

Data File : VD062238.D
Acq On : 11 May 2019 15:36
Operator : FY/SY
Sample : K2718-09MS
Misc : 4.47g/5mL/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Manual Integrations
APPROVED

MMDadoda
5/12/2019 1:22:43 PM

Quant Time: May 11 22:57:02 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	7.04	168	351268	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	486846	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	303987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	82423	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	186688	57.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	114.38%	
35) Dibromofluoromethane	6.91	113	218035	53.98	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.96%	
50) Toluene-d8	10.40	98	386438	39.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.36%	
62) 4-Bromofluorobenzene	13.55	95	100506	25.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	51.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	221071	65.803	ug/l	96
3) Chloromethane	1.74	50	154192	63.518	ug/l	97
4) Vinyl Chloride	1.84	62	147141	61.675	ug/l	95
5) Bromomethane	2.15	94	61662	110.304	ug/l	88
6) Chloroethane	2.26	64	77852	77.767	ug/l	100
7) Trichlorofluoromethane	2.53	101	346161	74.632	ug/l	97
8) Diethyl Ether	2.86	74	60960	68.147	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	209008	59.569	ug/l	96
10) Methyl Iodide	3.30	142	273211	51.521	ug/l	90
11) Tert butyl alcohol	4.06	59	66291	397.837	ug/l	98
12) 1,1-Dichloroethene	3.12	96	163803	61.158	ug/l	90
13) Acrolein	3.02	56	10759	62.427	ug/l	87
14) Allyl chloride	3.61	41	231690	59.495	ug/l	88
15) Acrylonitrile	4.18	53	154811	353.469	ug/l	86
16) Acetone	3.21	43	208912	305.170	ug/l #	89
17) Carbon Disulfide	3.37	76	318970	41.399	ug/l	98
18) Methyl Acetate	3.63	43	395427	324.635	ug/l	98
19) Methyl tert-butyl Ether	4.22	73	458192	79.812	ug/l	94
20) Methylene Chloride	3.80	84	186260	65.163	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	147367	49.445	ug/l	98
22) Diisopropyl ether	5.11	45	596130	71.935	ug/l #	88
23) Vinyl Acetate	5.11	43	256914	58.759	ug/l #	77
24) 1,1-Dichloroethane	4.97	63	348987	69.808	ug/l	99
25) 2-Butanone	6.05	43	257308	344.590	ug/l	97
26) 2,2-Dichloropropane	6.01	77	340116	68.298	ug/l	91
27) cis-1,2-Dichloroethene	6.02	96	189428	56.782	ug/l	93
28) Bromochloromethane	6.43	49	147117	74.797	ug/l	93
29) Tetrahydrofuran	6.45	42	136030	395.376	ug/l	95
30) Chloroform	6.65	83	424816	70.509	ug/l	97
31) Cyclohexane	6.94	56	180416	52.676	ug/l	95
32) 1,1,1-Trichloroethane	6.86	97	408016	71.648	ug/l	98
36) 1,1-Dichloropropene	7.14	75	192979	48.345	ug/l	93
37) Ethyl Acetate	6.16	43	35312	20.860	ug/l	93
38) Carbon Tetrachloride	7.11	117	365122m	66.087	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	119559	31.261	ug/l	99
40) Benzene	7.45	78	546945	60.680	ug/l	98
41) Methacrylonitrile	6.44	41	157087	75.935	ug/l #	79
42) 1,2-Dichloroethane	7.57	62	310243	81.238	ug/l	92
43) Isopropyl Acetate	9.23	43	27118	11.295	ug/l	100
44) Trichloroethene	8.53	130	161260	46.950	ug/l	86
45) 1,2-Dichloropropane	8.93	63	152351	68.333	ug/l	99
46) Dibromomethane	9.05	93	123279	67.996	ug/l	90
47) Bromodichloromethane	9.37	83	323976	73.054	ug/l	99
48) Methyl methacrylate	9.11	41	163252	110.396	ug/l #	86
49) 1,4-Dioxane	9.07	88	26514	1661.755	ug/l #	86
51) 4-Methyl-2-Pentanone	10.29	43	586619	380.120	ug/l	93
52) Toluene	10.50	92	303455	51.743	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	207139	54.043	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	228627	54.678	ug/l #	87
55) 1,1,2-Trichloroethane	11.18	97	144797	69.780	ug/l	96
56) Ethyl methacrylate	11.03	69	39873	18.492	ug/l #	82
57) 1,3-Dichloropropane	11.41	76	216640	69.106	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	413969	351.464	ug/l	100
59) 2-Hexanone	11.52	43	364218	320.211	ug/l	90
60) Dibromochloromethane	11.68	129	234140	65.290	ug/l	100
61) 1,2-Dibromoethane	11.80	107	150746	59.754	ug/l	93
64) Tetrachloroethene	11.26	164	117080	49.254	ug/l	91
65) Chlorobenzene	12.39	112	289063	51.055	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	212022	86.044	ug/l	96
67) Ethyl Benzene	12.52	91	568371	59.962	ug/l	98
68) m/p-Xylenes	12.66	106	357363	103.625	ug/l	86
69) o-Xylene	13.05	106	211844	66.075	ug/l	91
70) Styrene	13.07	104	282017	51.925	ug/l	96
71) Bromoform	13.23	173	143642	83.787	ug/l	100
73) Isopropylbenzene	13.39	105	471538	95.440	ug/l	92
74) N-amyl acetate	13.27	43	7483	5.777	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	148823	159.112	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	139108	142.015	ug/l	96
77) Bromobenzene	13.67	156	127515	92.196	ug/l	98
78) n-propylbenzene	13.77	91	398520	67.618	ug/l	95
79) 2-Chlorotoluene	13.84	91	300867	89.135	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	399995	96.142	ug/l	94
81) trans-1,4-Dichloro-2-buten	13.47	75	33393	120.759	ug/l #	80
82) 4-Chlorotoluene	13.95	91	282037	71.006	ug/l	86
83) tert-Butylbenzene	14.19	119	465116	99.462	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	372437	89.206	ug/l	89
85) sec-Butylbenzene	14.37	105	298254	58.171	ug/l	98
86) p-Isopropyltoluene	14.49	119	310065	67.688	ug/l	92
87) 1,3-Dichlorobenzene	14.46	146	128453	50.841	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	121838	49.078	ug/l	97
89) n-Butylbenzene	14.79	91	159789	38.863	ug/l	92
90) Hexachloroethane	15.01	117	102228	82.062	ug/l	71
91) 1,2-Dichlorobenzene	14.80	146	133547	64.181	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	20983	136.664	ug/l	89

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

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	35975	23.753	ug/l	96
94) Hexachlorobutadiene	16.03	225	32538	28.885	ug/l	99
95) Naphthalene	16.12	128	103901	49.139	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	31366	32.939	ug/l	94

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

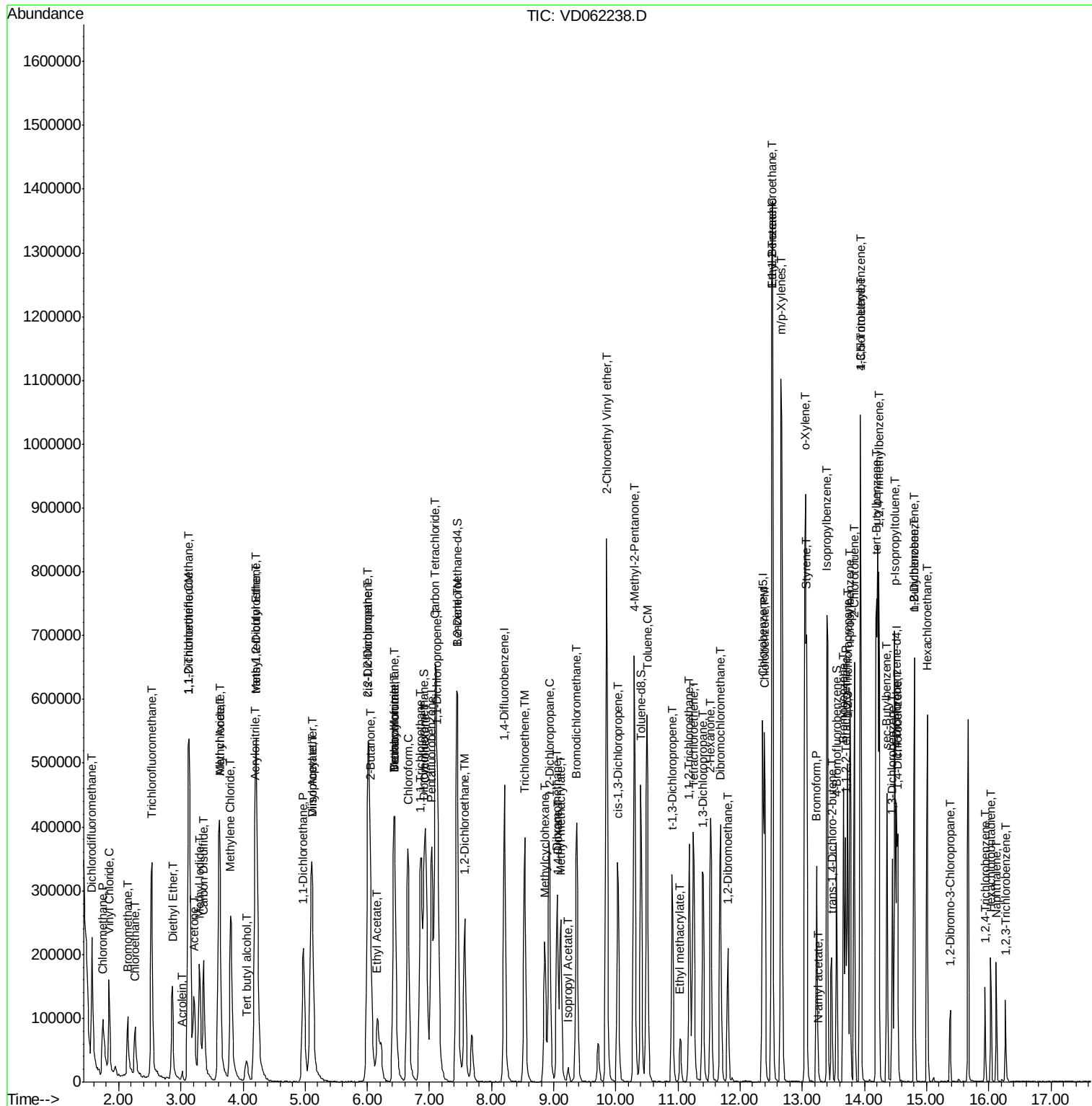
Data File : VD062238.D
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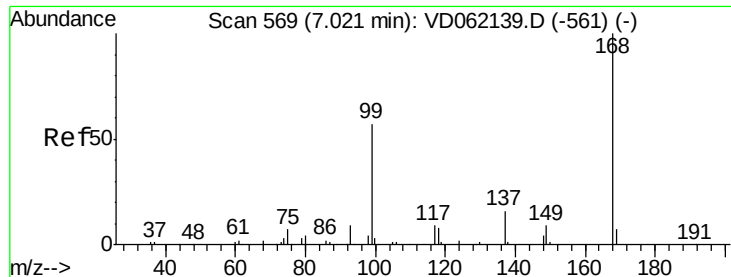
Instrument :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD062238.D

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Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion: 168 Resp: 351268

Ion Ratio Lower Upper

168 100

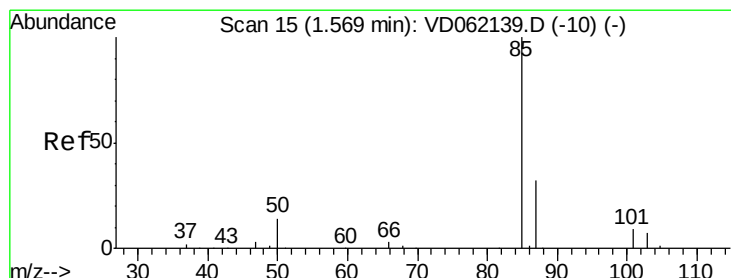
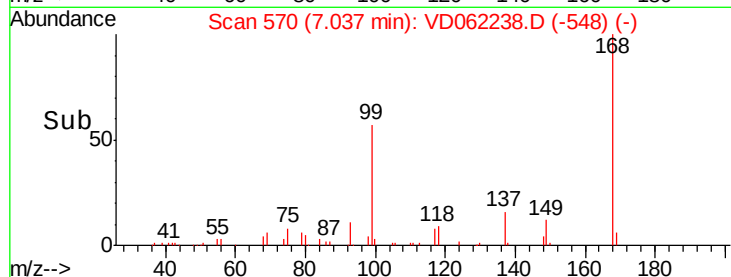
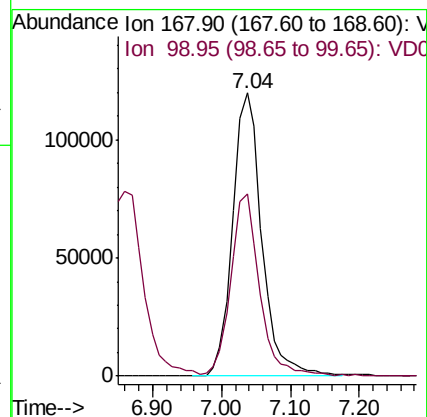
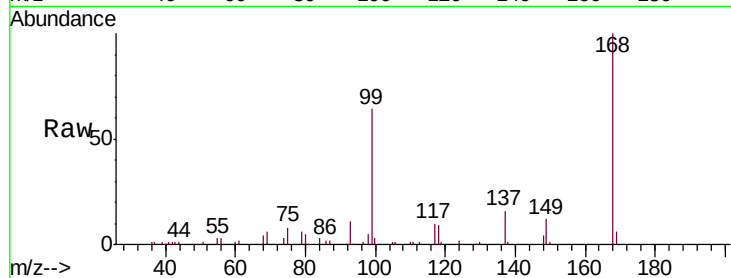
99 64.3 46.5 69.7

Manual Integrations

APPROVED

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#2

Dichlorodifluoromethane

Concen: 65.803 ug/l

RT: 1.57 min Scan# 14

Delta R.T. -0.00 min

Lab File: VD062238.D

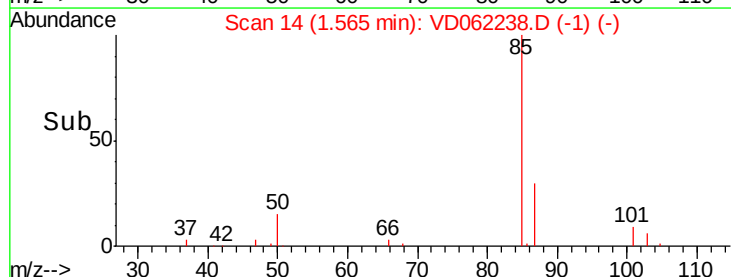
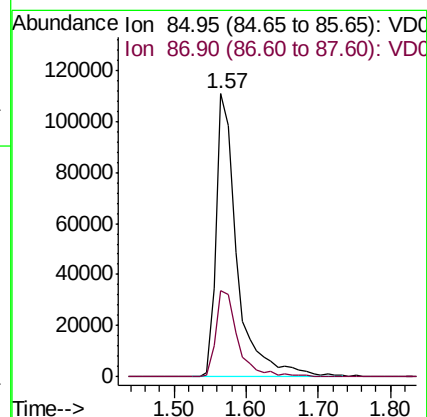
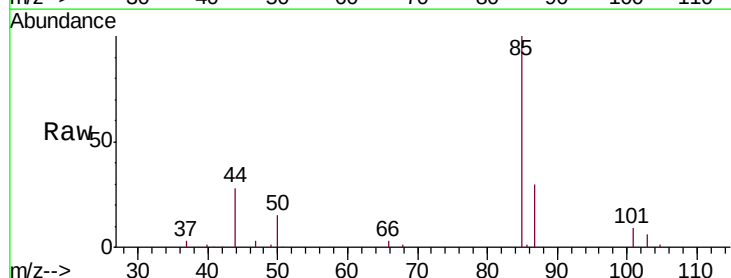
Acq: 11 May 2019 15:36

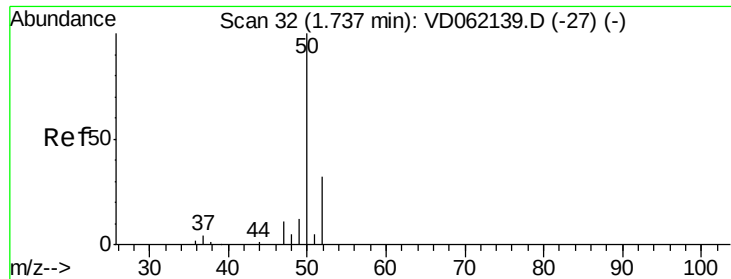
Tgt Ion: 85 Resp: 221071

Ion Ratio Lower Upper

85 100

87 30.3 16.2 48.6





#3

Chloromethane

Concen: 63.518 ug/l

RT: 1.74 min Scan# 32

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion: 50 Resp: 154192

Ion Ratio Lower Upper

50 100

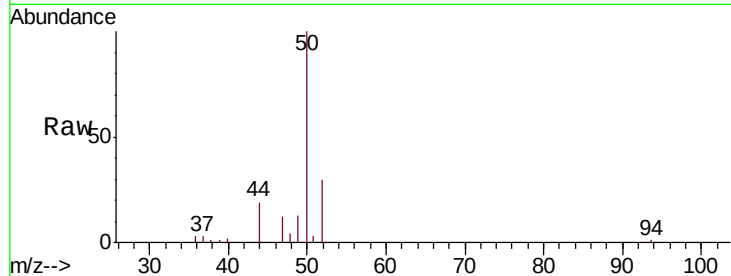
52 29.9 25.2 37.8

Manual Integrations

APPROVED

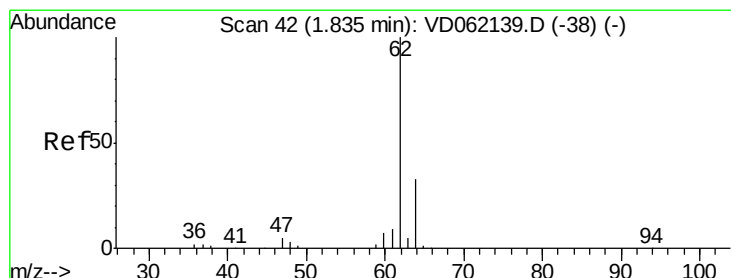
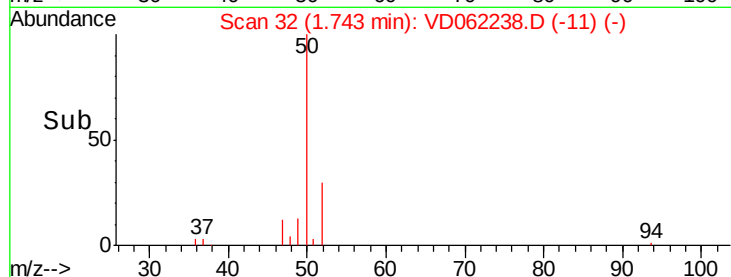
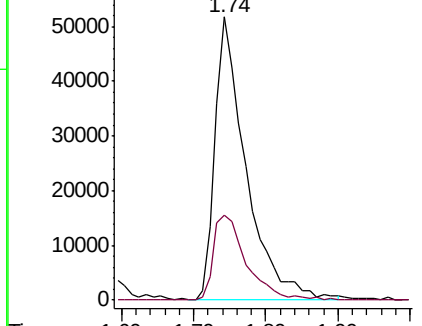
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 61.675 ug/l

RT: 1.84 min Scan# 42

Delta R.T. 0.01 min

Lab File: VD062238.D

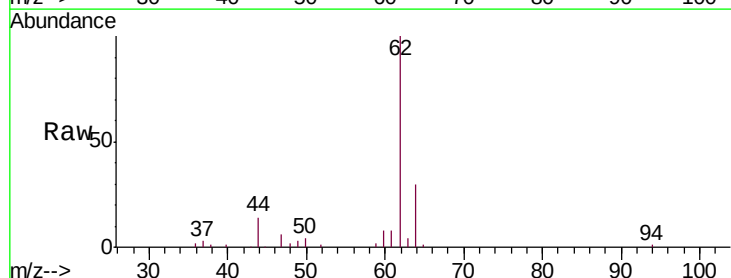
Acq: 11 May 2019 15:36

Tgt Ion: 62 Resp: 147141

Ion Ratio Lower Upper

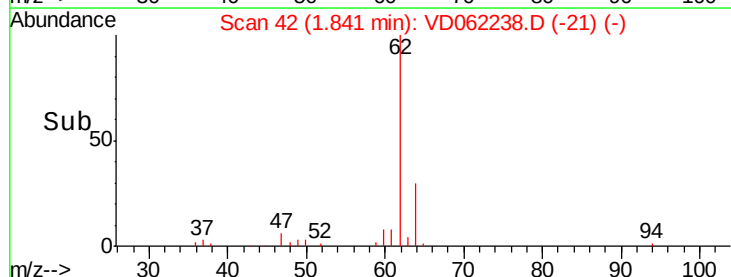
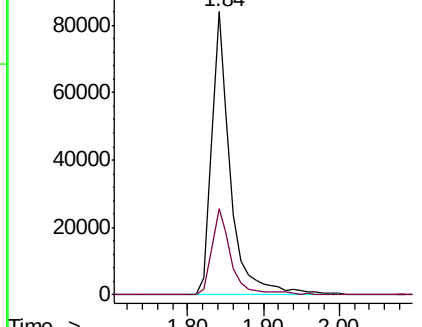
62 100

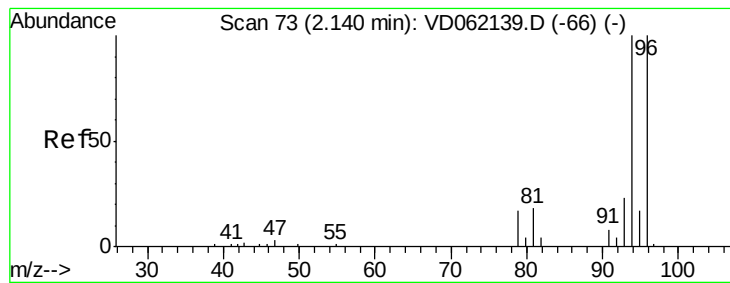
64 30.4 26.5 39.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 110.304 ug/l

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

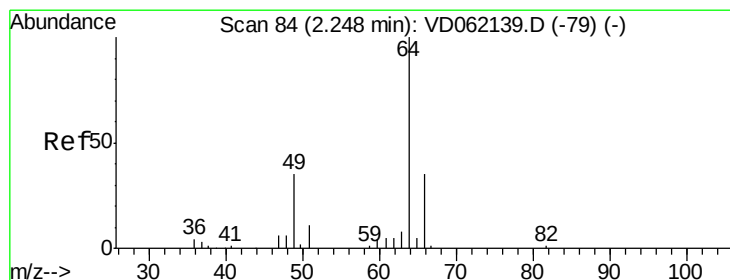
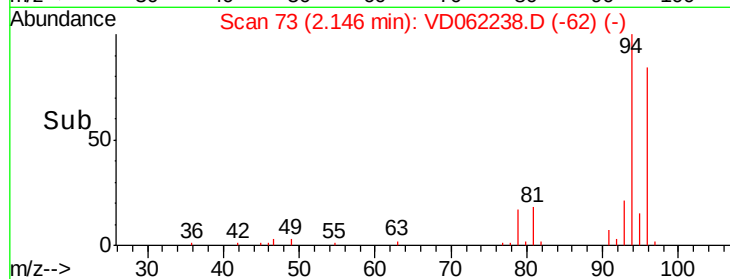
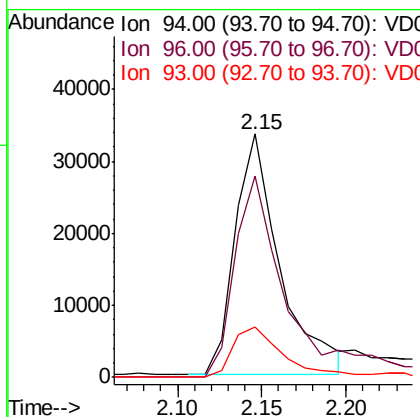
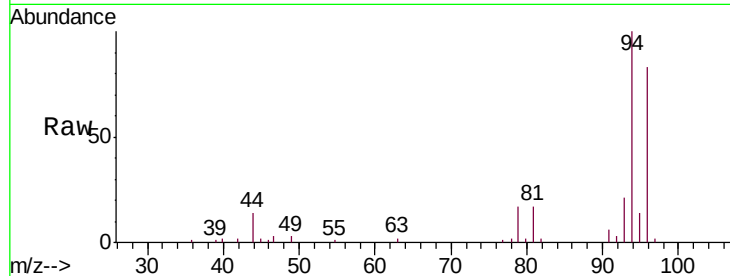
ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion:	94	Resp:	61662
Ion	Ratio	Lower	Upper
94	100		
96	82.7	76.6	115.0
93	20.9	18.5	27.7

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#6

Chloroethane

Concen: 77.767 ug/l

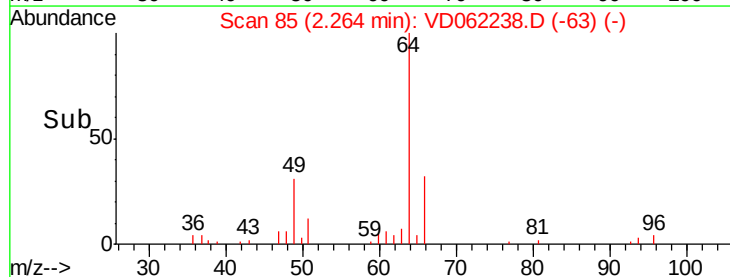
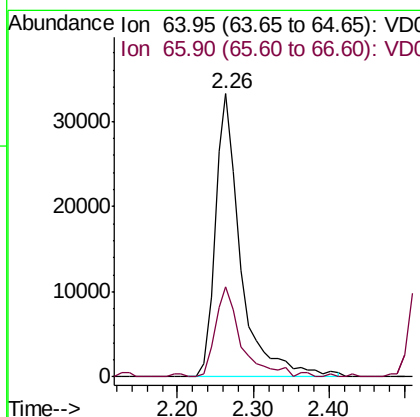
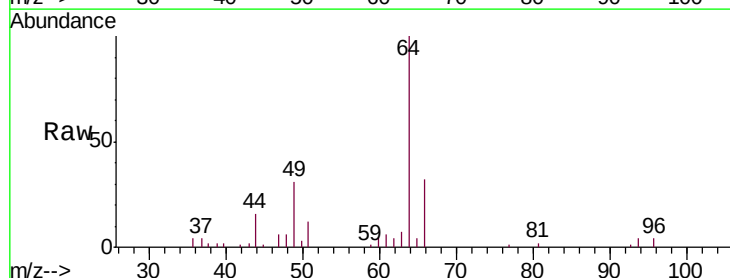
RT: 2.26 min Scan# 85

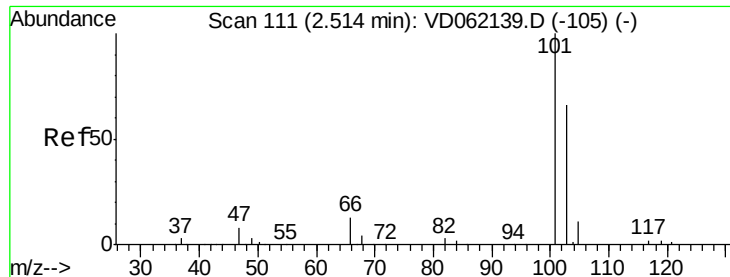
Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Tgt Ion:	64	Resp:	77852
Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.6	38.4





#7

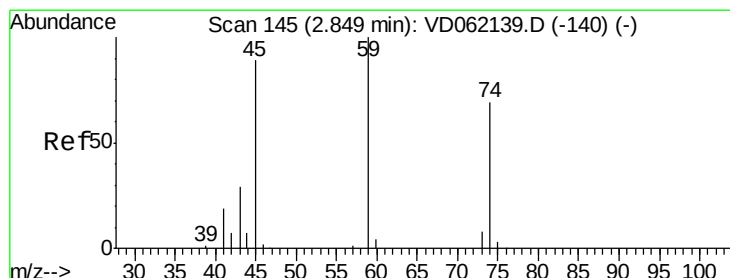
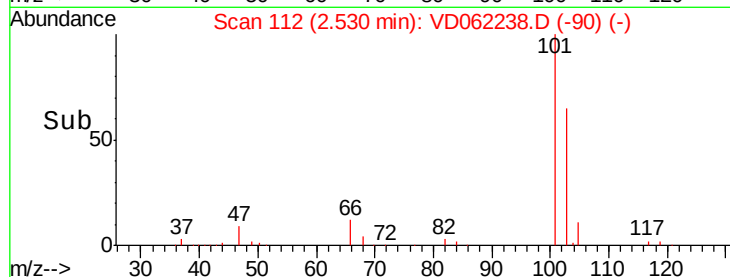
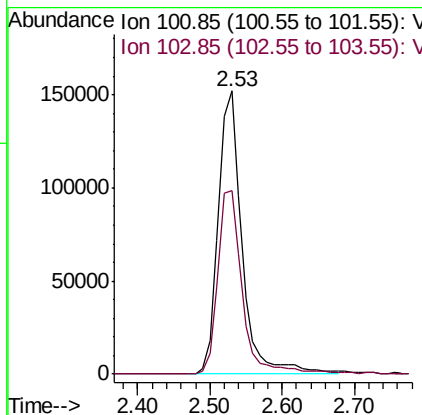
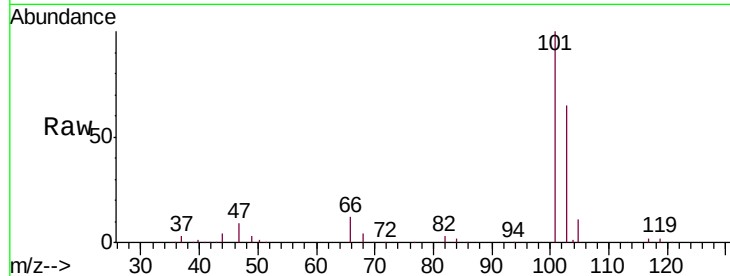
Trichlorofluoromethane
Concen: 74.632 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	346161		
103	64.9	53.6	80.4	

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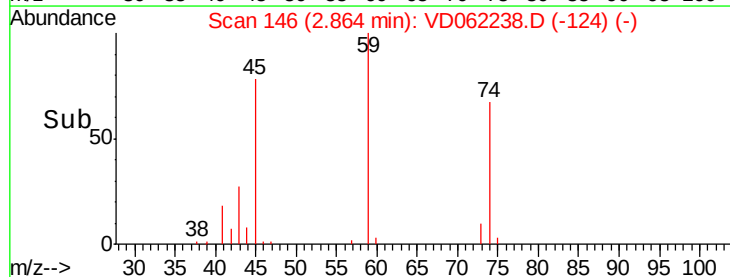
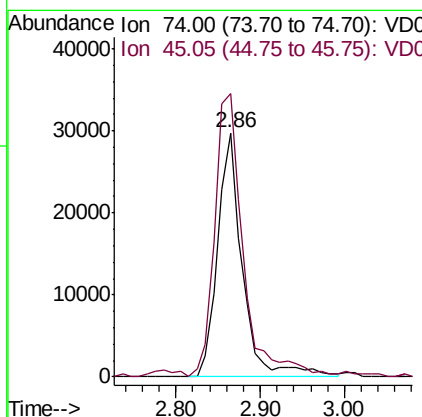
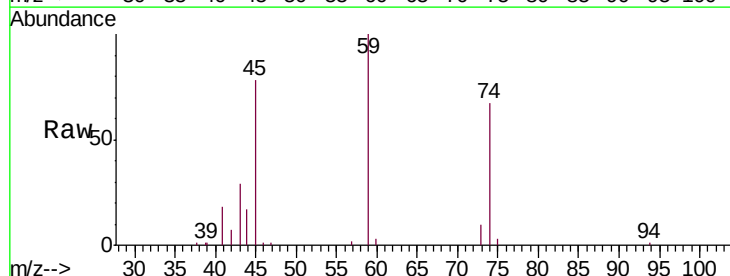
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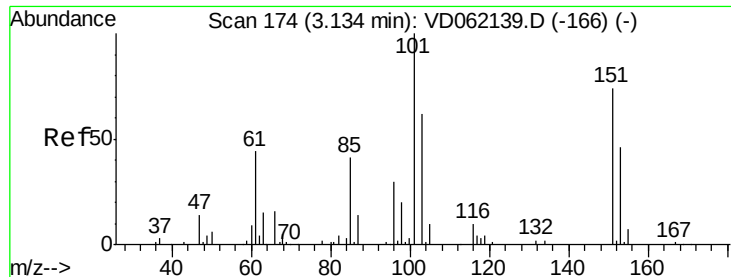


#8

Diethyl Ether
Concen: 68.147 ug/l
RT: 2.86 min Scan# 146
Delta R.T. 0.02 min
Lab File: VD062238.D
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Tgt Ion	Ratio	Resp	Lower	Upper
74	100	60960		
45	116.0	56.9	170.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 59.569 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

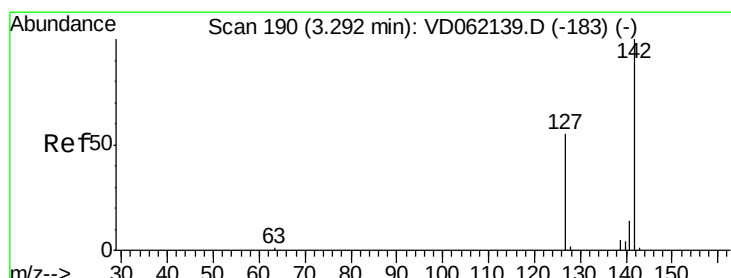
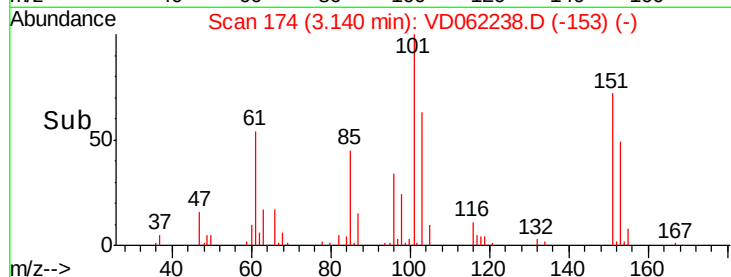
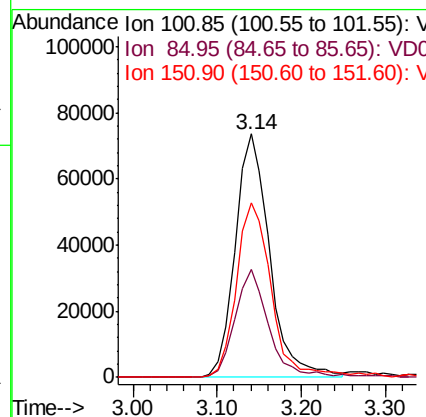
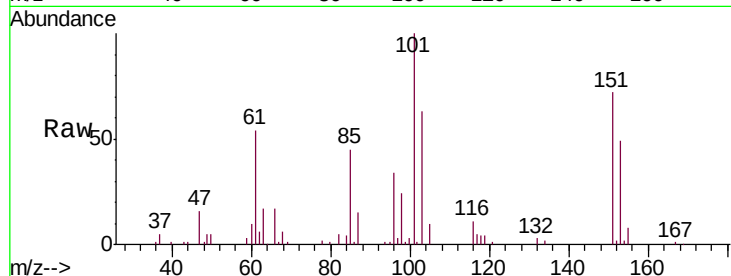
ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	209008		
85	44.5	32.4	48.6	
151	71.8	59.4	89.0	

Manual Integrations
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#10

Methyl Iodide

Concen: 51.521 ug/l

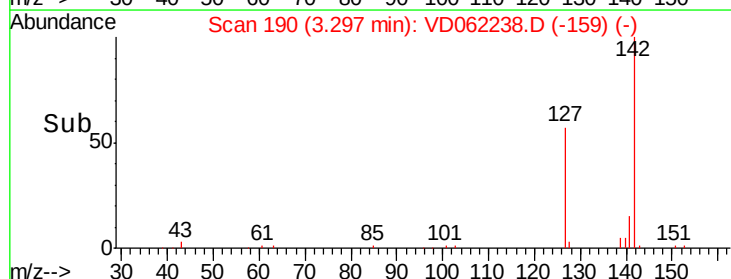
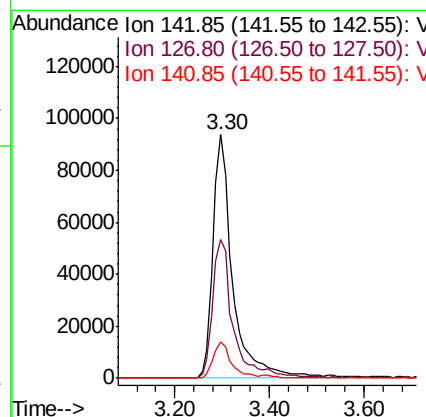
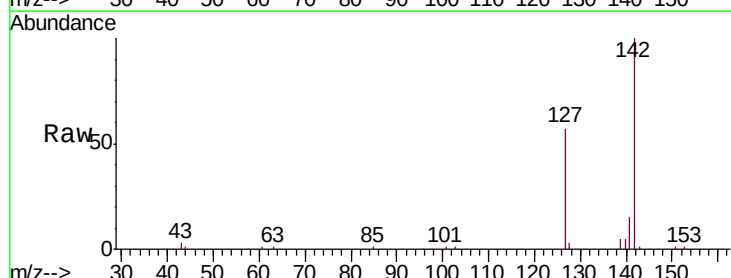
RT: 3.30 min Scan# 190

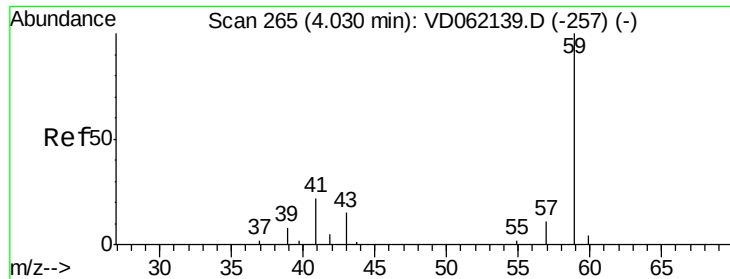
Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	273211		
127	57.0	38.8	58.2	
141	14.9	11.4	17.0	





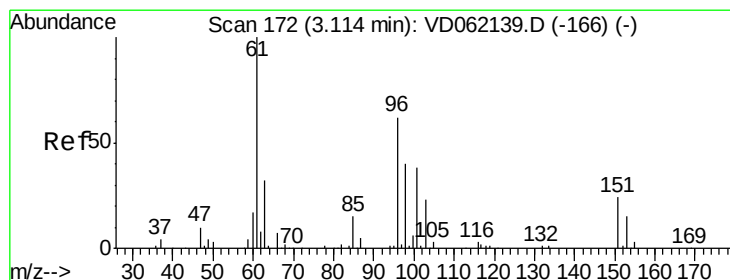
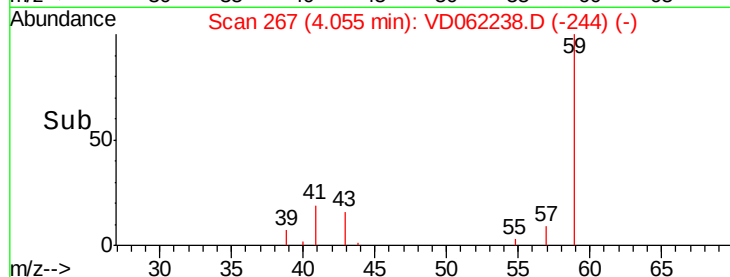
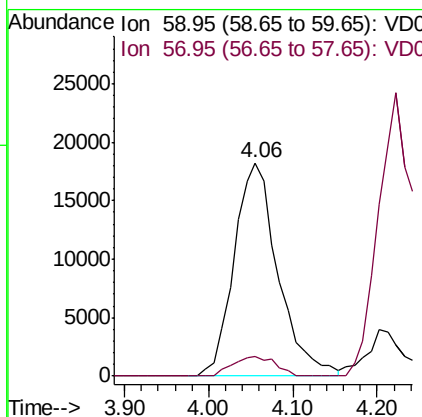
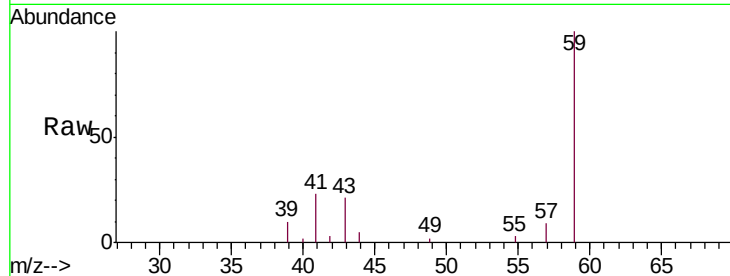
#11
Tert butyl alcohol
Concen: 397.837 ug/l
RT: 4.06 min Scan# 267
Delta R.T. 0.03 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion: 59 Resp: 66291
Ion Ratio Lower Upper
59 100
57 9.3 6.9 10.3

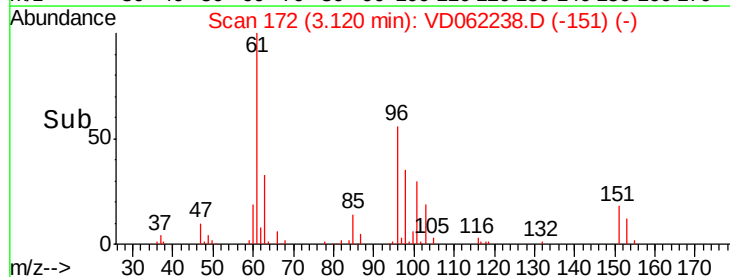
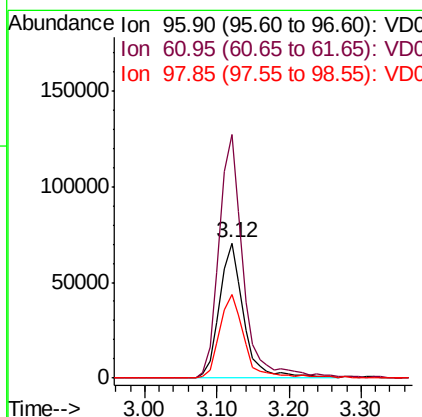
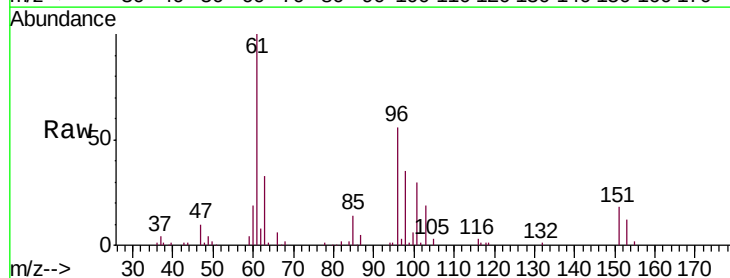
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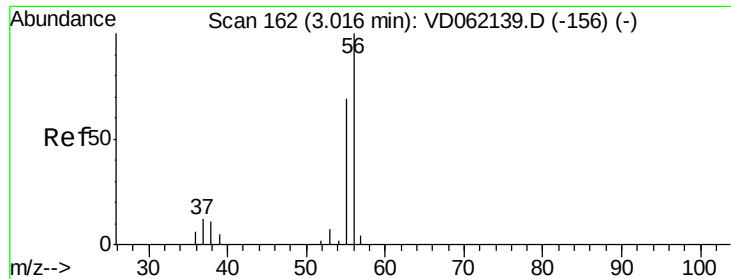
MMDadoda
5/12/2019 1:22:43 PM



#12
1,1-Dichloroethene
Concen: 61.158 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 96 Resp: 163803
Ion Ratio Lower Upper
96 100
61 180.1 129.8 194.8
98 62.3 51.2 76.8





#13

Acrolein

Concen: 62.427 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion: 56 Resp: 10759

Ion Ratio Lower Upper

56 100

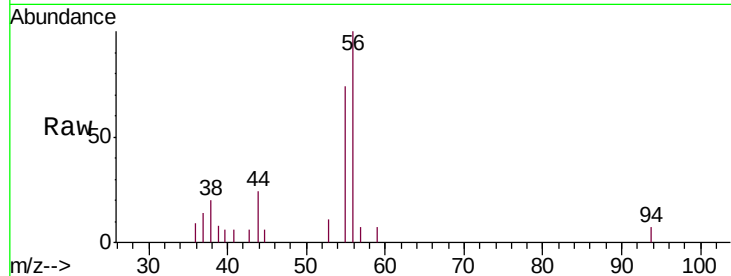
55 74.4 51.4 77.2

Manual Integrations

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

6000

5000

4000

3000

2000

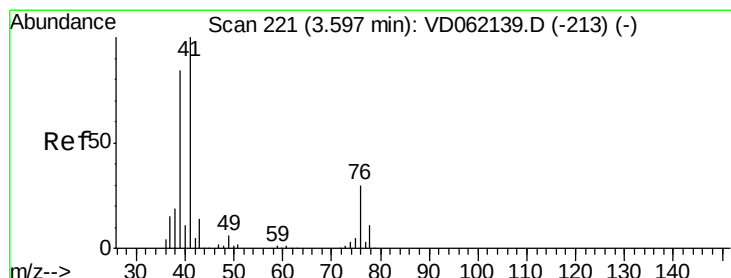
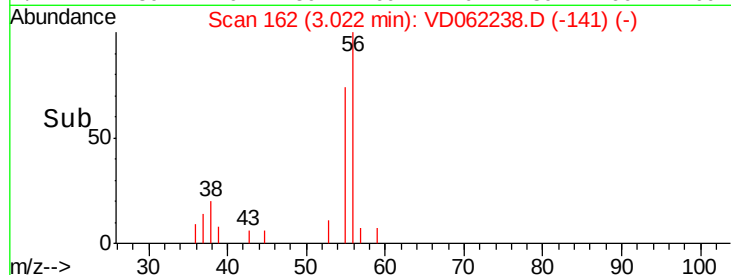
1000

0

Time-->

2.95 3.00 3.05 3.10

3.02



#14

Allyl chloride

Concen: 59.495 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

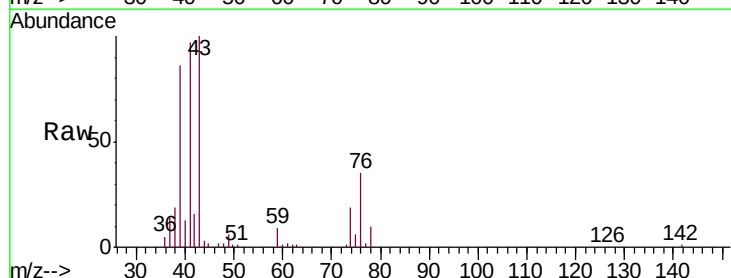
Tgt Ion: 41 Resp: 231690

Ion Ratio Lower Upper

41 100

39 89.0 60.5 90.7

76 36.4 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

100000

80000

60000

40000

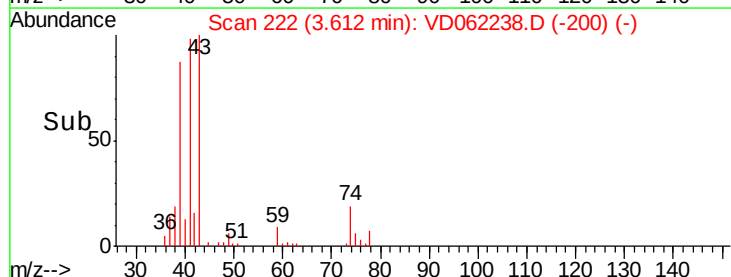
20000

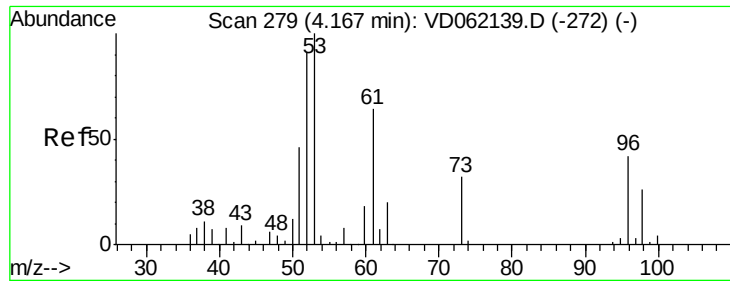
0

Time-->

3.50 3.60 3.70 3.80

3.61





#15

Acrylonitrile

Concen: 353.469 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

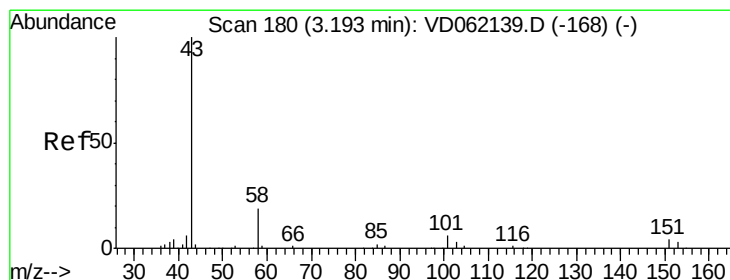
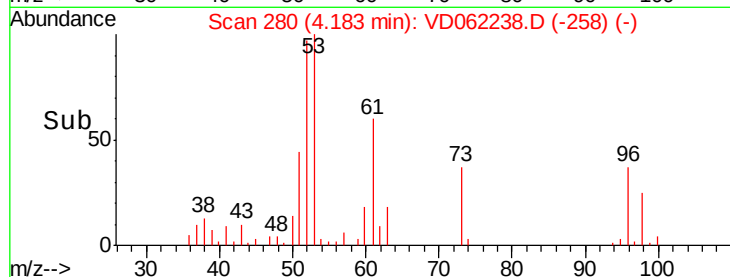
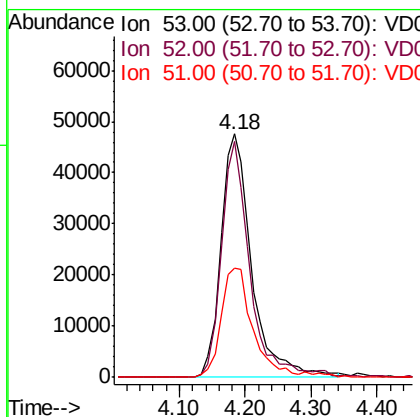
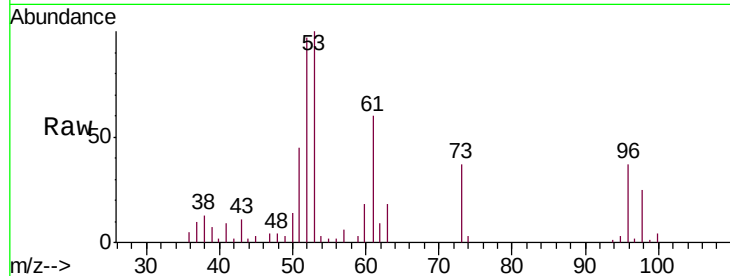
ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion:	53	Resp:	154811
Ion Ratio	Lower	Upper	
53	100		
52	96.8	65.0	97.4
51	44.9	32.6	48.8

Manual Integrations
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#16

Acetone

Concen: 305.170 ug/l

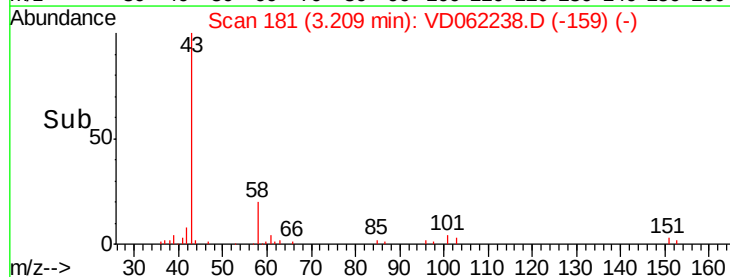
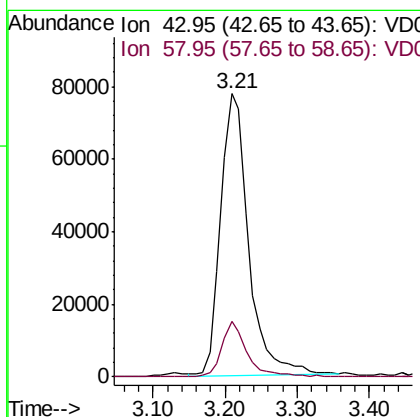
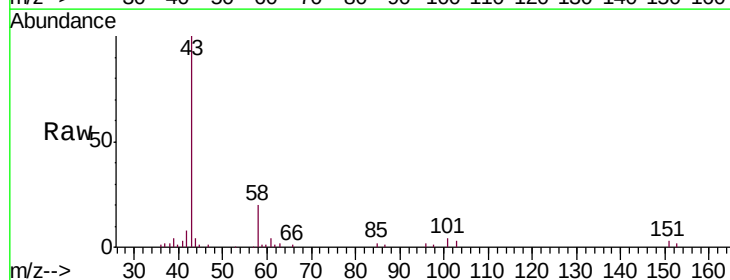
RT: 3.21 min Scan# 181

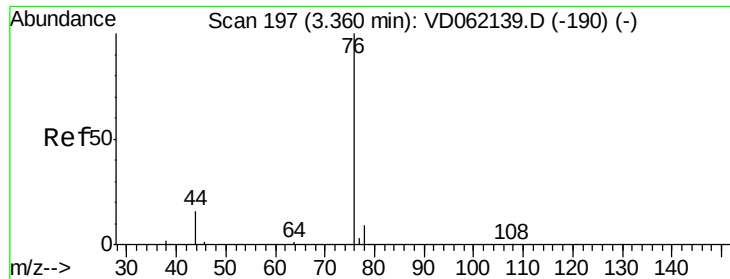
Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Tgt Ion:	43	Resp:	208912
Ion Ratio	Lower	Upper	
43	100		
58	19.6	19.9	29.9#





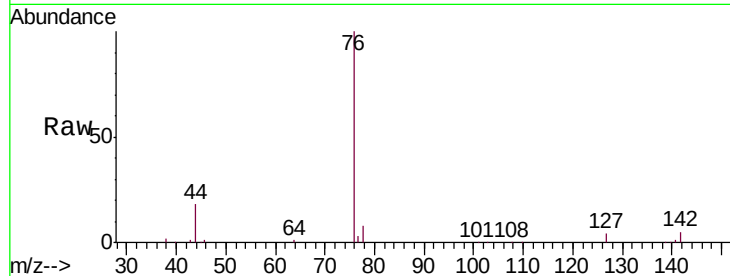
#17
Carbon Disulfide
Concen: 41.399 ug/l
RT: 3.37 min Scan# 197
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

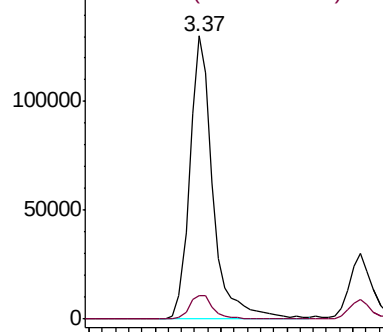
Tgt Ion: 76 Resp: 318970
Ion Ratio Lower Upper
76 100
78 8.3 7.2 10.8

Manual Integrations
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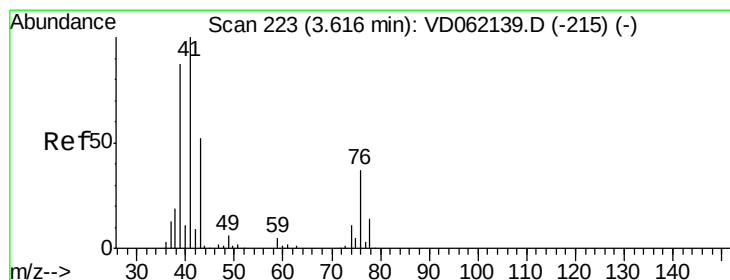
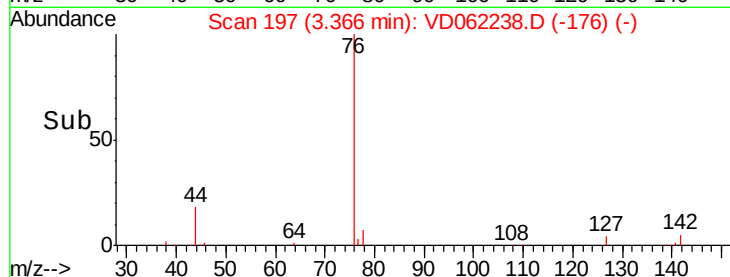
MMDadoda
5/12/2019 1:22:43 PM



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

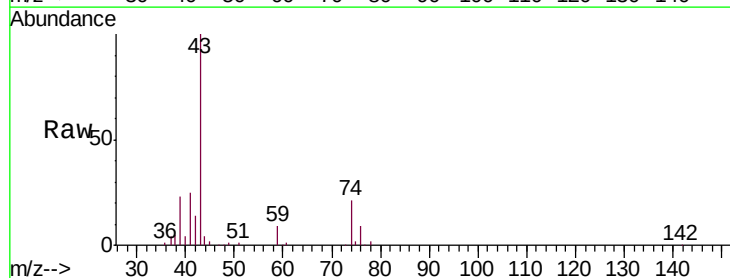


Time-->

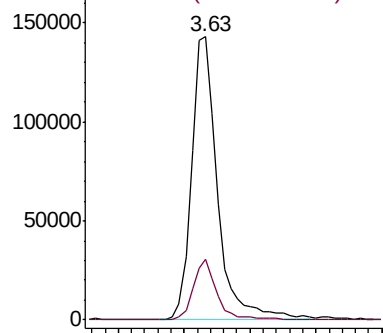


#18
Methyl Acetate
Concen: 324.635 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

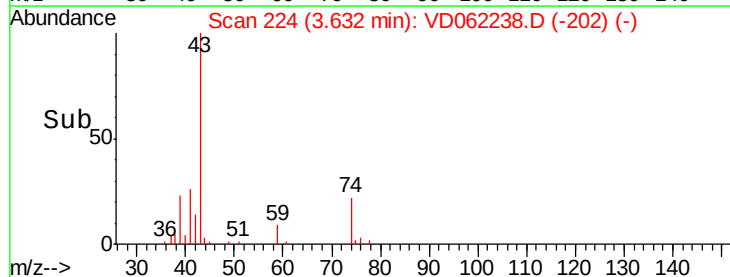
Tgt Ion: 43 Resp: 395427
Ion Ratio Lower Upper
43 100
74 21.4 18.0 27.0

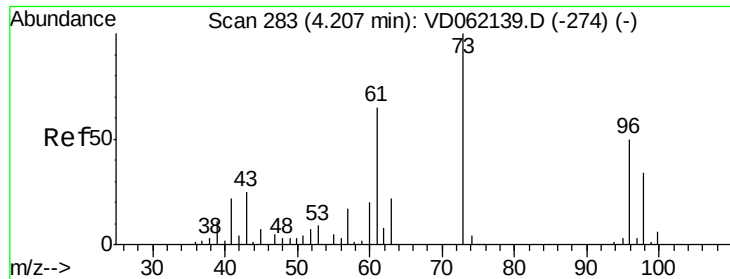


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



Time-->





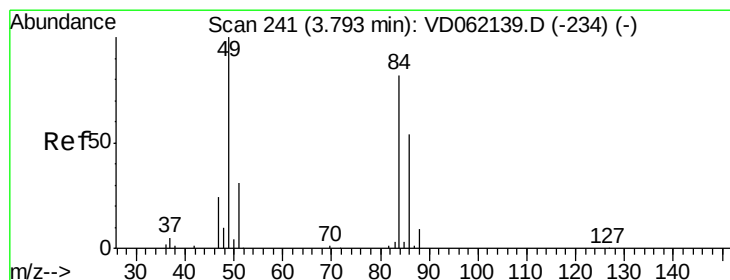
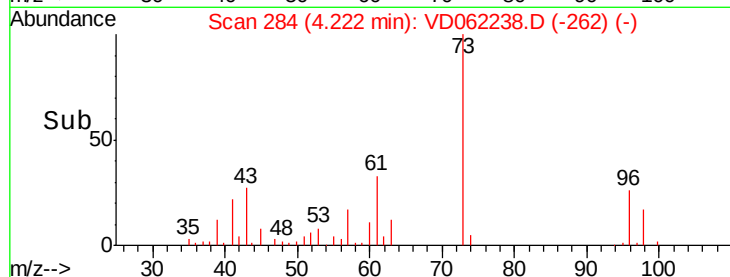
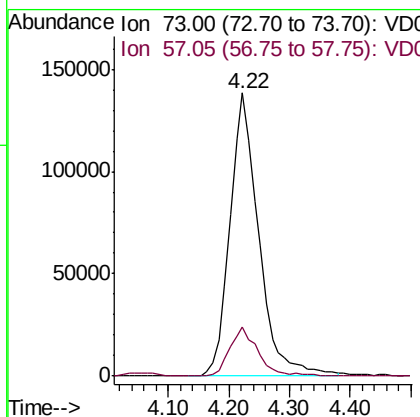
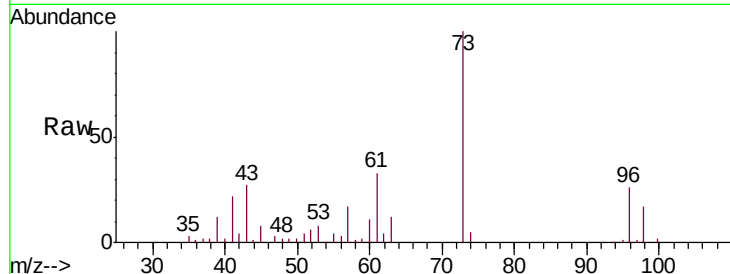
#19
Methyl tert-butyl Ether
Concen: 79.812 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion: 73 Resp: 458192
Ion Ratio Lower Upper
73 100
57 17.5 16.3 24.5

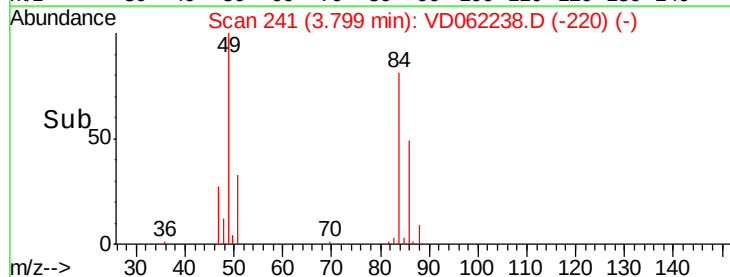
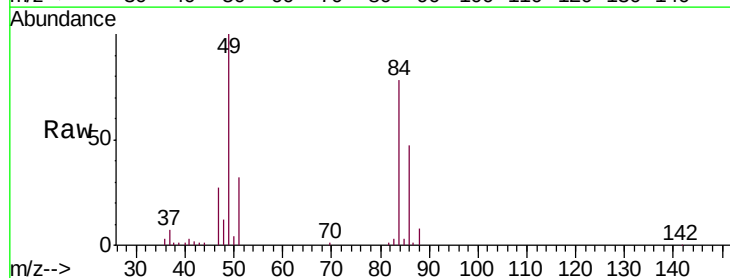
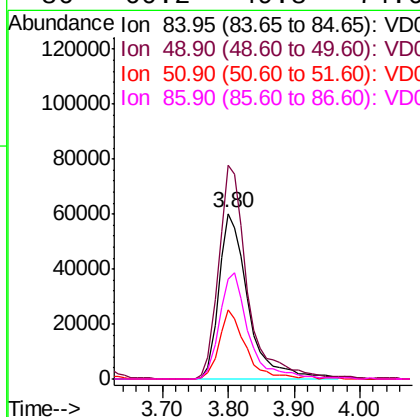
Manual Integrations
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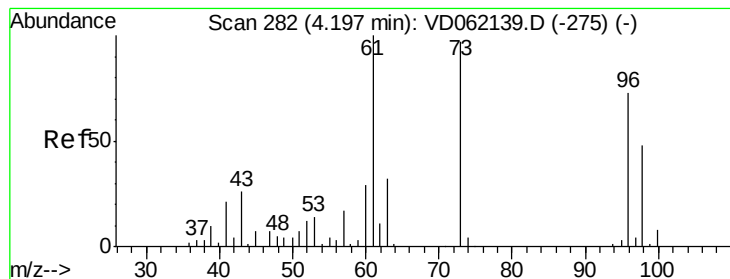
MMDadoda
5/12/2019 1:22:43 PM



#20
Methylene Chloride
Concen: 65.163 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 84 Resp: 186260
Ion Ratio Lower Upper
84 100
49 128.9 94.0 141.0
51 41.5 29.0 43.4
86 60.2 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 49.445 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion: 96 Resp: 147367

Ion Ratio Lower Upper

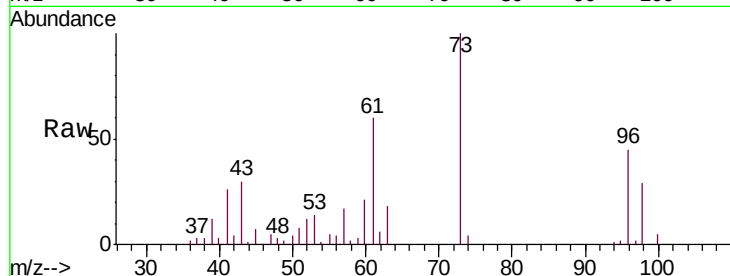
96 100

61 133.2 104.4 156.6

98 64.5 51.8 77.8

Manual Integrations
APPROVED

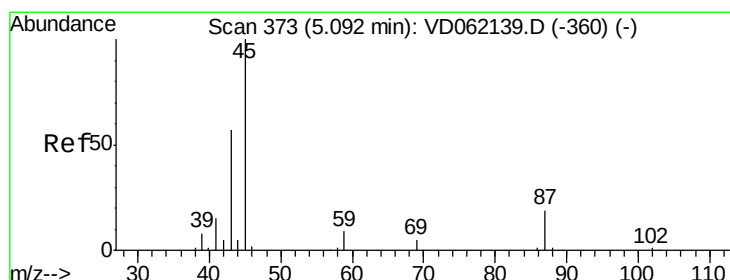
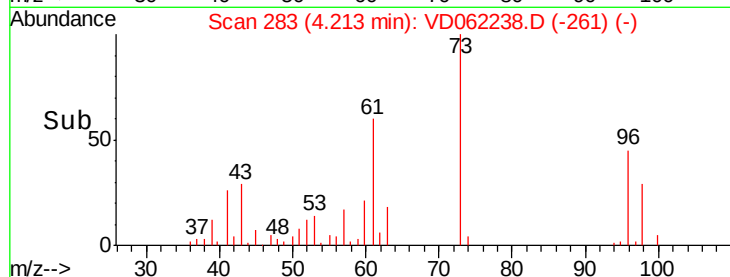
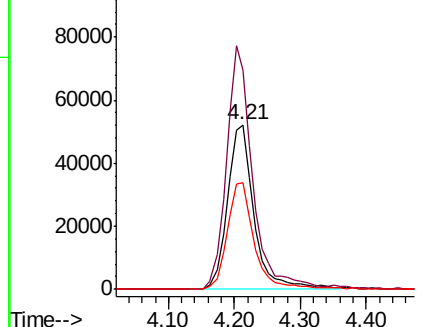
MMDadoda
5/12/2019 1:22:43 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 71.935 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Tgt Ion: 45 Resp: 596130

Ion Ratio Lower Upper

45 100

43 44.6 46.2 69.2#

87 19.4 15.9 23.9

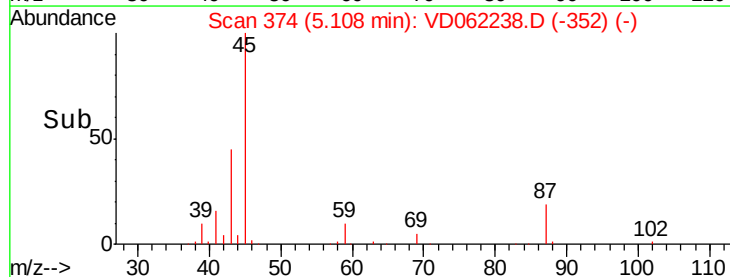
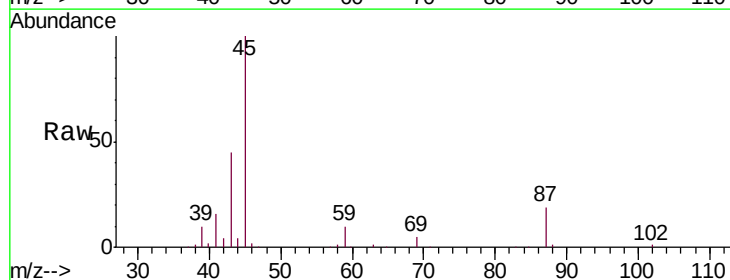
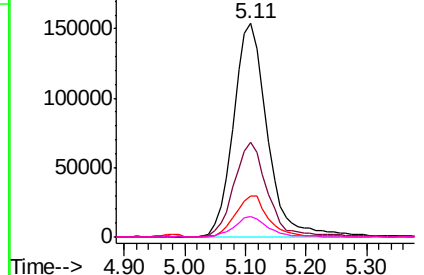
59 9.5 7.9 11.9

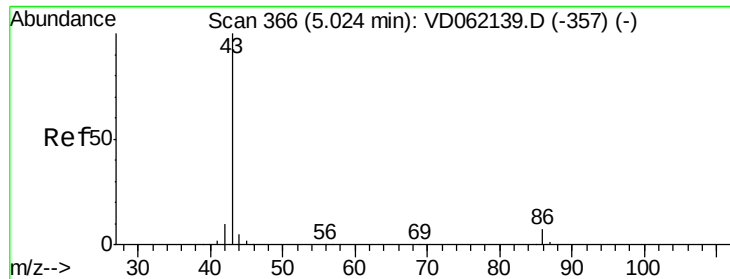
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 58.759 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.08 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

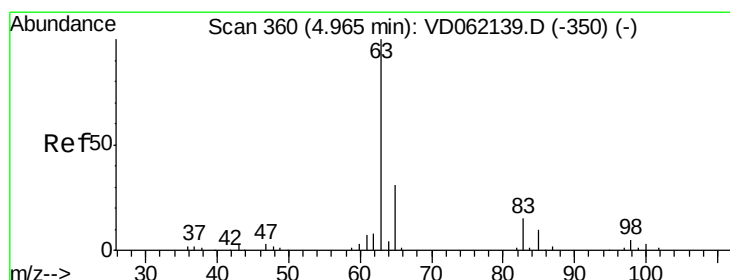
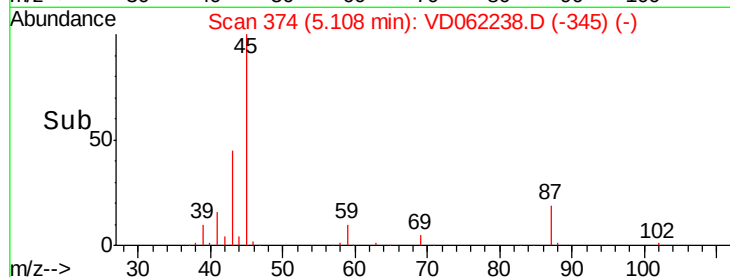
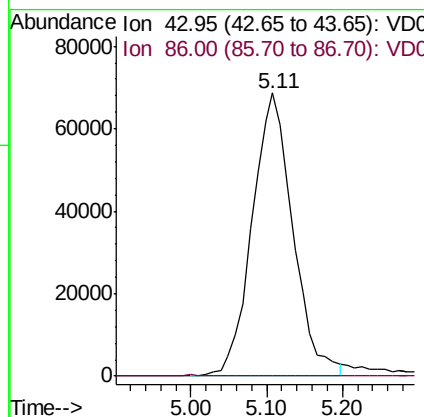
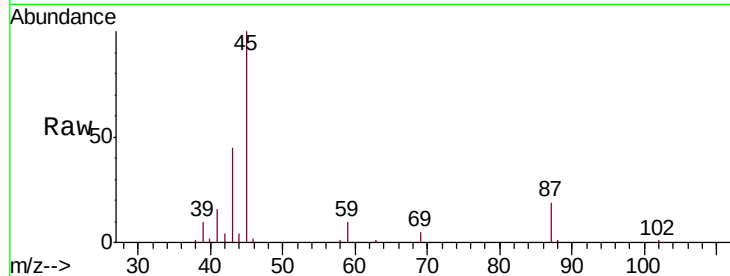
P026-SS006-0002-01MS

Tgt Ion: 43 Resp: 256914

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.4	9.6#

Manual Integrations
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MMDadoda
5/12/2019 1:22:43 PM



#24

1,1-Dichloroethane

Concen: 69.808 ug/l

RT: 4.97 min Scan# 360

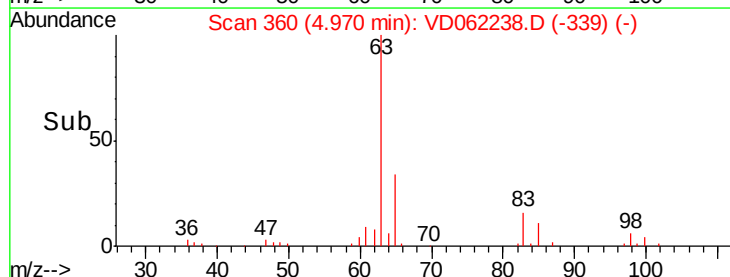
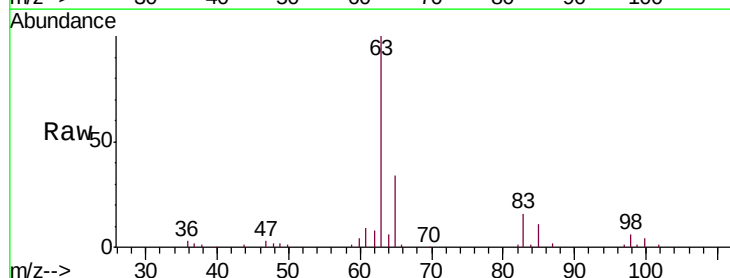
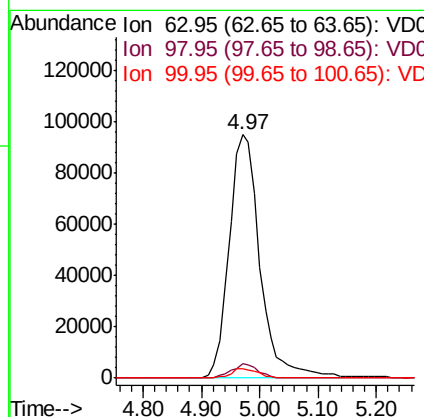
Delta R.T. 0.01 min

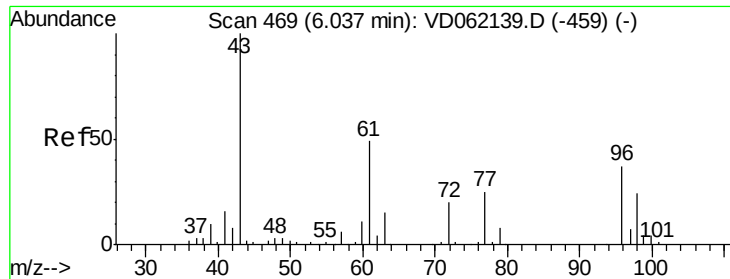
Lab File: VD062238.D

Acq: 11 May 2019 15:36

Tgt Ion: 63 Resp: 348987

Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.8	8.4
100	3.8	1.8	5.5





#25

2-Butanone

Concen: 344.590 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion: 43 Resp: 257308

Ion Ratio Lower Upper

43 100

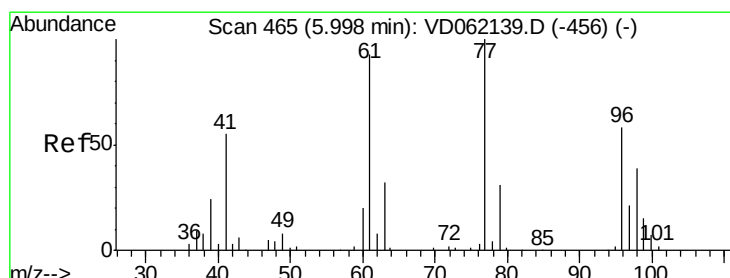
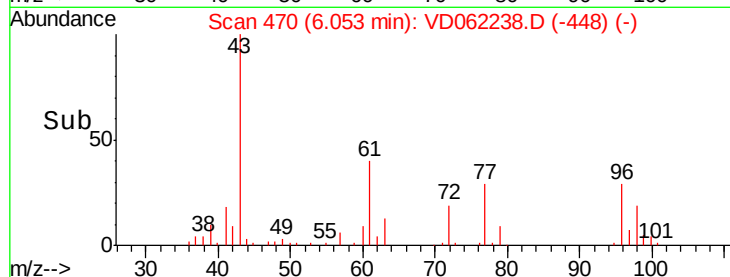
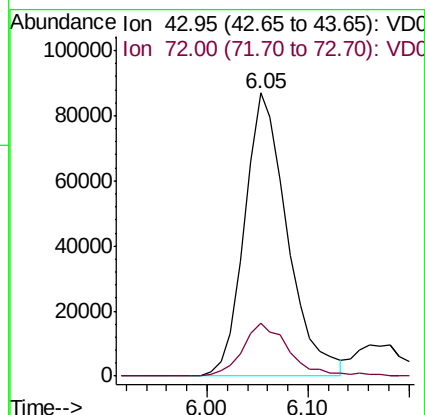
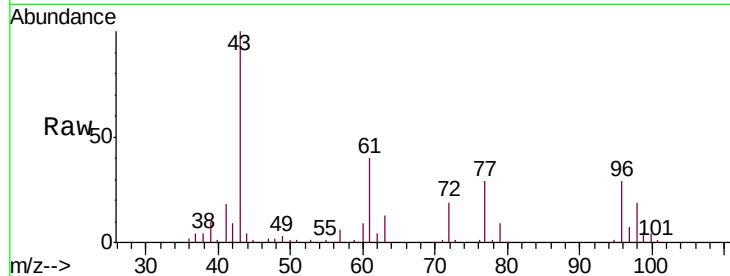
72 18.7 16.2 24.4

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#26

2,2-Dichloropropane

Concen: 68.298 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD062238.D

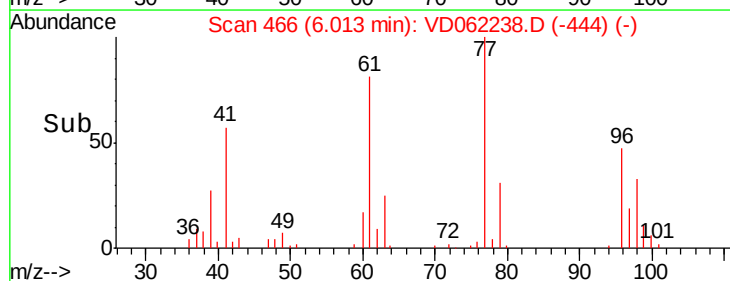
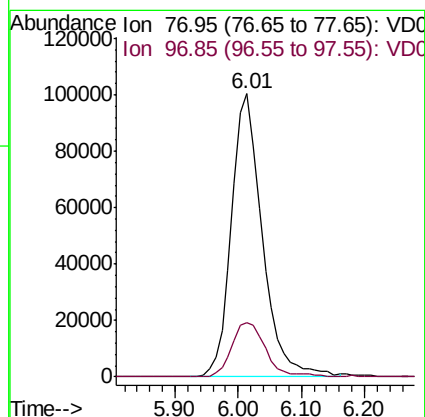
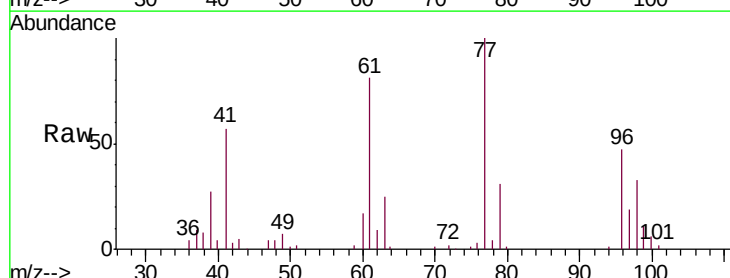
Acq: 11 May 2019 15:36

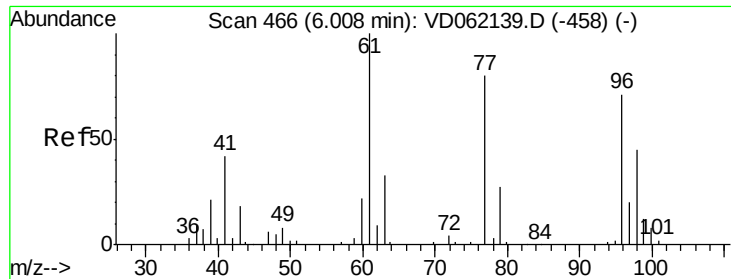
Tgt Ion: 77 Resp: 340116

Ion Ratio Lower Upper

77 100

97 19.4 11.9 35.9





#27

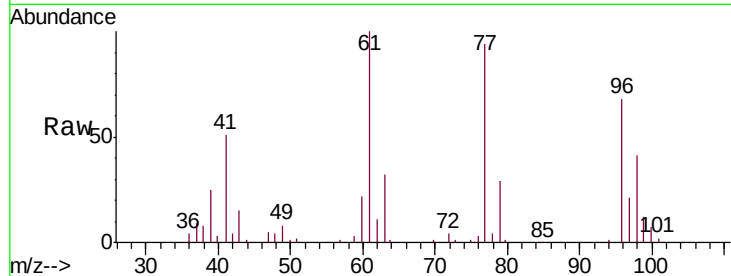
cis-1,2-Dichloroethene
Concen: 56.782 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	189428		
61	147.2	0.0	279.8	
98	60.3	0.0	136.0	

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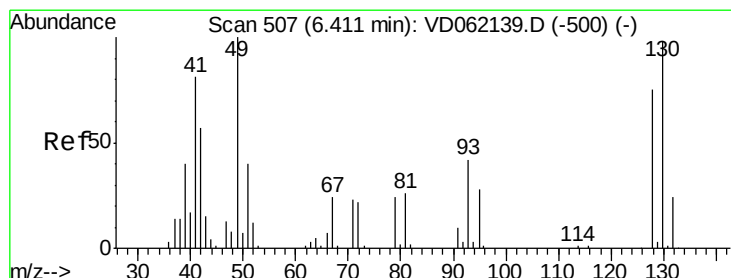
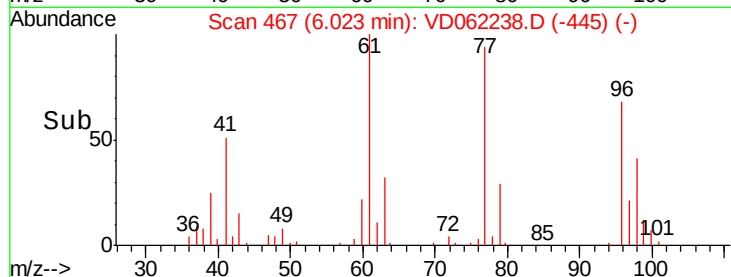
Abundance

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

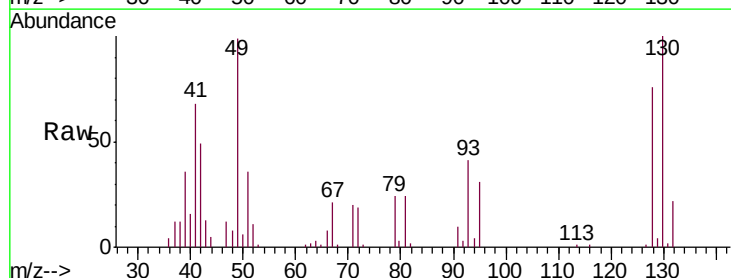
Time-->



#28

Bromochloromethane
Concen: 74.797 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	147117		
129	3.6	0.0	6.6	
130	101.3	86.7	130.1	



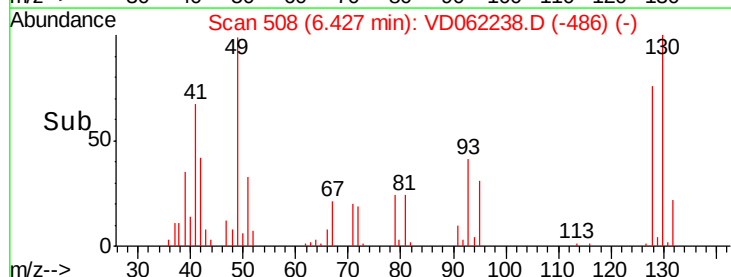
Abundance

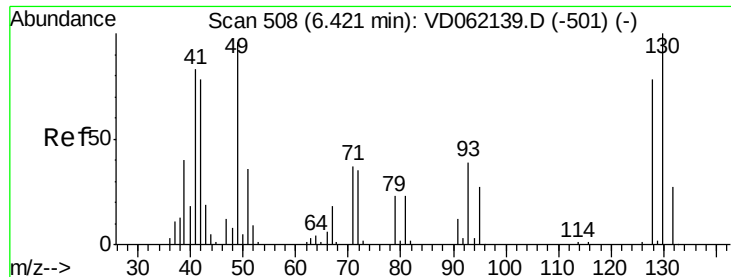
Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

Time-->





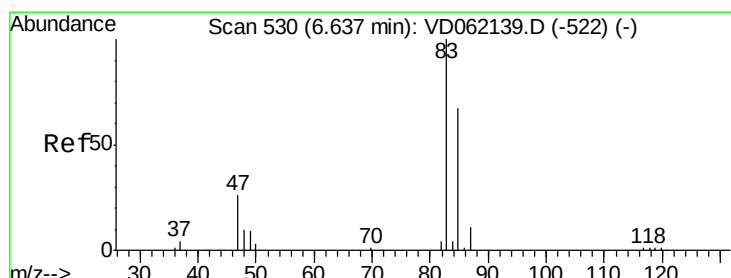
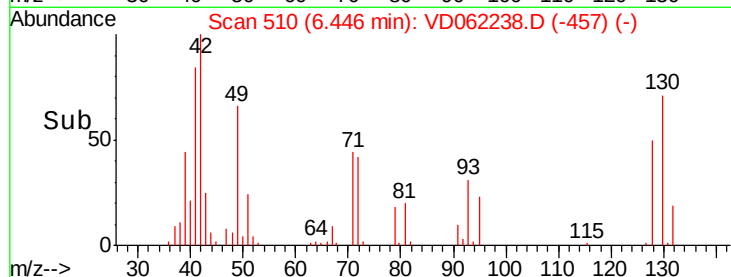
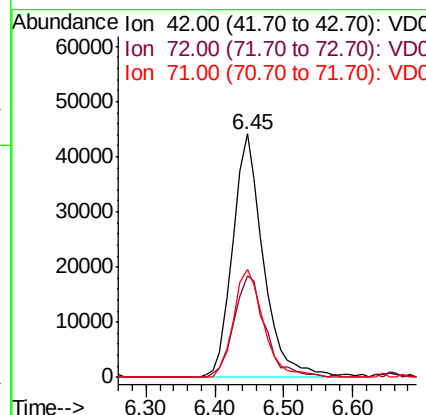
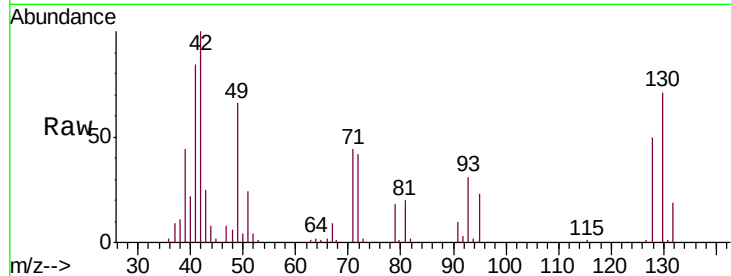
#29
Tetrahydrofuran
Concen: 395.376 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.7	37.8	56.6
71	43.6	36.7	55.1

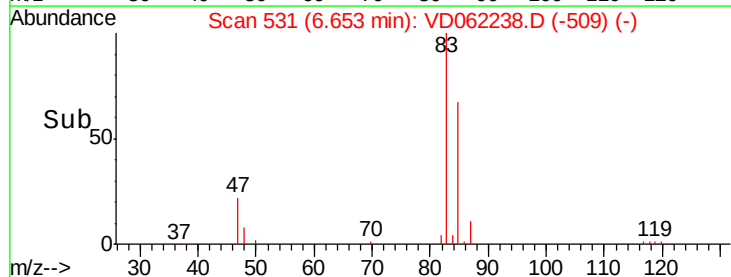
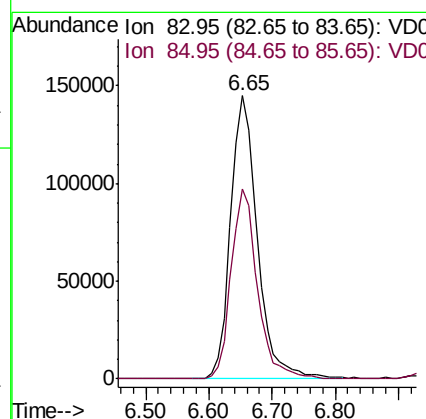
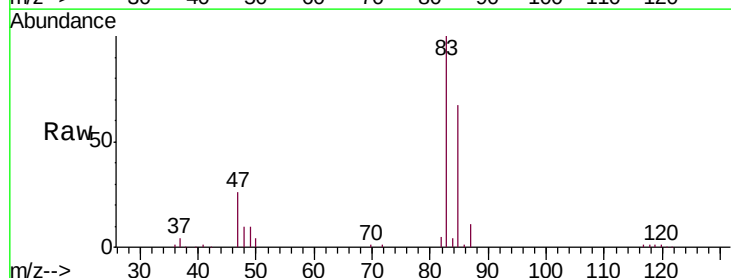
Manual Integrations
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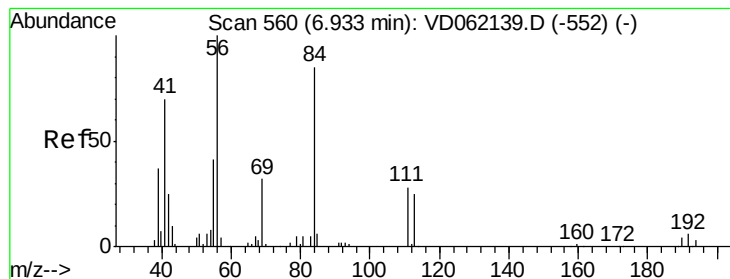
MMDadoda
5/12/2019 1:22:43 PM



#30
Chloroform
Concen: 70.509 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.7	77.5





#31

Cyclohexane

Concen: 52.676 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

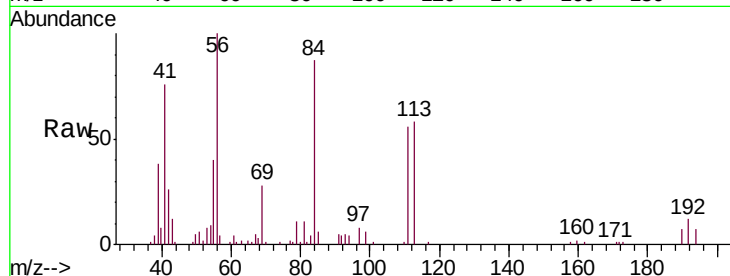
ClientSampleId :

P026-SS006-0002-01MS

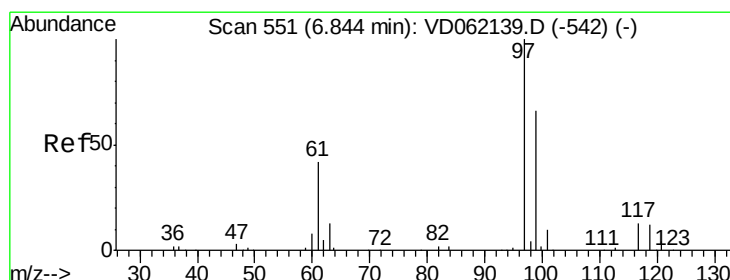
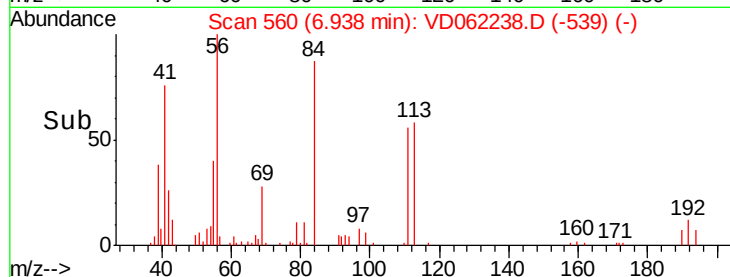
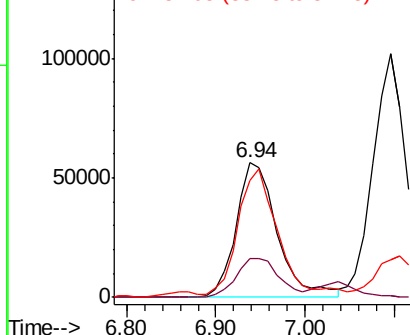
Tgt Ion:	56	Resp:	180416
Ion	Ratio	Lower	Upper
56	100		
69	28.4	25.8	38.6
84	86.8	72.2	108.4

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Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 71.648 ug/l

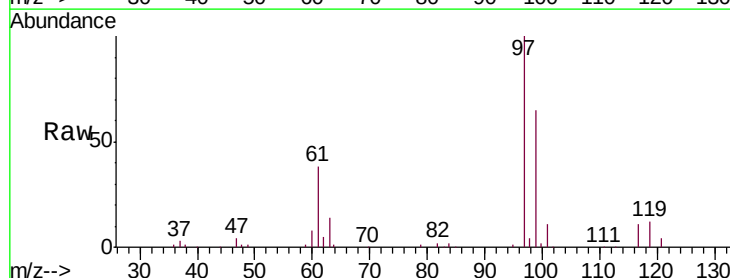
RT: 6.86 min Scan# 552

Delta R.T. 0.02 min

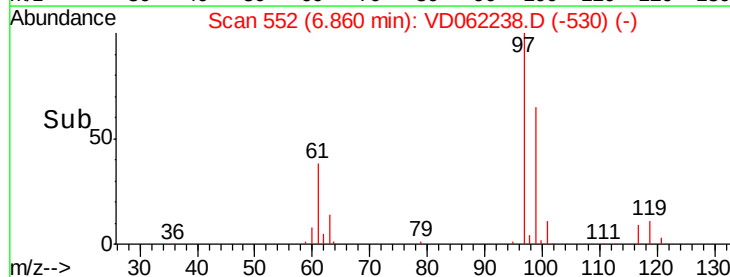
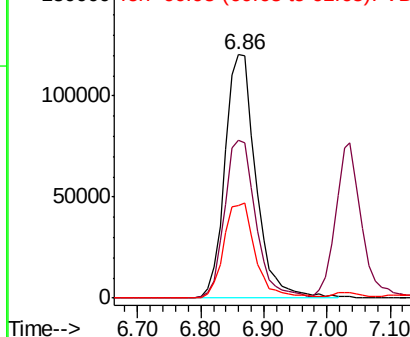
Lab File: VD062238.D

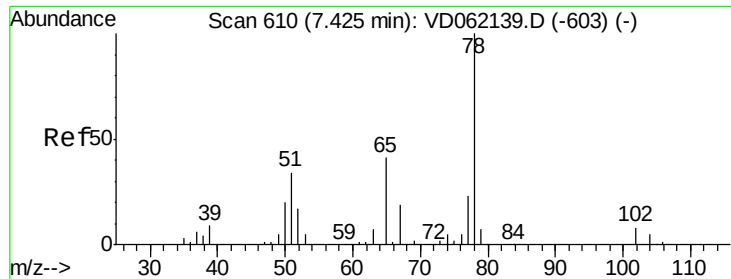
Acq: 11 May 2019 15:36

Tgt Ion:	97	Resp:	408016
Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.2
61	38.1	32.4	48.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





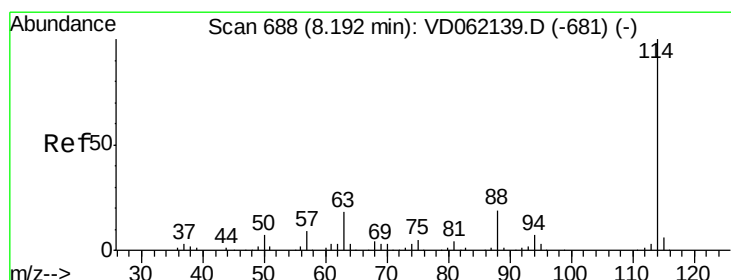
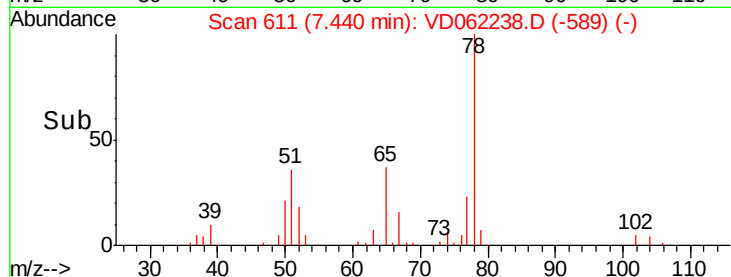
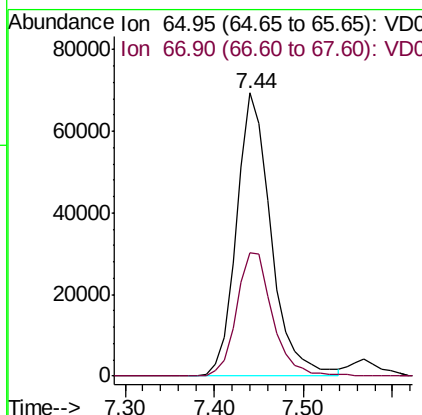
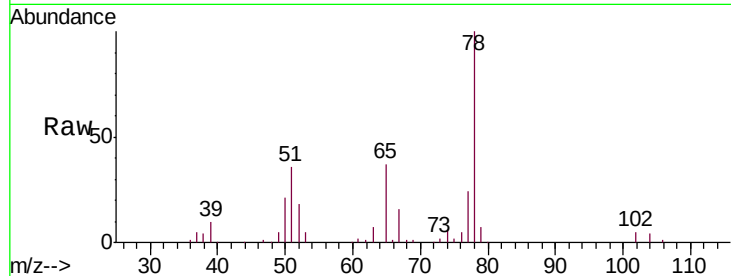
#33
 1,2-Dichloroethane-d4
 Concen: 57.189 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tgt Ion: 65 Resp: 186688
 Ion Ratio Lower Upper
 65 100
 67 43.7 0.0 98.0

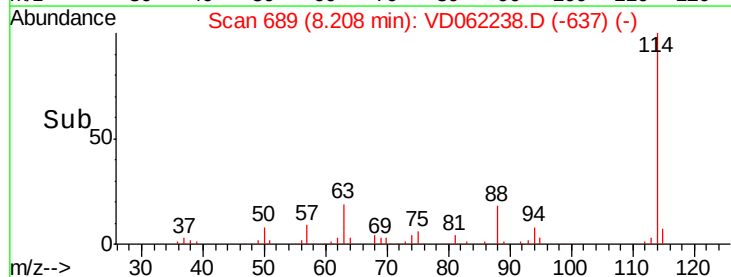
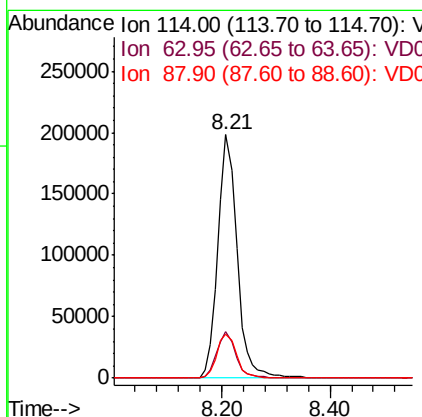
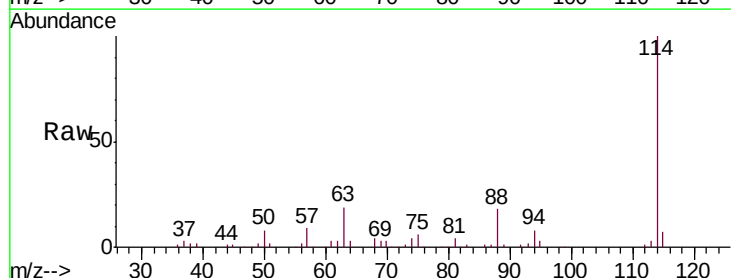
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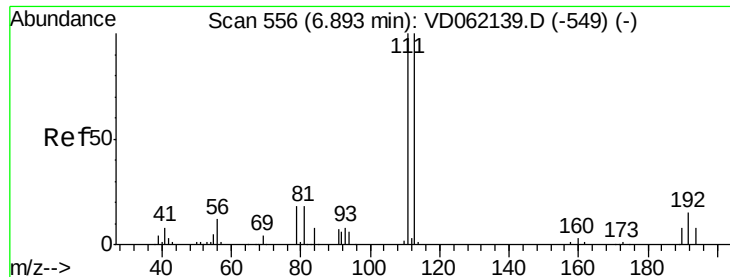
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion: 114 Resp: 486846
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 32.4
 88 18.0 0.0 33.6





#35

Dibromofluoromethane

Concen: 53.977 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

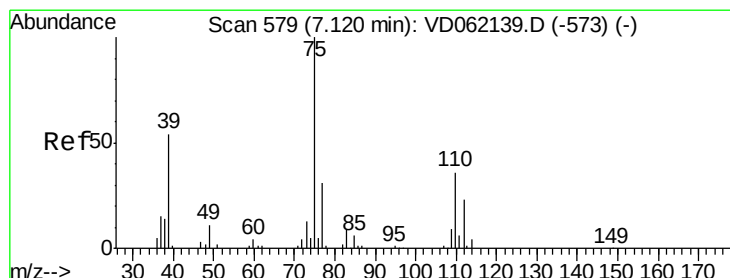
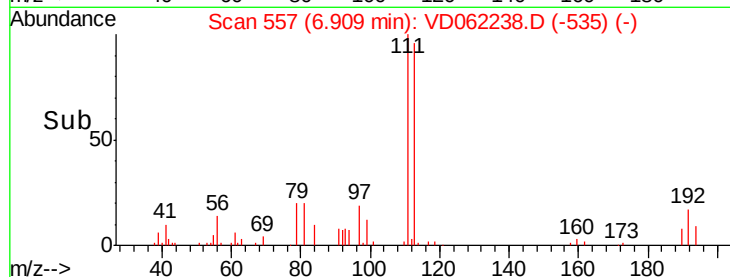
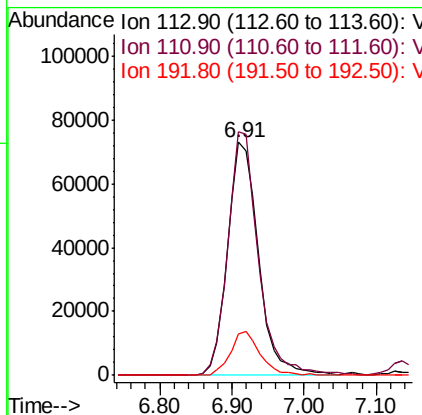
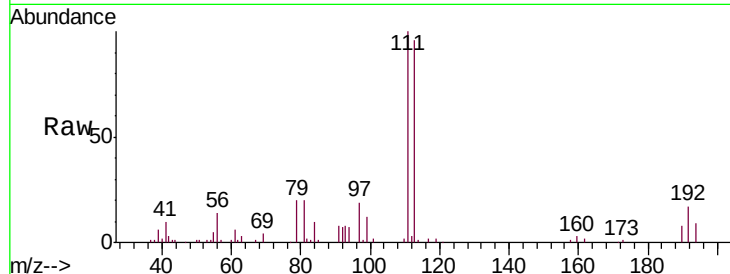
ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion:	113	Resp:	218035
Ion Ratio	Lower	Upper	
113	100		
111	104.5	78.5	117.7
192	17.7	13.0	19.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.345 ug/l

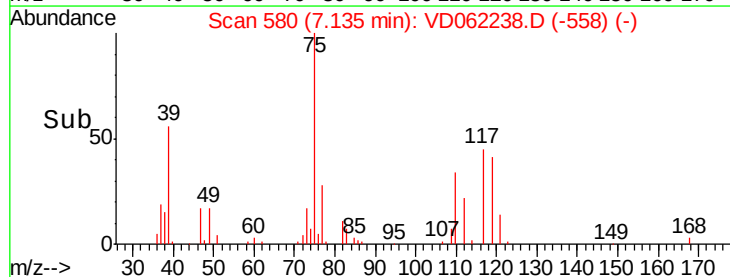
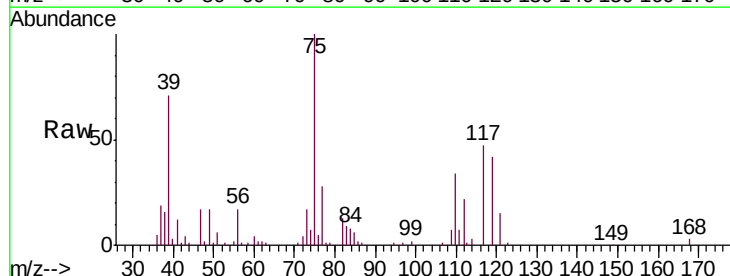
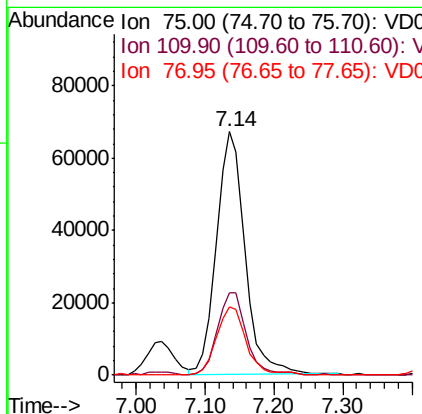
RT: 7.14 min Scan# 580

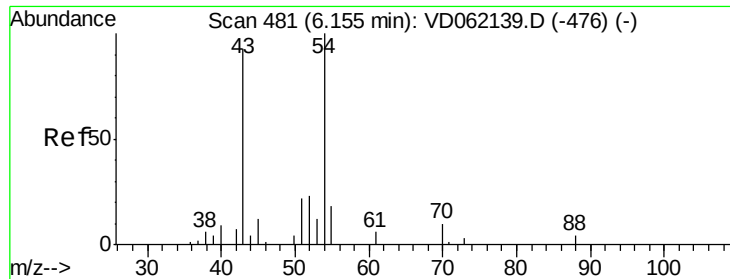
Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Tgt Ion:	75	Resp:	192979
Ion Ratio	Lower	Upper	
75	100		
110	34.0	19.1	57.1
77	28.3	25.6	38.4





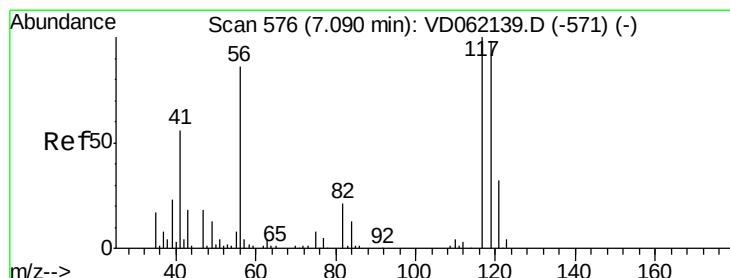
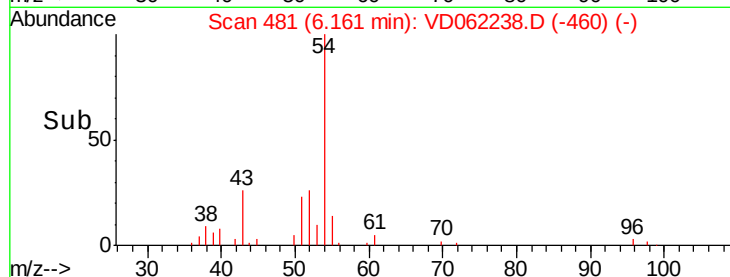
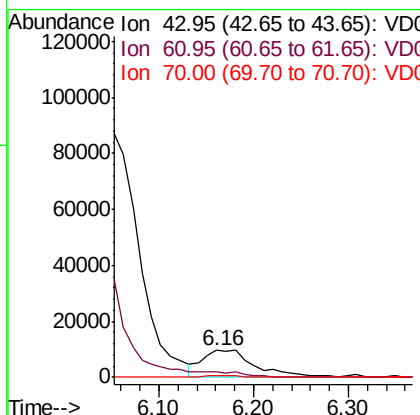
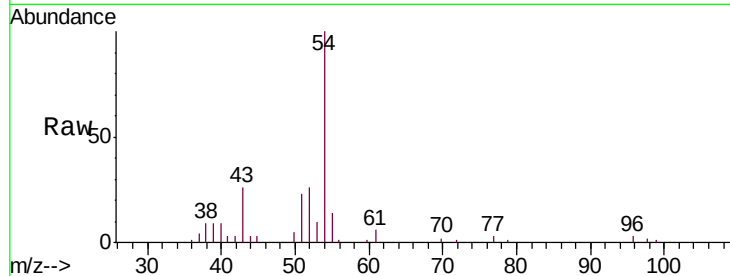
#37
 Ethyl Acetate
 Concen: 20.860 ug/l
 RT: 6.16 min Scan# 481
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.8	14.7	22.1
70	7.8	7.8	11.6

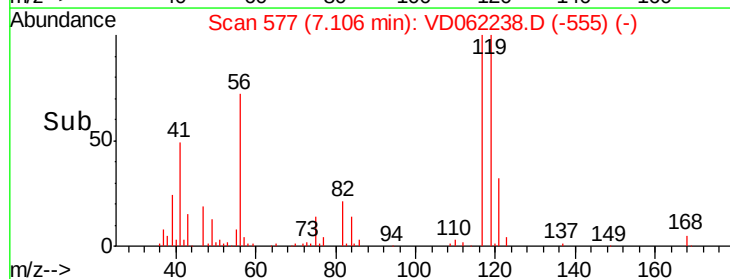
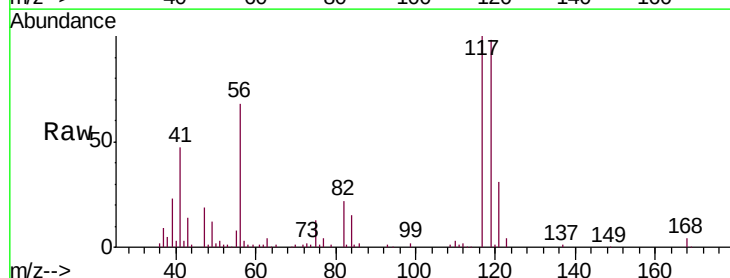
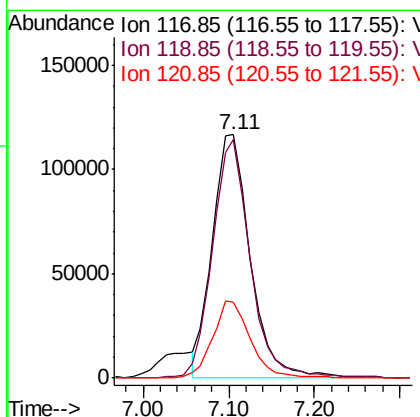
Manual Integrations
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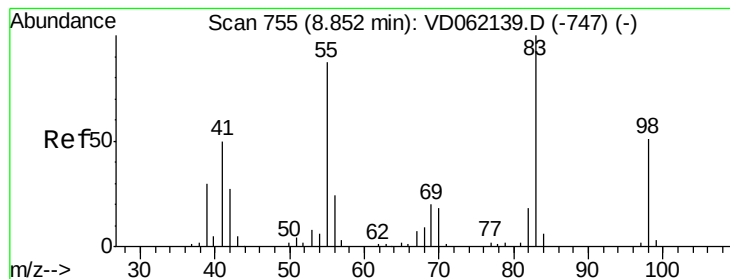
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#38
 Carbon Tetrachloride
 Concen: 66.087 ug/l m
 RT: 7.11 min Scan# 577
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.8	113.8
121	31.2	25.9	38.9





#39

Methylcyclohexane

Concen: 31.261 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion: 83 Resp: 119559

Ion Ratio Lower Upper

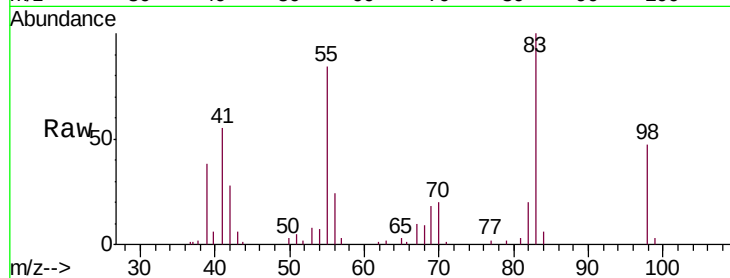
83 100

55 84.2 68.2 102.4

98 47.2 38.2 57.4

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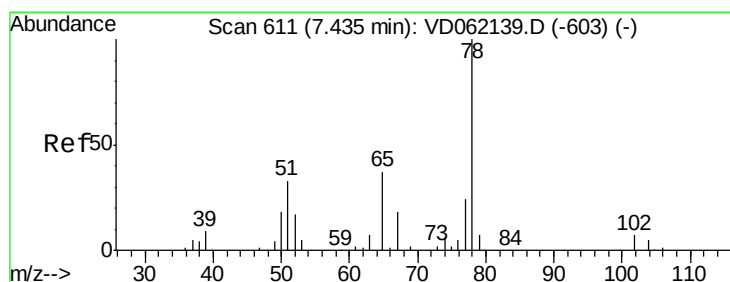
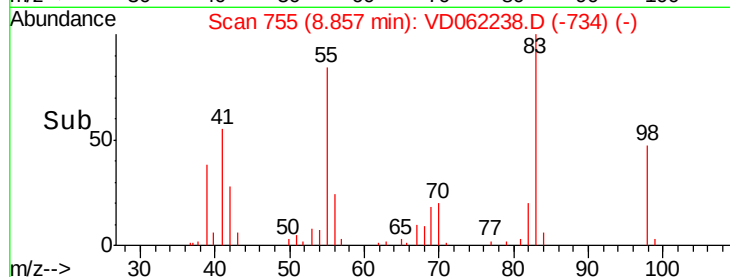
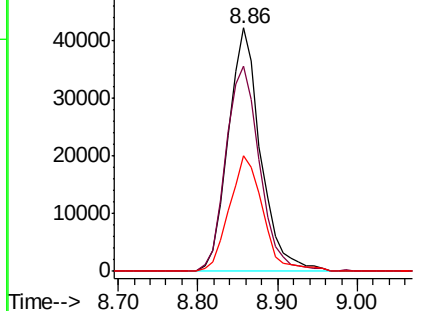
MMDadoda
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Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 60.680 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.02 min

Lab File: VD062238.D

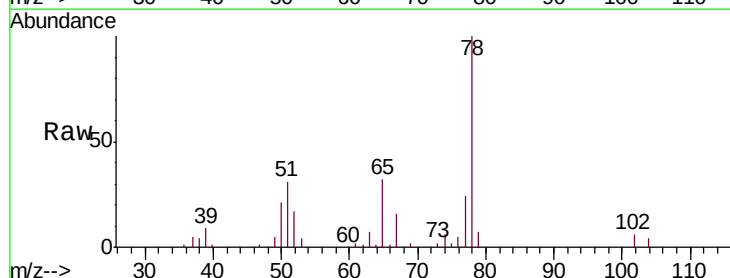
Acq: 11 May 2019 15:36

Tgt Ion: 78 Resp: 546945

Ion Ratio Lower Upper

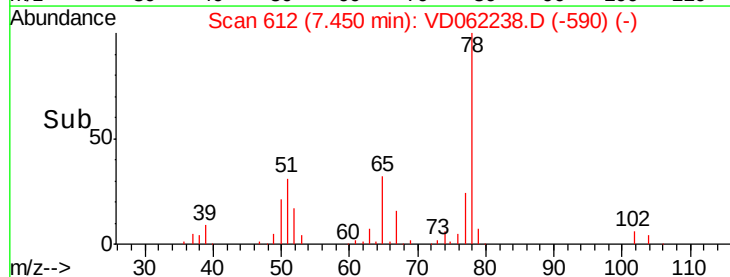
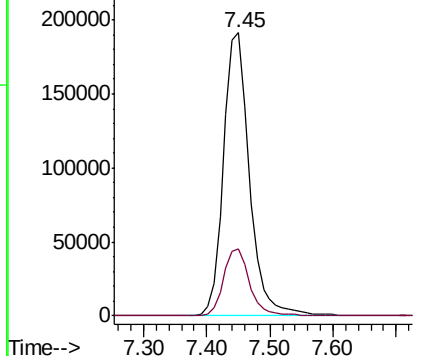
78 100

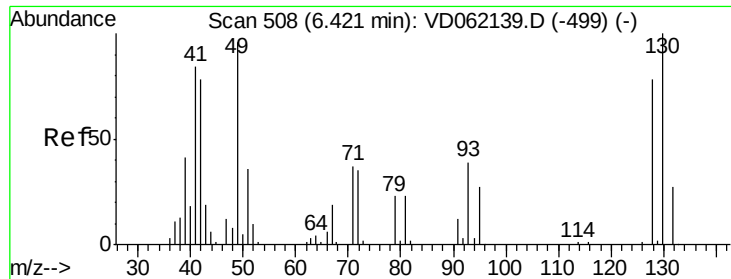
77 23.8 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





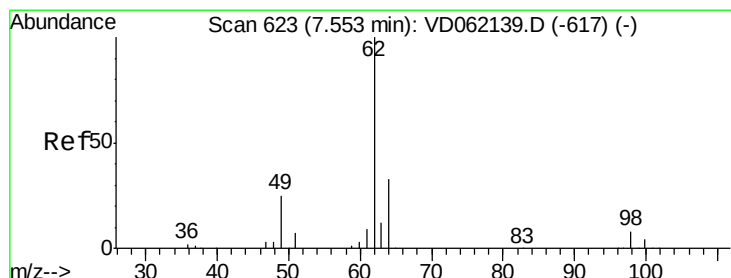
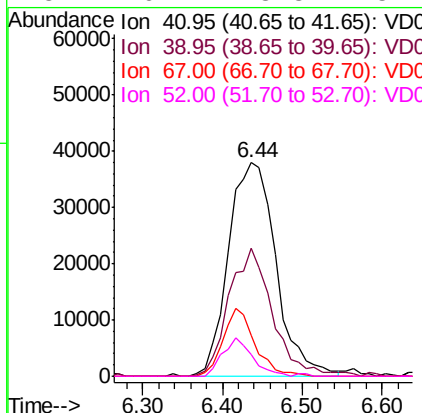
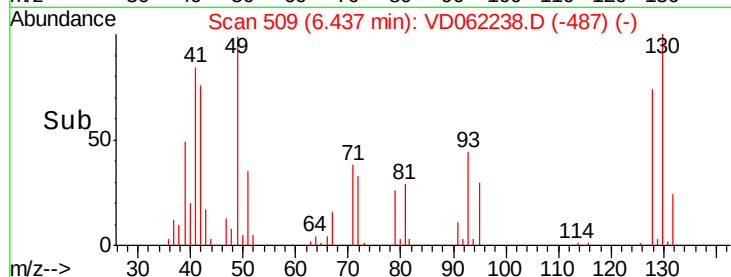
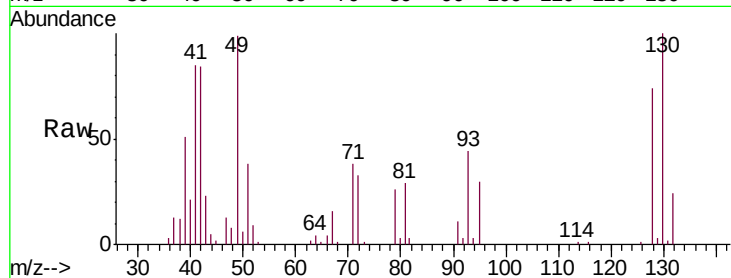
#41
Methacrylonitrile
Concen: 75.935 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion: 41 Resp: 157087
Ion Ratio Lower Upper
41 100
39 59.8 34.1 51.1#
67 19.0 23.8 35.6#
52 10.4 8.8 13.2

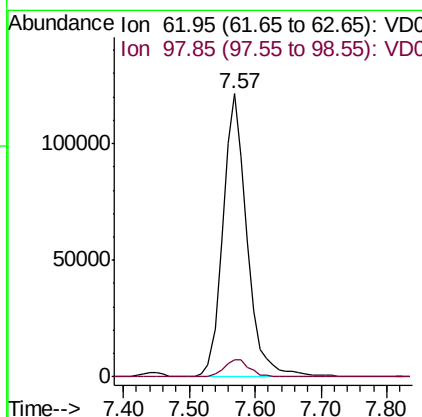
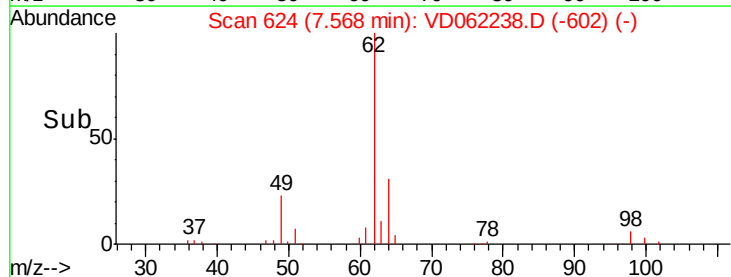
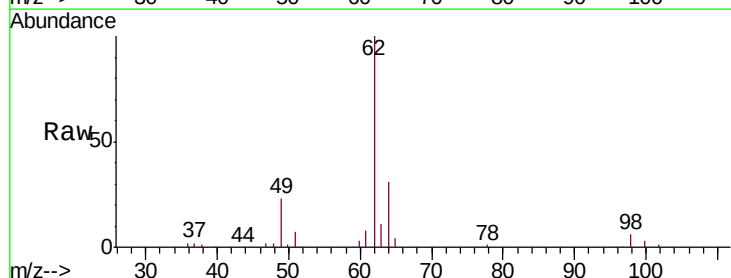
Manual Integrations
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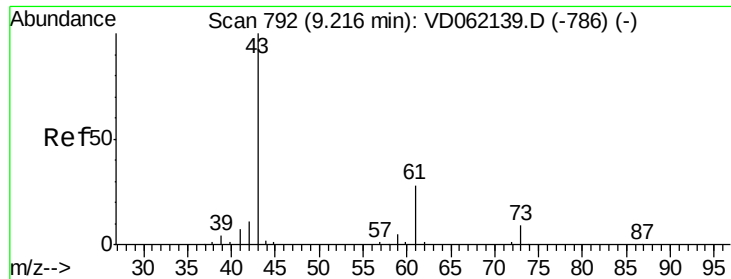
MMDadoda
5/12/2019 1:22:43 PM



#42
1,2-Dichloroethane
Concen: 81.238 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 62 Resp: 310243
Ion Ratio Lower Upper
62 100
98 6.2 0.0 17.8





#43

Isopropyl Acetate

Concen: 11.295 ug/l

RT: 9.23 min Scan# 793

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

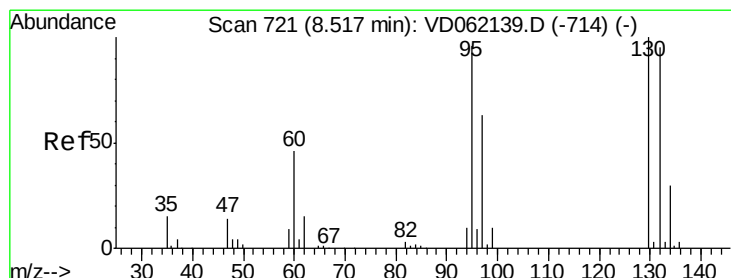
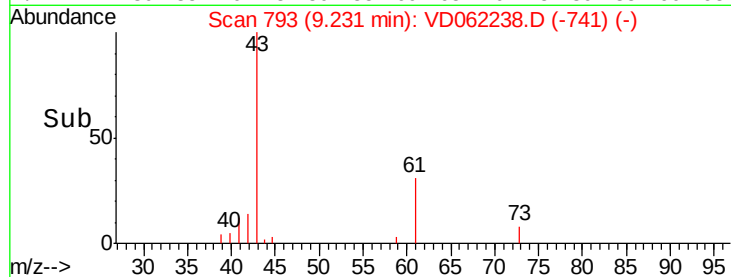
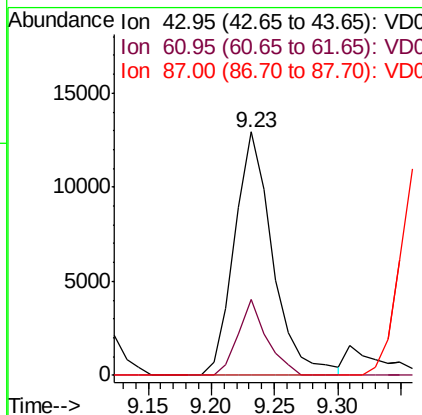
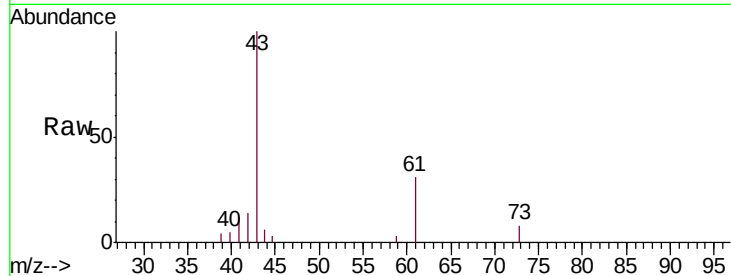
ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion:	43	Resp:	27118
Ion	Ratio	Lower	Upper
43	100		
61	31.2	25.1	37.7
87	0.0	0.0	0.0

Manual Integrations
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#44

Trichloroethene

Concen: 46.950 ug/l

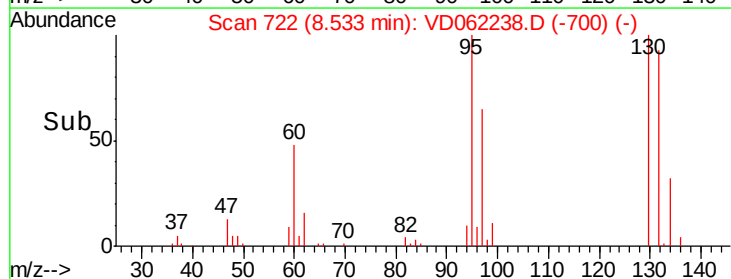
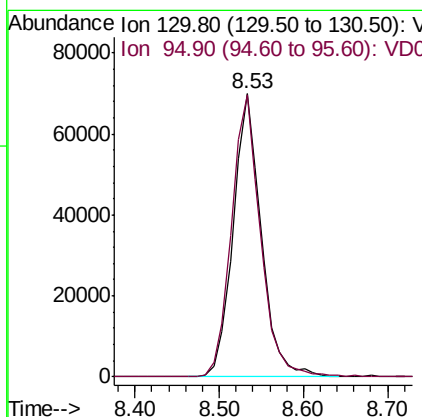
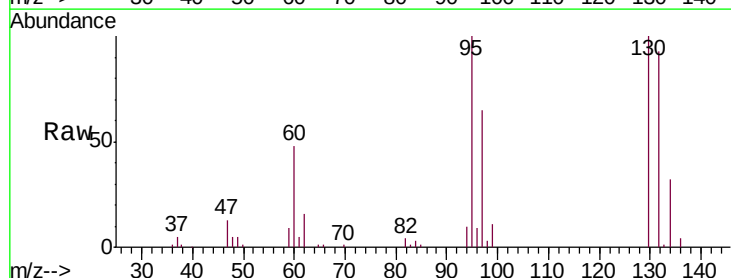
RT: 8.53 min Scan# 722

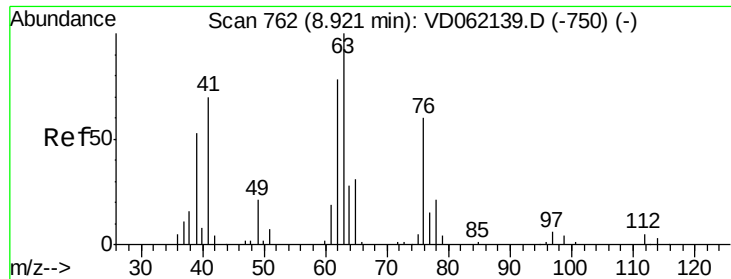
Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Tgt Ion:	130	Resp:	161260
Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	174.0





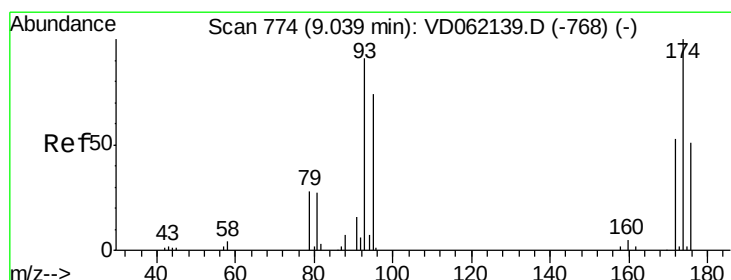
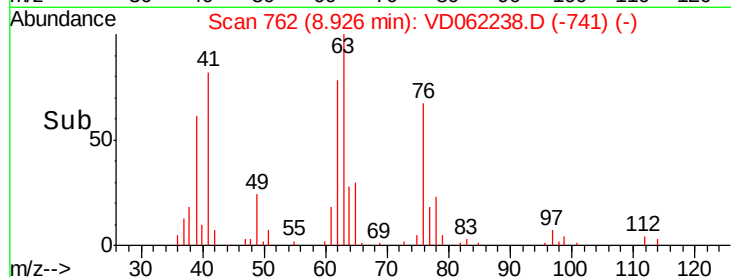
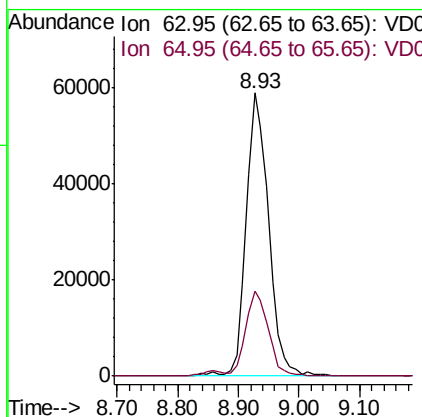
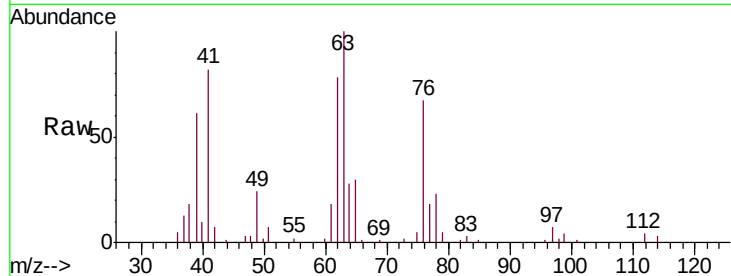
#45
 1,2-Dichloropropane
 Concen: 68.333 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tgt Ion: 63 Resp: 152351
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.8 35.6

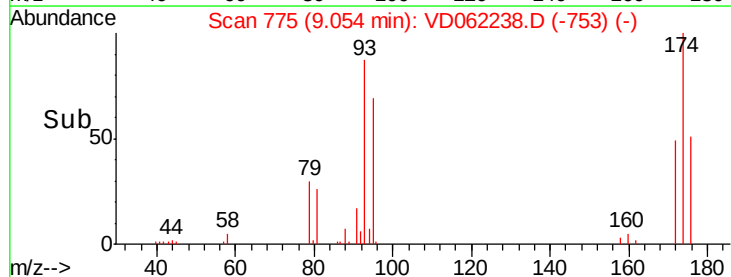
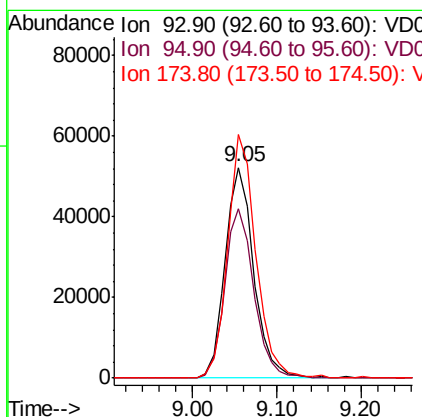
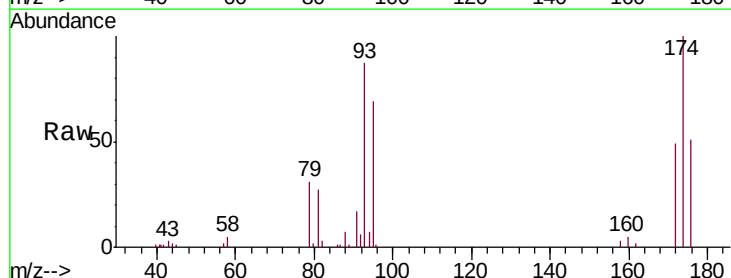
Manual Integrations
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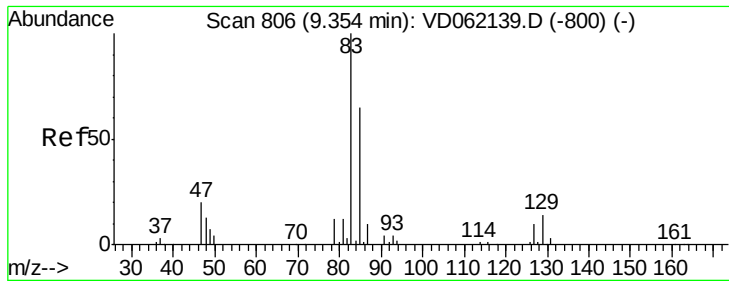
MMDadoda
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#46
 Dibromomethane
 Concen: 67.996 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion: 93 Resp: 123279
 Ion Ratio Lower Upper
 93 100
 95 80.1 64.8 97.2
 174 115.5 79.3 118.9





#47

Bromodichloromethane

Concen: 73.054 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.02 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

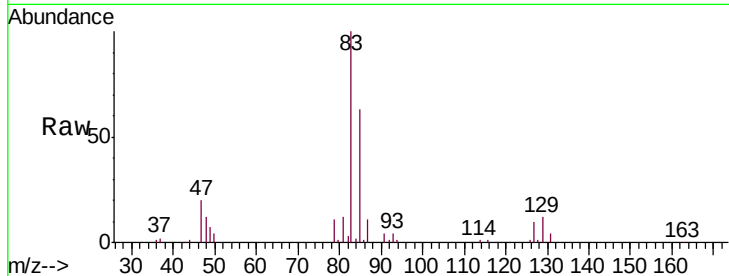
ClientSampleId :

P026-SS006-0002-01MS

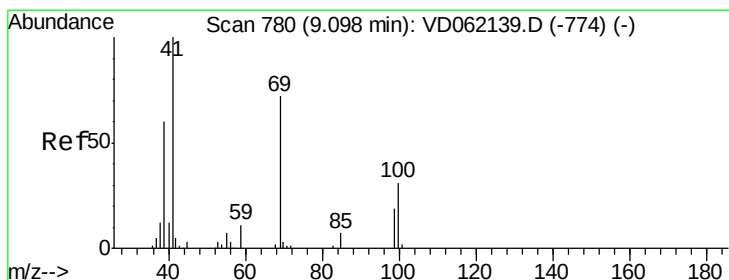
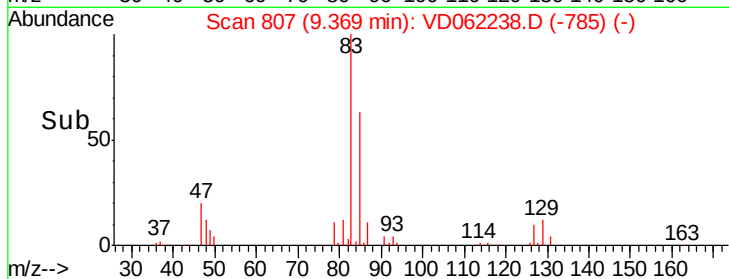
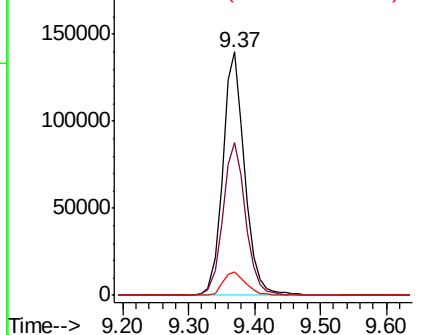
Tgt Ion:	83	Resp:	323976
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.9	76.3
127	9.6	8.1	12.1

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 110.396 ug/l

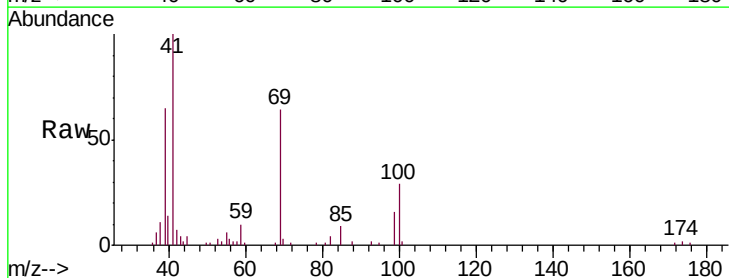
RT: 9.11 min Scan# 781

Delta R.T. 0.02 min

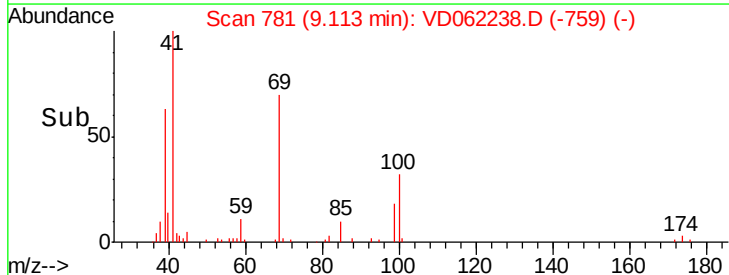
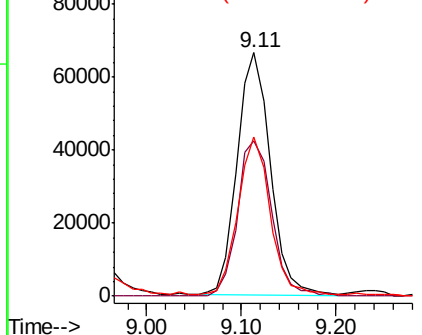
Lab File: VD062238.D

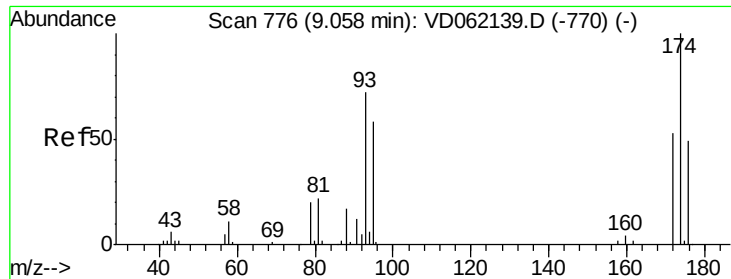
Acq: 11 May 2019 15:36

Tgt Ion:	41	Resp:	163252
Ion	Ratio	Lower	Upper
41	100		
69	64.0	64.2	96.2#
39	65.2	46.8	70.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





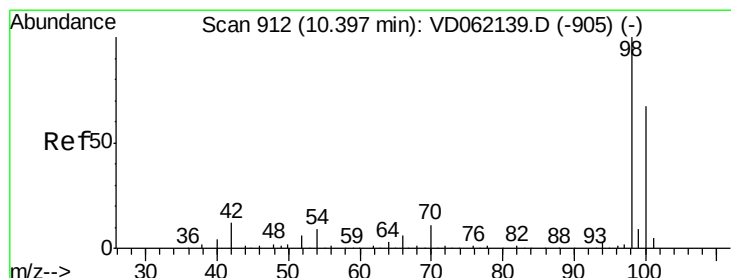
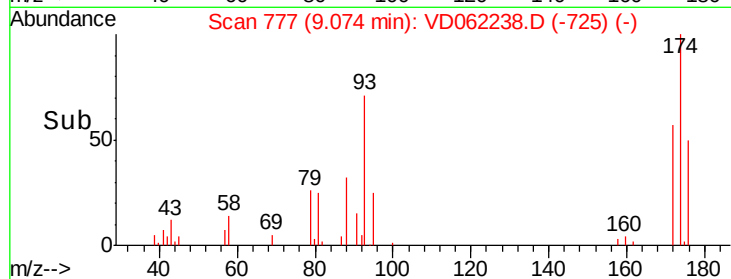
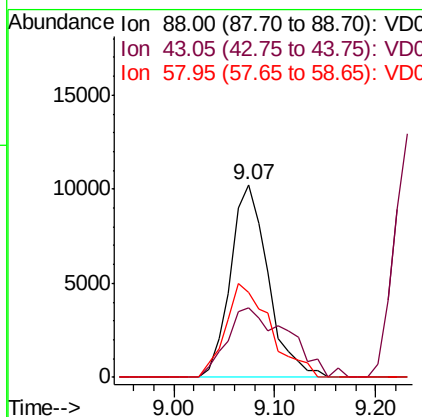
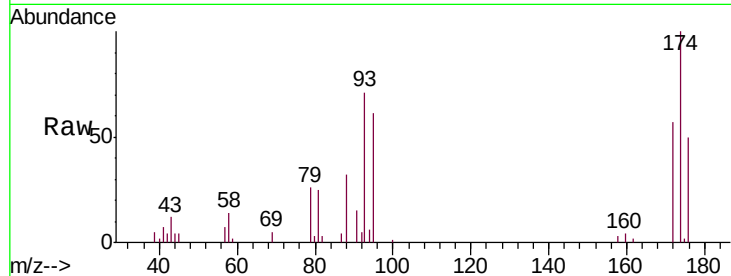
#49
1,4-Dioxane
Concen: 1661.755 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	26514		
43	36.3	23.4	35.0#	
58	44.3	44.0	66.0	

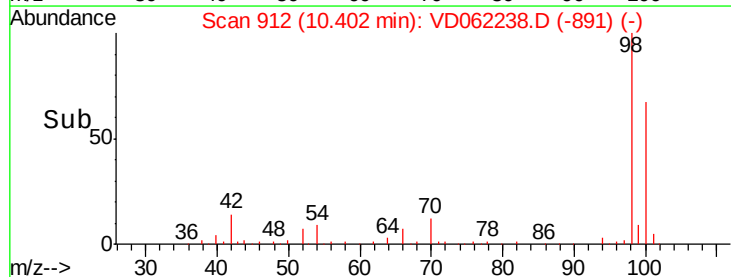
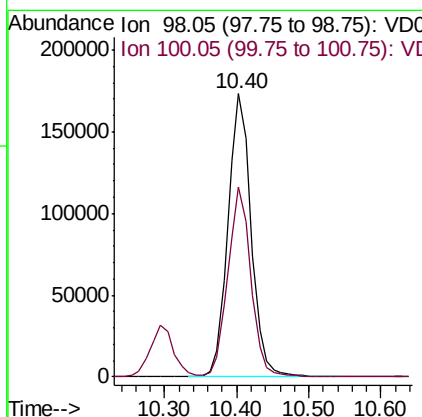
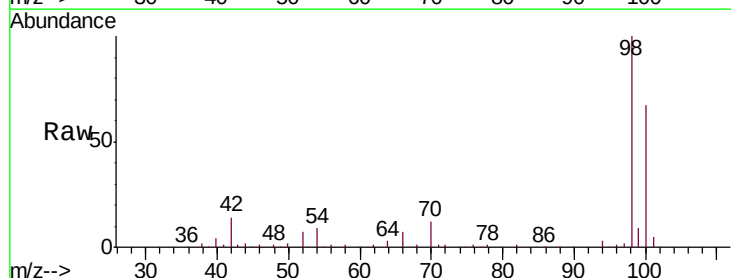
Manual Integrations
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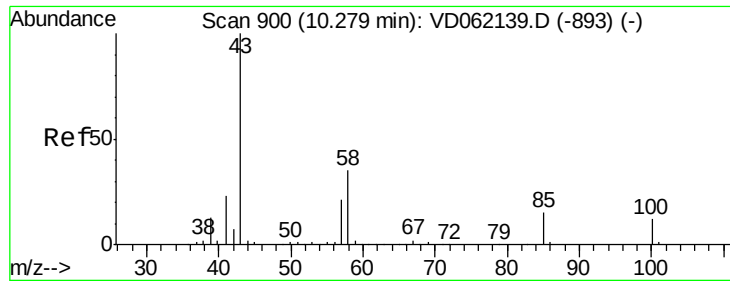
MMDadoda
5/12/2019 1:22:43 PM



#50
Toluene-d8
Concen: 39.678 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	386438		
100	67.2	53.8	80.8	





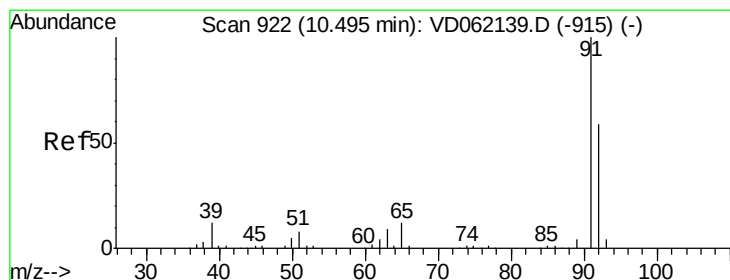
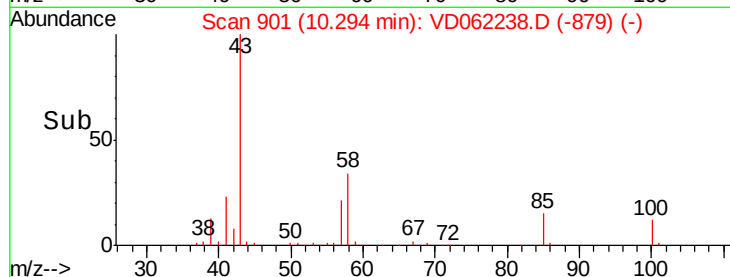
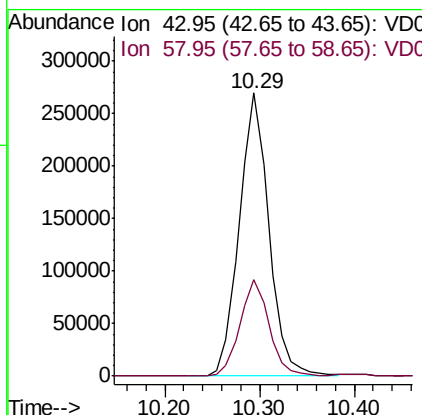
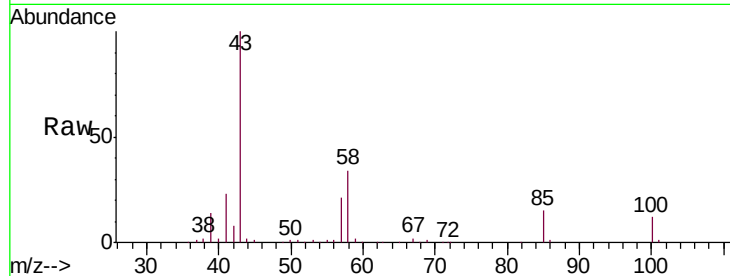
#51
4-Methyl-2-Pentanone
Concen: 380.120 ug/l
RT: 10.29 min Scan# 901
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion: 43 Resp: 586619
Ion Ratio Lower Upper
43 100
58 34.0 30.4 45.6

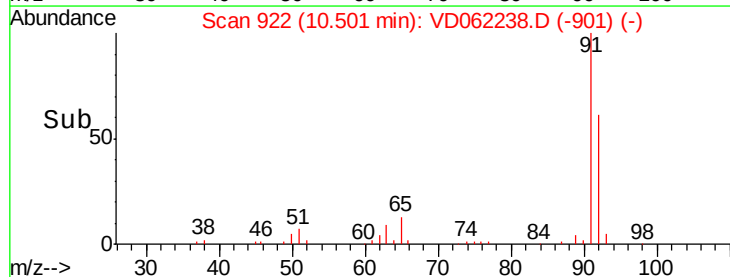
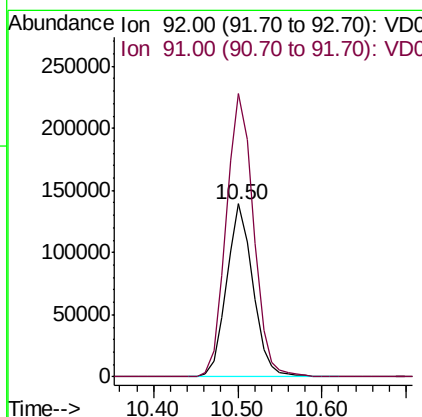
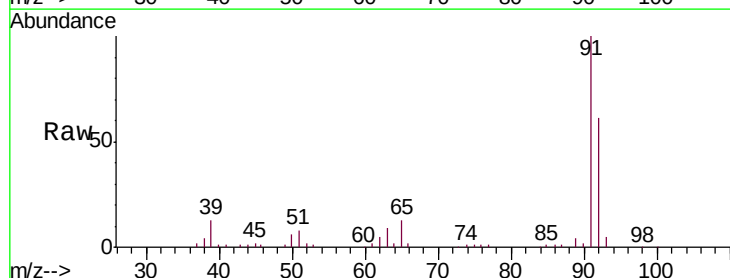
Manual Integrations
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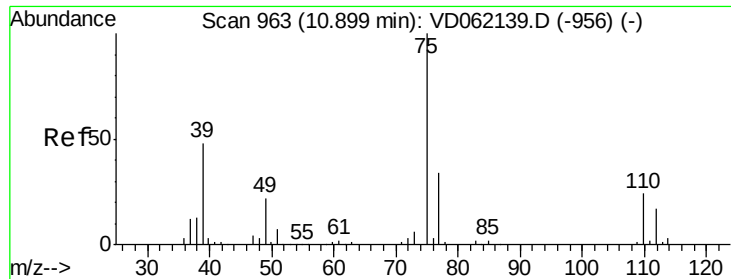
MMDadoda
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#52
Toluene
Concen: 51.743 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 92 Resp: 303455
Ion Ratio Lower Upper
92 100
91 163.6 136.6 204.8





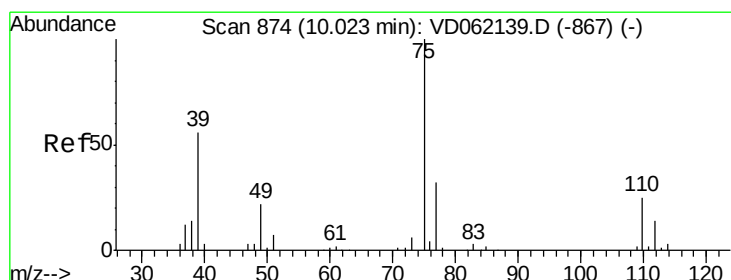
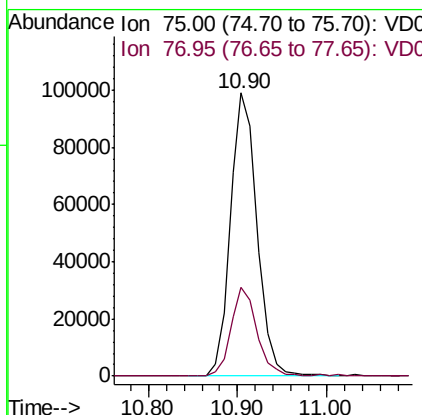
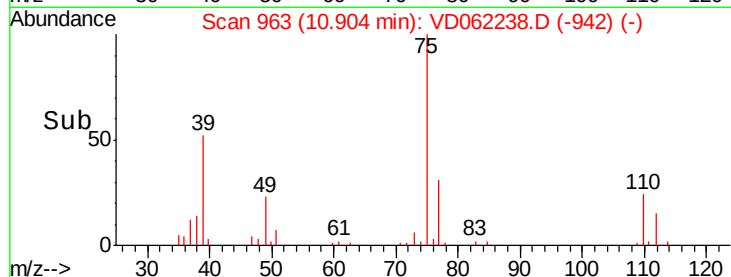
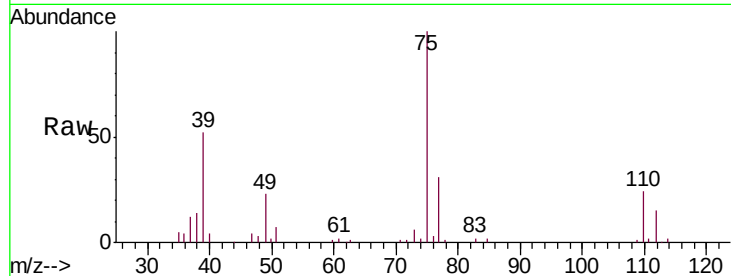
#53
t-1,3-Dichloropropene
Concen: 54.043 ug/l
RT: 10.90 min Scan# 963
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion: 75 Resp: 207139
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8

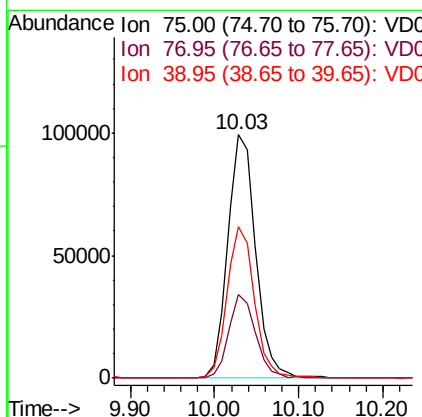
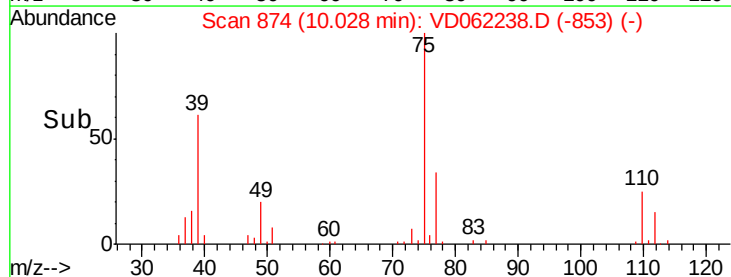
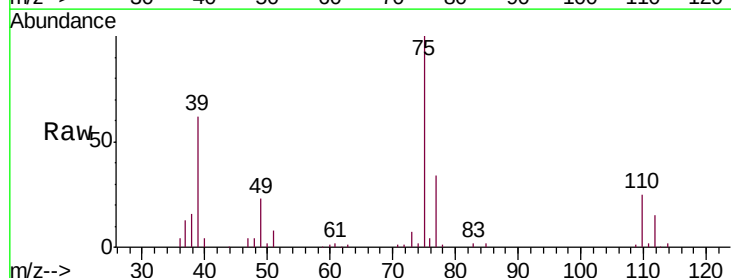
Manual Integrations
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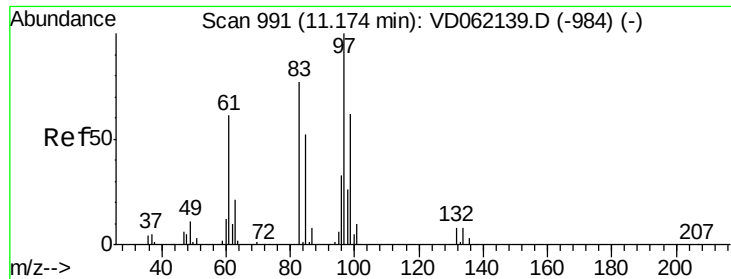
MMDadoda
5/12/2019 1:22:43 PM



#54
cis-1,3-Dichloropropene
Concen: 54.678 ug/l
RT: 10.03 min Scan# 874
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 75 Resp: 228627
Ion Ratio Lower Upper
75 100
77 34.4 25.5 38.3
39 62.0 39.4 59.2#





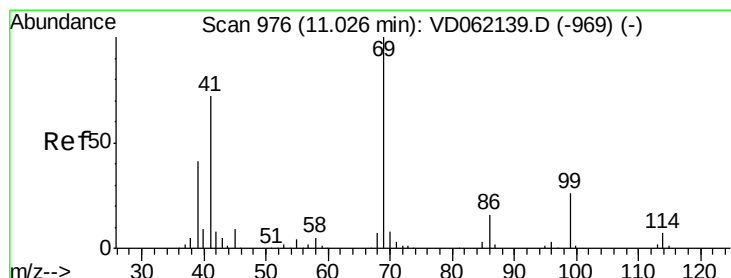
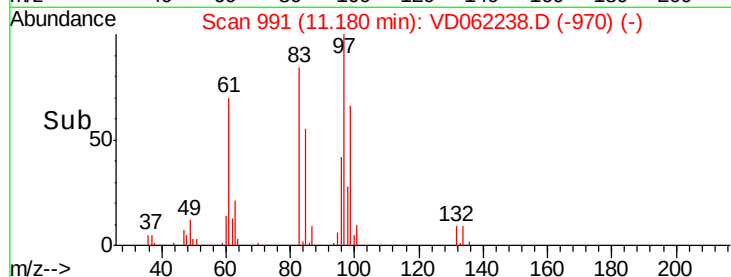
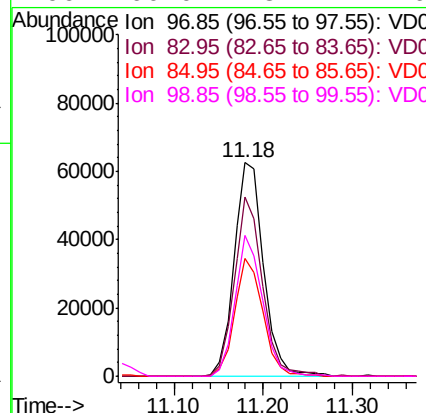
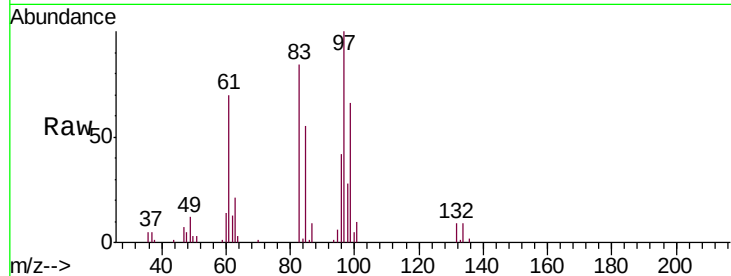
#55
 1,1,2-Trichloroethane
 Concen: 69.780 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	144797		
83	83.9	65.7	98.5	
85	55.3	45.6	68.4	
99	66.0	48.4	72.6	

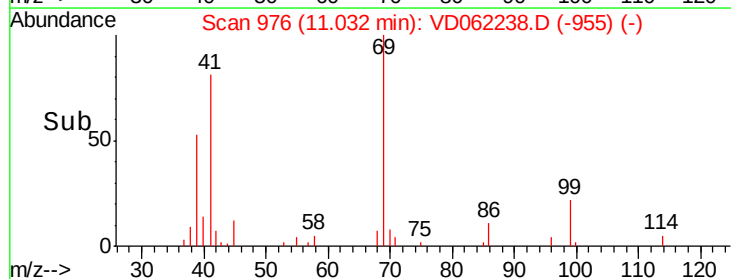
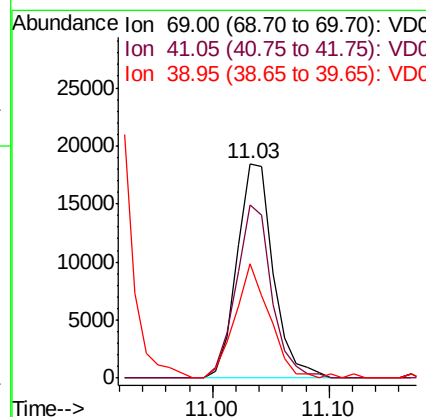
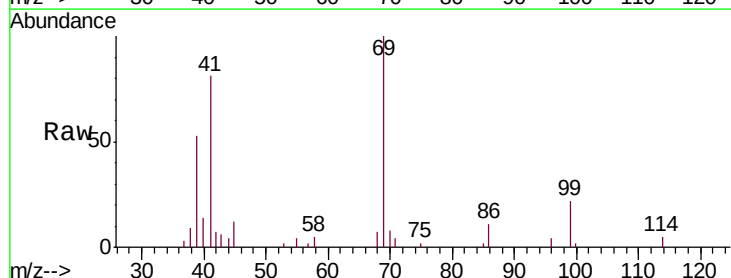
Manual Integrations
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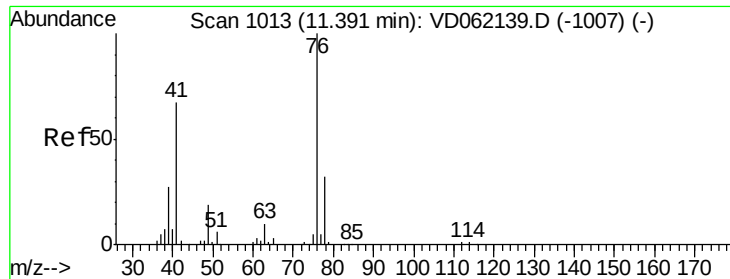
MMDadoda
 5/12/2019 1:22:43 PM



#56
 Ethyl methacrylate
 Concen: 18.492 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	39873		
41	80.5	56.3	84.5	
39	53.1	29.4	44.2	





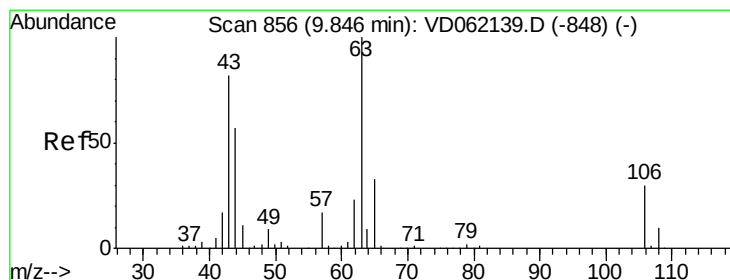
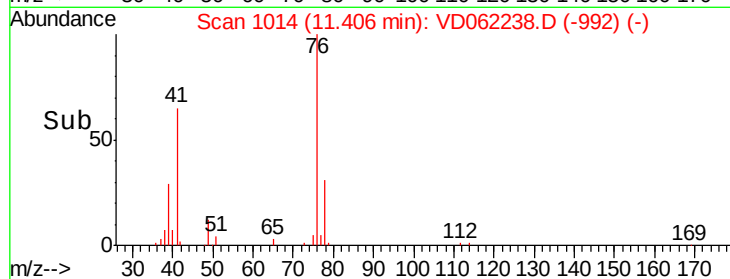
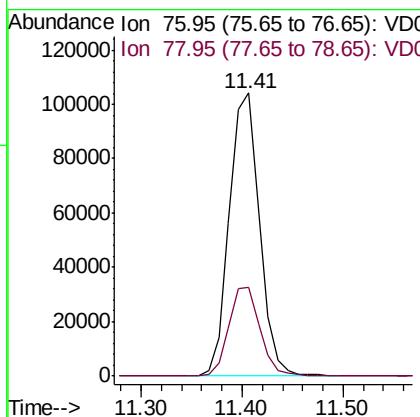
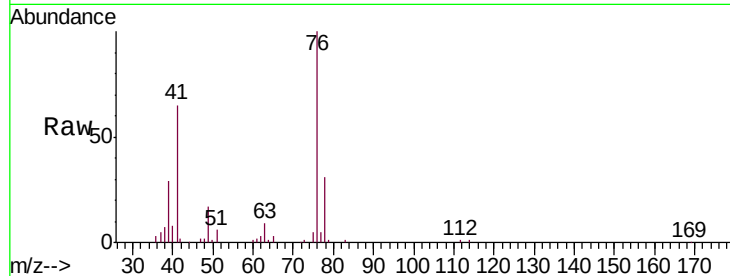
#57
 1,3-Dichloropropane
 Concen: 69.106 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tgt Ion: 76 Resp: 216640
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.2 39.2

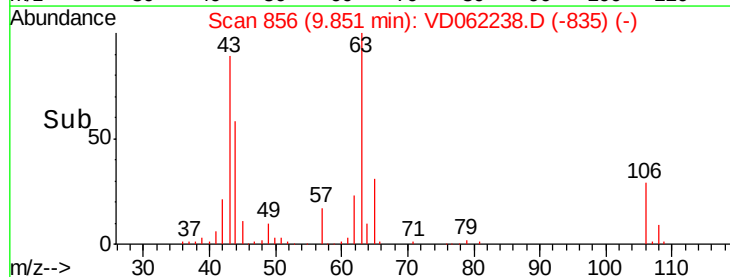
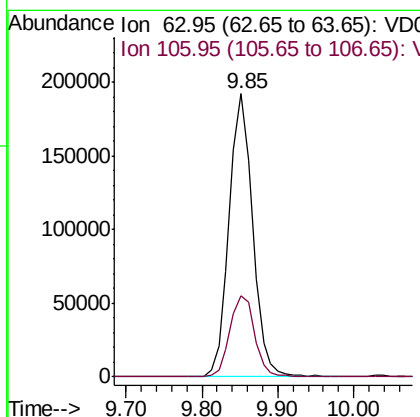
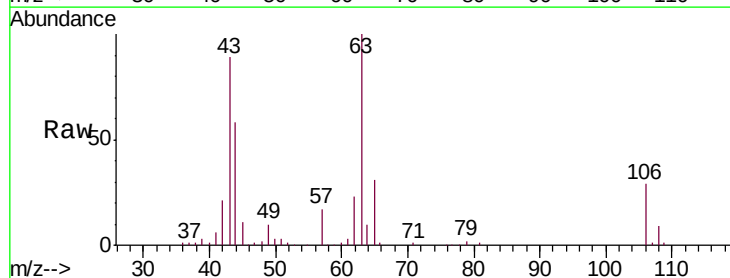
Manual Integrations
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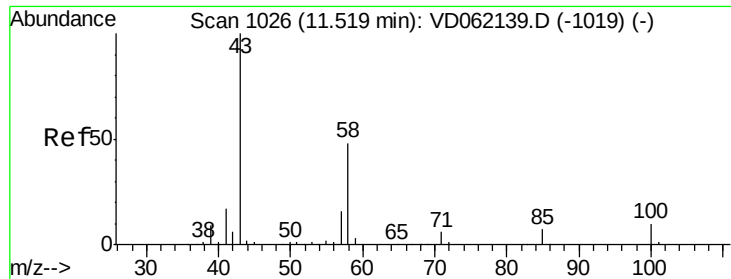
MMDadoda
 5/12/2019 1:22:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 351.464 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion: 63 Resp: 413969
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.6 34.0





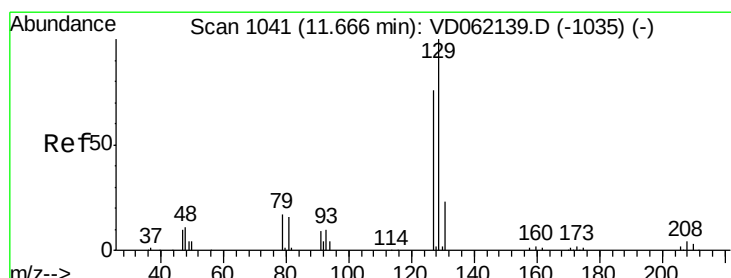
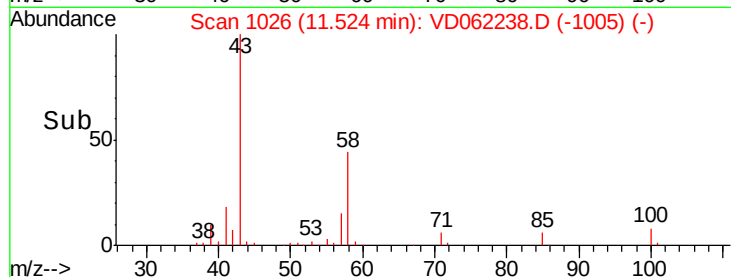
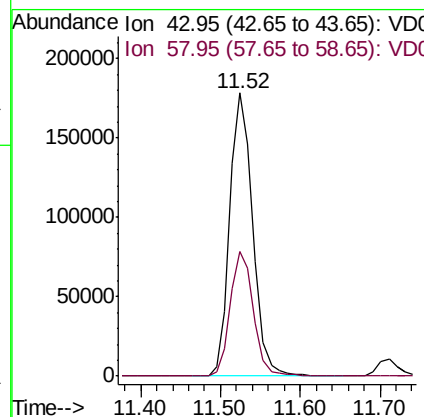
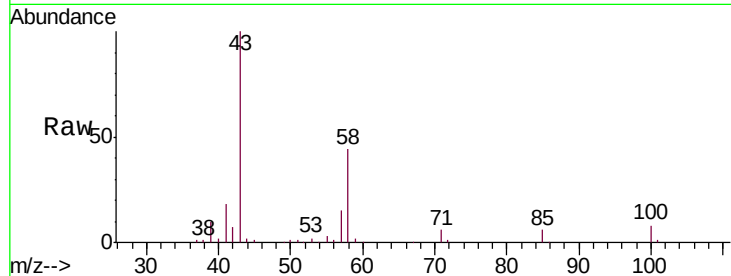
#59
2-Hexanone
Concen: 320.211 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion: 43 Resp: 364218
Ion Ratio Lower Upper
43 100
58 44.0 25.4 76.4

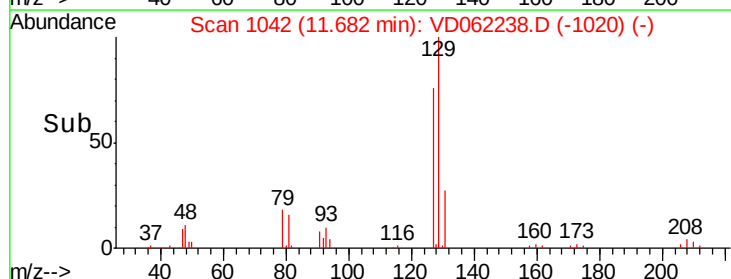
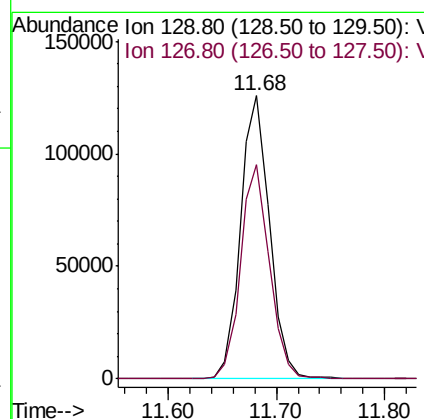
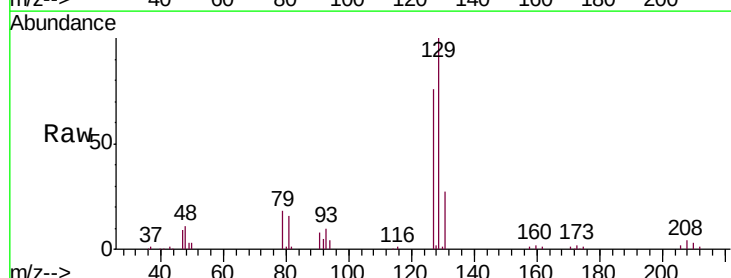
Manual Integrations
APPROVED

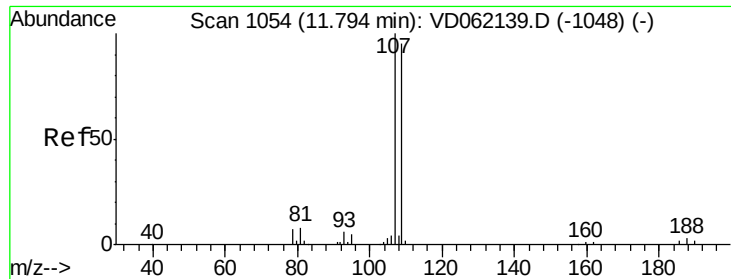
MMDadoda
5/12/2019 1:22:43 PM



#60
Dibromochloromethane
Concen: 65.290 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 129 Resp: 234140
Ion Ratio Lower Upper
129 100
127 75.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 59.754 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion: 107 Resp: 150746

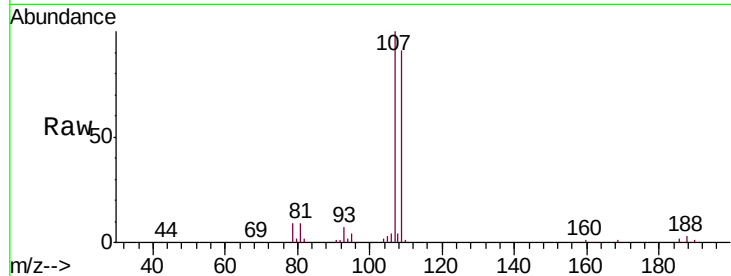
Ion Ratio Lower Upper

107 100

109 91.3 78.3 117.5

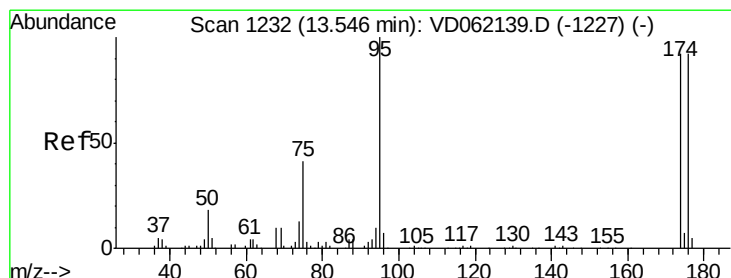
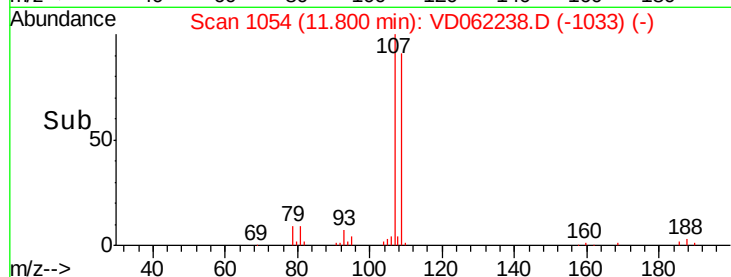
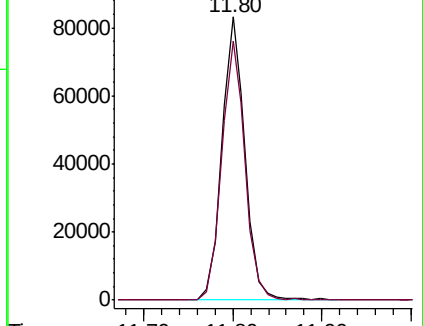
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 25.699 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

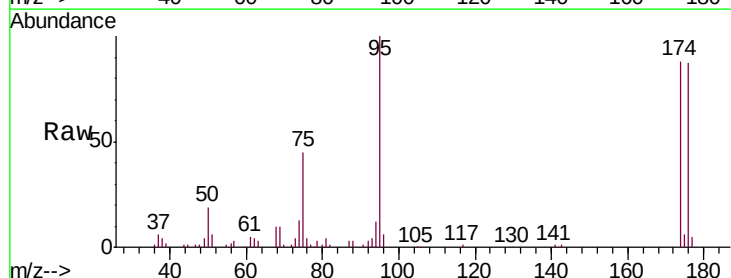
Tgt Ion: 95 Resp: 100506

Ion Ratio Lower Upper

95 100

174 88.3 0.0 181.8

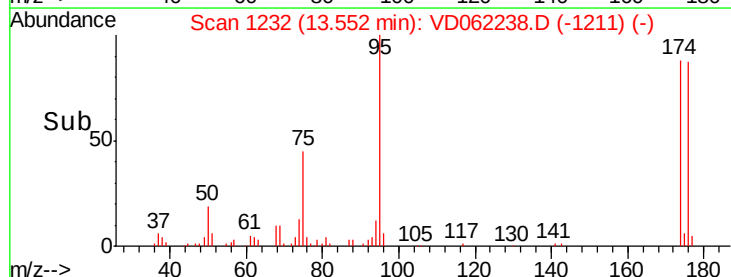
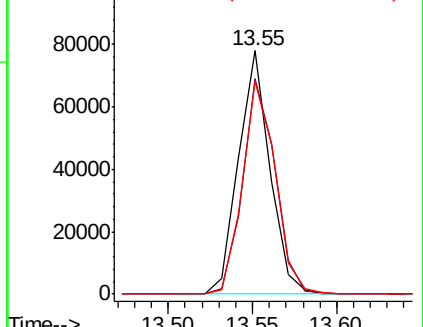
176 87.5 0.0 174.4

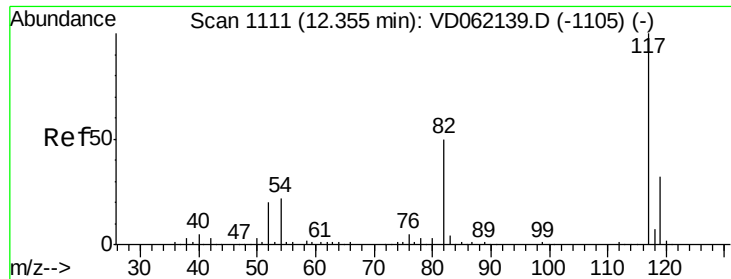


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





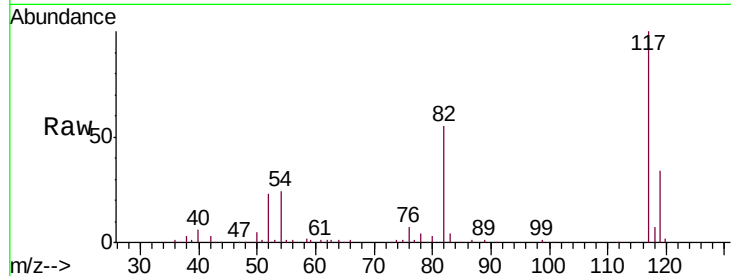
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	303987		
82	54.8	36.2	54.2#	
119	34.1	26.2	39.4	

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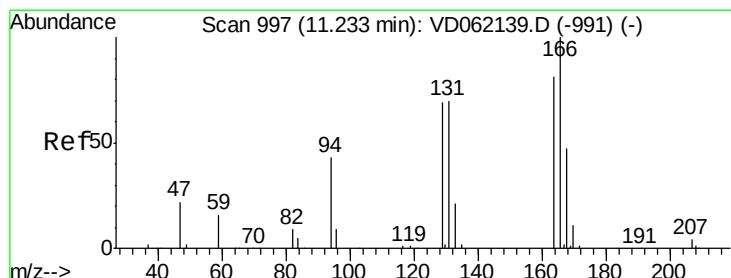
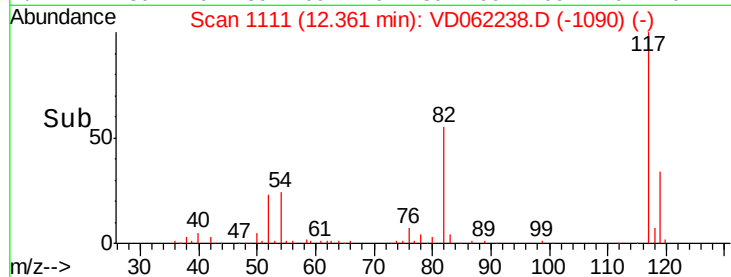
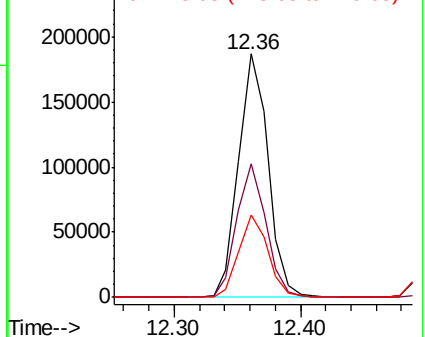


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 49.254 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.03 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117080		
166	123.7	101.5	152.3	
129	78.0	74.6	112.0	
131	80.9	72.6	108.8	

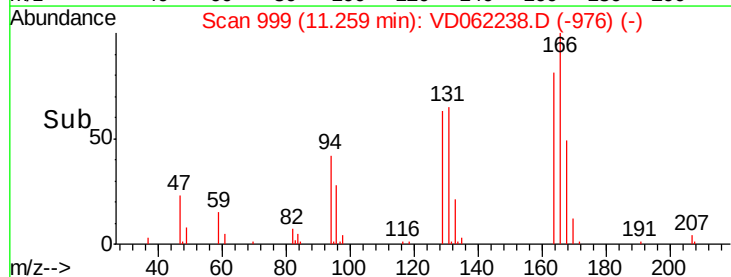
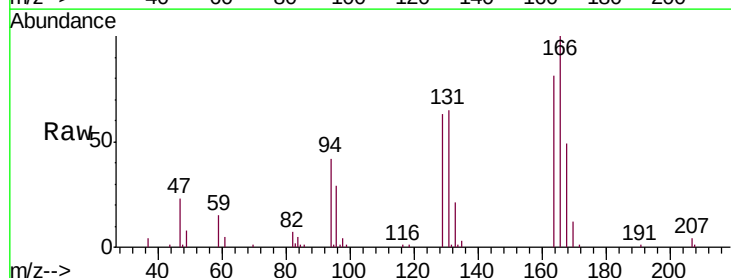
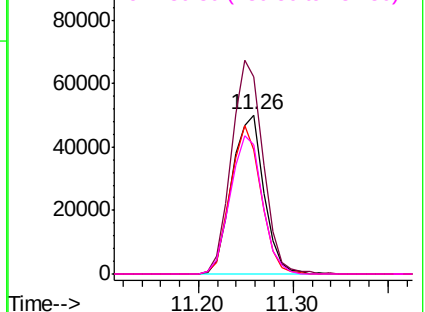
Abundance

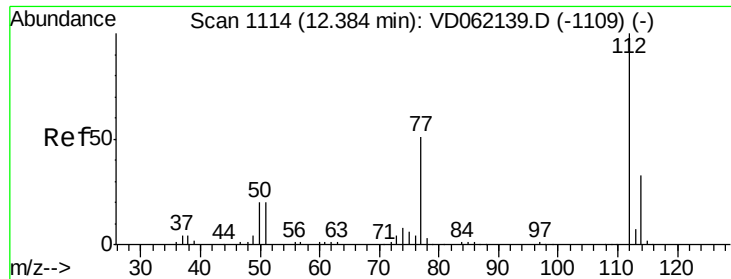
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





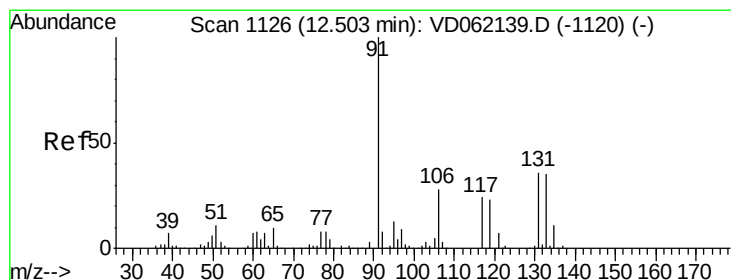
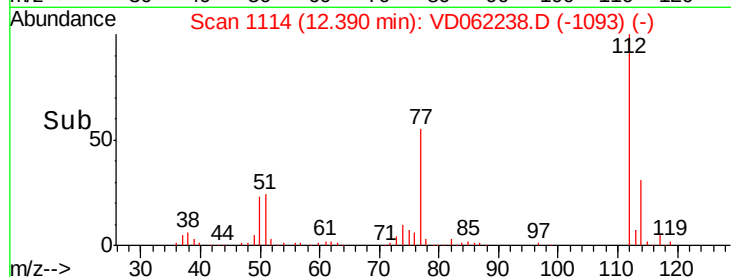
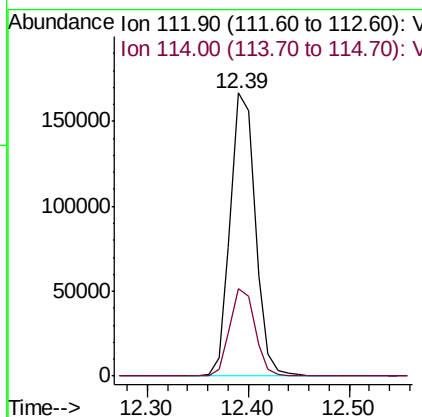
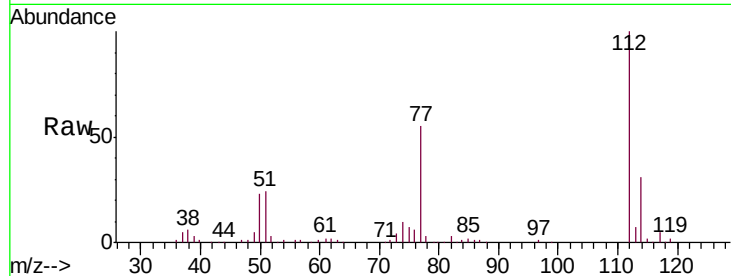
#65
Chlorobenzene
Concen: 51.055 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion:112 Resp: 289063
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.8

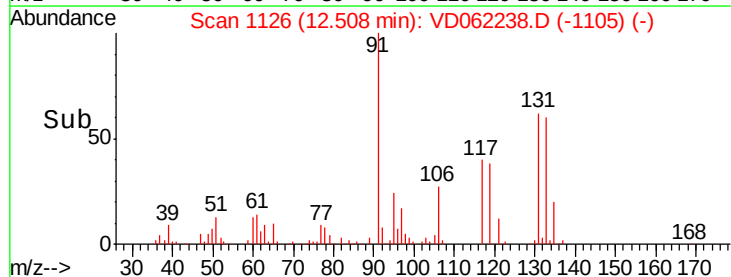
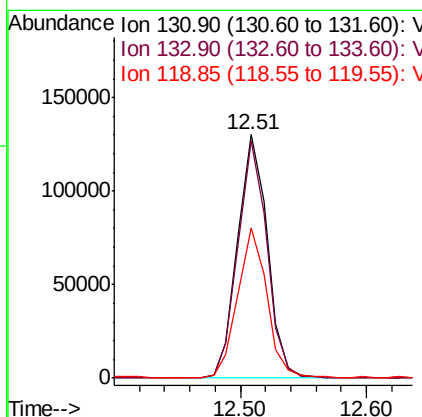
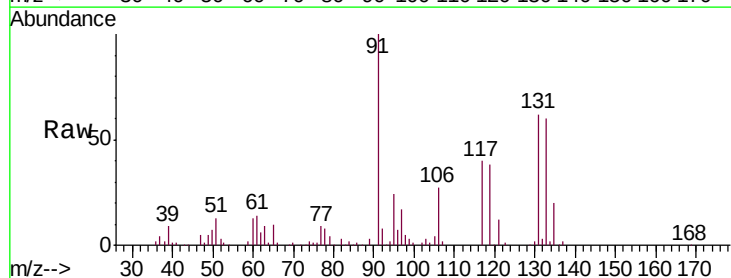
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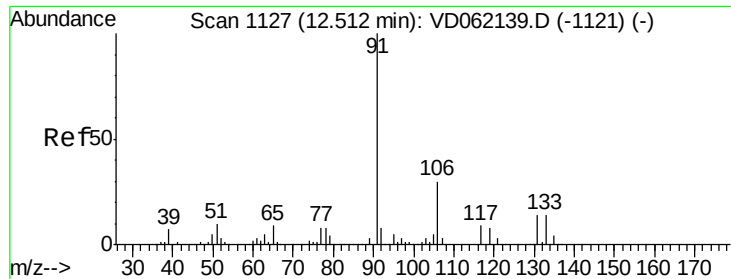
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#66
1,1,1,2-Tetrachloroethane
Concen: 86.044 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion:131 Resp: 212022
Ion Ratio Lower Upper
131 100
133 97.2 48.6 145.8
119 61.7 34.7 104.1





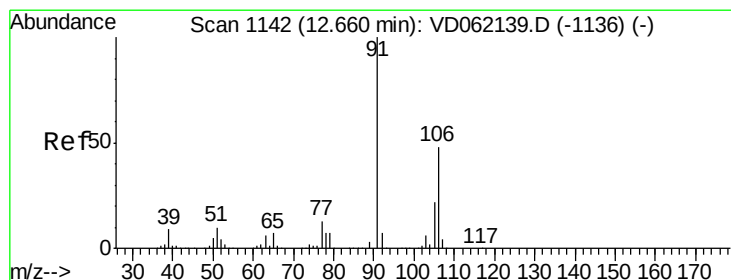
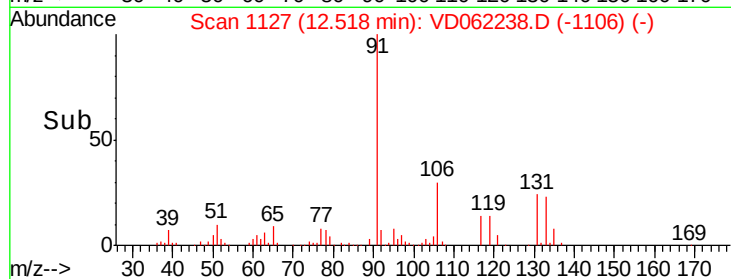
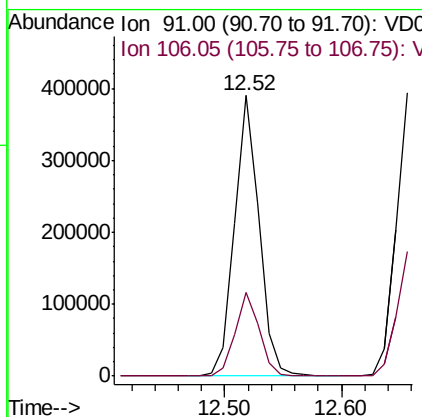
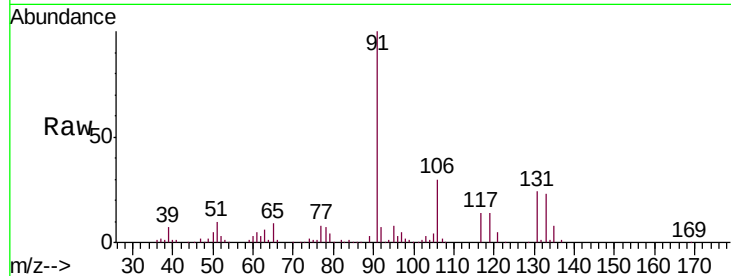
#67
Ethyl Benzene
Concen: 59.962 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion: 91 Resp: 568371
Ion Ratio Lower Upper
91 100
106 29.7 24.7 37.1

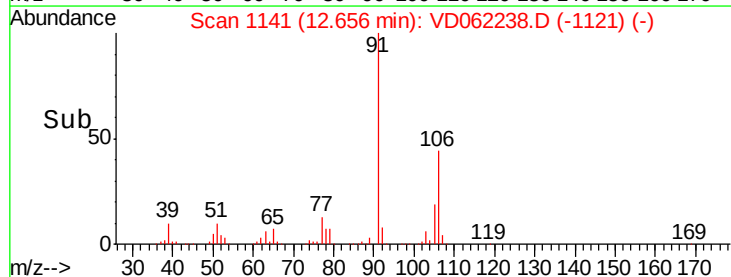
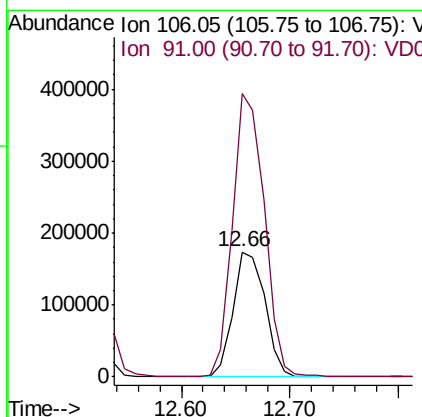
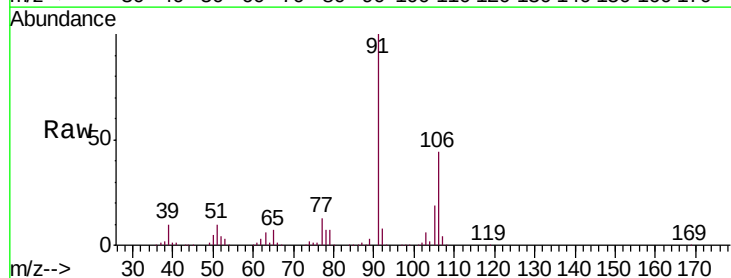
Manual Integrations
APPROVED

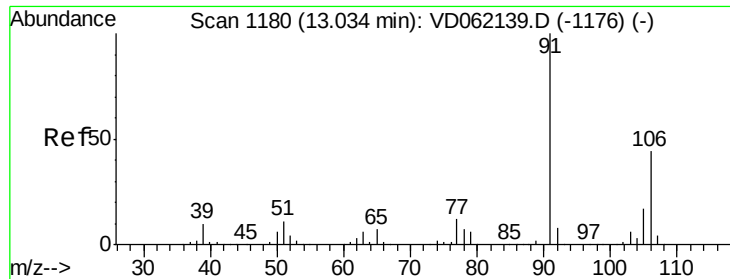
MMDadoda
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#68
m/p-Xylenes
Concen: 103.625 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 106 Resp: 357363
Ion Ratio Lower Upper
106 100
91 226.7 164.0 246.0





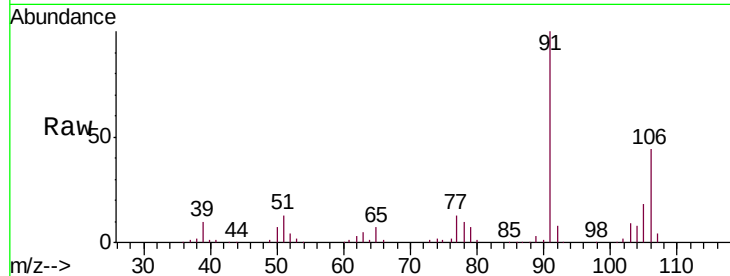
#69
o-Xylene
Concen: 66.075 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

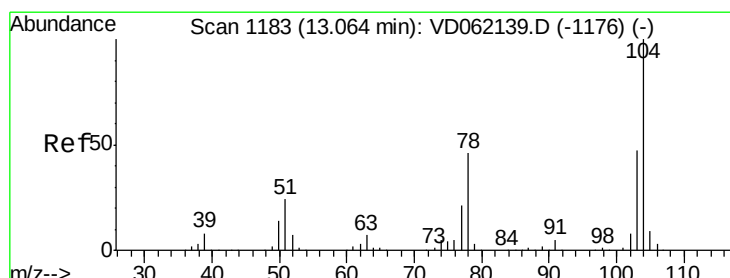
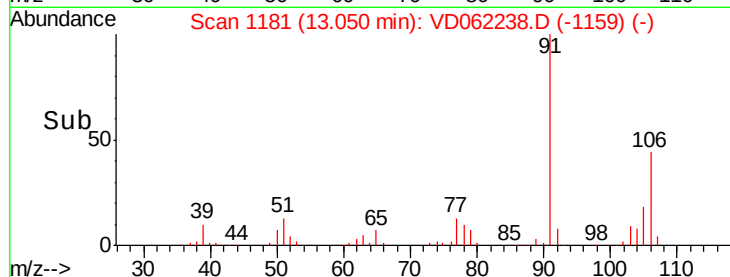
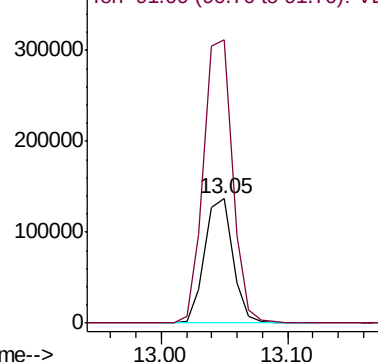
Tgt Ion:106 Resp: 211844
Ion Ratio Lower Upper
106 100
91 227.6 106.7 319.9

Manual Integrations
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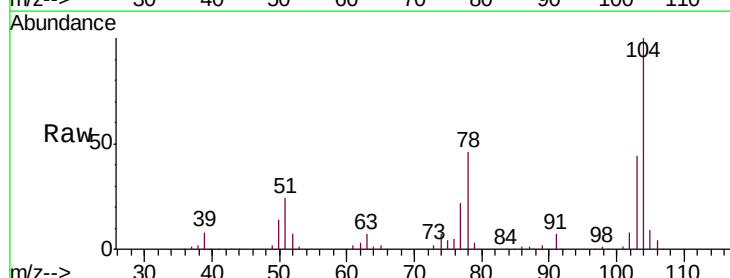


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

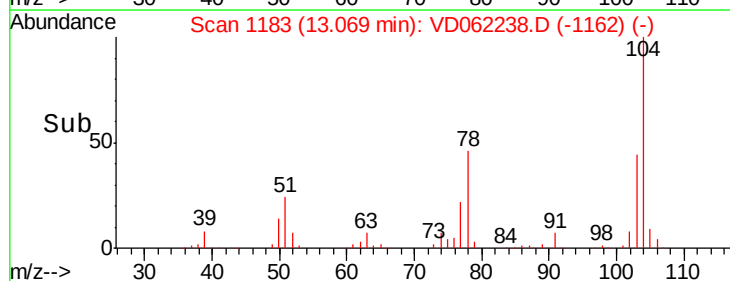
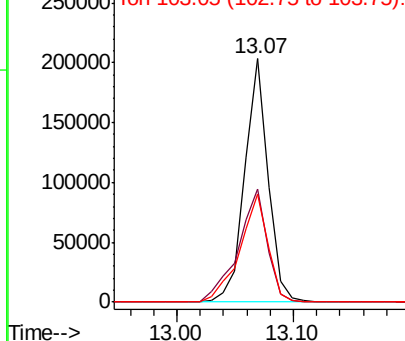


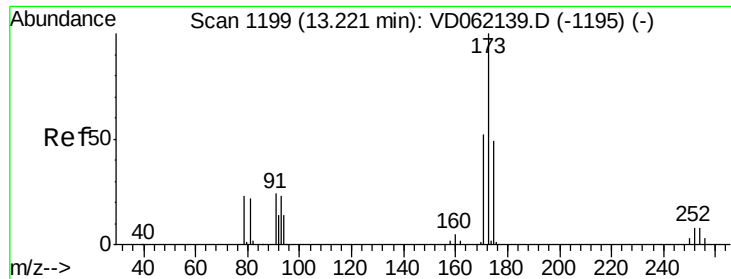
#70
Styrene
Concen: 51.925 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion:104 Resp: 282017
Ion Ratio Lower Upper
104 100
78 46.4 35.4 53.2
103 44.3 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: 83.787 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

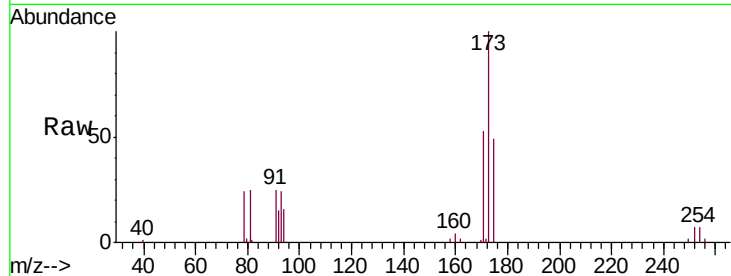
ClientSampleId :

P026-SS006-0002-01MS

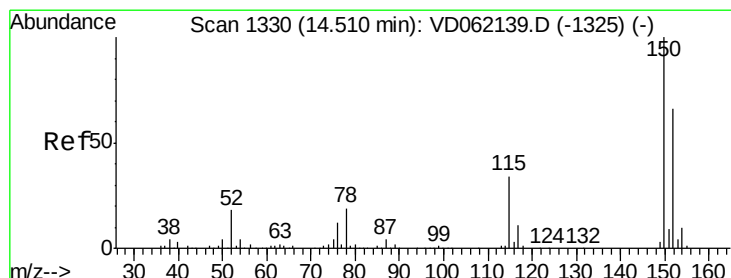
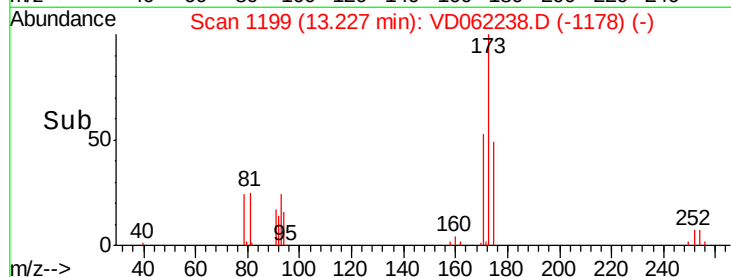
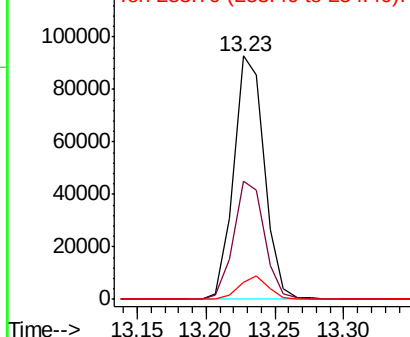
Tgt Ion:	173	Resp:	143642
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.4	73.4
254	7.2	5.4	8.2

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

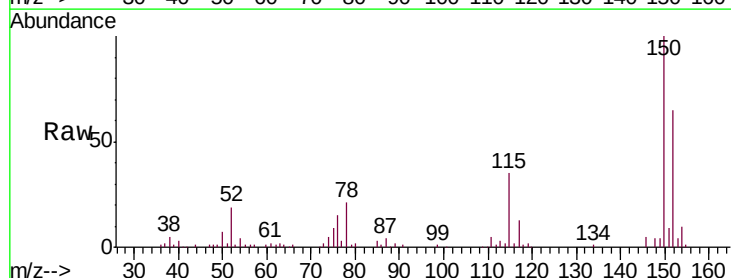
RT: 14.52 min Scan# 1330

Delta R.T. 0.01 min

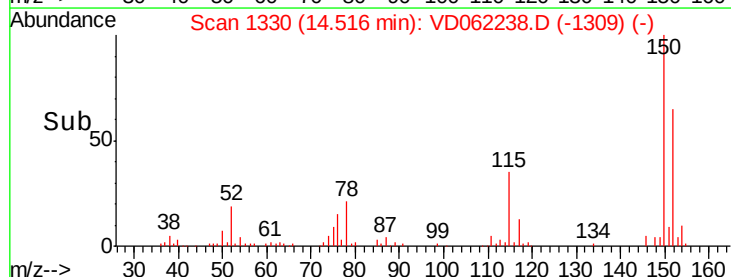
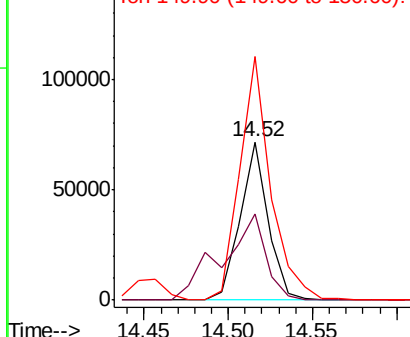
Lab File: VD062238.D

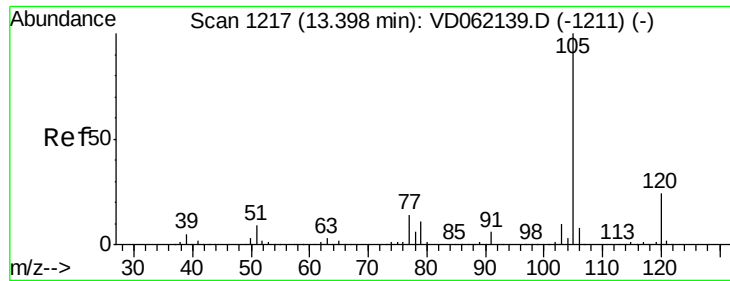
Acq: 11 May 2019 15:36

Tgt Ion:	152	Resp:	82423
Ion Ratio	Lower	Upper	
152	100		
115	54.3	30.9	92.7
150	153.8	0.0	314.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





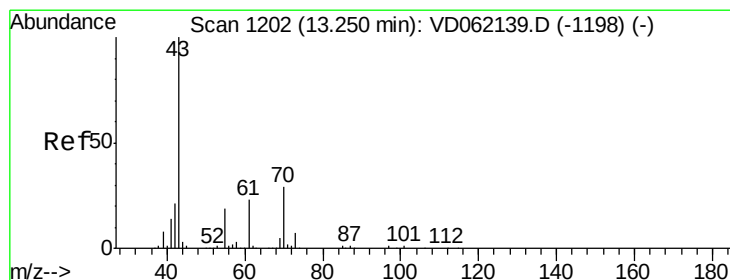
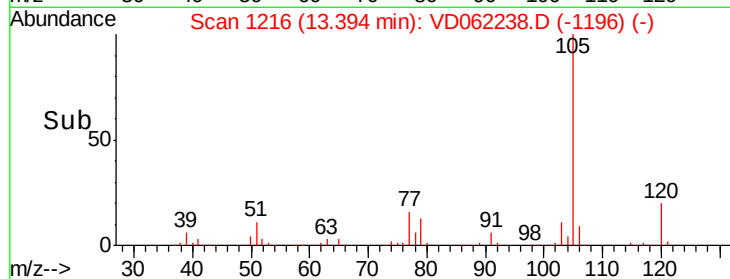
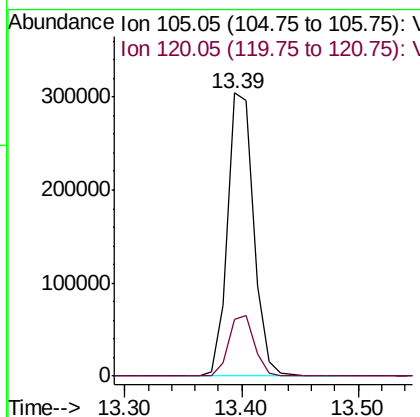
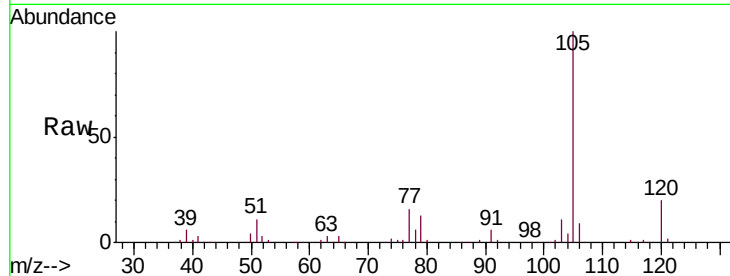
#73
Isopropylbenzene
Concen: 95.440 ug/l
RT: 13.39 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion: 105 Resp: 471538
Ion Ratio Lower Upper
105 100
120 20.2 12.0 36.1

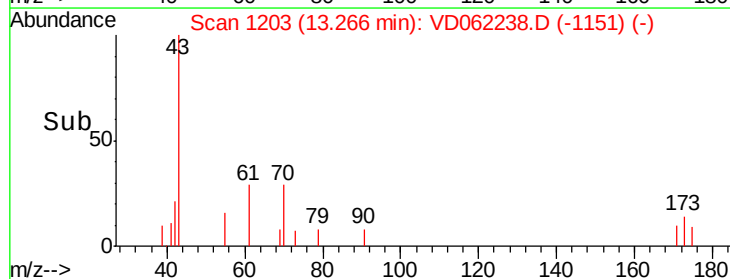
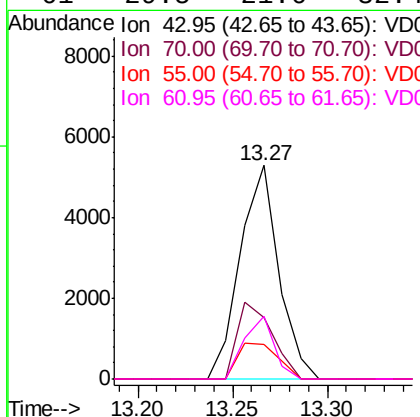
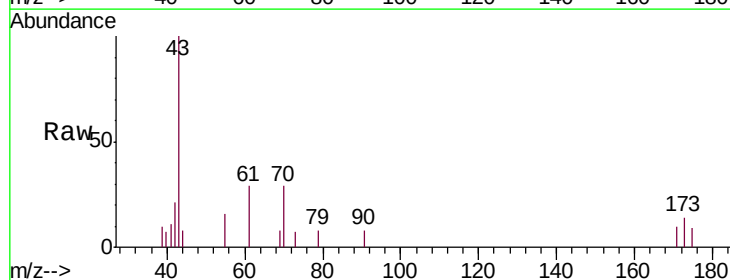
Manual Integrations
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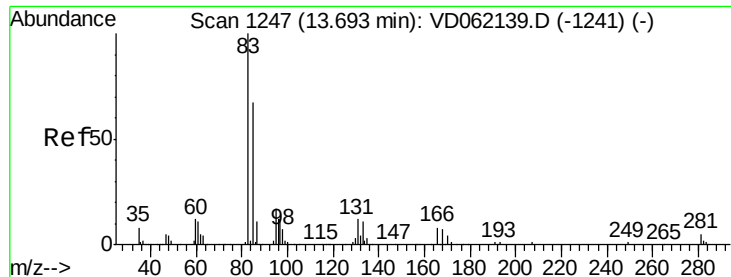
MMDadoda
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#74
N-ethyl acetate
Concen: 5.777 ug/l
RT: 13.27 min Scan# 1203
Delta R.T. 0.02 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion: 43 Resp: 7483
Ion Ratio Lower Upper
43 100
70 29.1 24.2 36.4
55 16.1 16.0 24.0
61 29.5 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 159.112 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion: 83 Resp: 148823

Ion Ratio Lower Upper

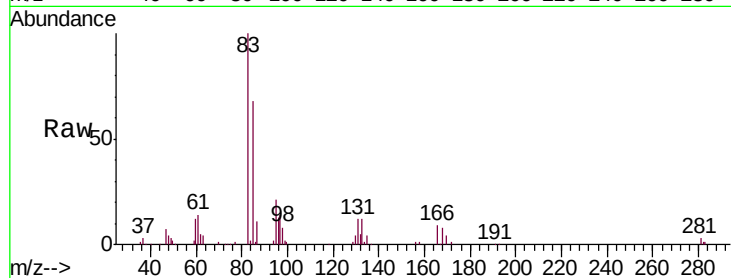
83 100

131 11.7 5.0 14.9

85 67.6 32.6 97.7

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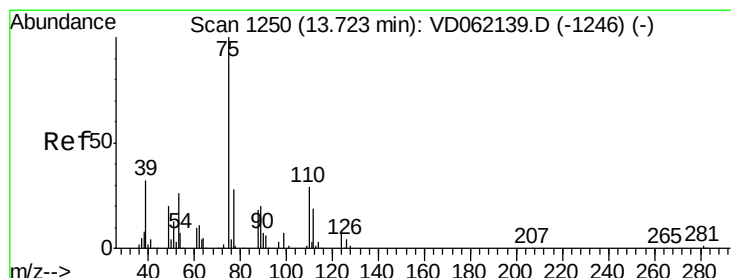
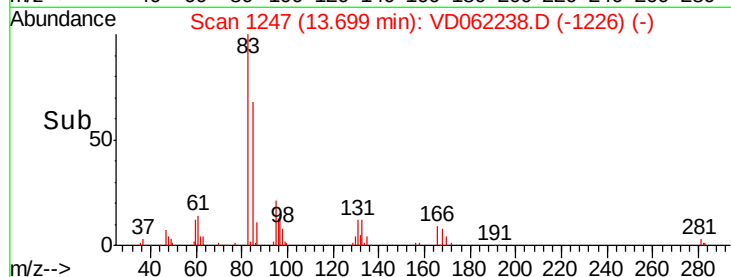
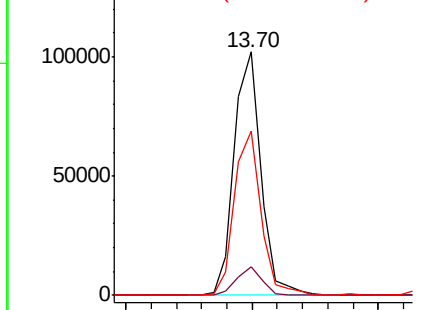
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 142.015 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD062238.D

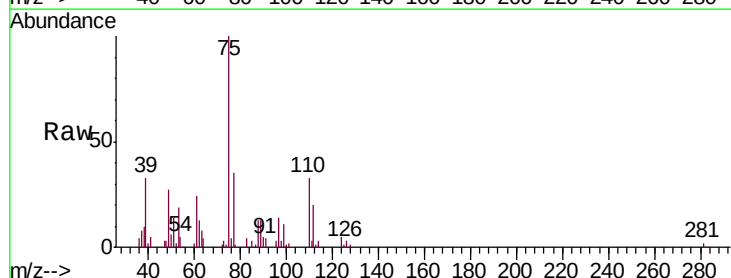
Acq: 11 May 2019 15:36

Tgt Ion: 75 Resp: 139108

Ion Ratio Lower Upper

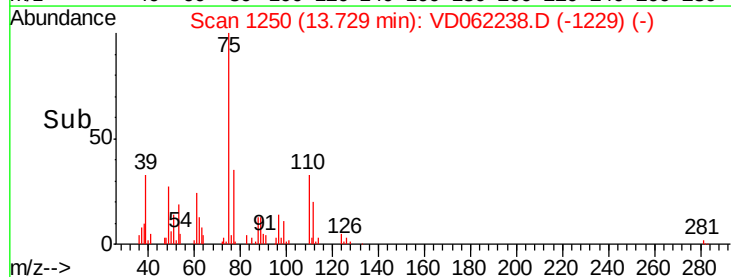
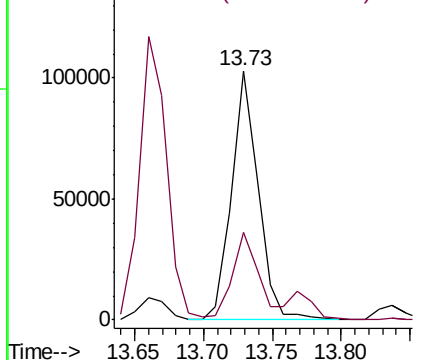
75 100

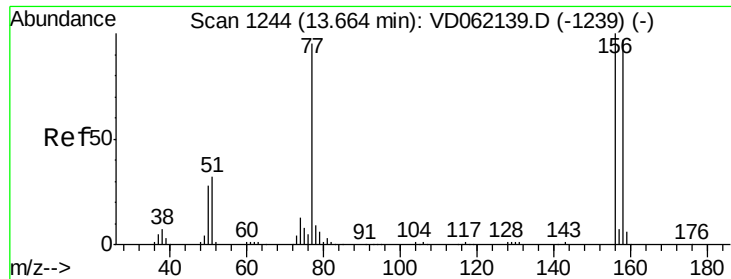
77 35.3 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





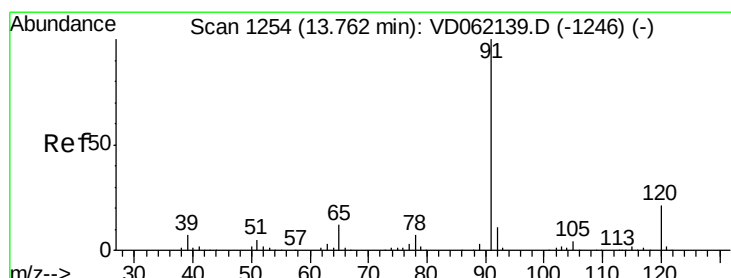
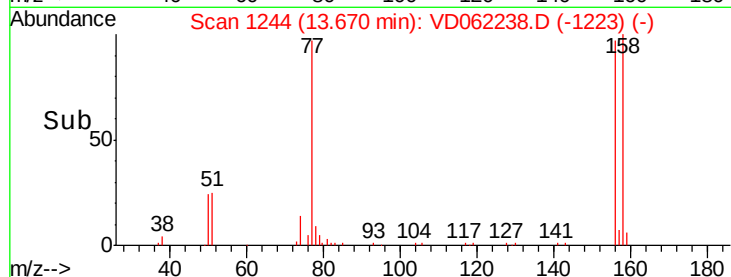
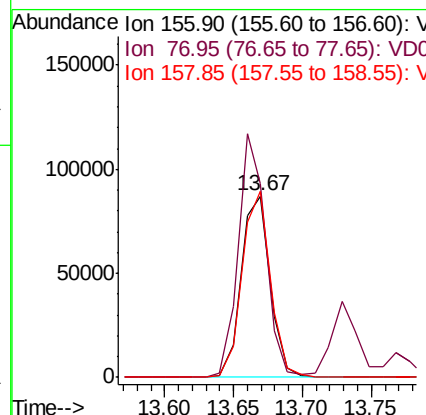
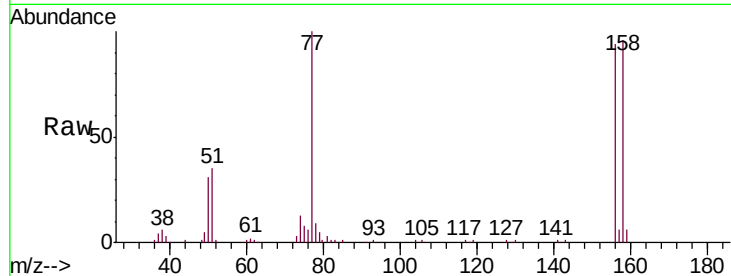
#77
Bromobenzene
Concen: 92.196 ug/l
RT: 13.67 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion	Ratio	Lower	Upper
156	100		
77	106.8	53.1	159.4
158	102.7	49.4	148.0

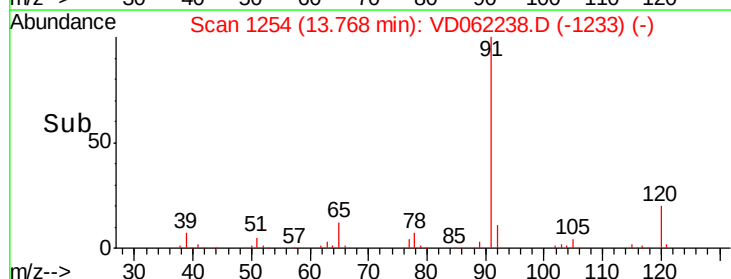
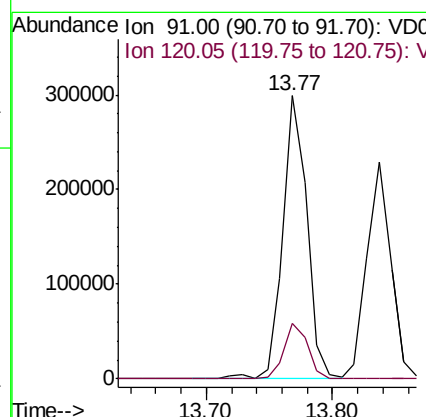
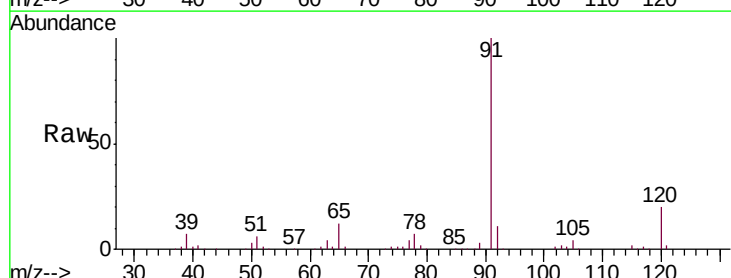
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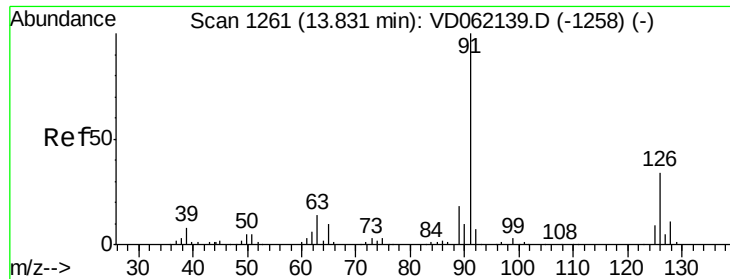
MMDadoda
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#78
n-propylbenzene
Concen: 67.618 ug/l
RT: 13.77 min Scan# 1254
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.8	11.1	33.1





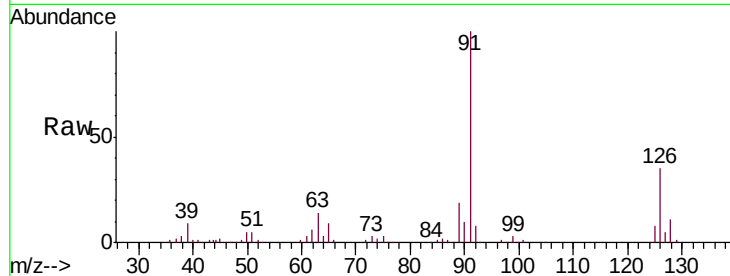
#79
 2-Chlorotoluene
 Concen: 89.135 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

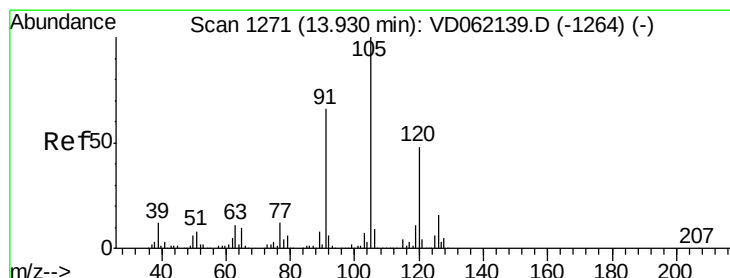
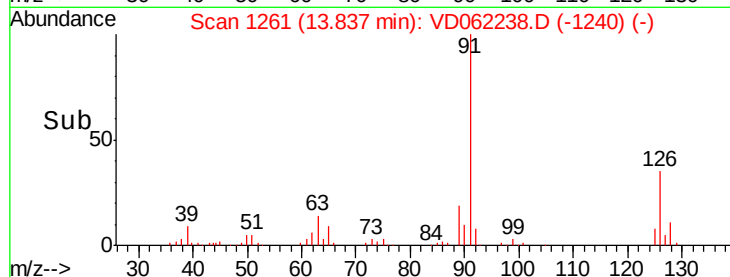
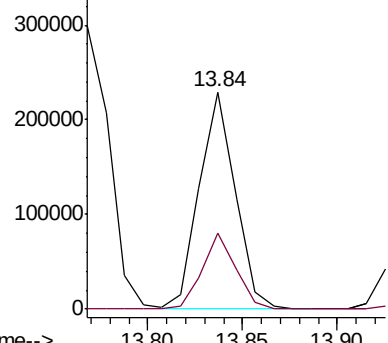
Tgt Ion: 91 Resp: 300867
 Ion Ratio Lower Upper
 91 100
 126 35.3 18.6 55.8

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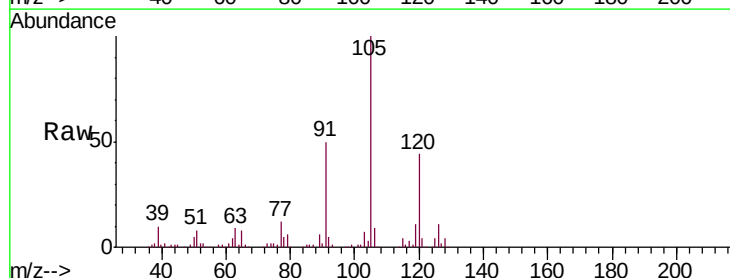


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

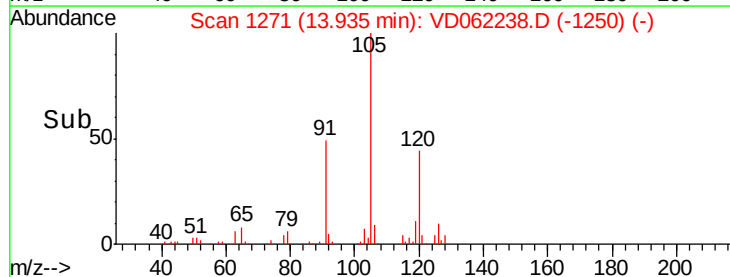
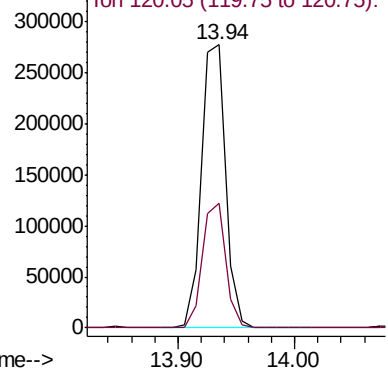


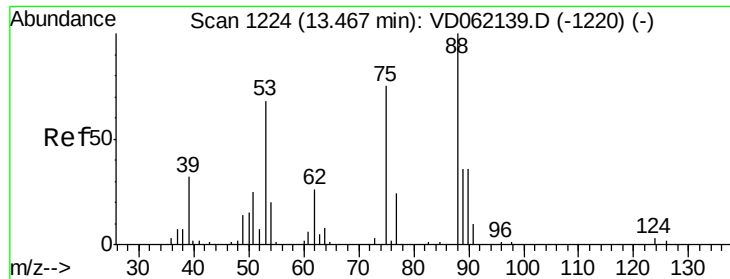
#80
 1,3,5-Trimethylbenzene
 Concen: 96.142 ug/l
 RT: 13.94 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion: 105 Resp: 399995
 Ion Ratio Lower Upper
 105 100
 120 43.9 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





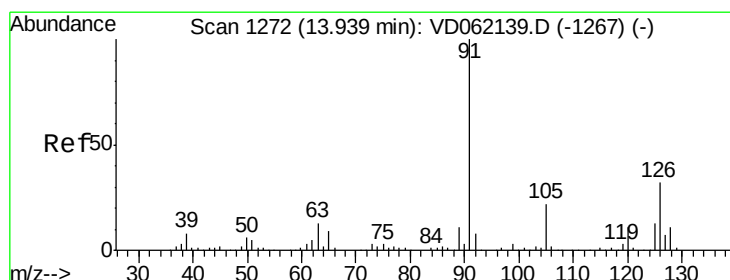
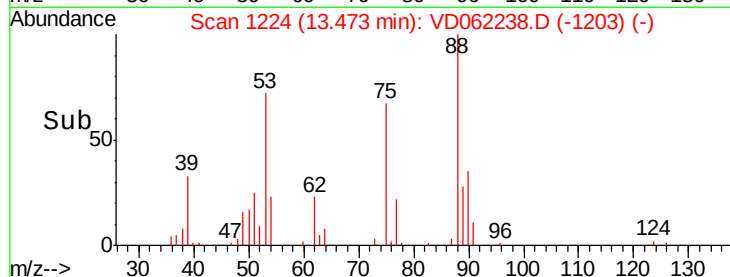
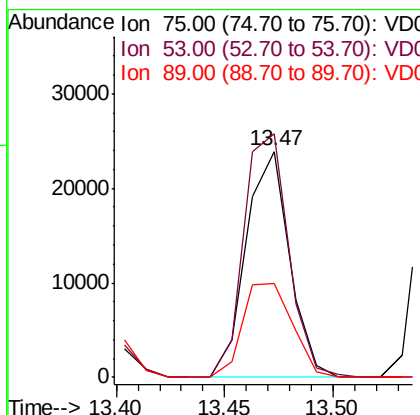
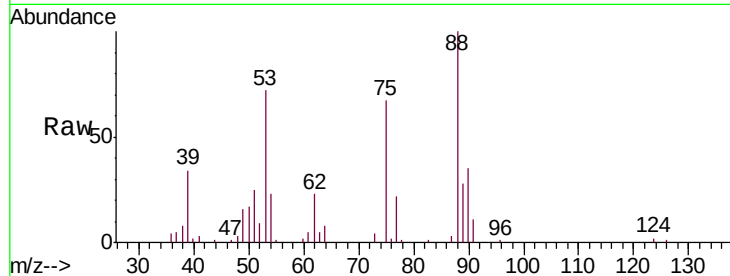
#81
trans-1,4-Dichloro-2-butene
Concen: 120.759 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	33393		
53	107.6	65.8	98.8#	
89	41.7	35.0	52.6	

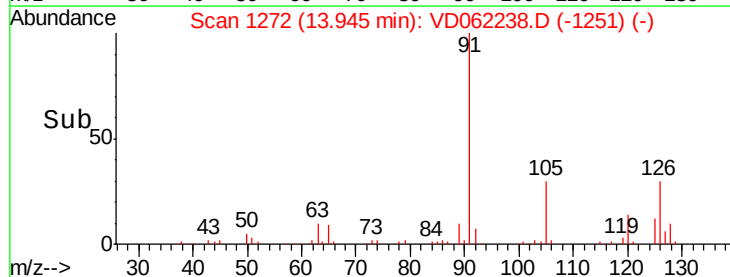
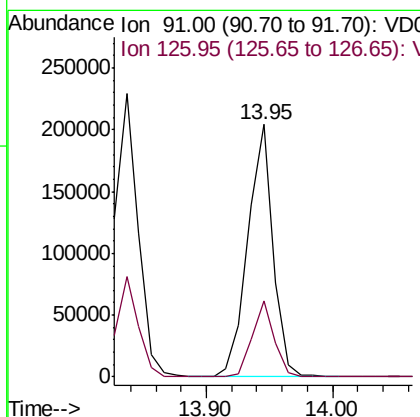
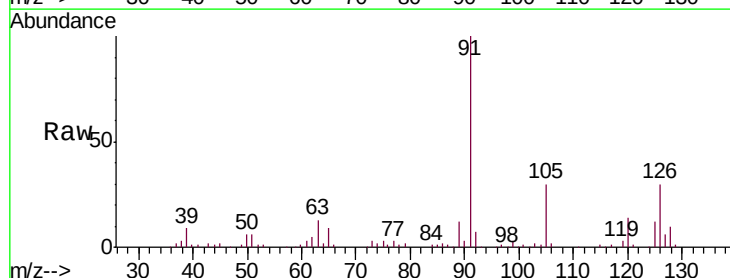
Manual Integrations
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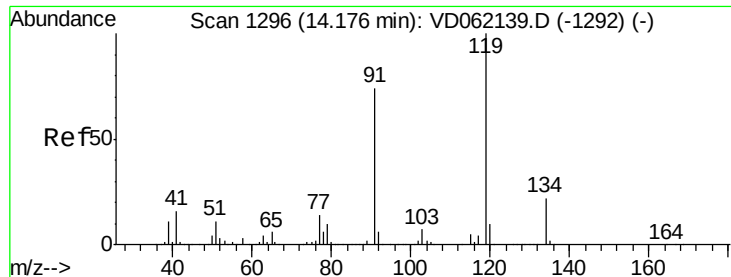
MMDadoda
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#82
4-Chlorotoluene
Concen: 71.006 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	282037		
126	30.1	19.1	57.5	





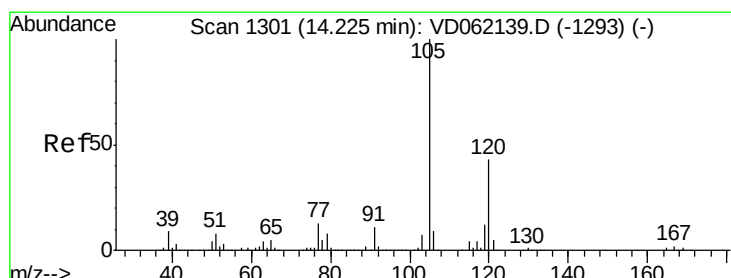
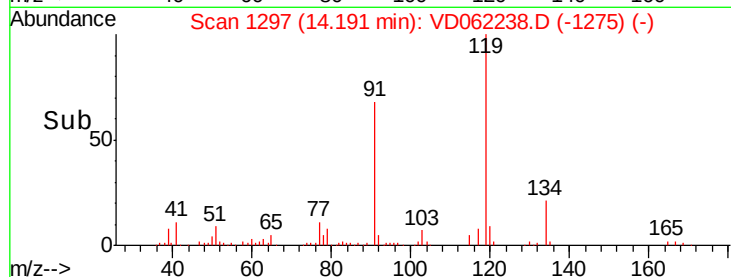
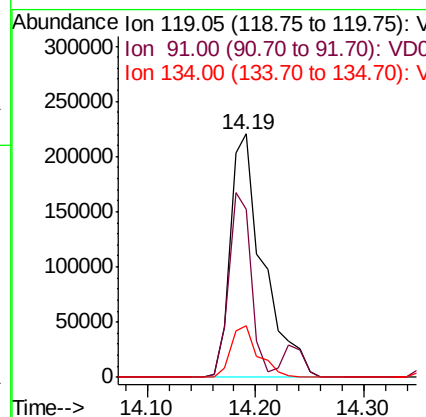
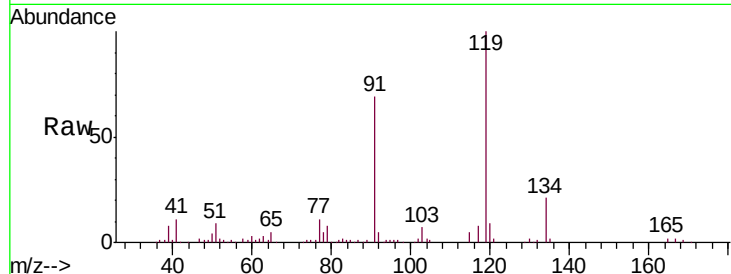
#83
 tert-Butylbenzene
 Concen: 99.462 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.02 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	465116		
91	69.3	34.2	102.6	
134	21.2	12.0	36.0	

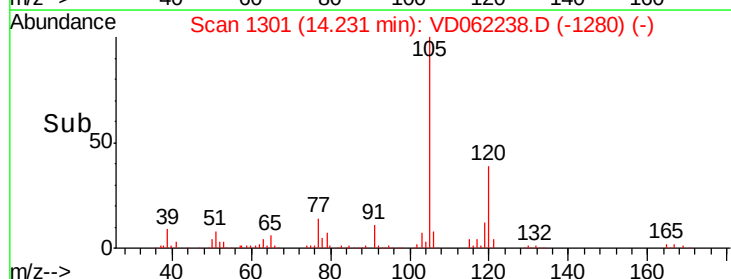
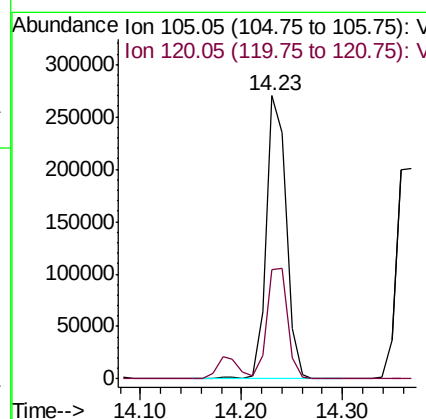
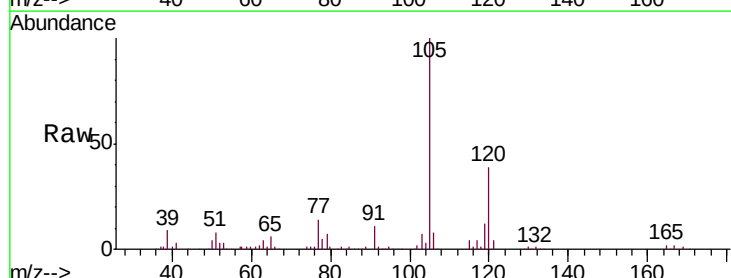
Manual Integrations
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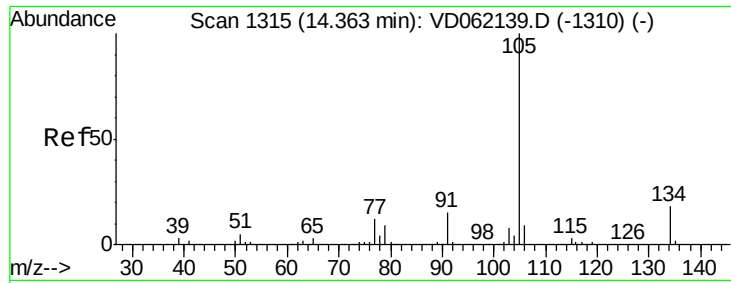
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#84
 1,2,4-Trimethylbenzene
 Concen: 89.206 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	372437		
120	38.8	23.1	69.2	





#85

sec-Butylbenzene

Concen: 58.171 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

P026-SS006-0002-01MS

Tgt Ion:105 Resp: 298254

Ion Ratio Lower Upper

105 100

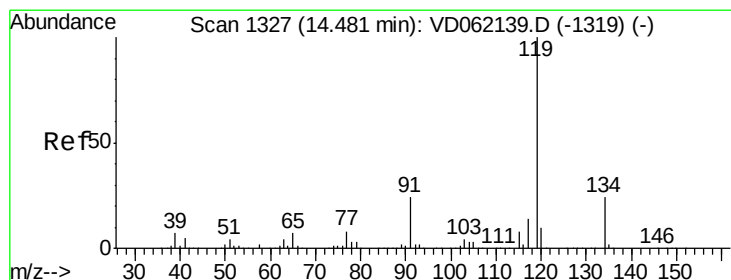
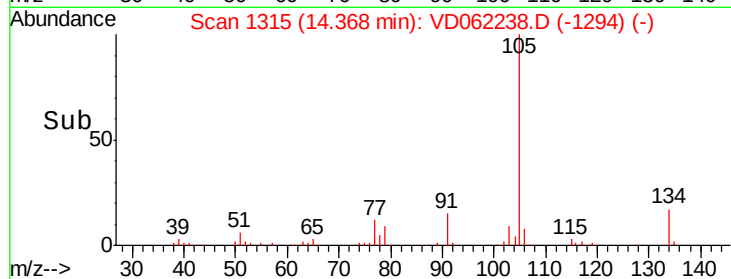
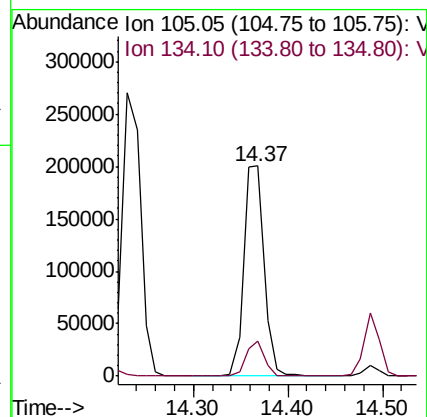
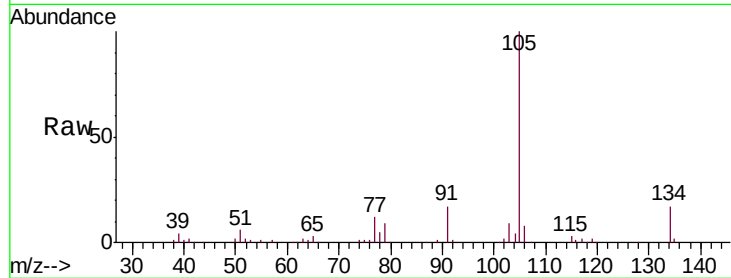
134 16.8 8.9 26.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 67.688 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD062238.D

Acq: 11 May 2019 15:36

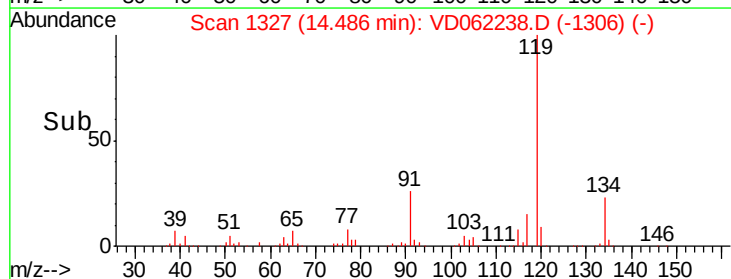
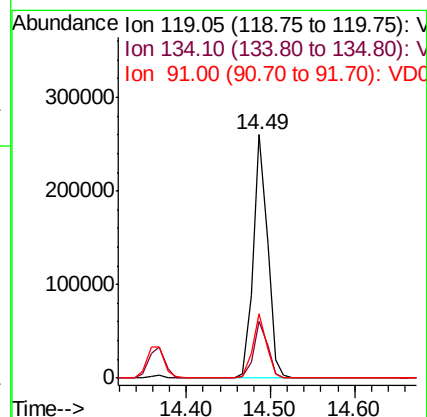
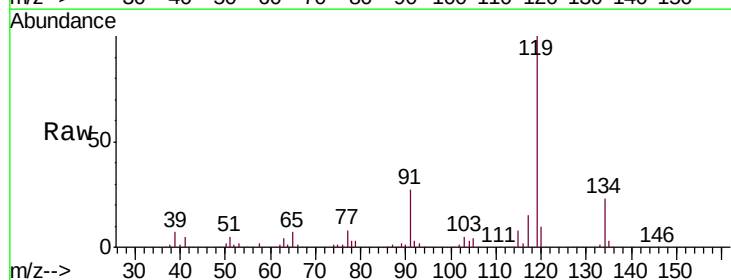
Tgt Ion:119 Resp: 310065

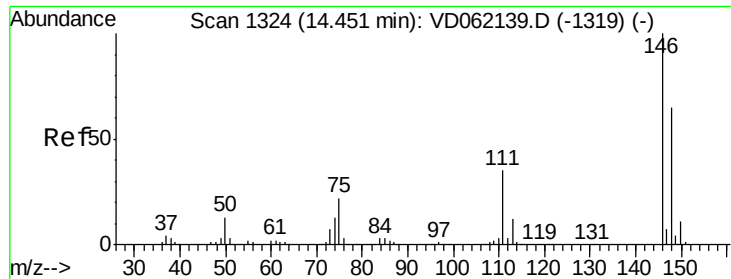
Ion Ratio Lower Upper

119 100

134 23.1 12.8 38.3

91 26.6 10.7 32.1





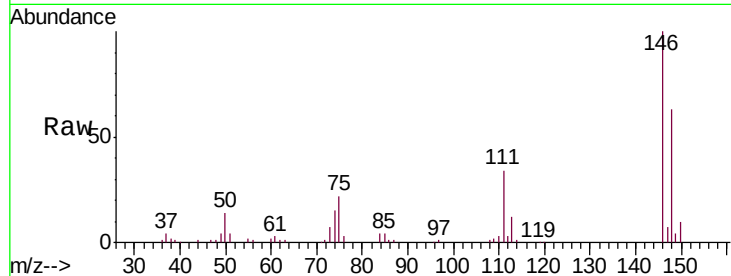
#87
 1,3-Dichlorobenzene
 Concen: 50.841 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

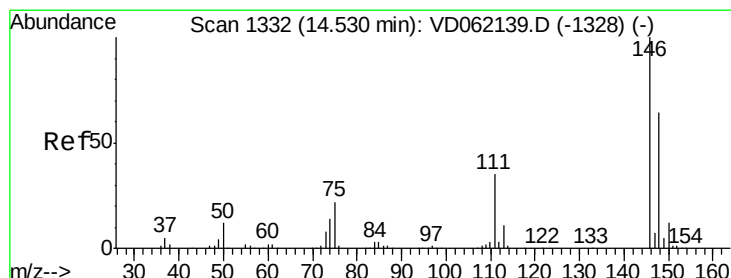
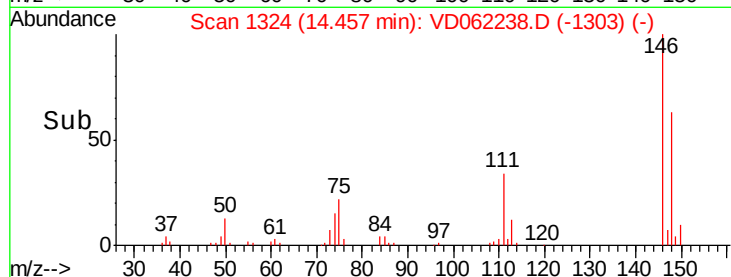
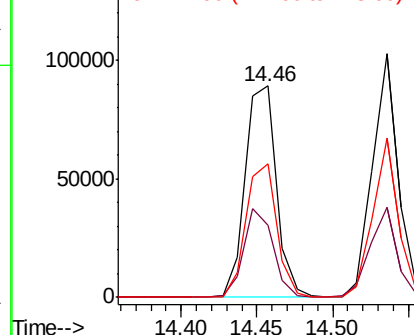
Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	34.1	20.0	60.0
148	63.5	31.8	95.4

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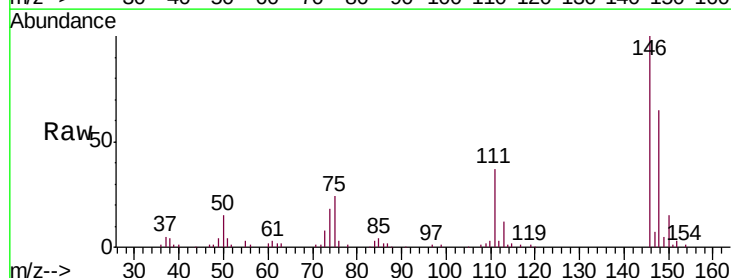


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

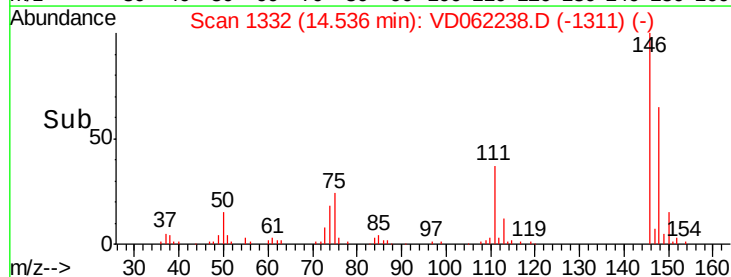
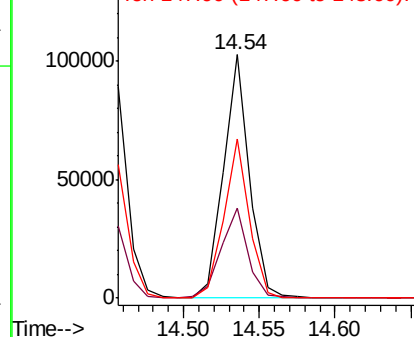


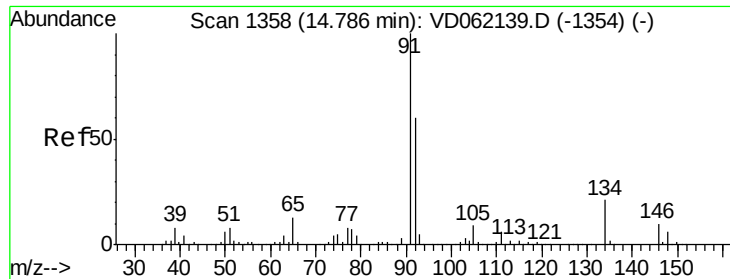
#88
 1,4-Dichlorobenzene
 Concen: 49.078 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	37.0	20.2	60.5
148	65.3	32.0	96.2



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





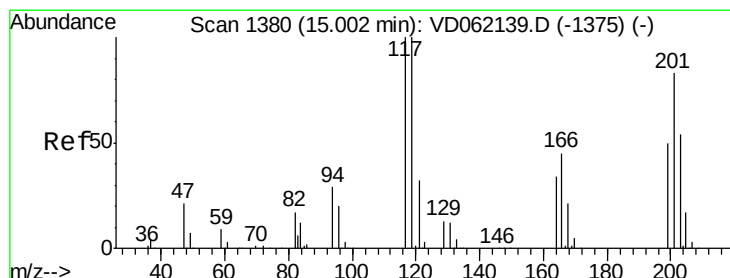
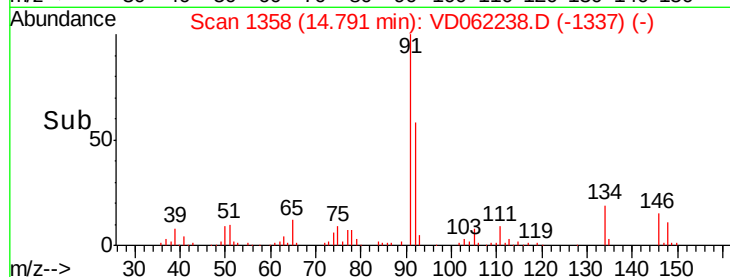
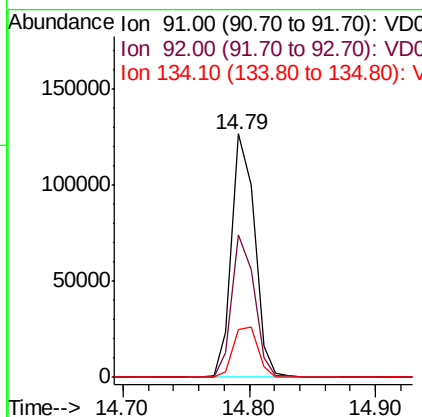
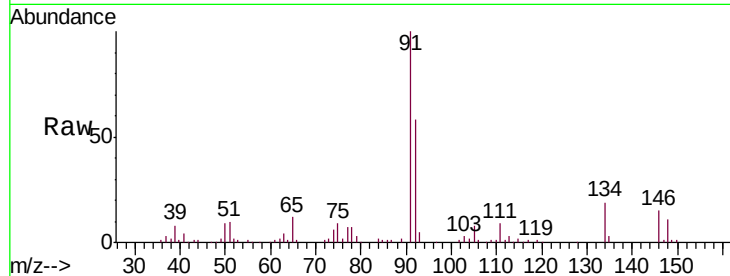
#89
n-Butylbenzene
Concen: 38.863 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.5	30.3	91.0
134	19.5	14.5	43.6

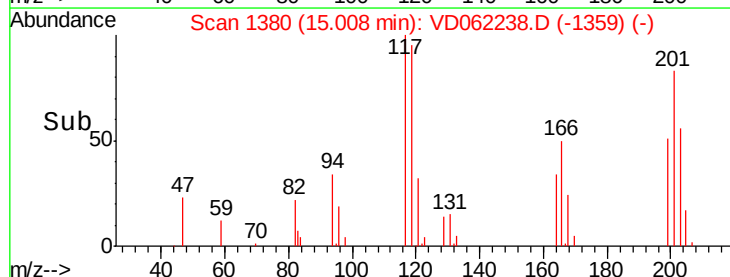
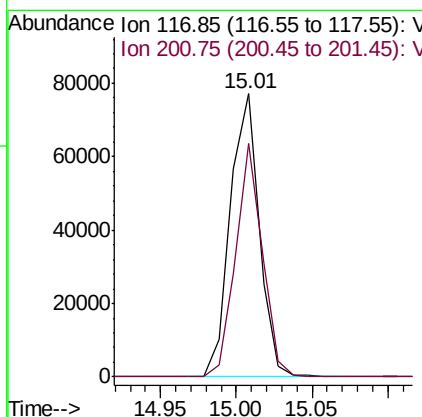
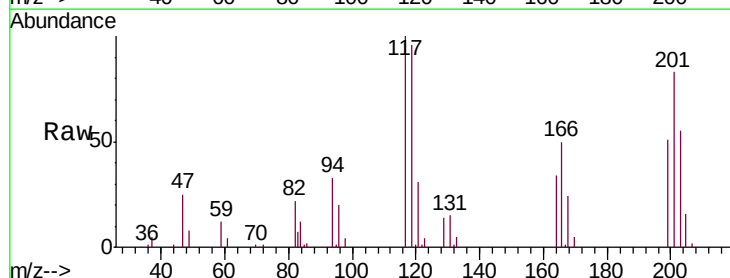
Manual Integrations
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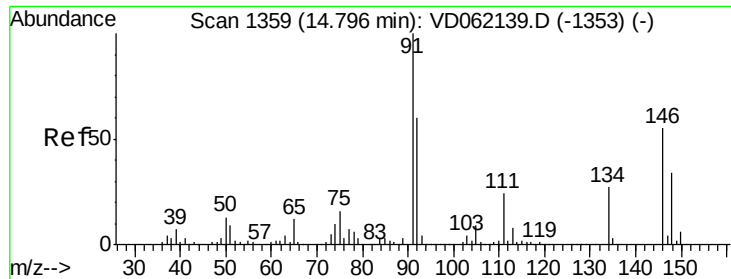
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#90
Hexachloroethane
Concen: 82.062 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	30.2	90.6





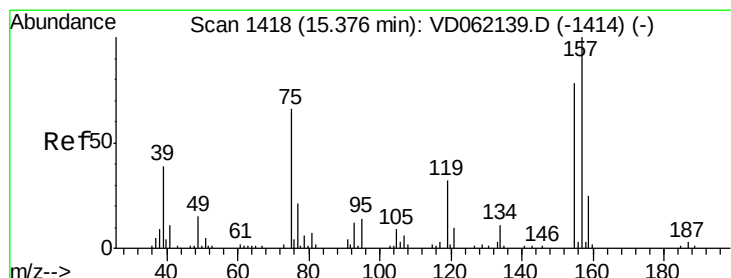
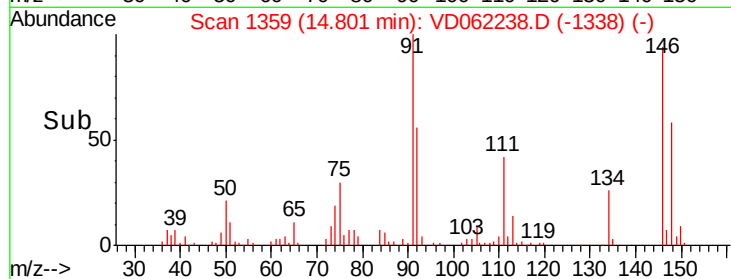
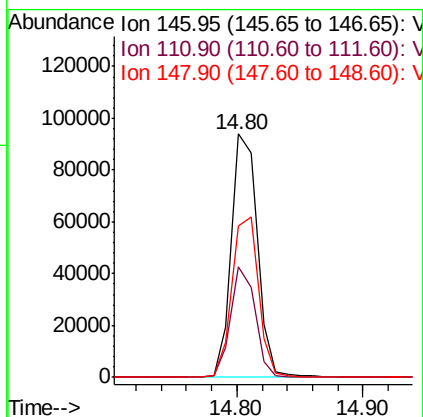
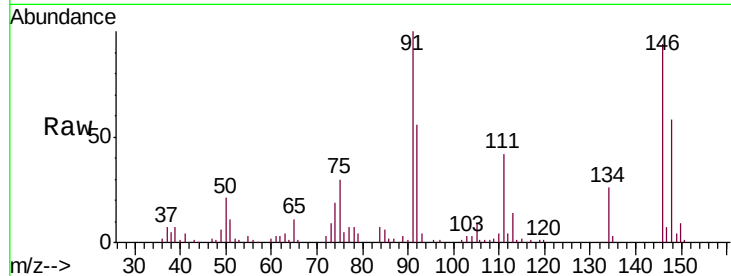
#91
 1,2-Dichlorobenzene
 Concen: 64.181 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	133547		
111	45.2	20.0	59.9	
148	62.4	32.3	96.8	

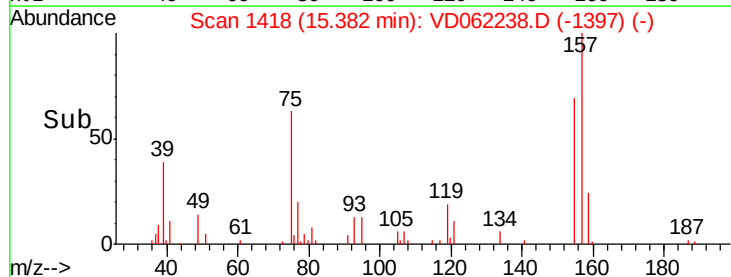
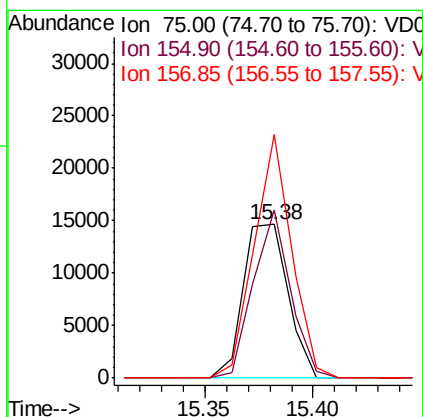
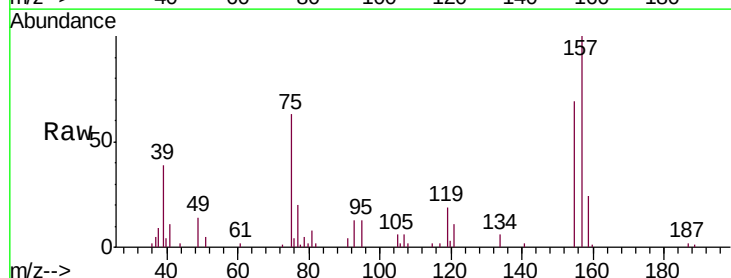
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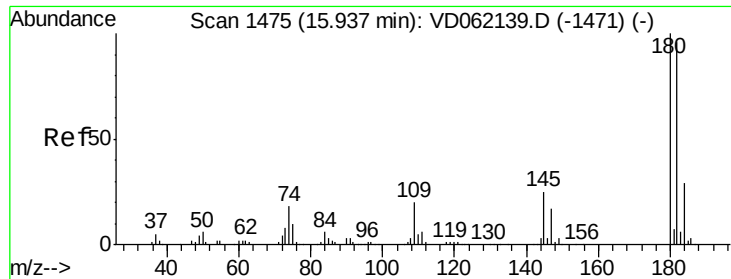
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 136.664 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20983		
155	109.2	55.3	165.8	
157	158.6	67.8	203.2	





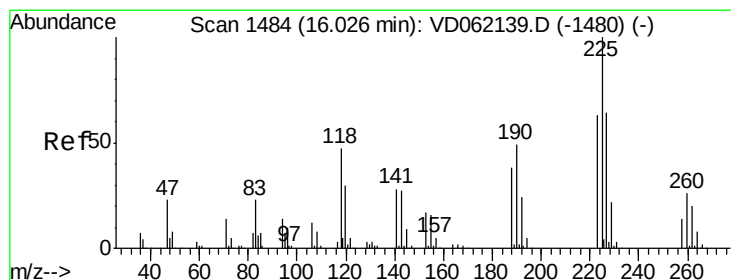
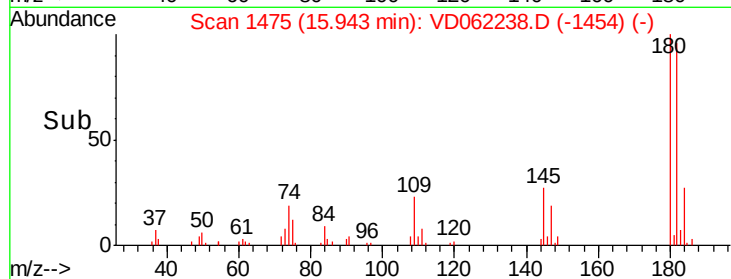
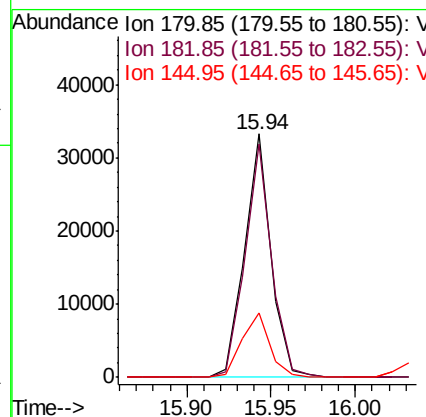
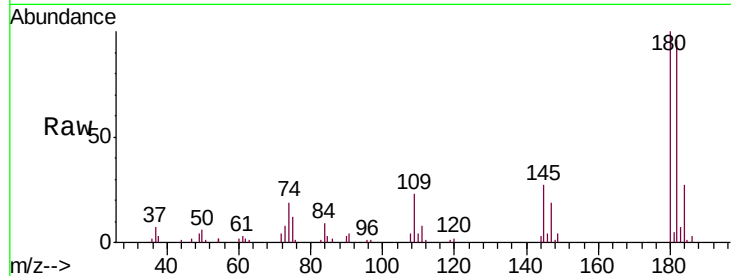
#93
 1,2,4-Trichlorobenzene
 Concen: 23.753 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	35975		
182	95.9	49.3	147.8	
145	26.7	16.2	48.6	

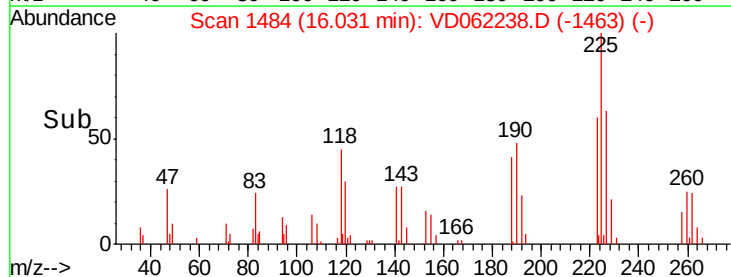
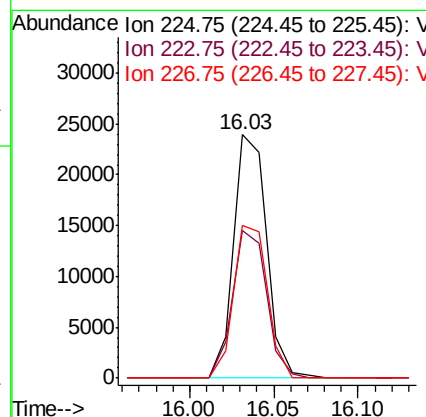
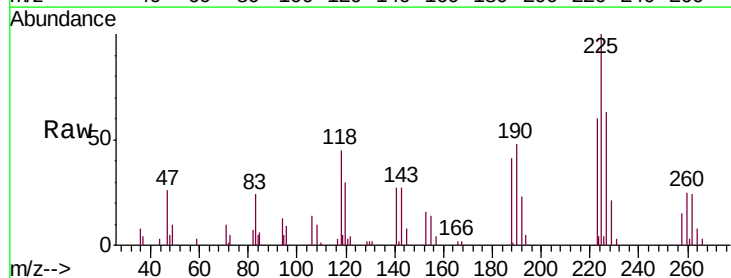
Manual Integrations
 APPROVED

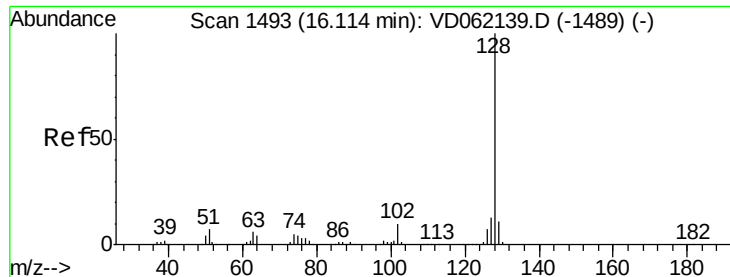
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#94
 Hexachlorobutadiene
 Concen: 28.885 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062238.D
 Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32538		
223	60.4	30.6	92.0	
227	62.7	32.0	96.2	





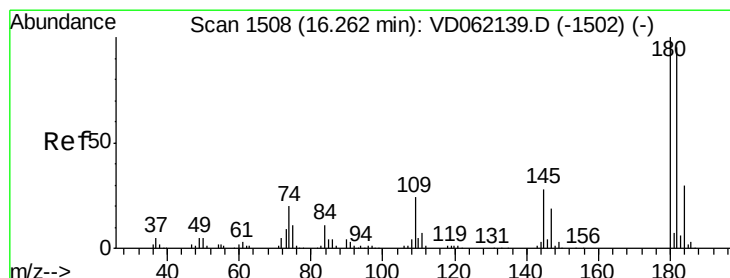
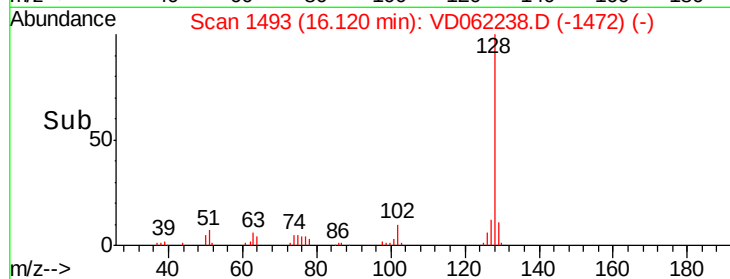
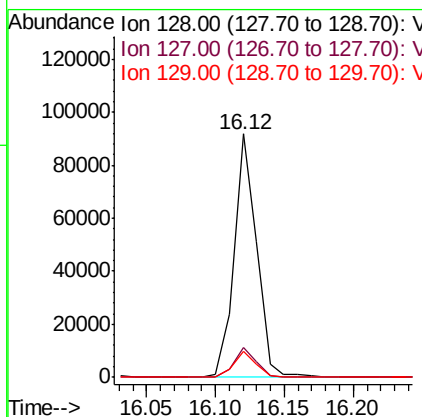
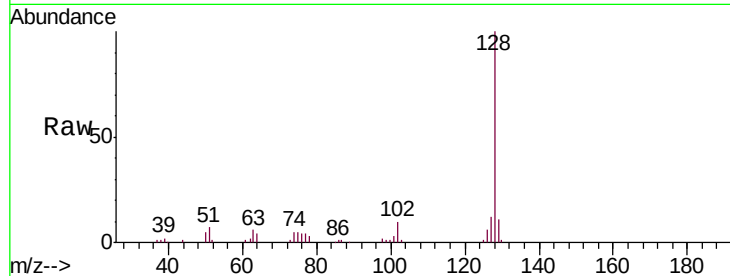
#95
Naphthalene
Concen: 49.139 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Instrument :
MSVOA_D
ClientSampleId :
P026-SS006-0002-01MS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	103901		
127	12.4	9.8	14.8	
129	10.5	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 32.939 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD062238.D
Acq: 11 May 2019 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	31366		
182	89.2	47.0	141.0	
145	28.7	17.0	51.0	

