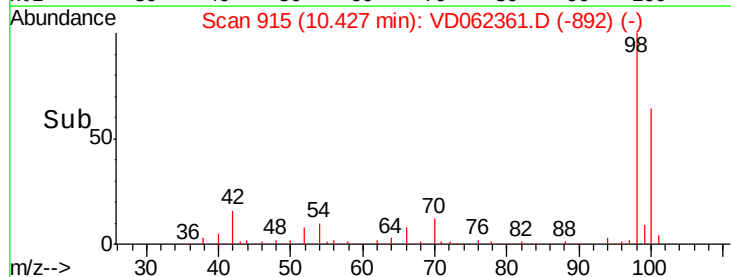
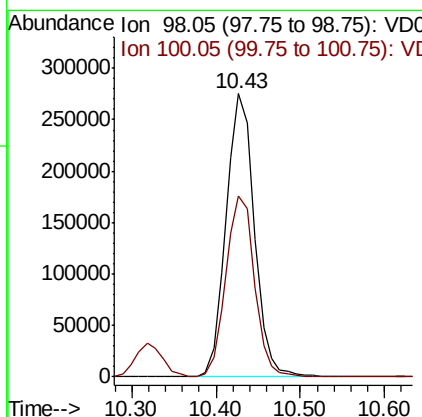
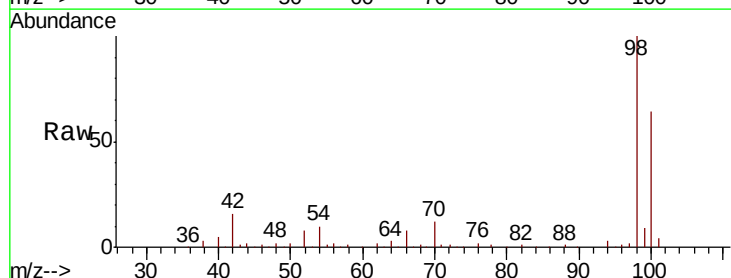
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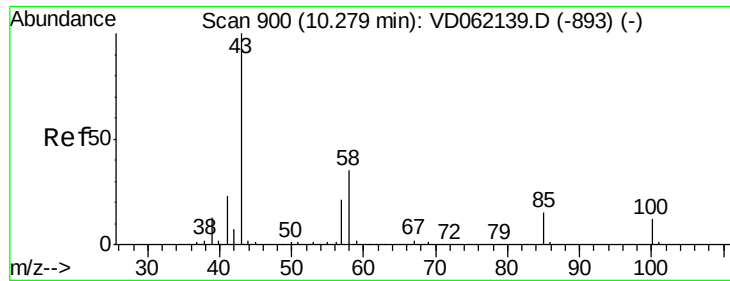
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#50
Toluene-d8
Concen: 44.039 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	53.8	80.8





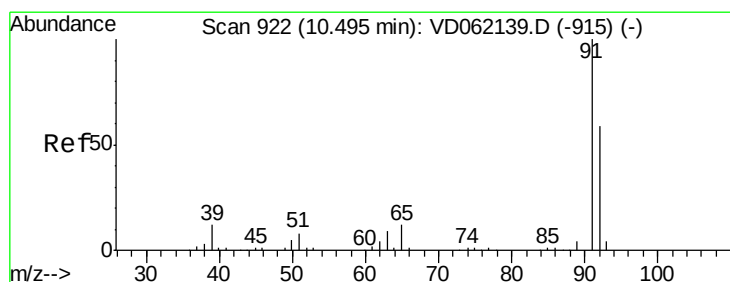
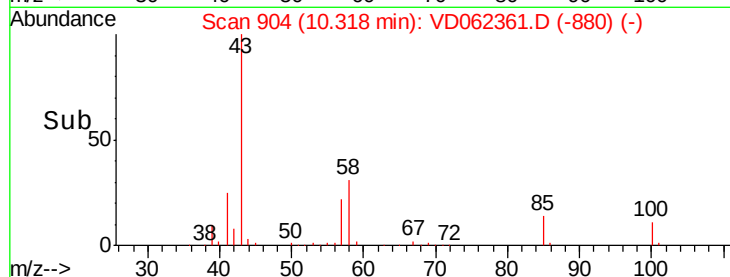
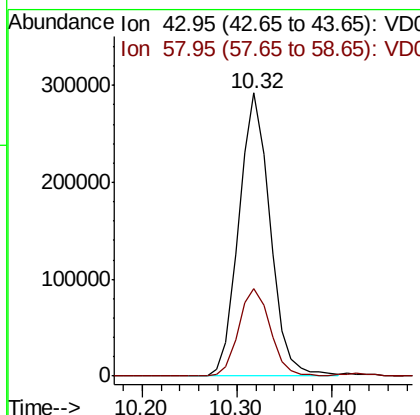
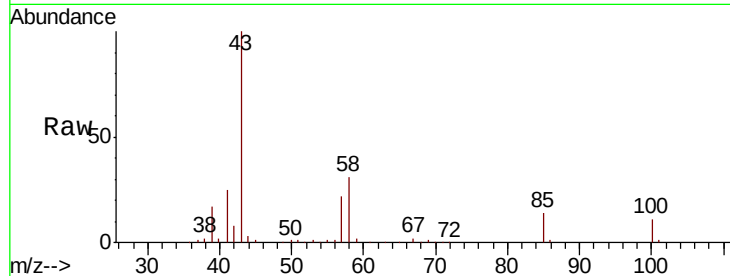
#51
 4-Methyl-2-Pentanone
 Concen: 289.985 ug/l
 RT: 10.32 min Scan# 904
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 669692
 Ion Ratio Lower Upper
 43 100
 58 31.1 30.4 45.6

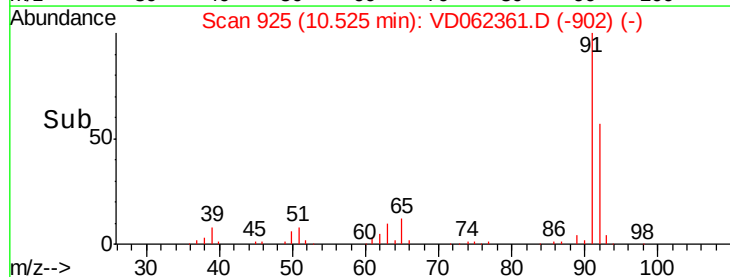
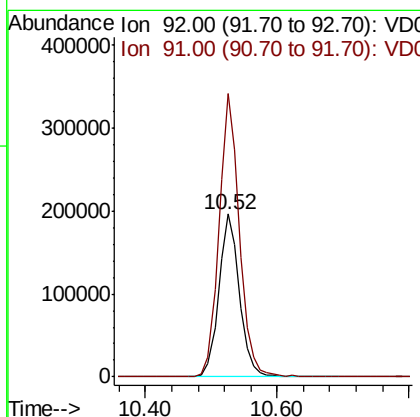
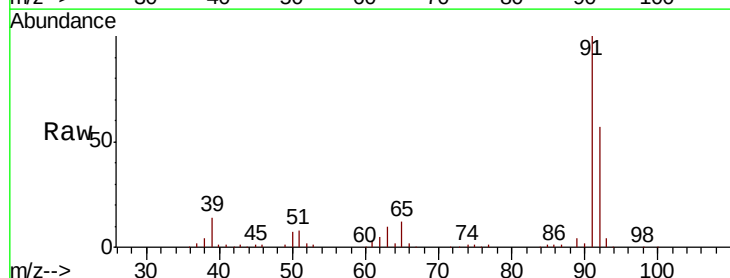
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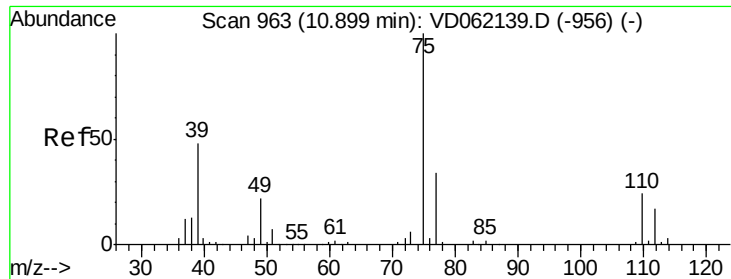
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 5/15/2019 9:45:52 AM



#52
 Toluene
 Concen: 48.585 ug/l
 RT: 10.52 min Scan# 925
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 92 Resp: 426391
 Ion Ratio Lower Upper
 92 100
 91 174.1 136.6 204.8





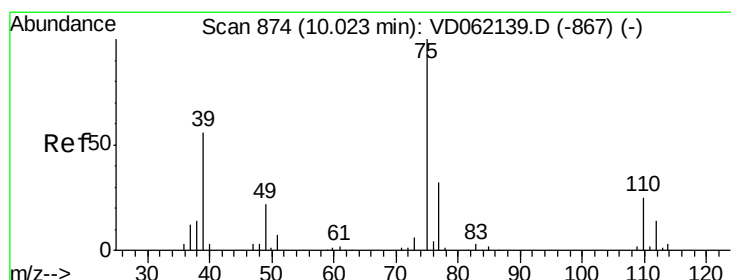
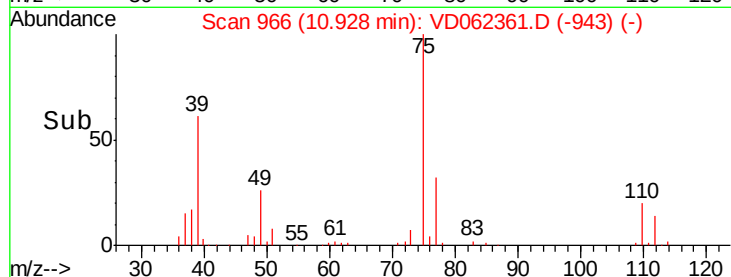
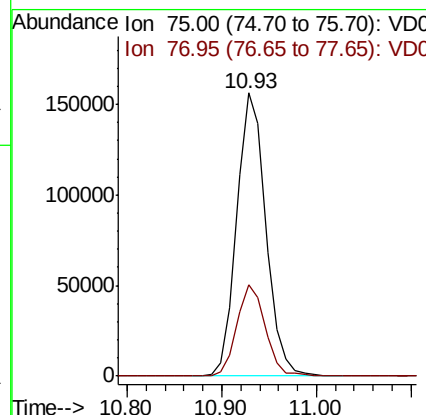
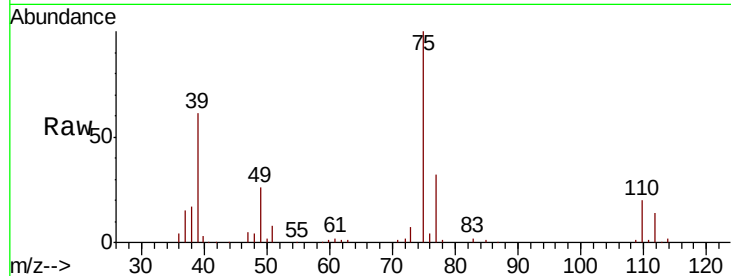
#53
 t-1,3-Dichloropropene
 Concen: 57.869 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 75 Resp: 331919
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.8 38.8

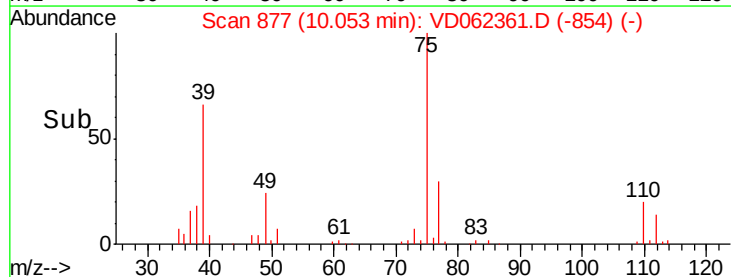
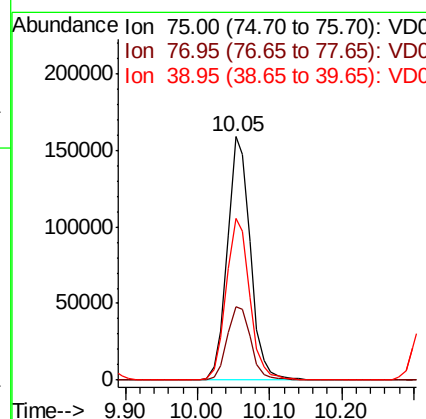
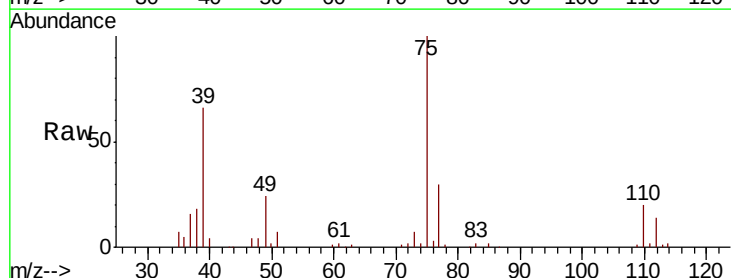
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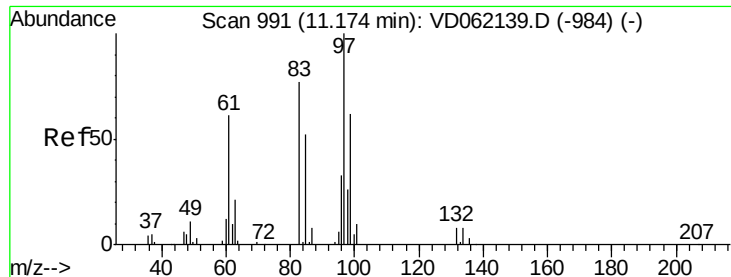
MMDadoda
 5/15/2019 9:45:52 AM



#54
 cis-1,3-Dichloropropene
 Concen: 55.957 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 75 Resp: 350131
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.5 38.3
 39 66.2 39.4 59.2#





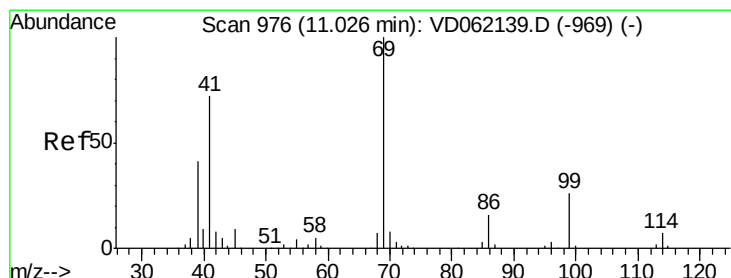
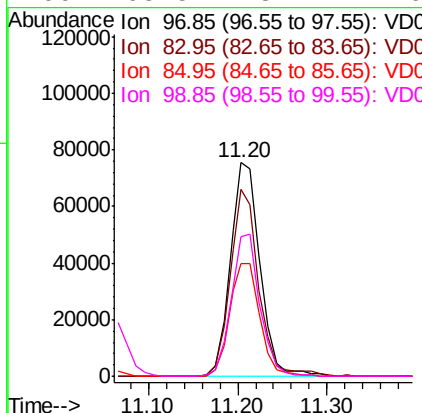
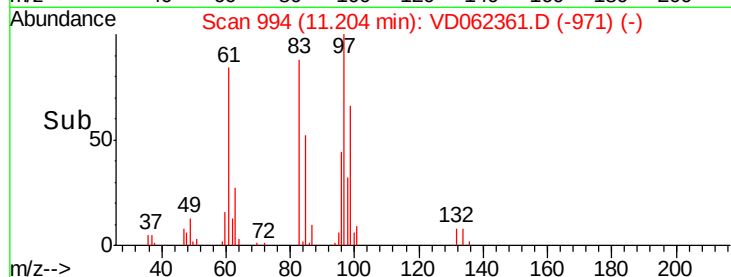
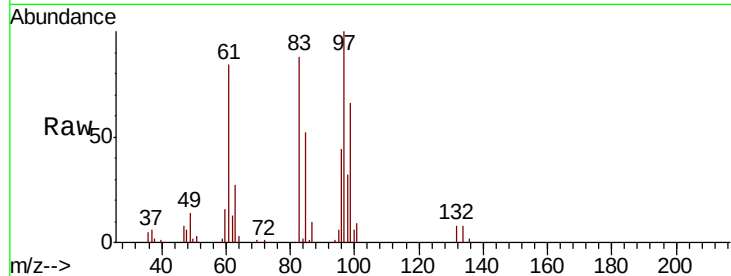
#55
 1,1,2-Trichloroethane
 Concen: 56.282 ug/l
 RT: 11.20 min Scan# 994
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.5	65.7	98.5
85	52.5	45.6	68.4
99	65.5	48.4	72.6

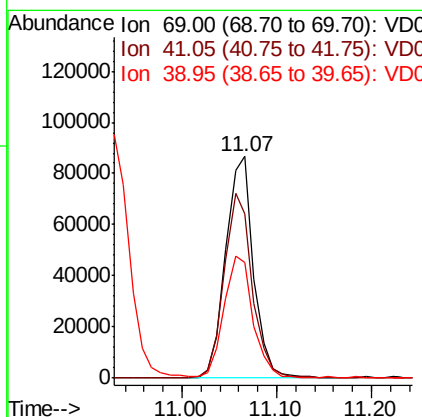
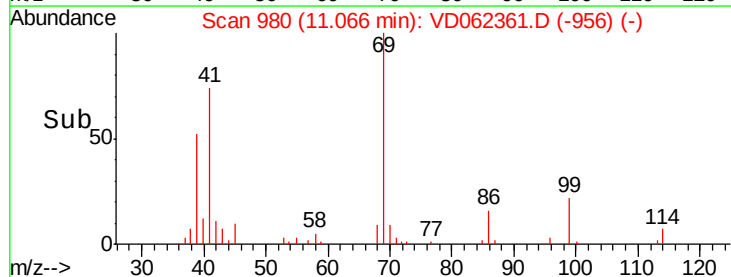
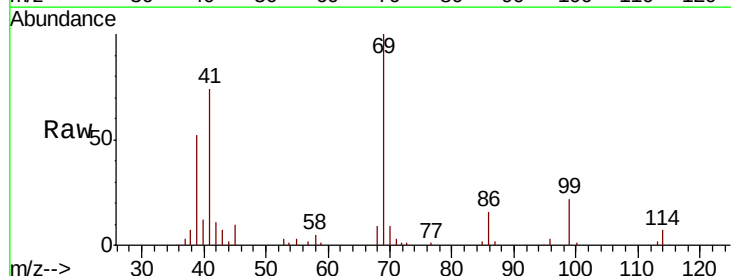
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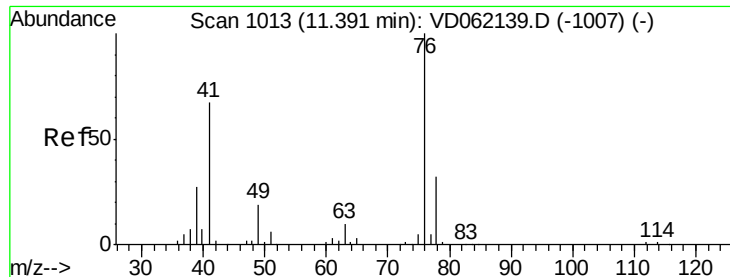
MMDadoda
 5/15/2019 9:45:52 AM



#56
 Ethyl methacrylate
 Concen: 54.660 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. 0.04 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.3	56.3	84.5
39	52.0	29.4	44.2#





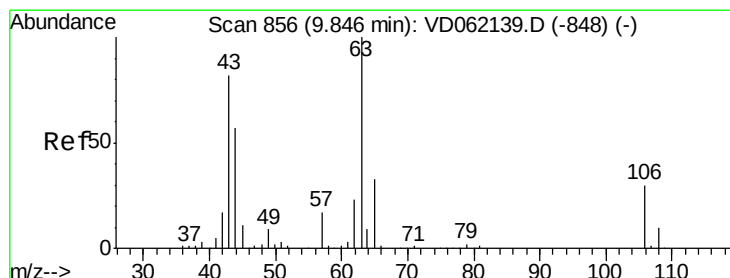
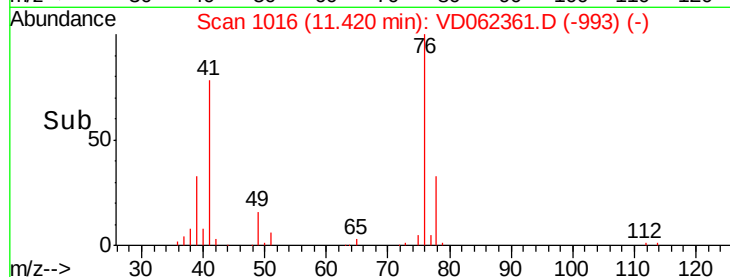
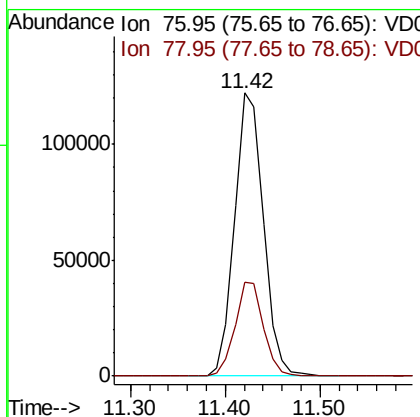
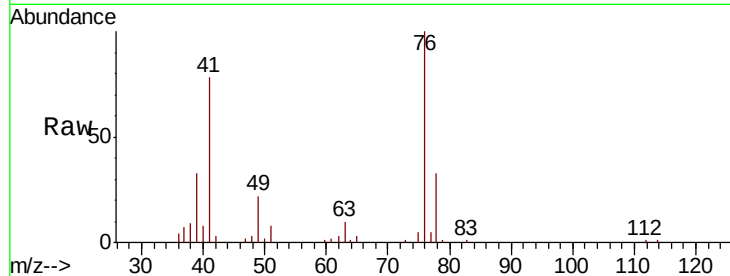
#57
 1,3-Dichloropropane
 Concen: 54.995 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 257995
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.2

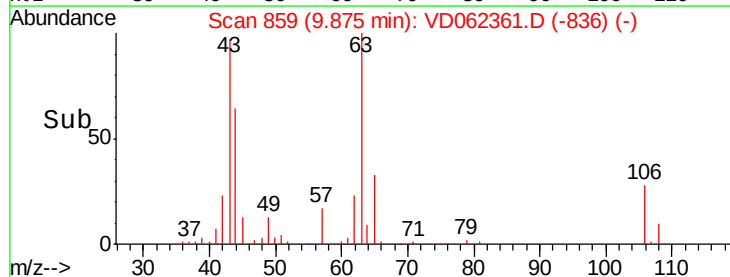
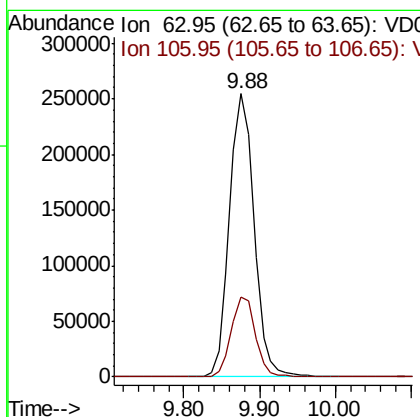
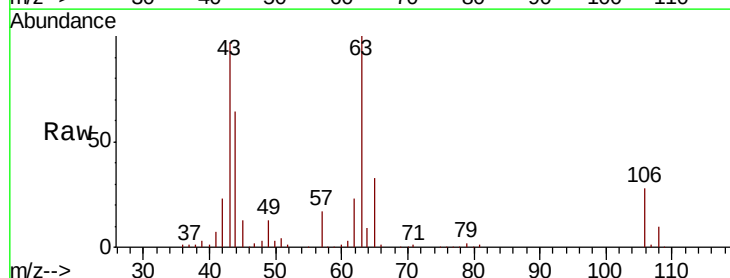
Manual Integrations
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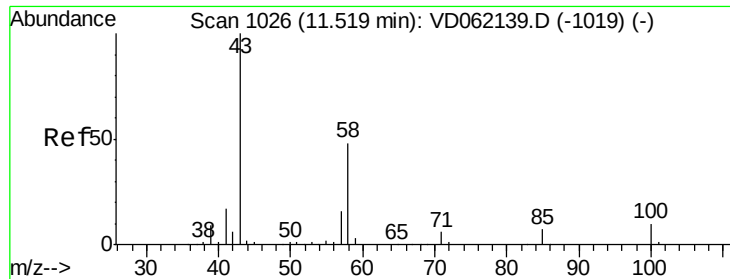
MMDadoda
 5/15/2019 9:45:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 325.419 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion: 63 Resp: 573578
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.6 34.0





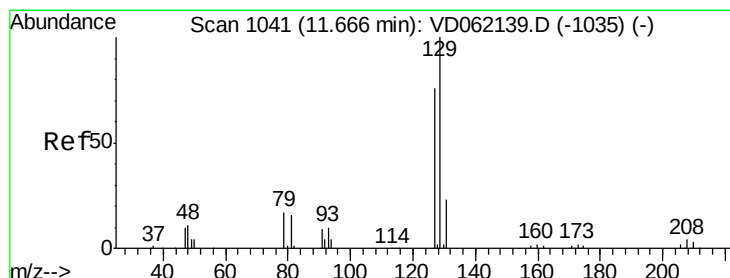
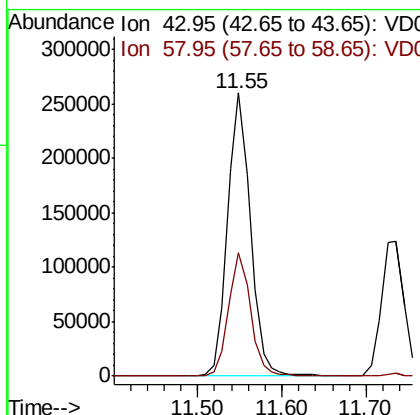
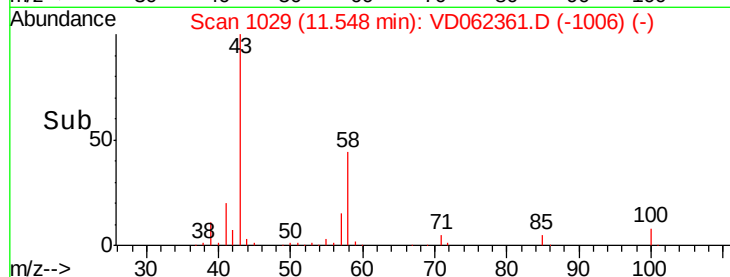
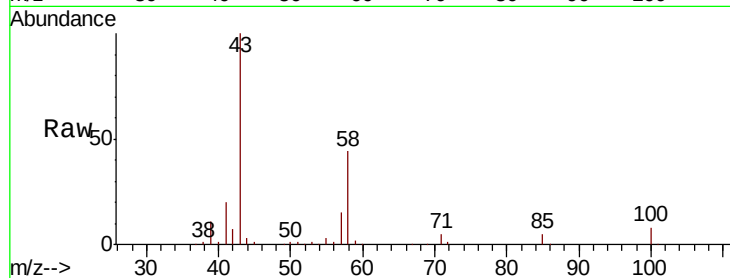
#59
2-Hexanone
Concen: 287.894 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 490029
Ion Ratio Lower Upper
43 100
58 43.6 25.4 76.4

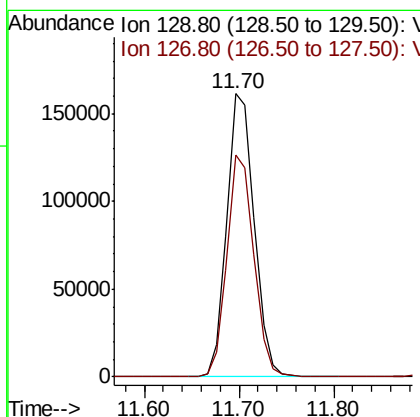
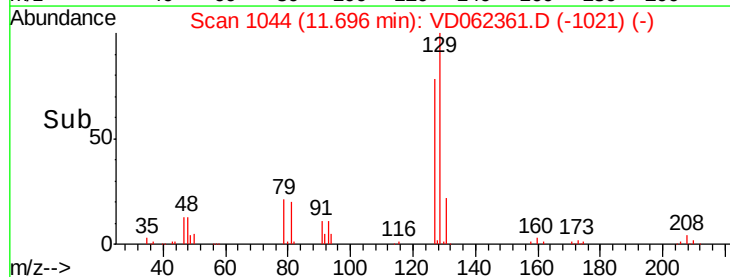
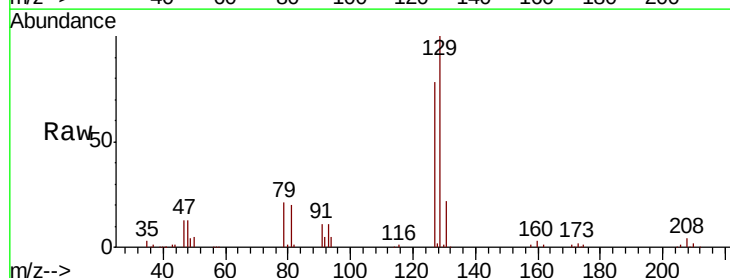
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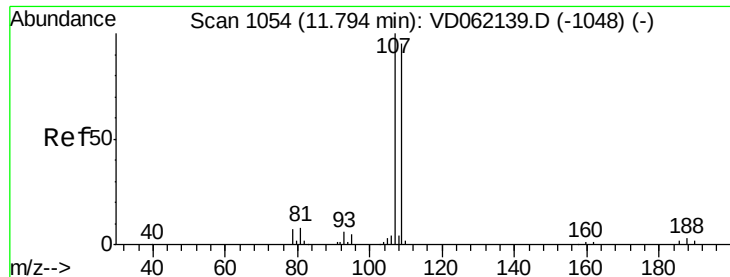
MMDadoda
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#60
Dibromochloromethane
Concen: 60.407 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 129 Resp: 324173
Ion Ratio Lower Upper
129 100
127 78.3 38.0 113.9





#61

1,2-Dibromoethane

Concen: 54.280 ug/l

RT: 11.82 min Scan# 1057

Delta R.T. 0.03 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 204920

Ion Ratio Lower Upper

107 100

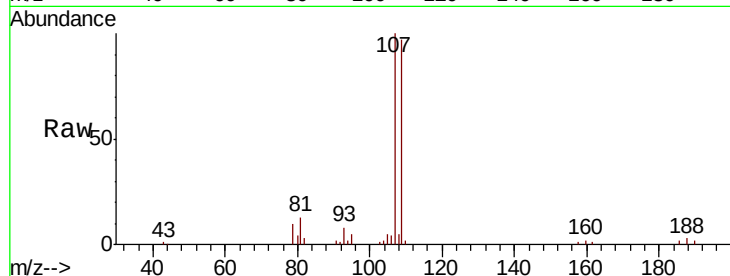
109 97.1 78.3 117.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.82

120000

100000

80000

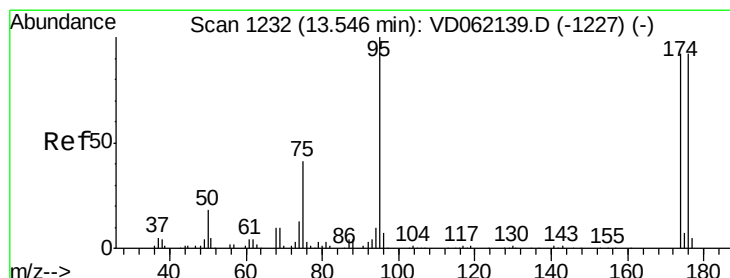
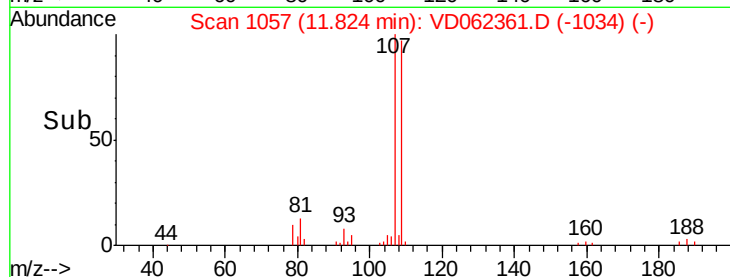
60000

40000

20000

0

Time--> 11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 50.636 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

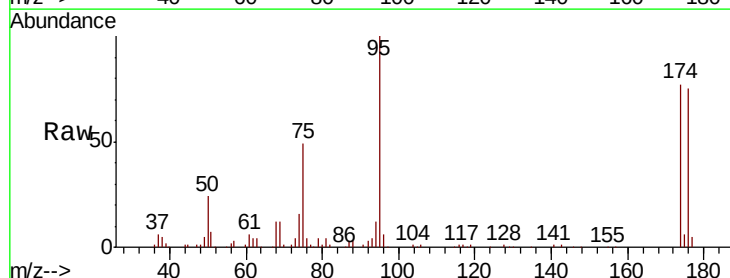
Tgt Ion: 95 Resp: 296353

Ion Ratio Lower Upper

95 100

174 77.1 0.0 181.8

176 75.1 0.0 174.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

250000

200000

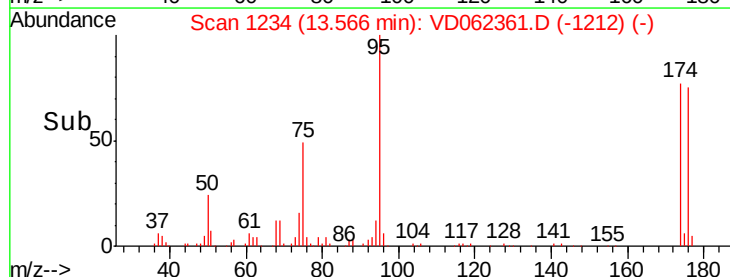
150000

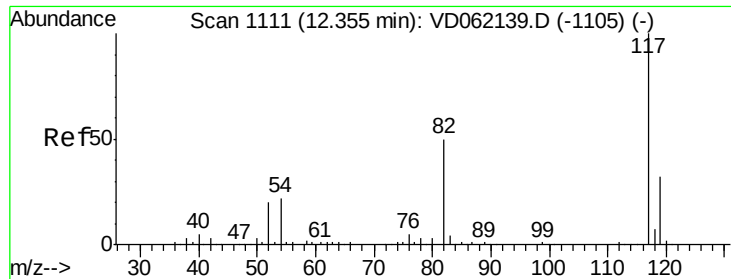
100000

50000

0

Time--> 13.50 13.60





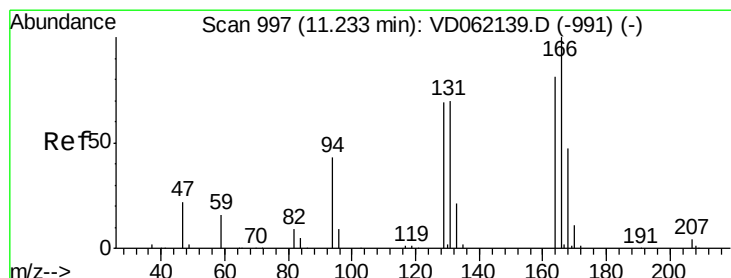
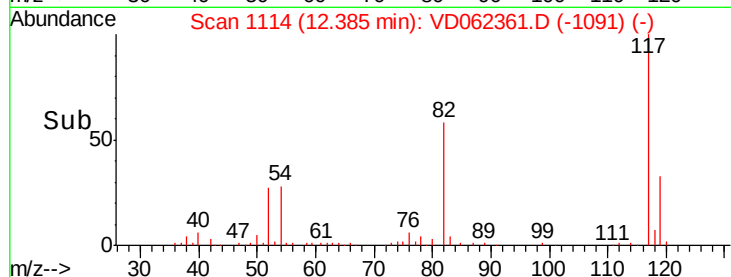
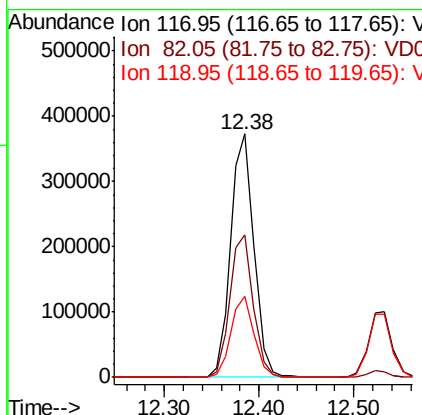
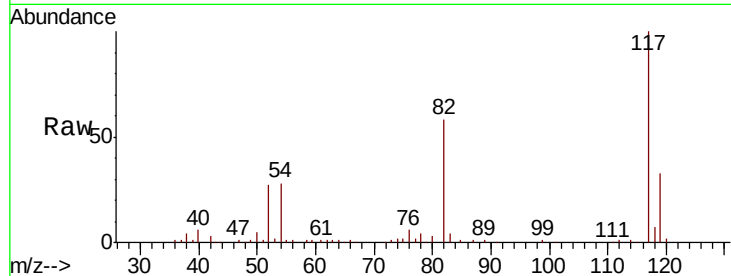
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	632293		
82	58.3	36.2	54.2#	
119	33.3	26.2	39.4	

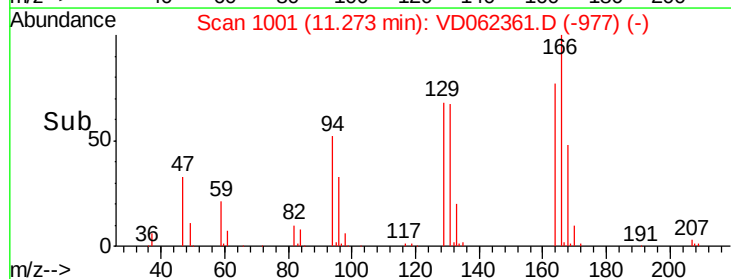
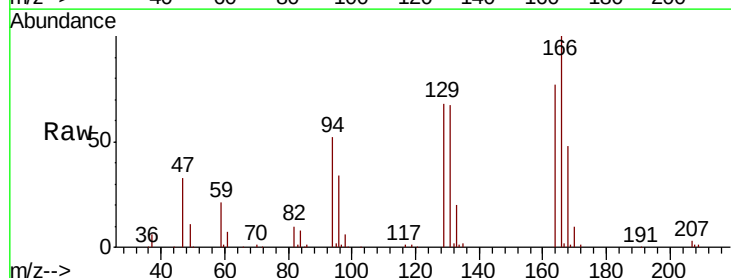
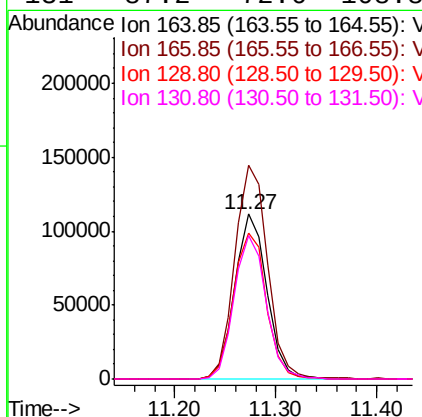
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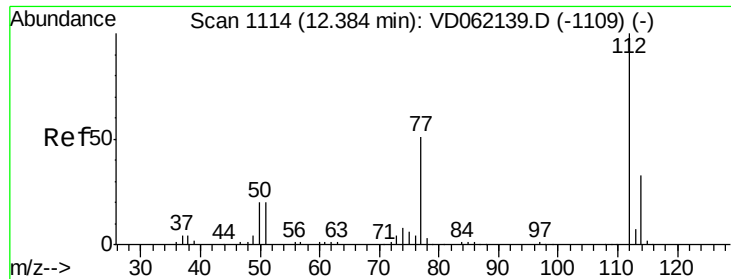
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#64
Tetrachloroethene
Concen: 49.837 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.04 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	246407		
166	129.8	101.5	152.3	
129	88.8	74.6	112.0	
131	87.2	72.6	108.8	





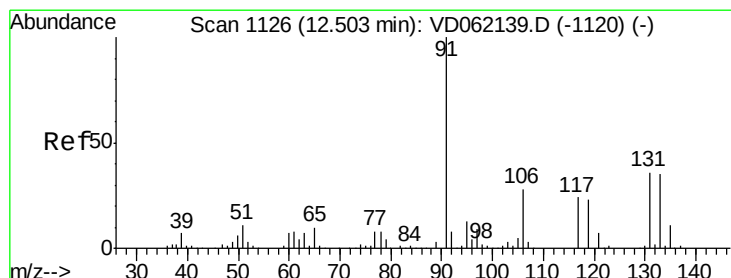
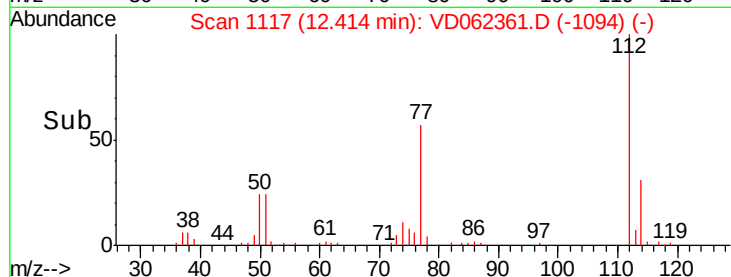
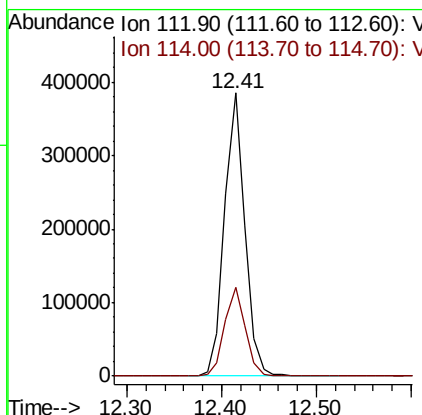
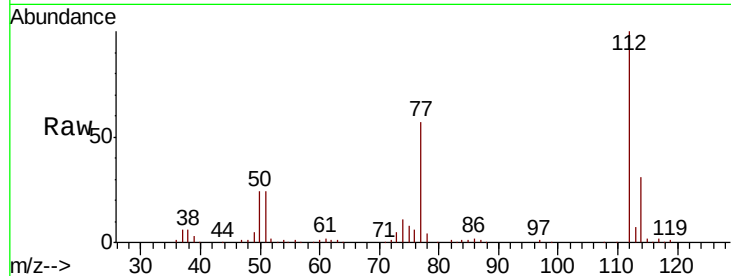
#65
Chlorobenzene
Concen: 48.640 ug/l
RT: 12.41 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 572815
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.8

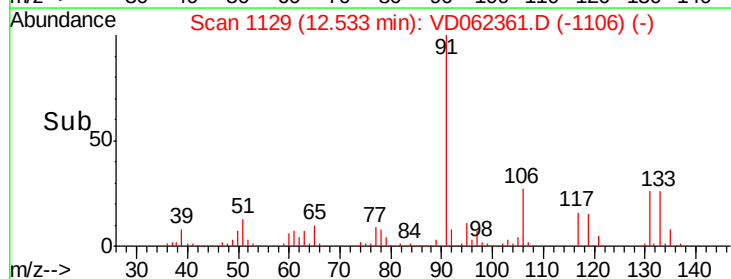
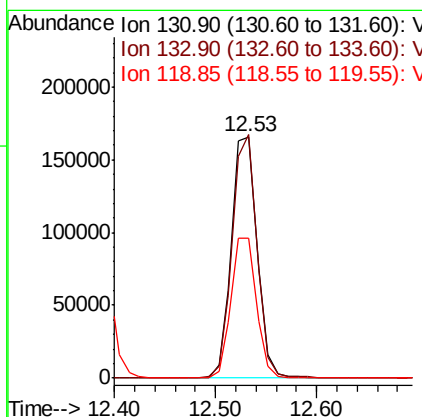
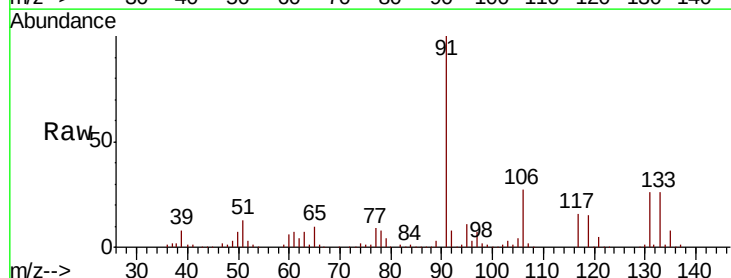
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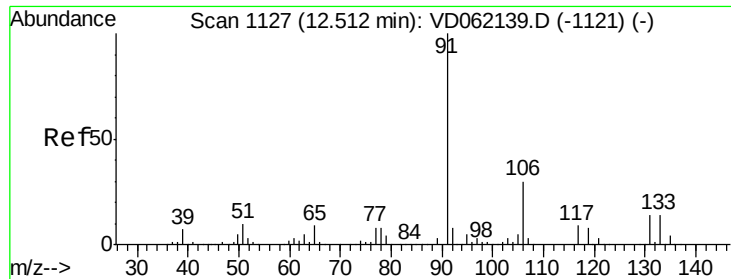
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.223 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion:131 Resp: 293287
Ion Ratio Lower Upper
131 100
133 100.8 48.6 145.8
119 58.0 34.7 104.1





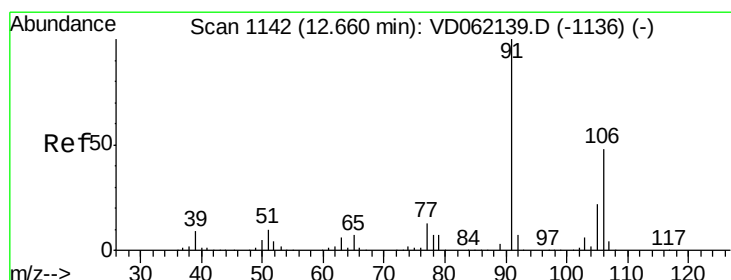
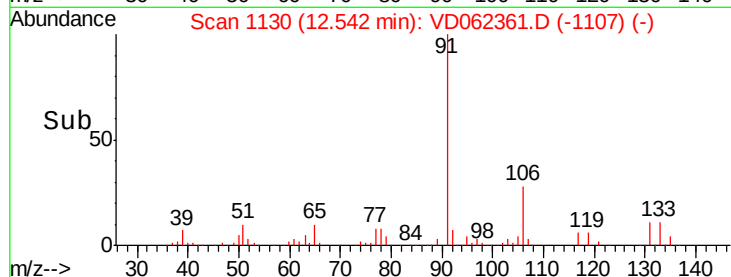
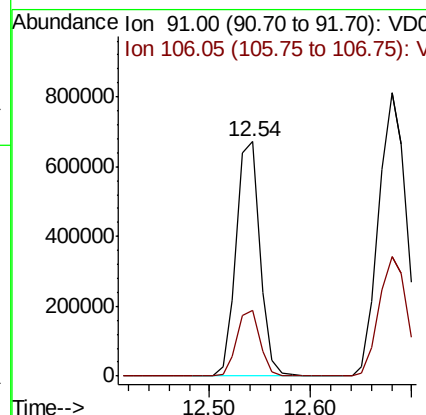
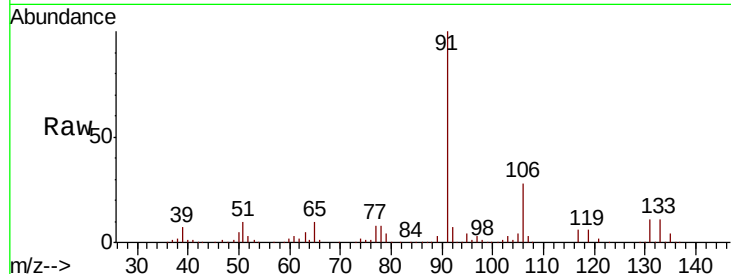
#67
Ethyl Benzene
Concen: 55.893 ug/l
RT: 12.54 min Scan# 1130
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1101973
Ion Ratio Lower Upper
91 100
106 28.0 24.7 37.1

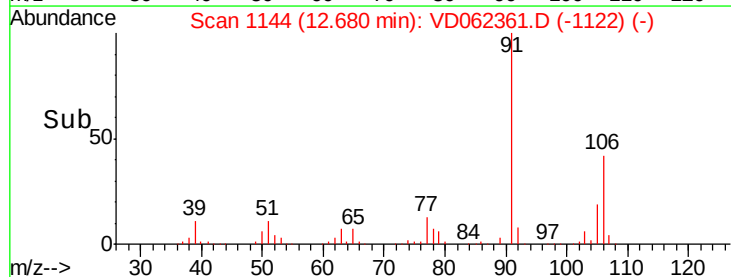
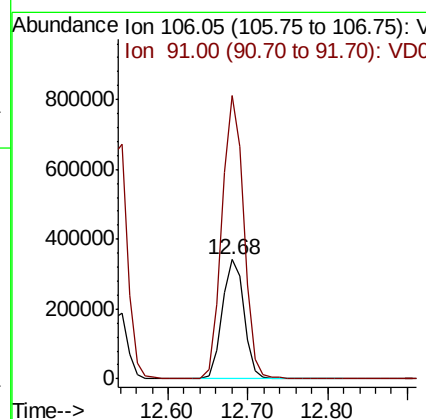
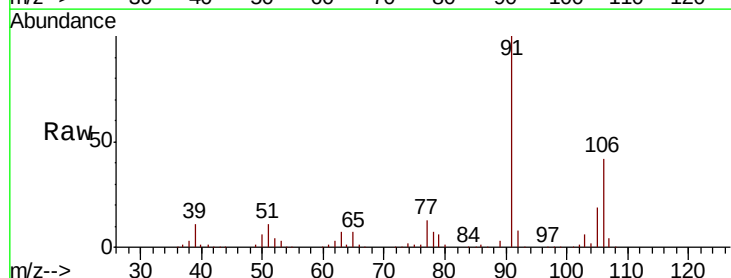
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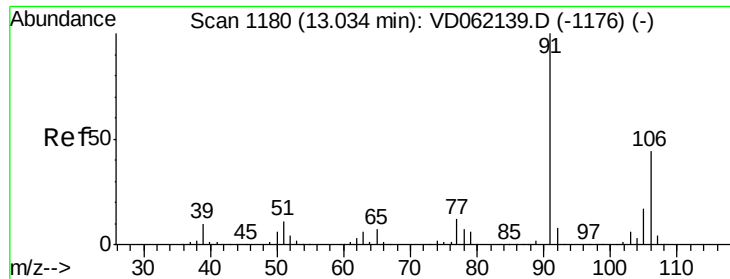
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#68
m/p-Xylenes
Concen: 92.625 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 106 Resp: 664410
Ion Ratio Lower Upper
106 100
91 237.4 164.0 246.0





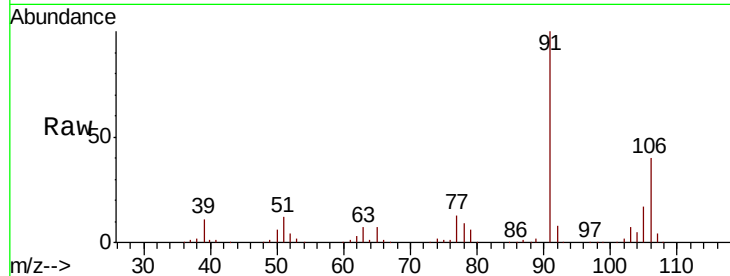
#69
o-Xylene
Concen: 50.307 ug/l
RT: 13.06 min Scan# 1183
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

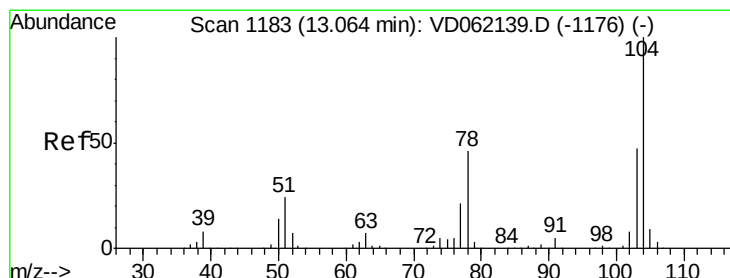
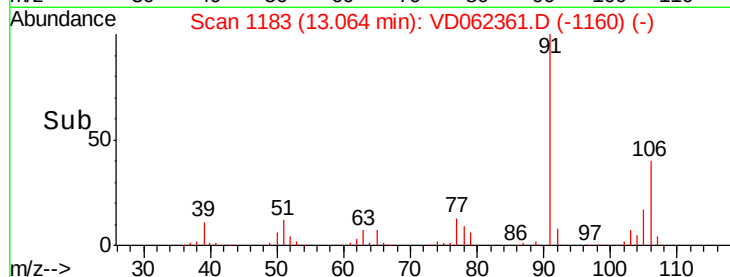
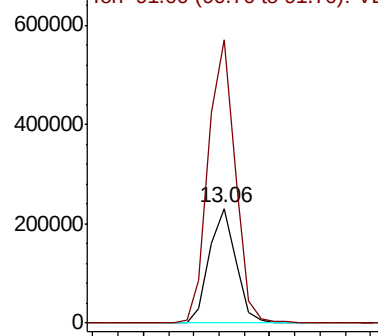
Tgt Ion:106 Resp: 335482
Ion Ratio Lower Upper
106 100
91 247.3 106.7 319.9

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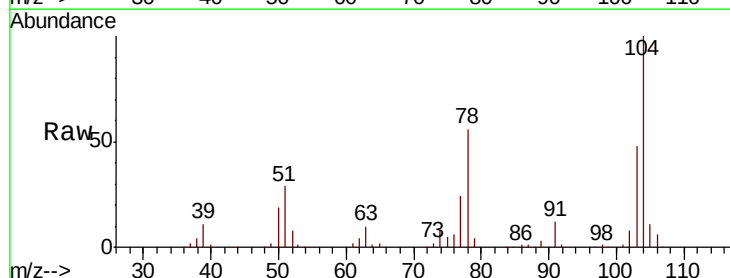


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

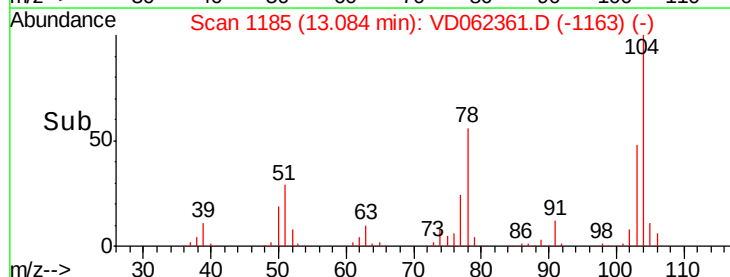
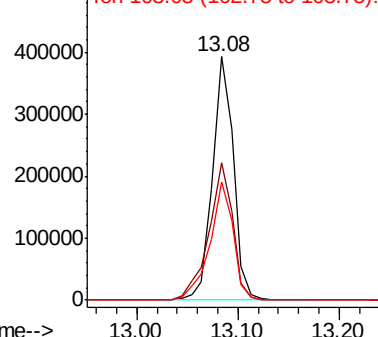


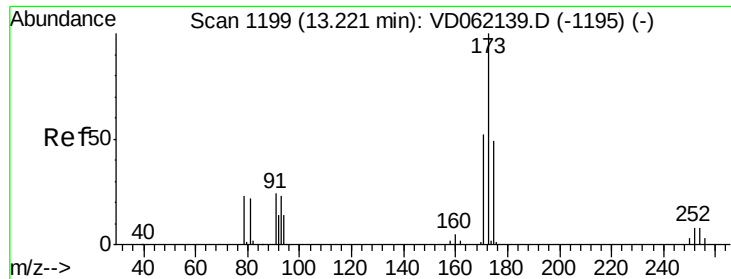
#70
Styrene
Concen: 50.001 ug/l
RT: 13.08 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion:104 Resp: 564861
Ion Ratio Lower Upper
104 100
78 56.5 35.4 53.2#
103 48.3 37.5 56.3



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





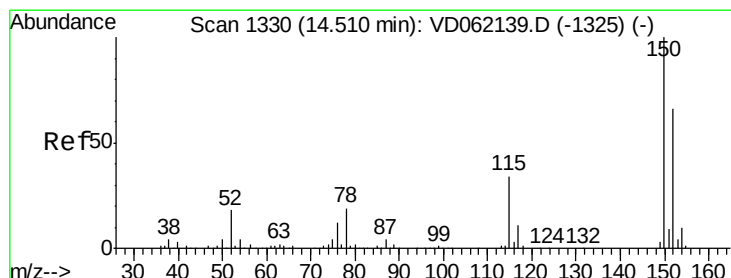
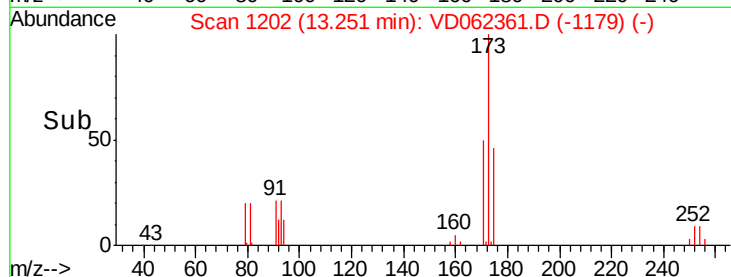
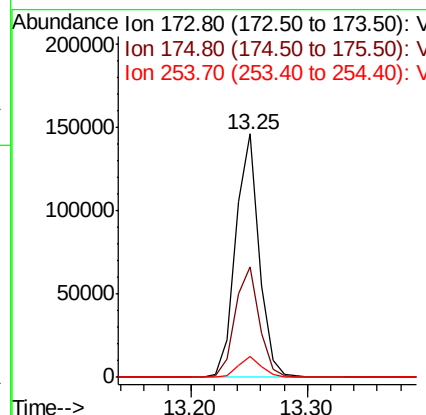
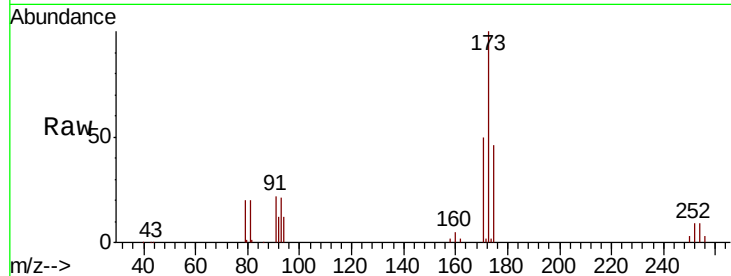
#71
Bromoform
Concen: 57.234 ug/l
RT: 13.25 min Scan# 1202
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	45.5	24.4	73.4
254	8.8	5.4	8.2

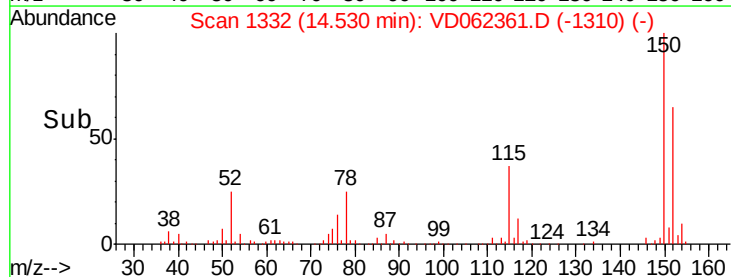
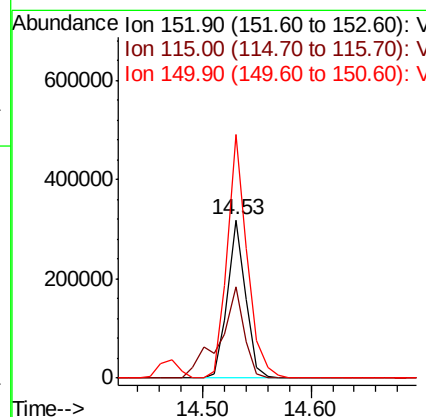
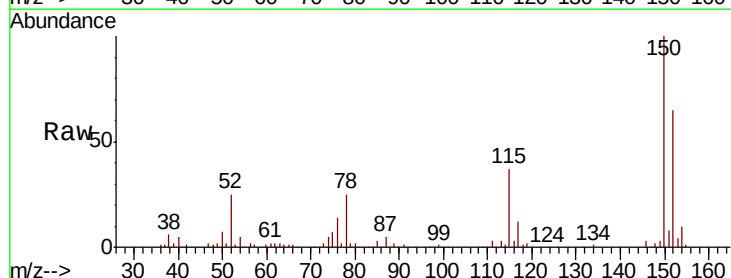
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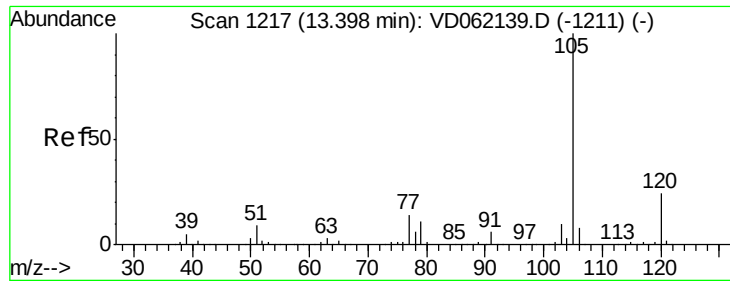
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	30.9	92.7
150	154.1	0.0	314.8





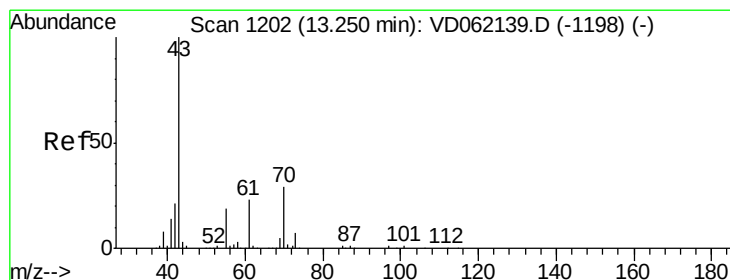
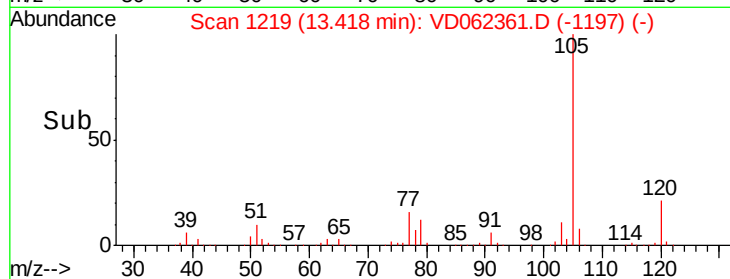
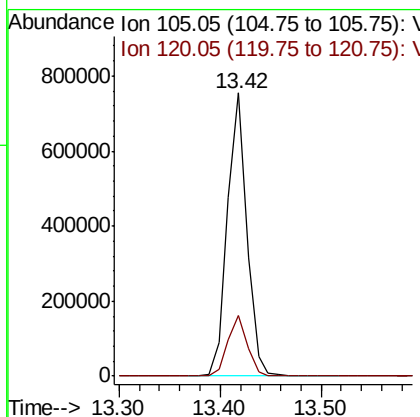
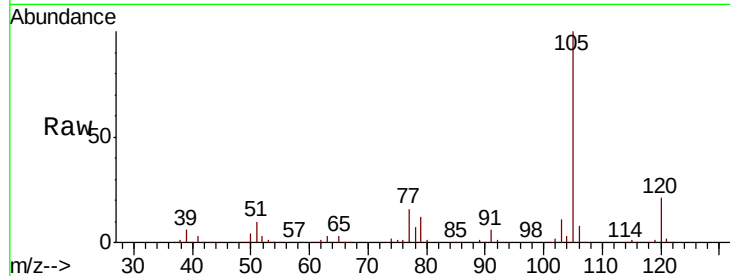
#73
Isopropylbenzene
Concen: 45.135 ug/l
RT: 13.42 min Scan# 1219
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 105 Resp: 1008916
Ion Ratio Lower Upper
105 100
120 21.2 12.0 36.1

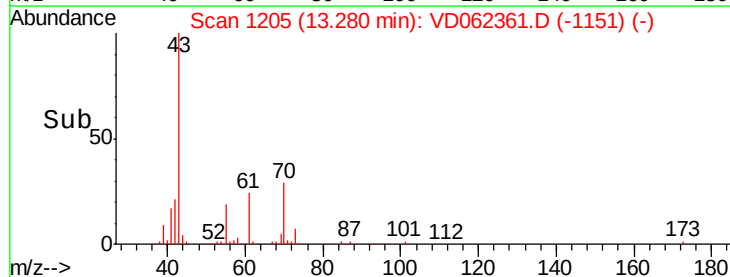
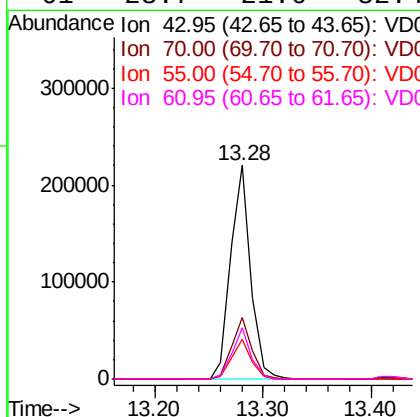
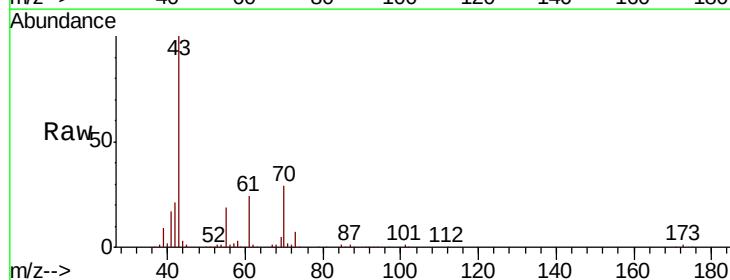
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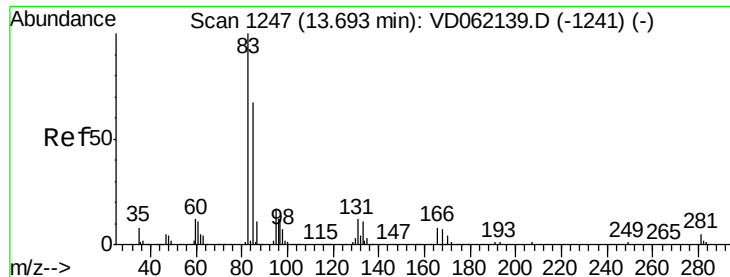
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#74
N-ethyl acetate
Concen: 48.662 ug/l
RT: 13.28 min Scan# 1205
Delta R.T. 0.03 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion: 43 Resp: 285186
Ion Ratio Lower Upper
43 100
70 28.9 24.2 36.4
55 18.5 16.0 24.0
61 23.7 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 46.754 ug/l

RT: 13.71 min Scan# 1249

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

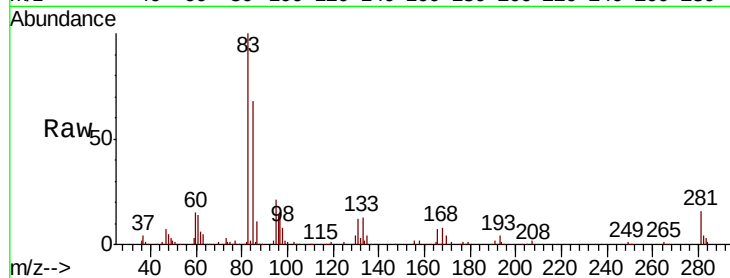
ClientSampleId :

VSTDCCC050

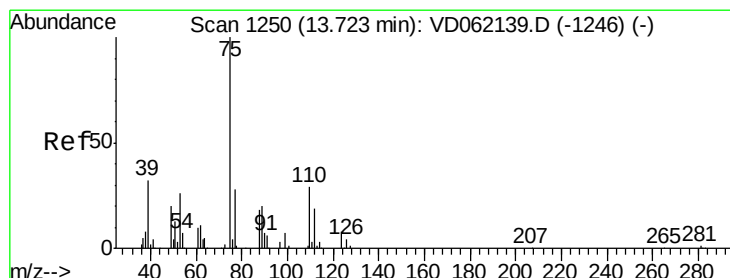
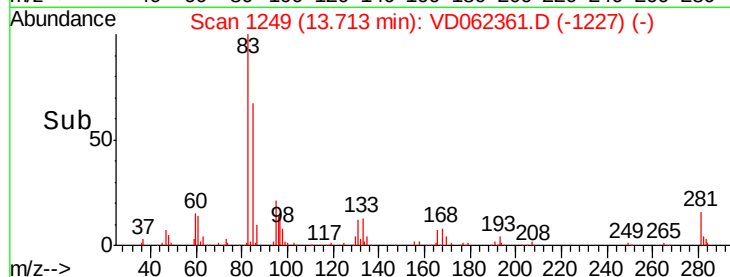
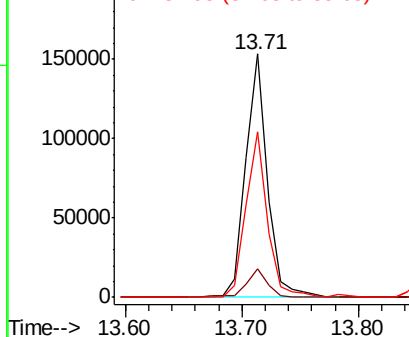
Tgt Ion:	83	Resp:	197849
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.0	14.9
85	67.8	32.6	97.7

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 47.469 ug/l

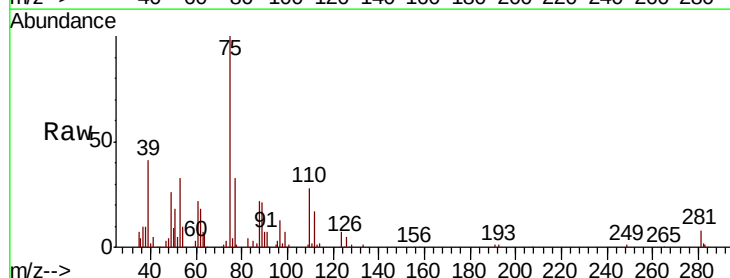
RT: 13.74 min Scan# 1252

Delta R.T. 0.02 min

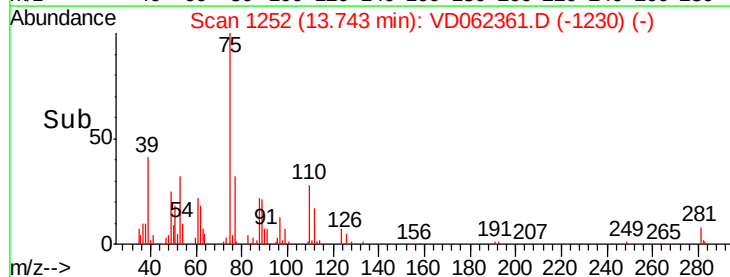
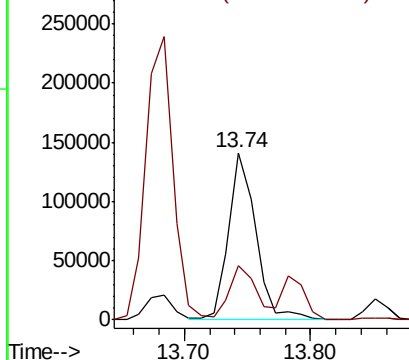
Lab File: VD062361.D

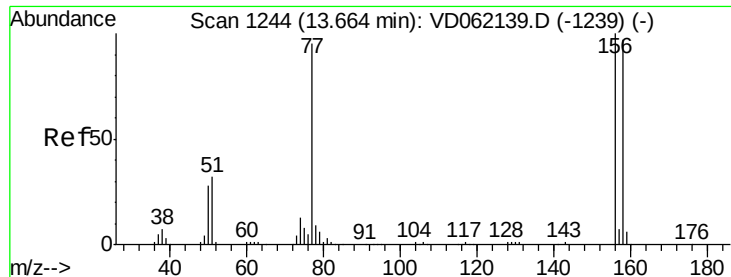
Acq: 14 May 2019 22:28

Tgt Ion:	75	Resp:	210370
Ion Ratio	Lower	Upper	
75	100		
77	32.8	16.4	49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





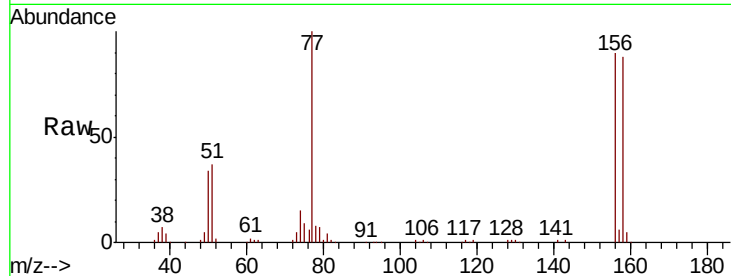
#77
Bromobenzene
Concen: 46.061 ug/l
RT: 13.68 min Scan# 1246
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

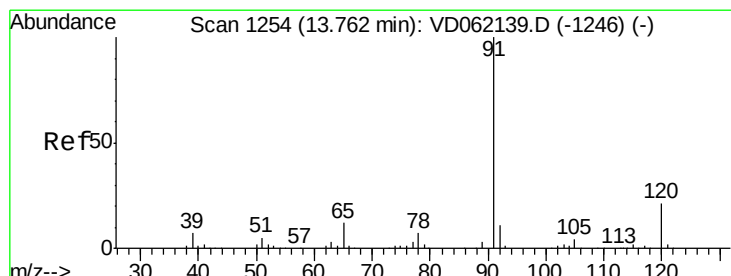
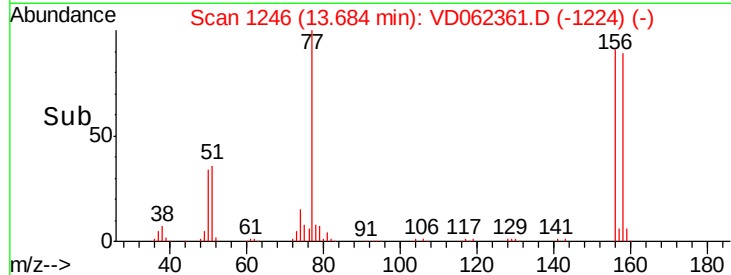
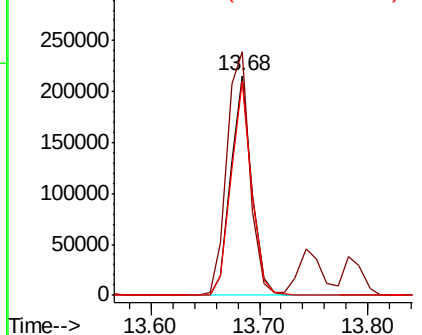
Tgt Ion	Ratio	Lower	Upper
156	100		
77	110.7	53.1	159.4
158	97.5	49.4	148.0

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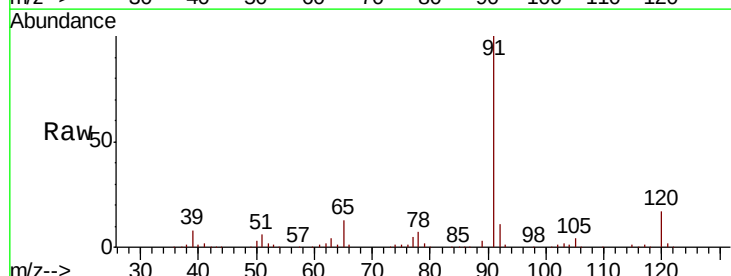


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

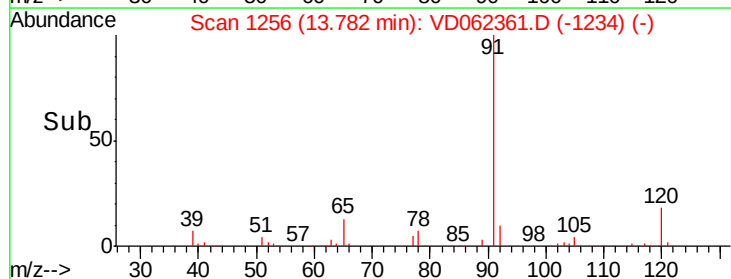
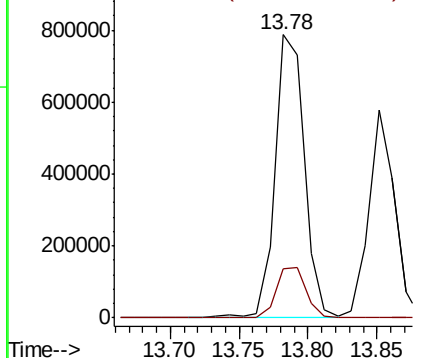


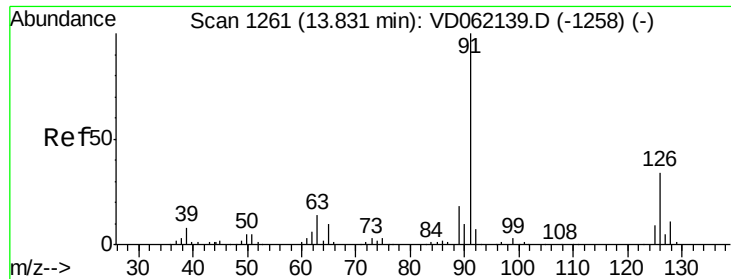
#78
n-propylbenzene
Concen: 43.214 ug/l
RT: 13.78 min Scan# 1256
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	17.5	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: 48.489 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 740501

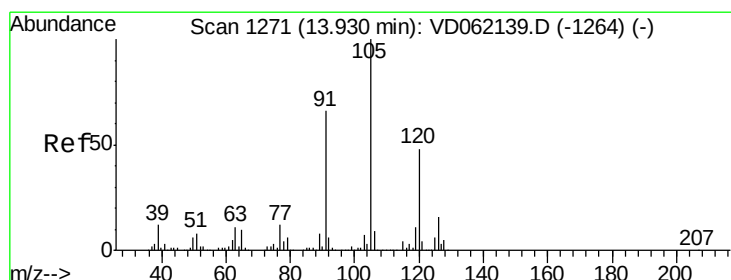
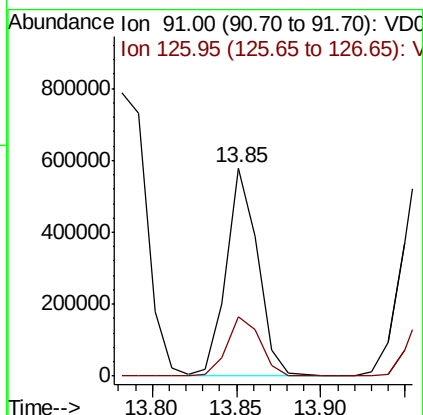
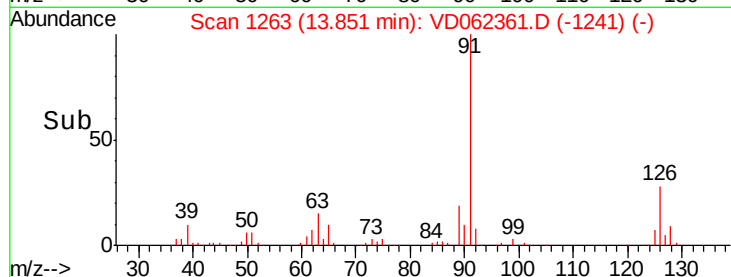
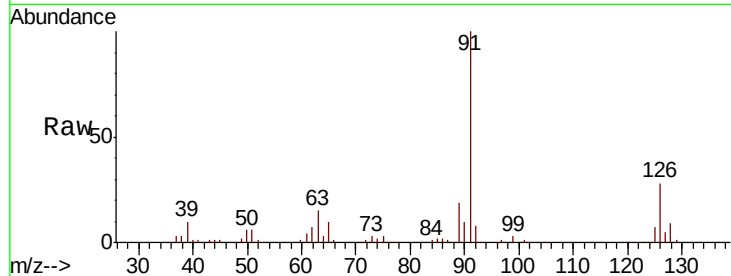
Ion Ratio Lower Upper

91 100

126 28.4 18.6 55.8

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#80

1,3,5-Trimethylbenzene

Concen: 47.980 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VD062361.D

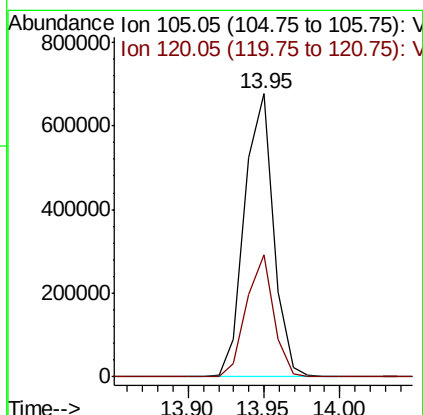
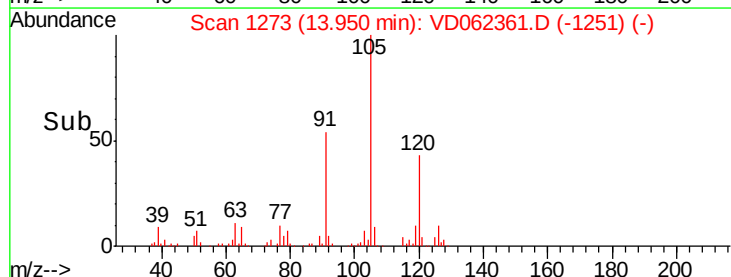
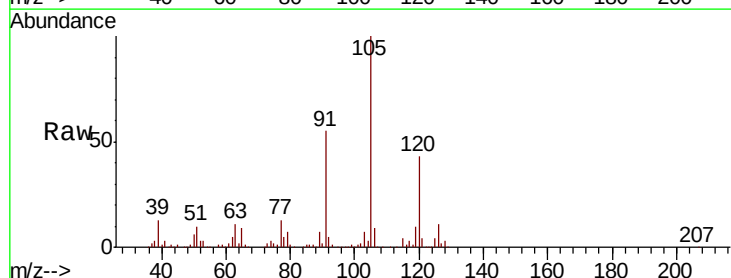
Acq: 14 May 2019 22:28

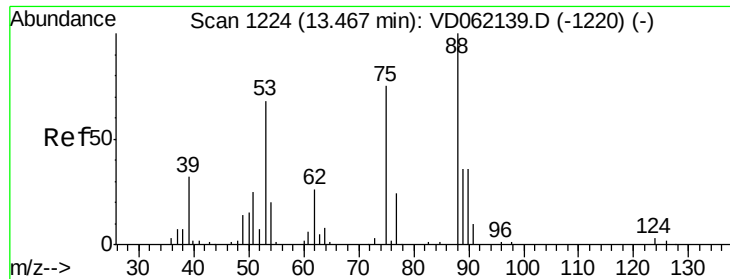
Tgt Ion: 105 Resp: 903141

Ion Ratio Lower Upper

105 100

120 43.0 24.0 72.0





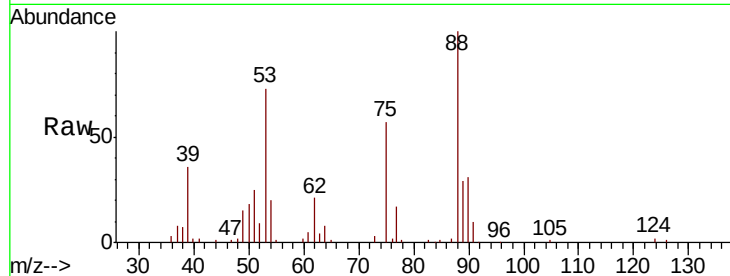
#81
trans-1,4-Dichloro-2-butene
Concen: 41.593 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	127.0	65.8	98.8#
89	51.2	35.0	52.6

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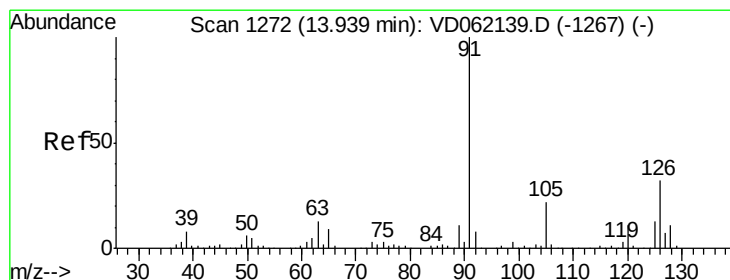
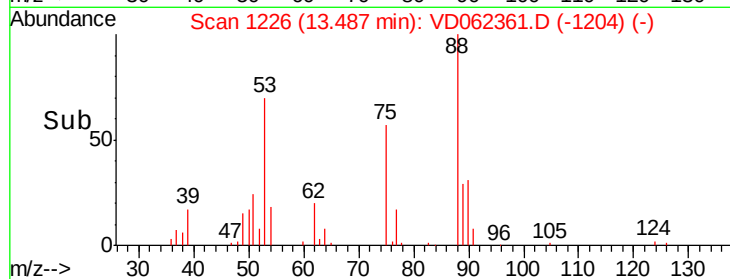
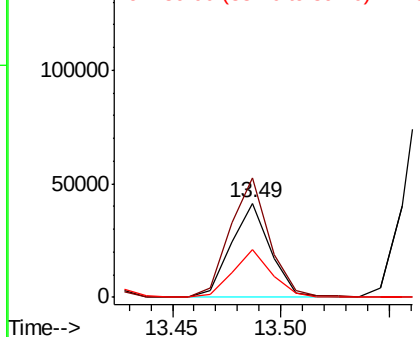


Abundance

Ion 75.00 (74.70 to 75.70): VDC

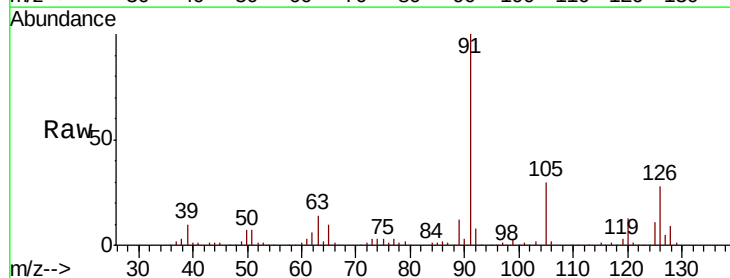
Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82
4-Chlorotoluene
Concen: 49.394 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

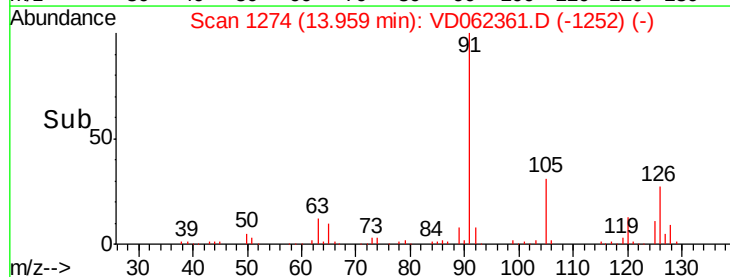
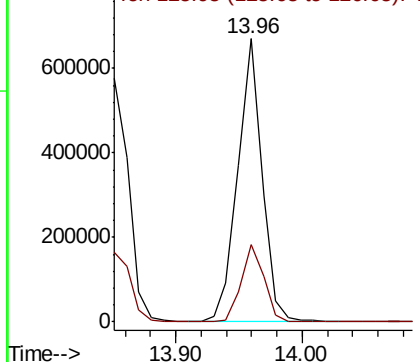
Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	19.1	57.5

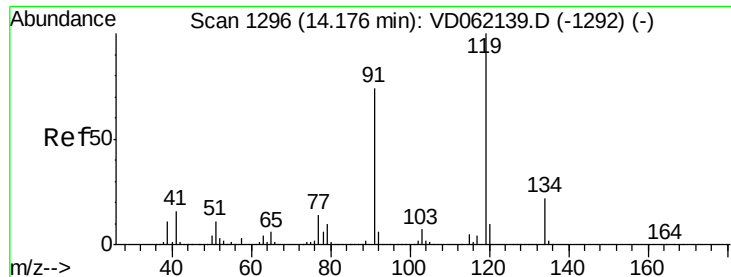


Abundance

Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





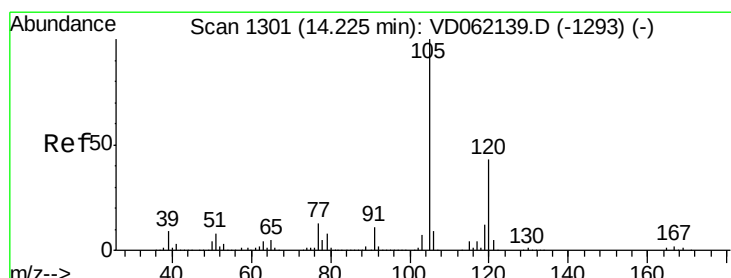
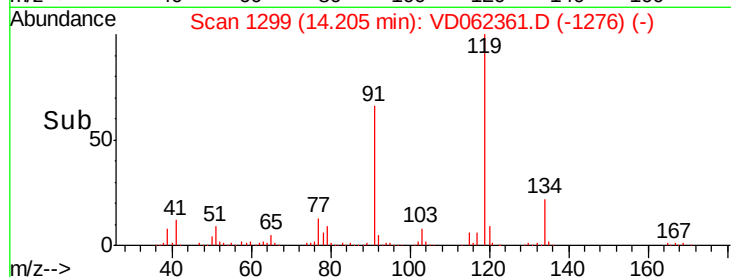
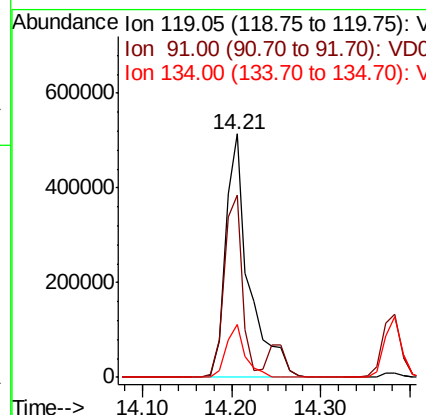
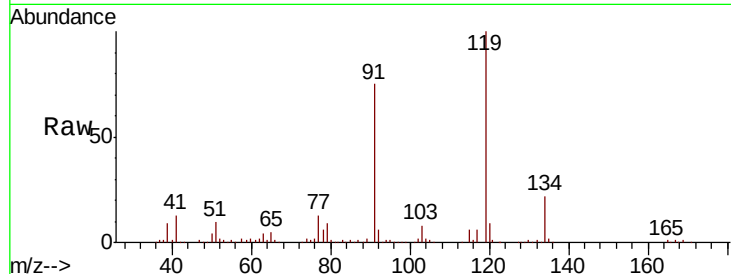
#83
 tert-Butylbenzene
 Concen: 44.456 ug/l
 RT: 14.21 min Scan# 1299
 Delta R.T. 0.03 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	940560		
91	75.0	34.2	102.6	
134	21.6	12.0	36.0	

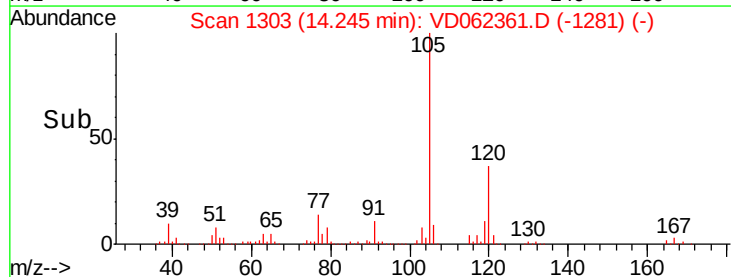
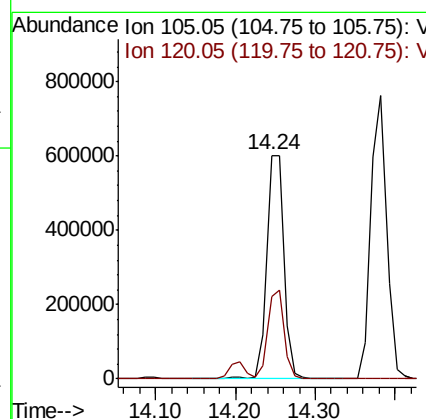
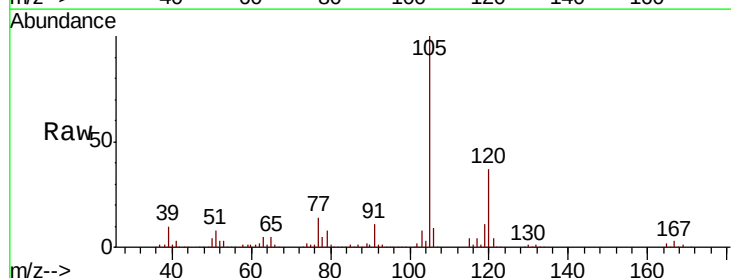
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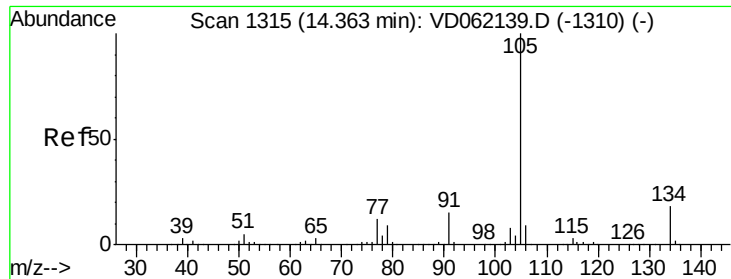
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.986 ug/l
 RT: 14.24 min Scan# 1303
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	887524		
120	36.7	23.1	69.2	





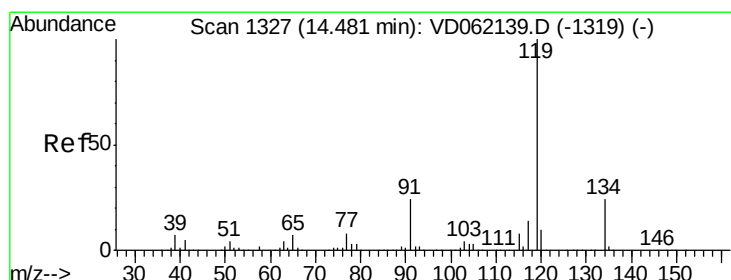
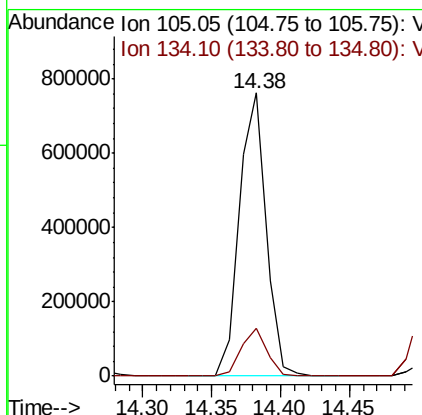
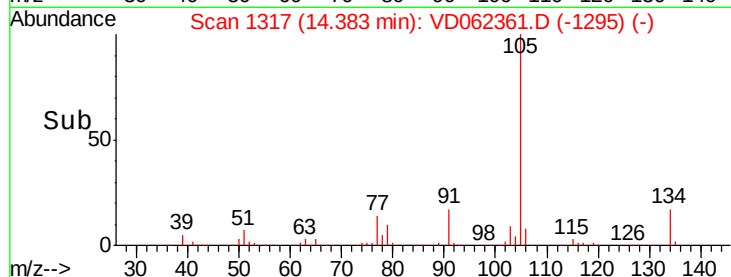
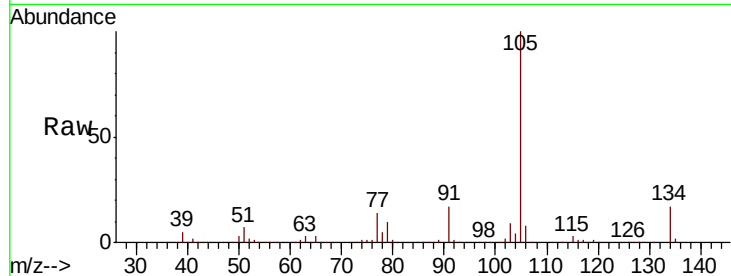
#85
 sec-Butylbenzene
 Concen: 44.507 ug/l
 RT: 14.38 min Scan# 1317
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 1032415
 Ion Ratio Lower Upper
 105 100
 134 16.9 8.9 26.7

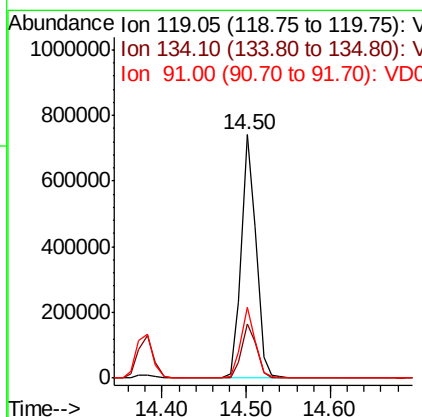
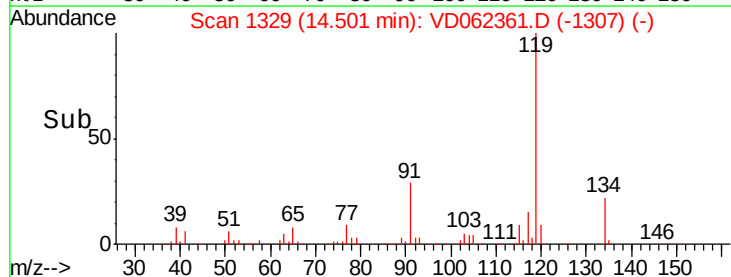
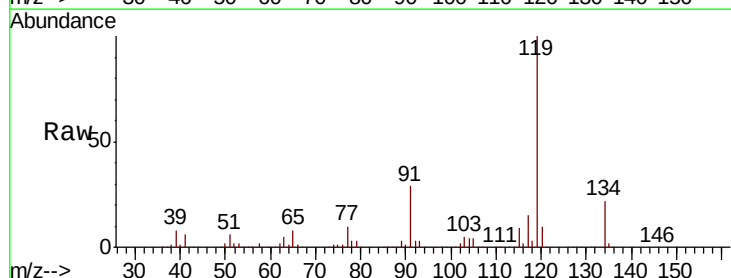
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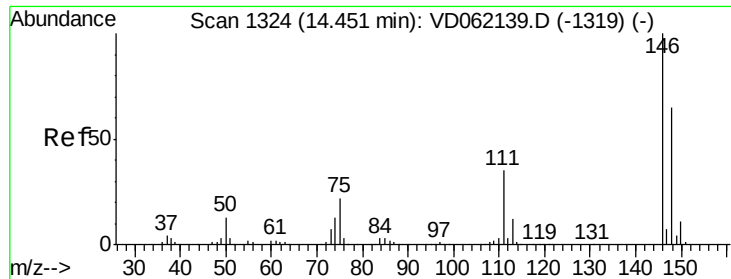
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#86
 p-Isopropyltoluene
 Concen: 43.671 ug/l
 RT: 14.50 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion:119 Resp: 905087
 Ion Ratio Lower Upper
 119 100
 134 22.3 12.8 38.3
 91 29.1 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 42.122 ug/l

RT: 14.47 min Scan# 1326

Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Instrument :

MSVOA_D

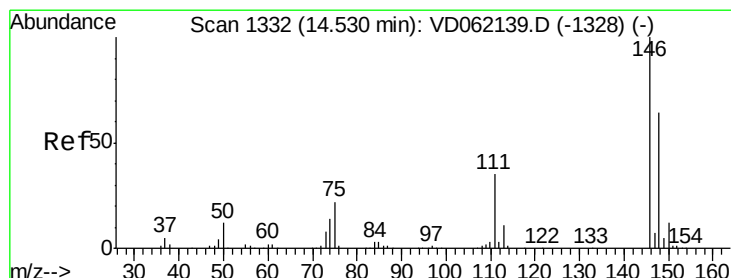
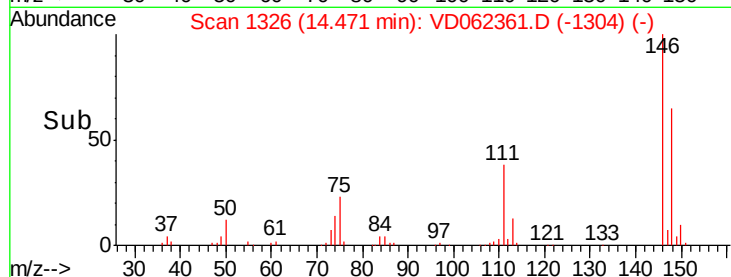
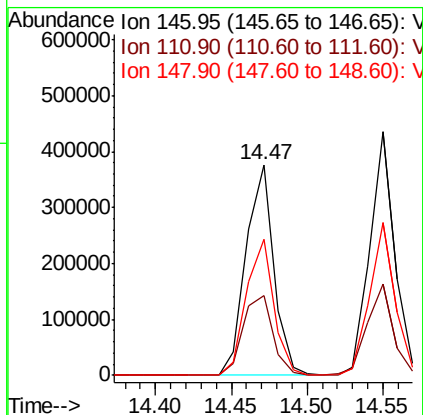
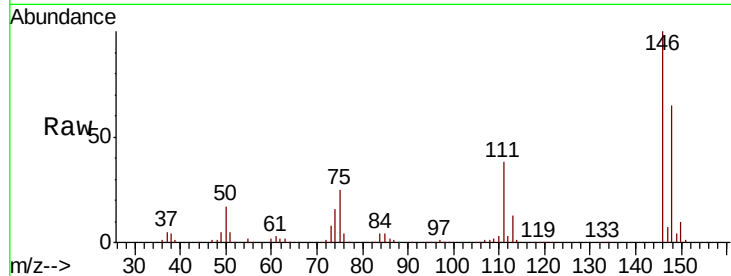
ClientSampleId :

VSTDCCC050

Tgt Ion:	146	Resp:	481496
Ion Ratio	Lower	Upper	
146	100		
111	37.7	20.0	60.0
148	64.8	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 44.832 ug/l

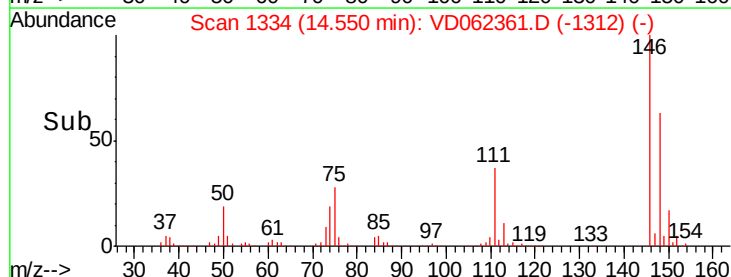
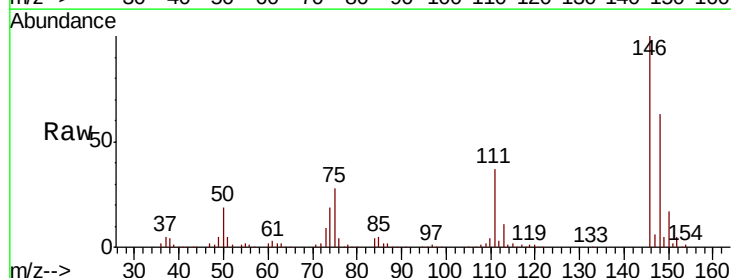
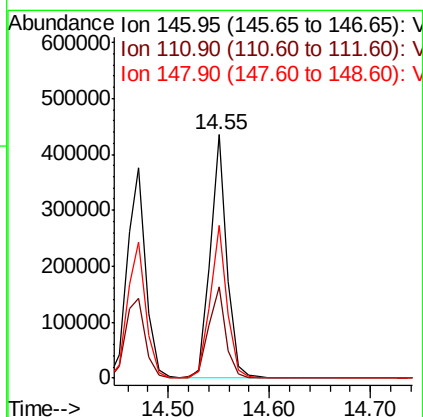
RT: 14.55 min Scan# 1334

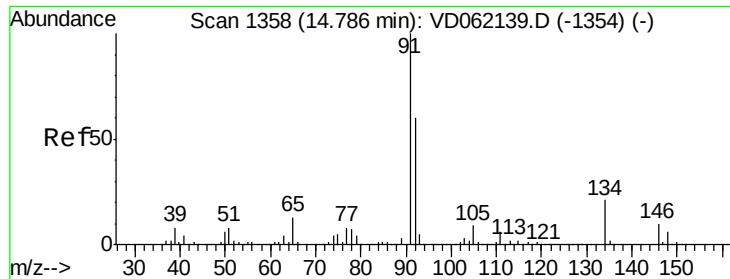
Delta R.T. 0.02 min

Lab File: VD062361.D

Acq: 14 May 2019 22:28

Tgt Ion:	146	Resp:	503533
Ion Ratio	Lower	Upper	
146	100		
111	37.3	20.2	60.5
148	62.8	32.0	96.2





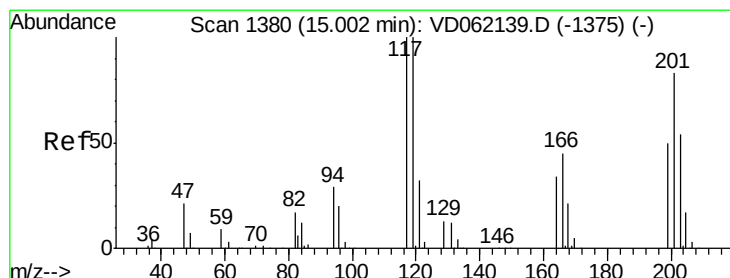
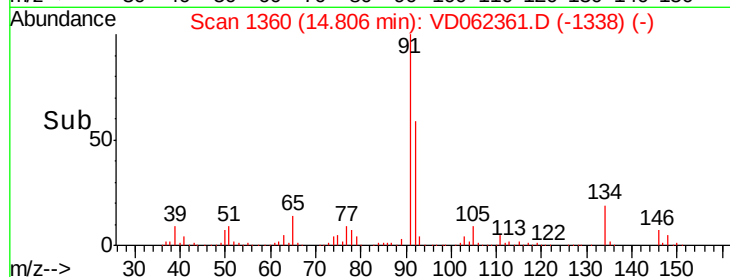
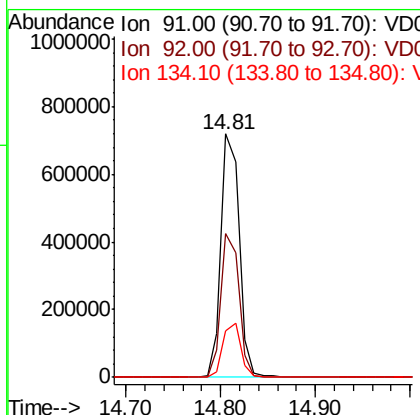
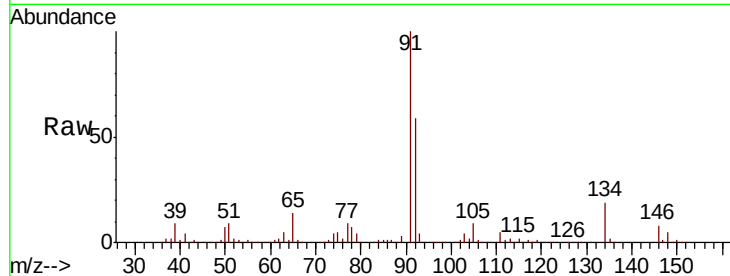
#89
n-Butylbenzene
Concen: 51.789 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	963381		
92	59.3	30.3	91.0	
134	19.3	14.5	43.6	

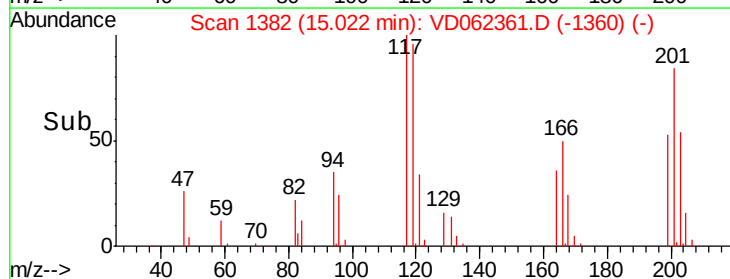
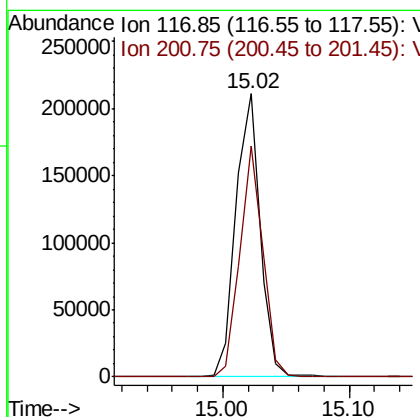
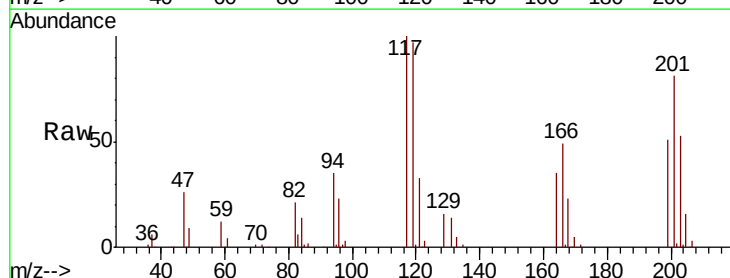
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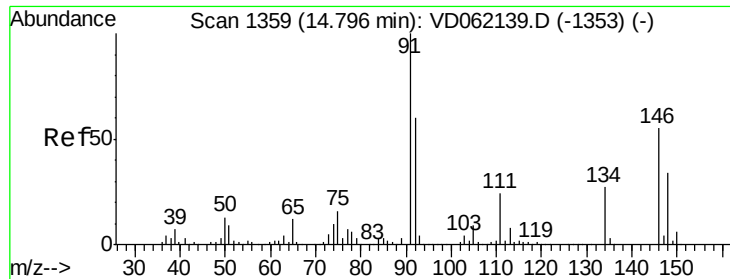
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#90
Hexachloroethane
Concen: 49.573 ug/l
RT: 15.02 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	279398		
201	81.5	30.2	90.6	





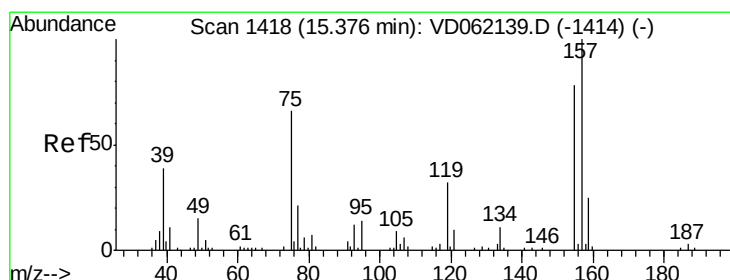
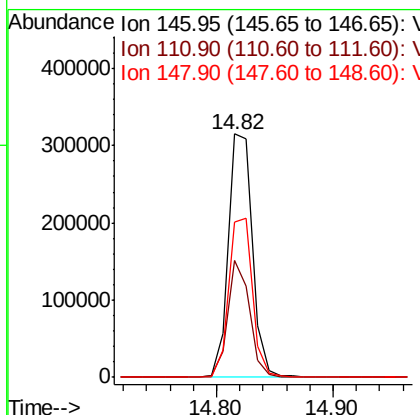
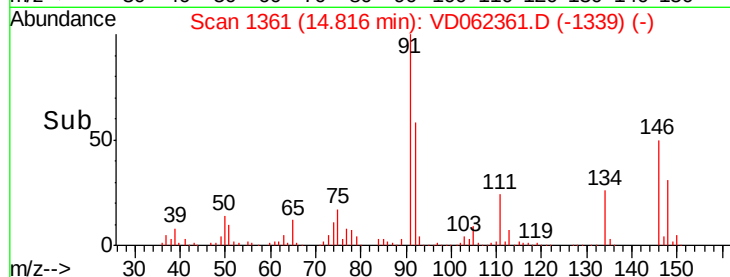
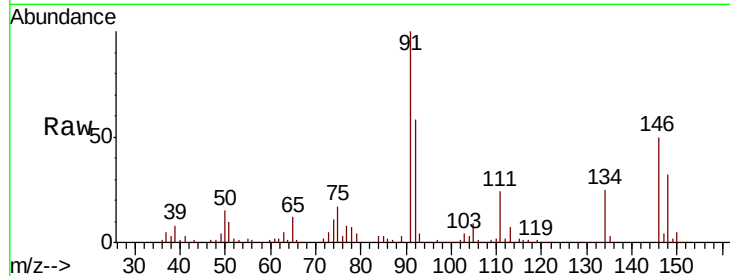
#91
 1,2-Dichlorobenzene
 Concen: 47.998 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.3	20.0	59.9
148	63.7	32.3	96.8

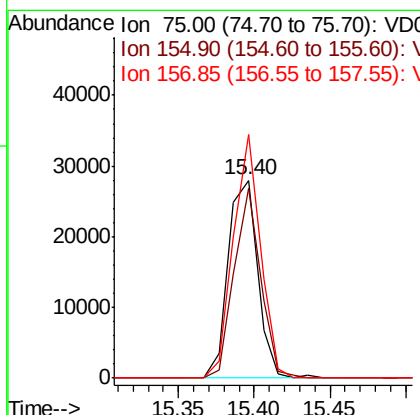
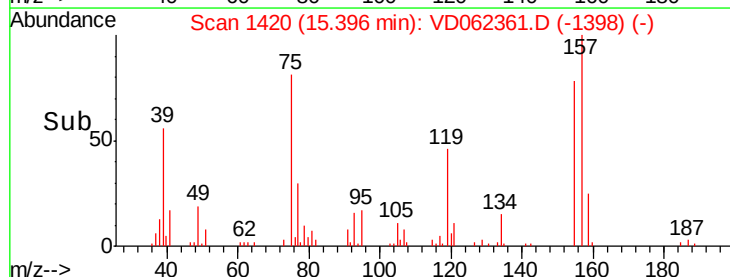
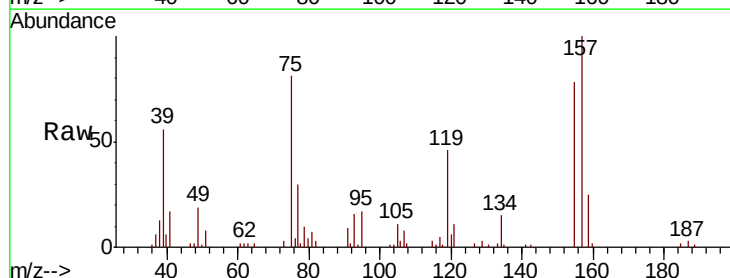
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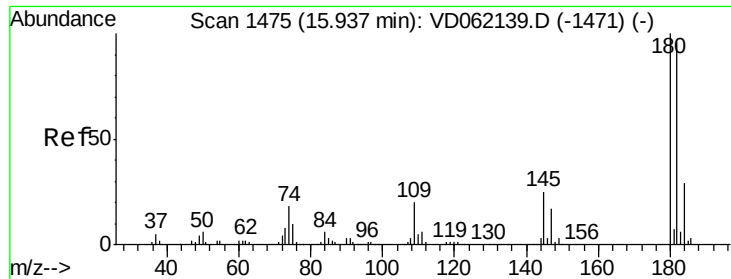
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.626 ug/l
 RT: 15.40 min Scan# 1420
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	55.3	165.8
157	122.9	67.8	203.2





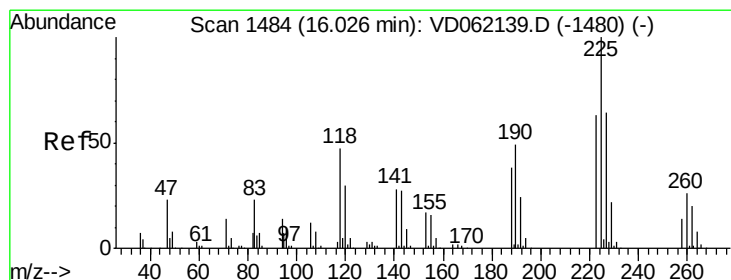
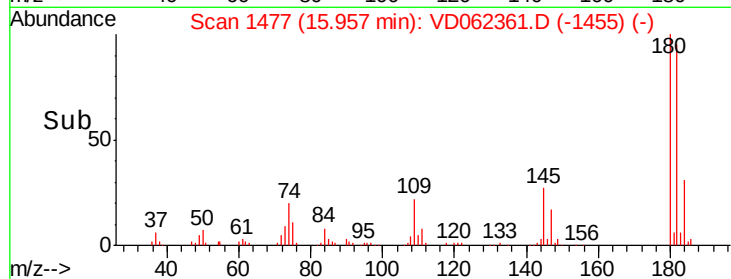
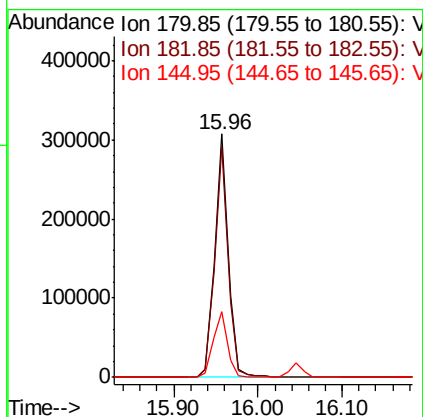
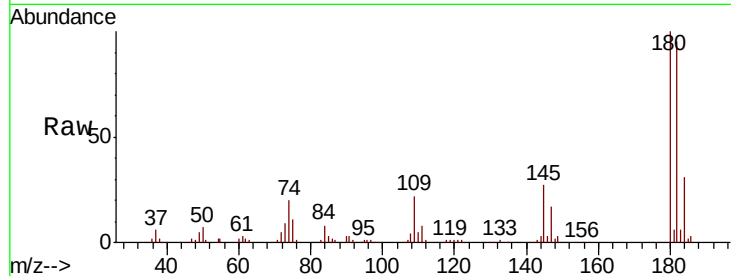
#93
 1,2,4-Trichlorobenzene
 Concen: 50.425 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	345522		
182	95.1	49.3	147.8	
145	26.9	16.2	48.6	

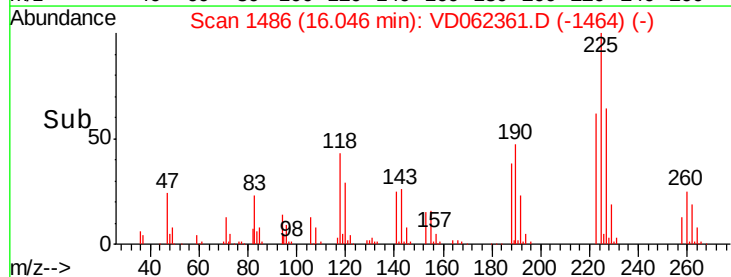
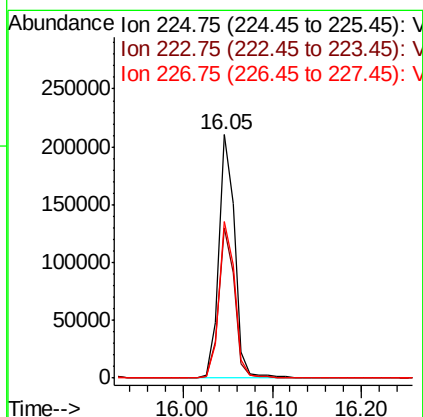
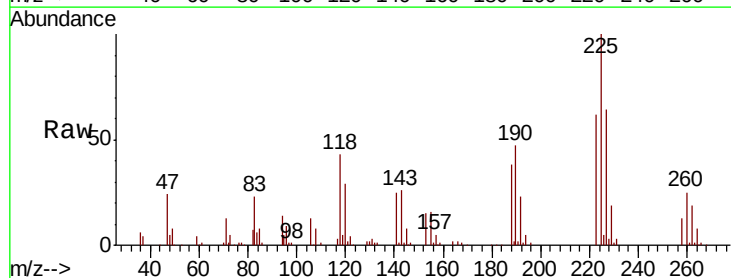
Manual Integrations
 APPROVED

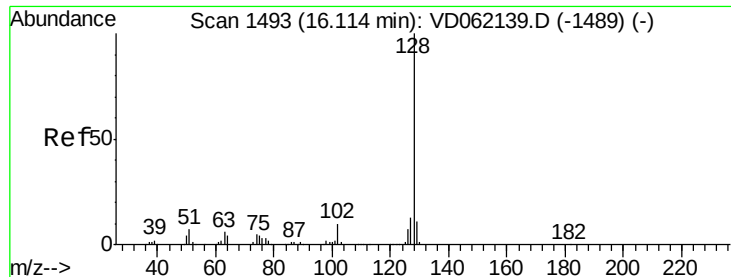
MMDadoda
 5/15/2019 9:45:52 AM



#94
 Hexachlorobutadiene
 Concen: 51.952 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD062361.D
 Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	264767		
223	61.7	30.6	92.0	
227	64.4	32.0	96.2	





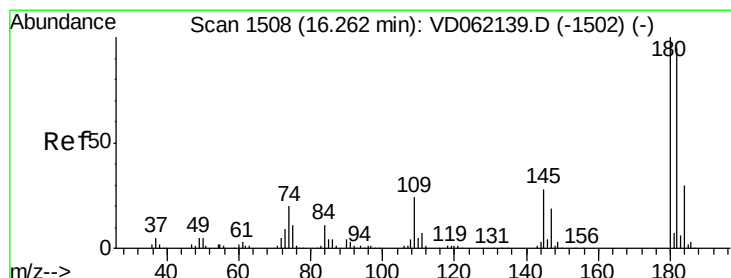
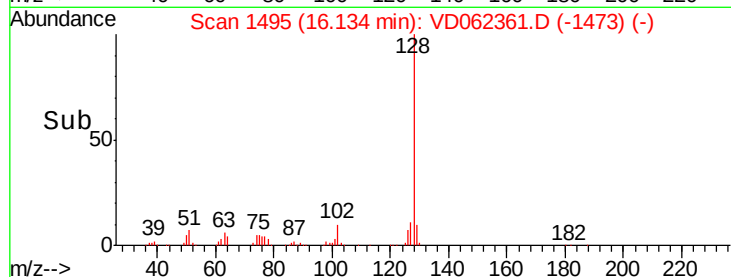
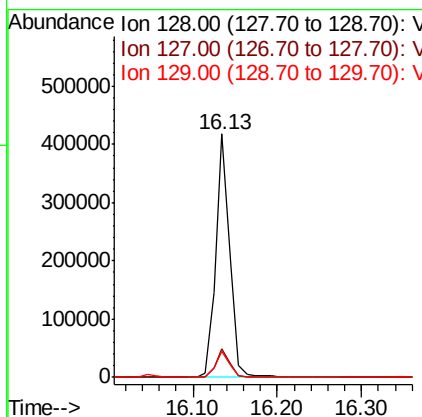
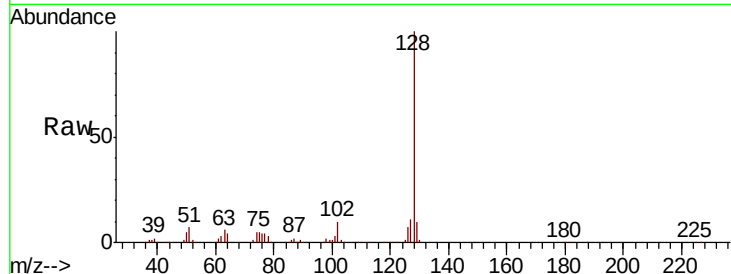
#95
Naphthalene
Concen: 49.915 ug/l
RT: 16.13 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	477504		
127	11.5	9.8	14.8	
129	10.4	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
5/15/2019 9:45:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 60.273 ug/l
RT: 16.28 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD062361.D
Acq: 14 May 2019 22:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	259667		
182	98.8	47.0	141.0	
145	30.3	17.0	51.0	

