

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060122\
 Data File : VD073448.D
 Acq On : 01 Jun 2022 15:19
 Operator : VA/SY
 Sample : N3099-02
 Misc : 3.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220420-COMPOSITE-I

Quant Time: Jun 02 04:09:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

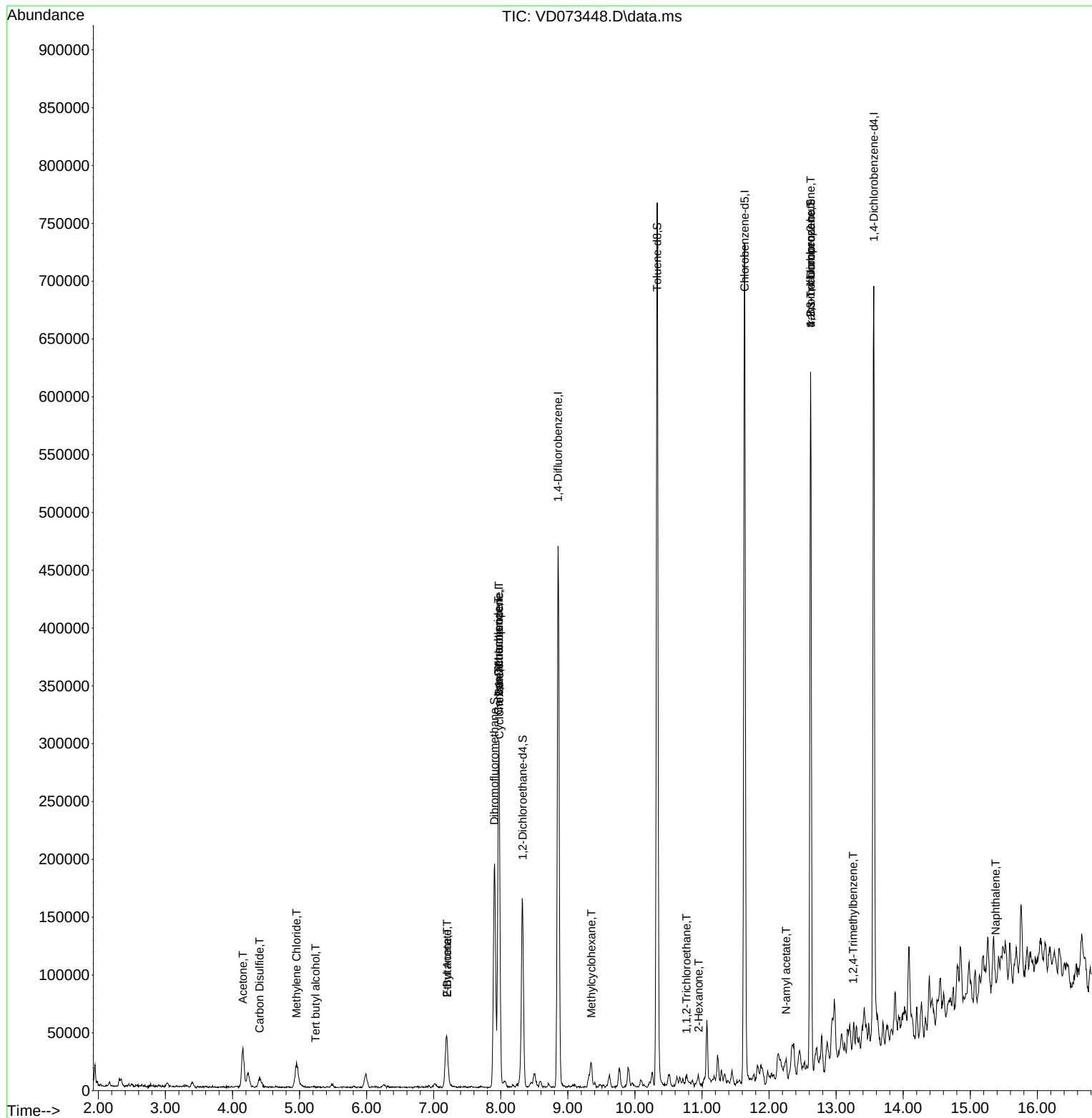
Internal Standards						
1) Pentafluorobenzene	7.973	168	217466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	435366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	179452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	127246	52.946	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.900%	
35) Dibromofluoromethane	7.902	113	142623	54.064	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.120%	
50) Toluene-d8	10.332	98	502291	51.653	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	12.620	95	187696	54.999	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	636	Below Cal	#	66
11) Tert butyl alcohol	5.238	59	457	1.226	ug/l #	74
13) Acrolein	3.914	56	87	Below Cal		96
16) Acetone	4.156	43	59181	142.167	ug/l	96
17) Carbon Disulfide	4.403	76	16011	2.210	ug/l	100
20) Methylene Chloride	4.956	84	16278	2.361	ug/l #	81
25) 2-Butanone	7.202	43	12569	20.638	ug/l	95
31) Cyclohexane	7.979	56	7587	1.807	ug/l #	27
36) 1,1-Dichloropropene	7.973	75	18794	4.737	ug/l #	43
37) Ethyl Acetate	7.202	43	12569	8.020	ug/l #	54
38) Carbon Tetrachloride	7.967	117	23586	5.865	ug/l #	18
39) Methylcyclohexane	9.349	83	8680	1.963	ug/l #	91
55) 1,1,2-Trichloroethane	10.767	97	2202	1.030	ug/l #	23
59) 2-Hexanone	10.949	43	3440	3.468	ug/l #	30
74) N-amyl acetate	12.255	43	3984	1.428	ug/l #	66
76) 1,2,3-Trichloropropane	12.620	75	93060	52.853	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	93060	126.884	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.255	105	11738	1.096	ug/l	97
95) Naphthalene	15.379	128	3846	4.150	ug/l #	81

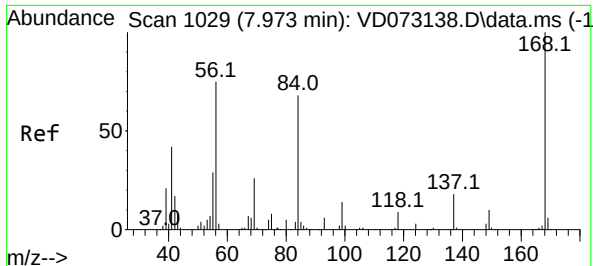
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
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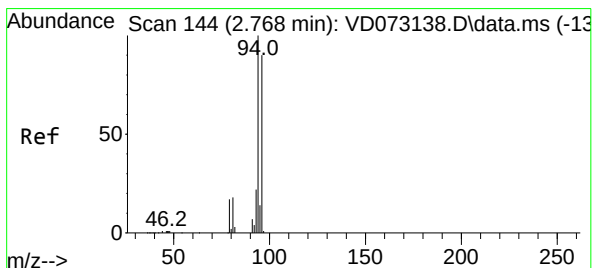
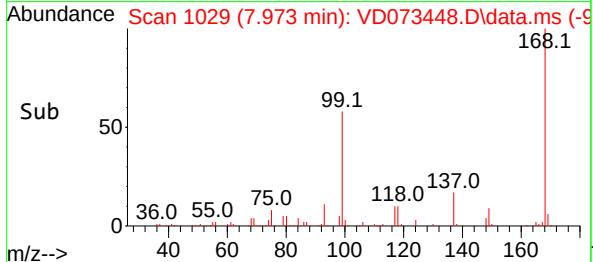
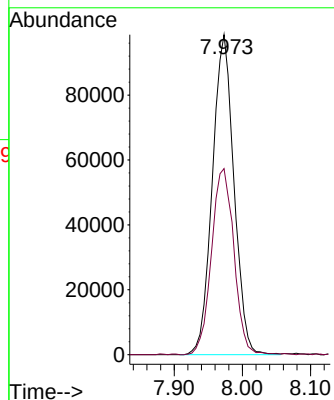
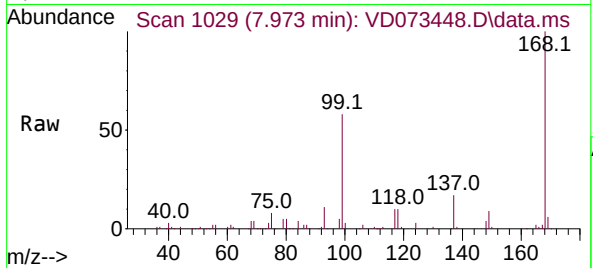




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

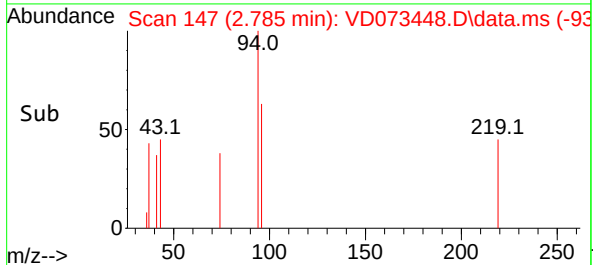
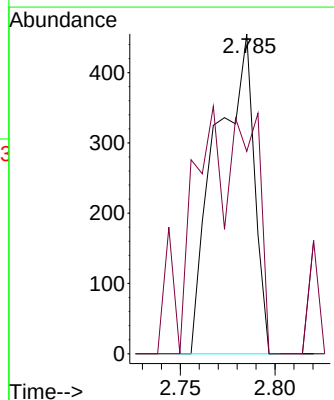
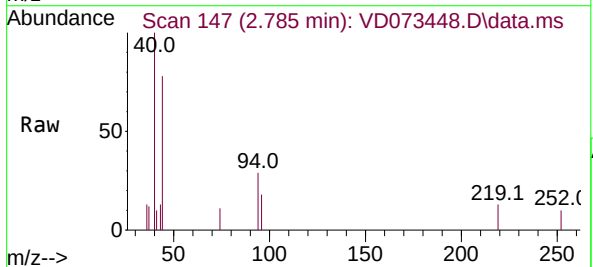
Instrument :
MSVOA_D
ClientSampleId :
20220420-COMPOSITE-I

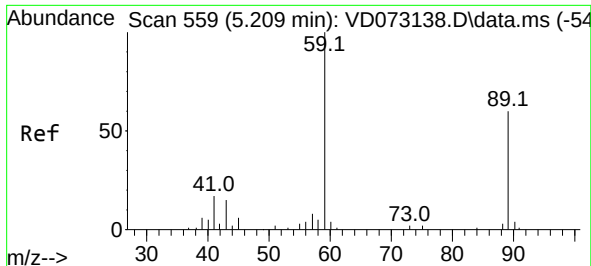
Tgt Ion:168 Resp: 217466
Ion Ratio Lower Upper
168 100
99 58.2 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

Tgt Ion: 94 Resp: 636
Ion Ratio Lower Upper
94 100
96 63.3 77.6 116.4#





#11

Tert butyl alcohol

Concen: 1.226 ug/l

RT: 5.238 min Scan# 5

Delta R.T. 0.029 min

Lab File: VD073448.D

Acq: 01 Jun 2022 15:19

Instrument :

MSVOA_D

ClientSampleId :

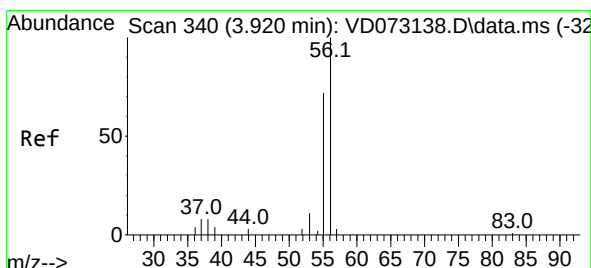
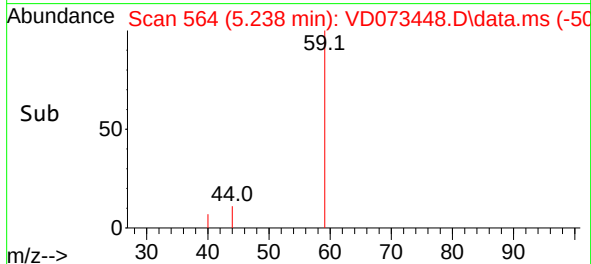
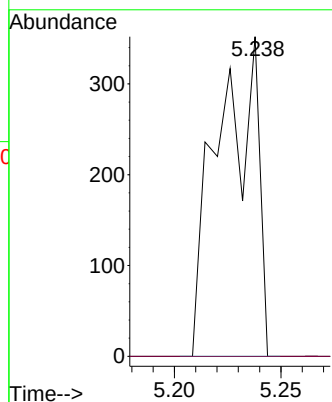
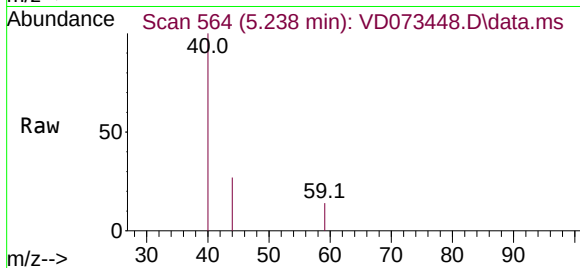
20220420-COMPOSITE-I

Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#13

Acrolein

Concen: Below Cal

RT: 3.914 min Scan# 339

Delta R.T. -0.006 min

Lab File: VD073448.D

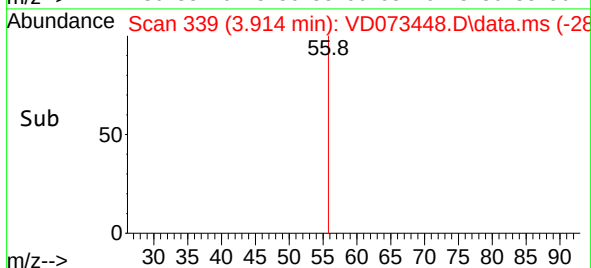
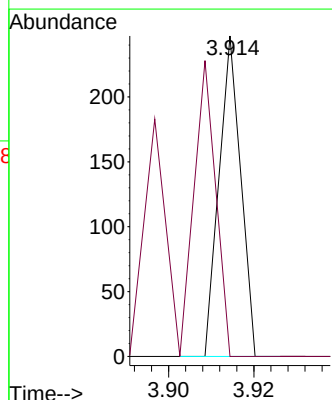
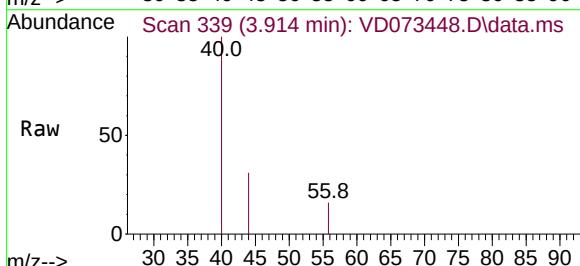
Acq: 01 Jun 2022 15:19

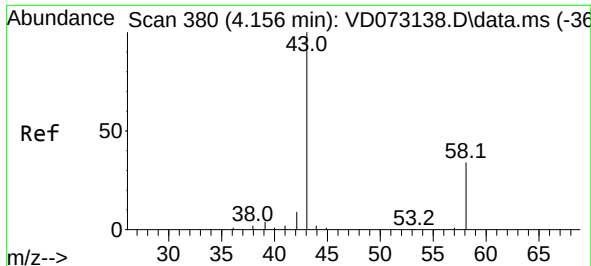
Tgt Ion: 56 Resp: 87

Ion Ratio Lower Upper

56 100

55 74.7 57.1 85.7

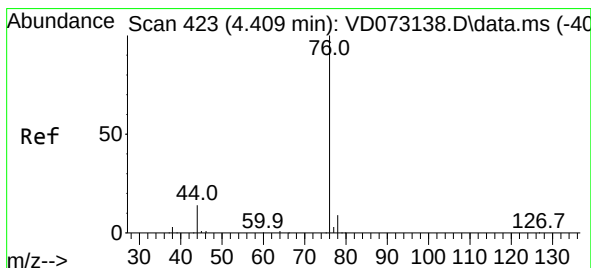
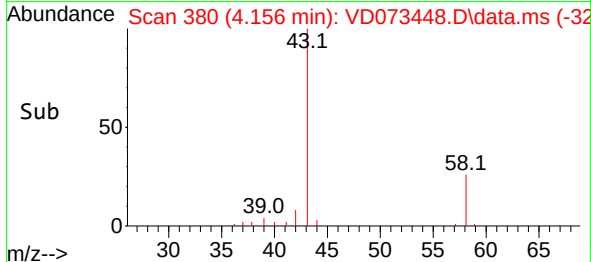
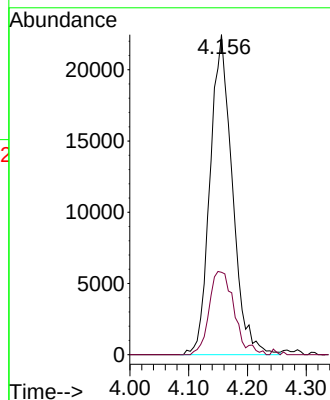
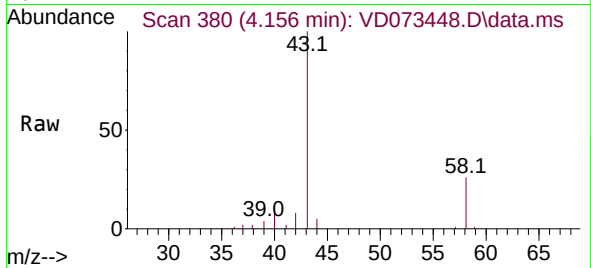




#16
Acetone
Concen: 142.167 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

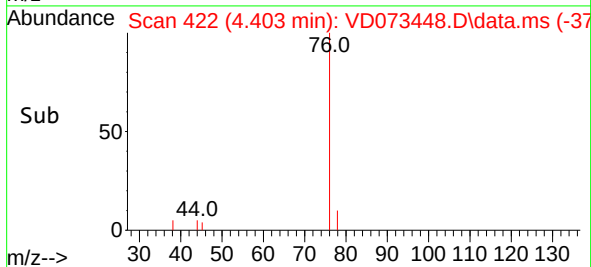
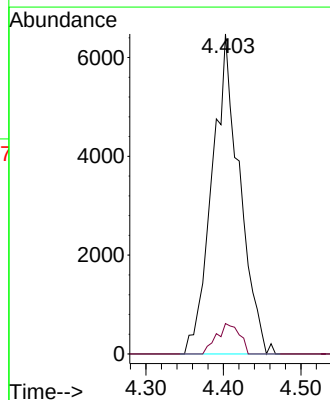
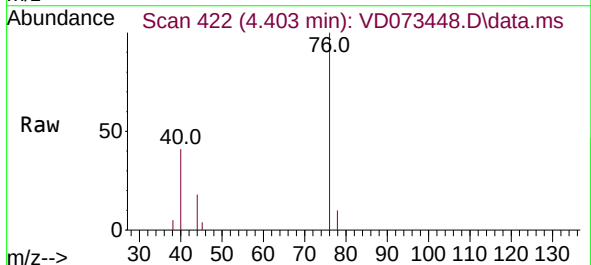
Instrument :
MSVOA_D
ClientSampleId :
20220420-COMPOSITE-I

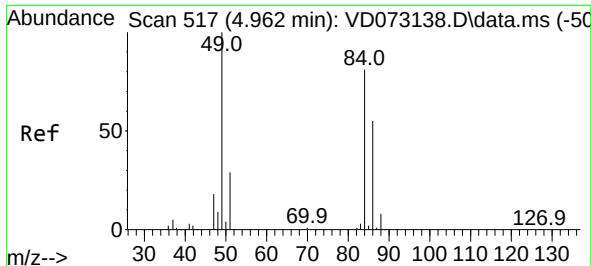
Tgt Ion: 43 Resp: 59181
Ion Ratio Lower Upper
43 100
58 25.8 22.1 33.1



#17
Carbon Disulfide
Concen: 2.210 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

Tgt Ion: 76 Resp: 16011
Ion Ratio Lower Upper
76 100
78 9.5 7.5 11.3

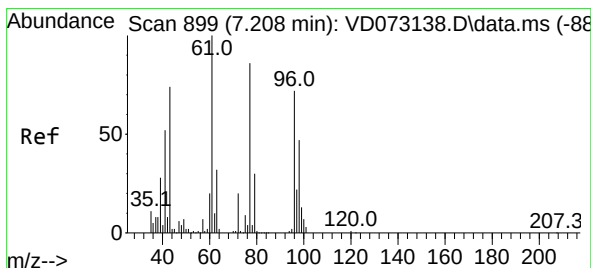
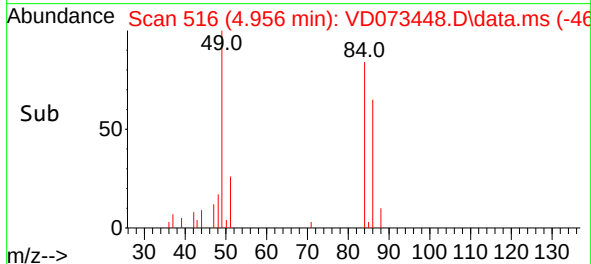
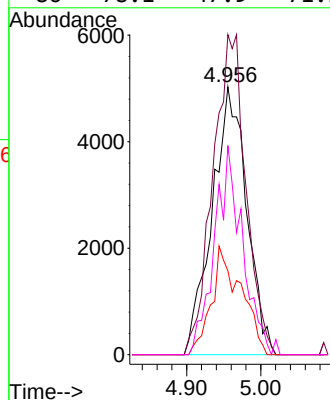
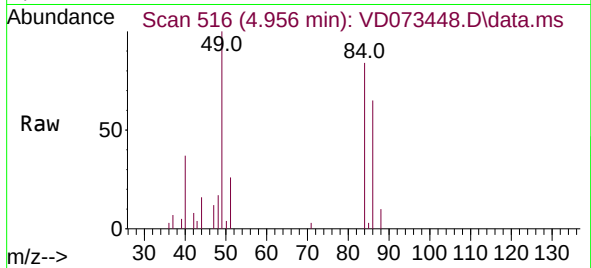




#20
Methylene Chloride
Concen: 2.361 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

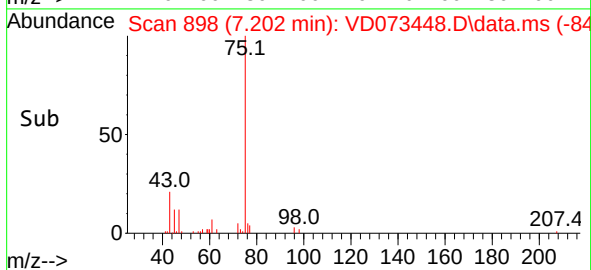
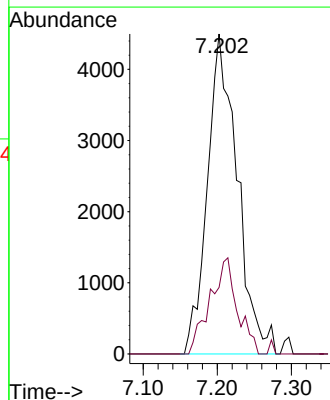
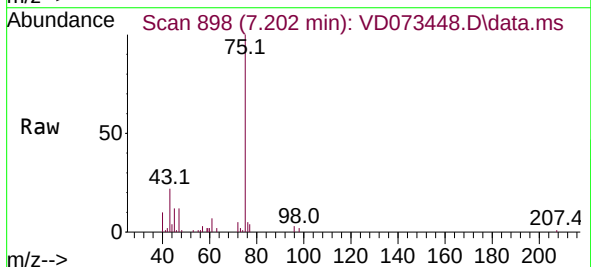
Instrument :
MSVOA_D
ClientSampleId :
20220420-COMPOSITE-I

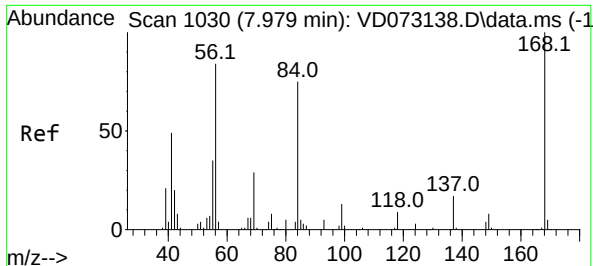
Tgt Ion:	84	Resp:	16278
Ion	Ratio	Lower	Upper
84	100		
49	119.5	112.8	169.2
51	31.3	32.6	48.8#
86	78.1	47.9	71.9#



#25
2-Butanone
Concen: 20.638 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

Tgt Ion:	43	Resp:	12569
Ion	Ratio	Lower	Upper
43	100		
72	20.8	18.6	27.8





#31

Cyclohexane

Concen: 1.807 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD073448.D

Acq: 01 Jun 2022 15:19

Instrument :

MSVOA_D

ClientSampleId :

20220420-COMPOSITE-I

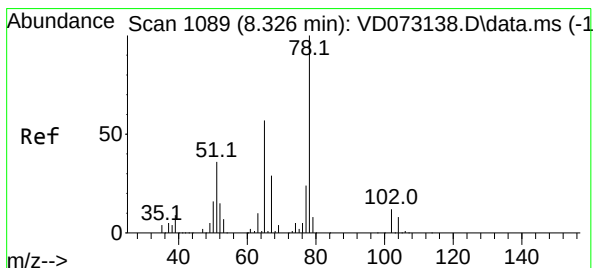
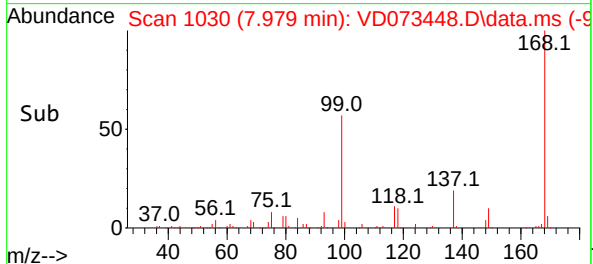
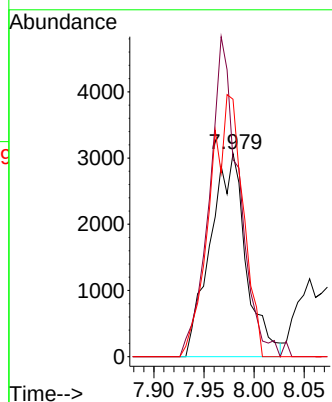
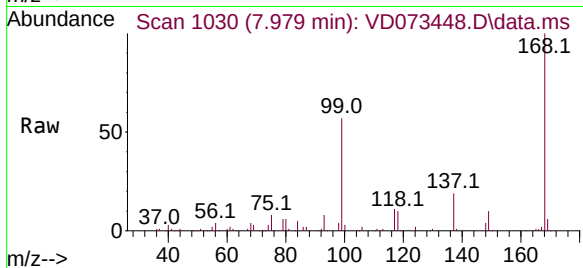
Tgt Ion: 56 Resp: 7587

Ion Ratio Lower Upper

56 100

69 97.1 25.4 38.2#

84 126.8 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 52.946 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073448.D

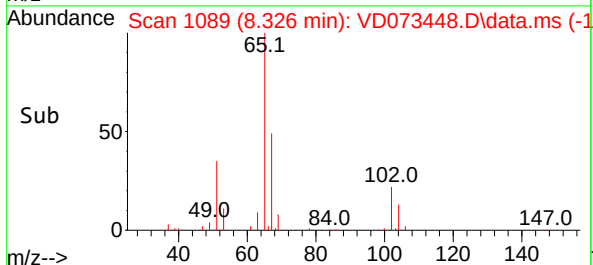
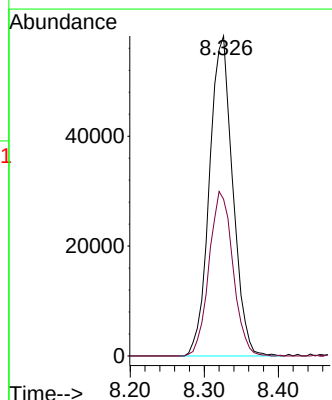
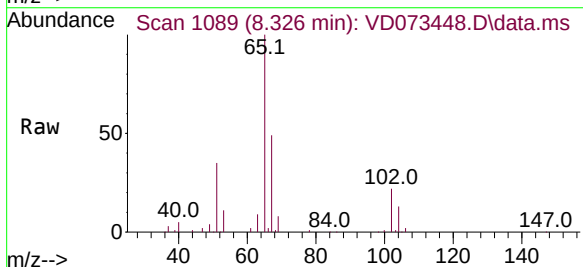
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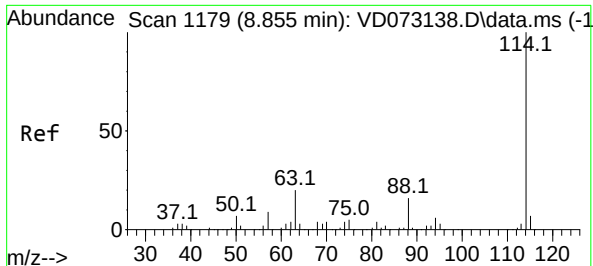
Tgt Ion: 65 Resp: 127246

Ion Ratio Lower Upper

65 100

67 52.7 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073448.D

Acq: 01 Jun 2022 15:19

Instrument :

MSVOA_D

ClientSampleId :

20220420-COMPOSITE-I

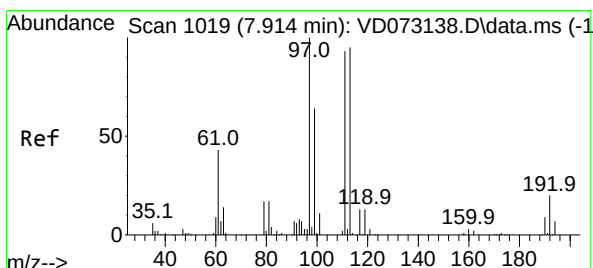
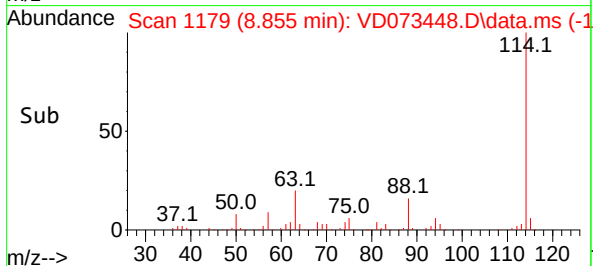
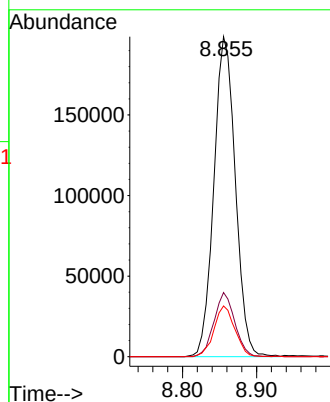
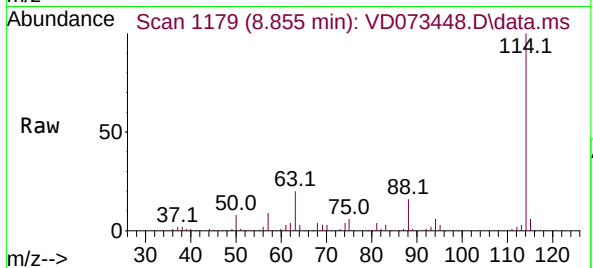
Tgt Ion:114 Resp: 399782

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 54.064 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.012 min

Lab File: VD073448.D

Acq: 01 Jun 2022 15:19

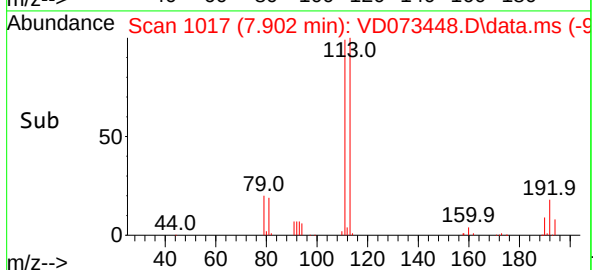
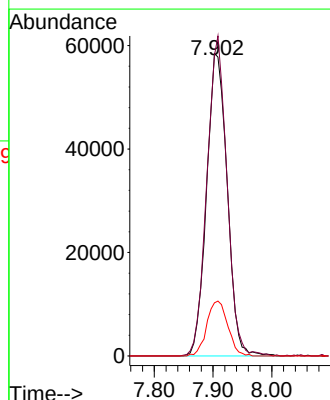
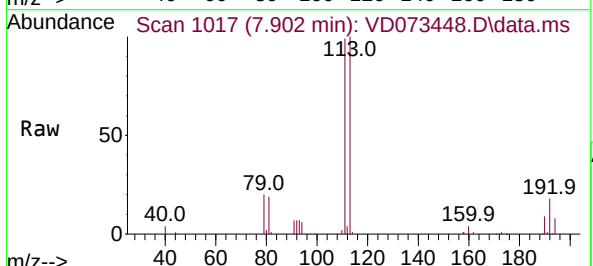
Tgt Ion:113 Resp: 142623

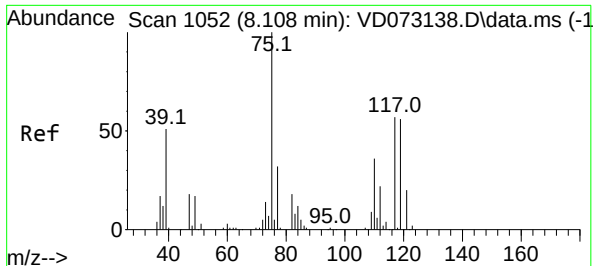
Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.737 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD073448.D

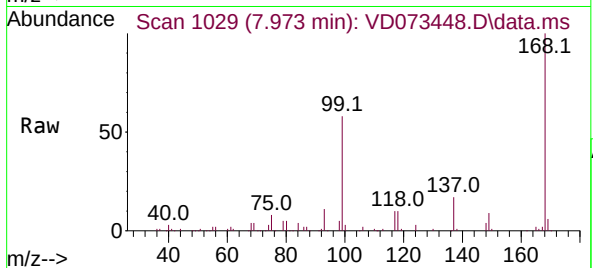
Acq: 01 Jun 2022 15:19

Instrument :

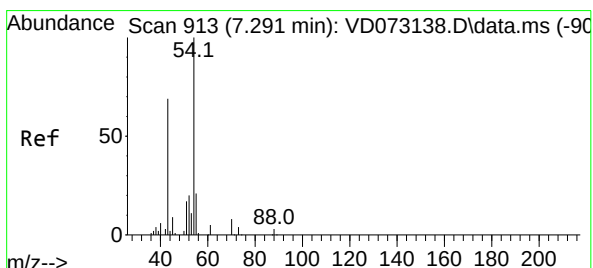
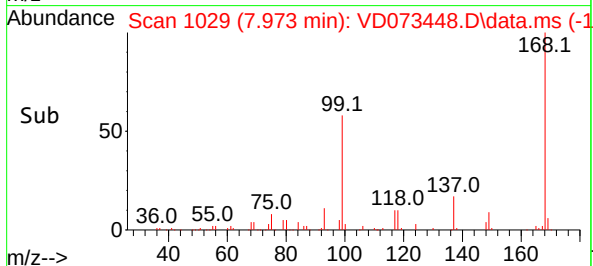
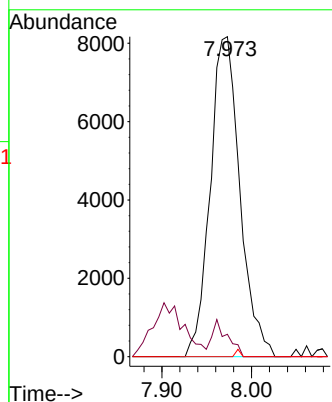
MSVOA_D

ClientSampleId :

20220420-COMPOSITE-I



Tgt Ion:	75	Resp:	18794
Ion Ratio	Lower	Upper	
75	100		
110	0.0	16.4	49.1#
77	0.4	24.2	36.2#



#37

Ethyl Acetate

Concen: 8.020 ug/l

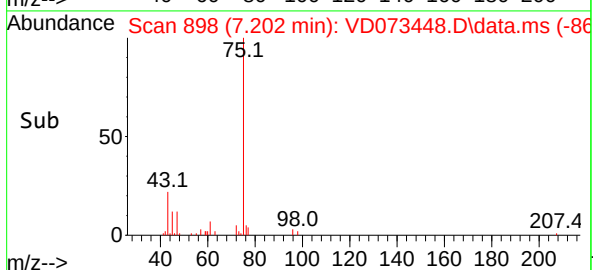
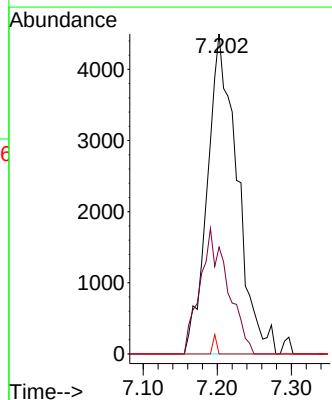
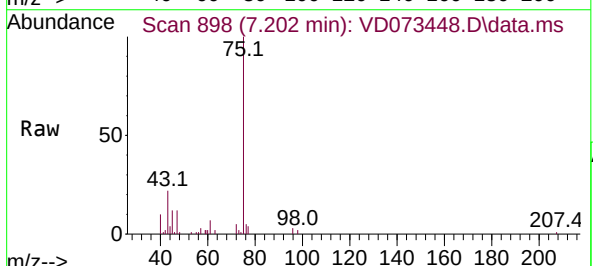
RT: 7.202 min Scan# 898

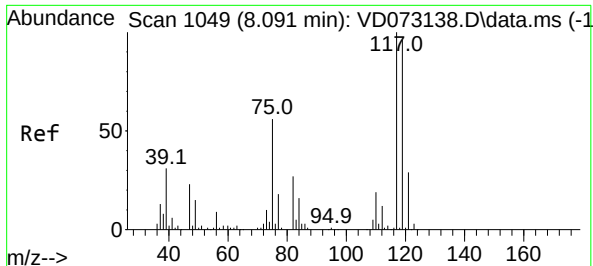
Delta R.T. -0.089 min

Lab File: VD073448.D

Acq: 01 Jun 2022 15:19

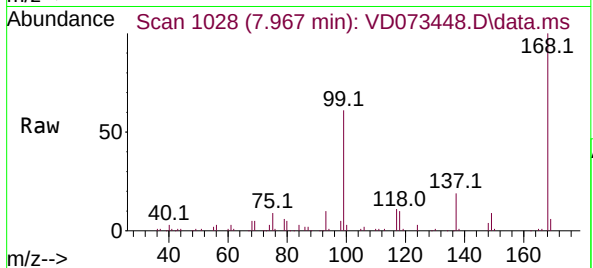
Tgt Ion:	43	Resp:	12569
Ion Ratio	Lower	Upper	
43	100		
61	36.7	9.8	14.8#
70	0.8	6.9	10.3#



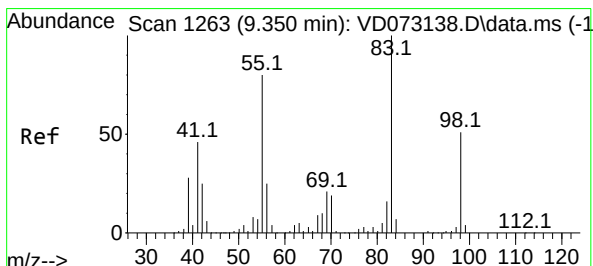
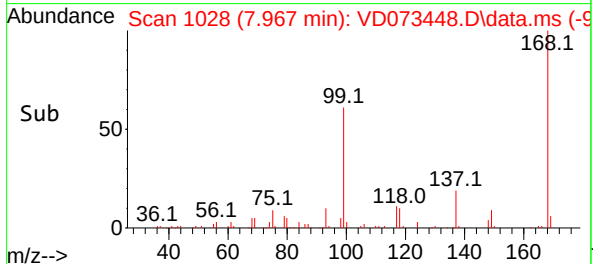
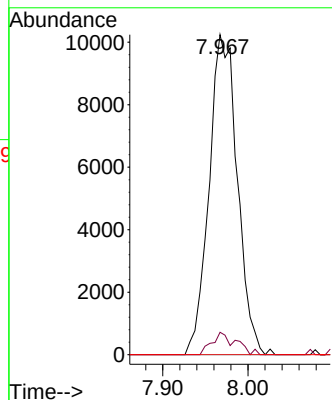


#38
Carbon Tetrachloride
Concen: 5.865 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.124 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

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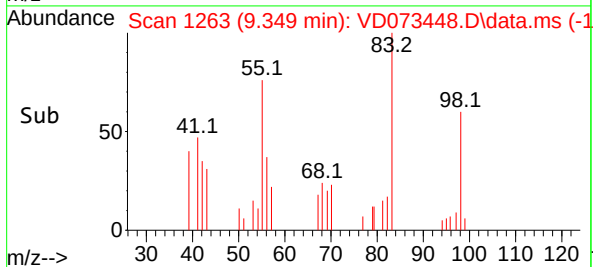
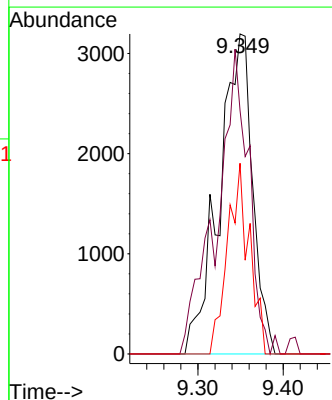
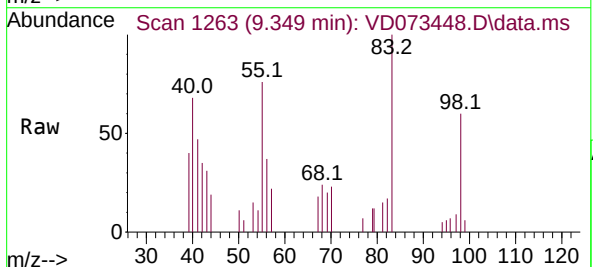


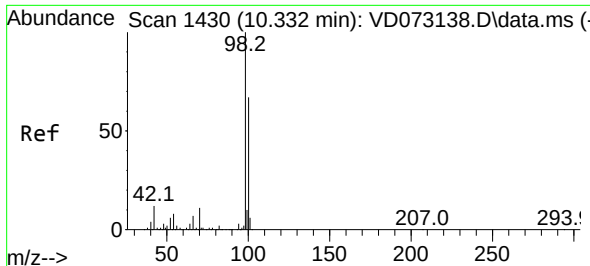
Tgt Ion:117 Resp: 23586
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.963 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.001 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

Tgt Ion: 83 Resp: 8680
Ion Ratio Lower Upper
83 100
55 76.1 63.2 94.8
98 59.6 38.2 57.4#

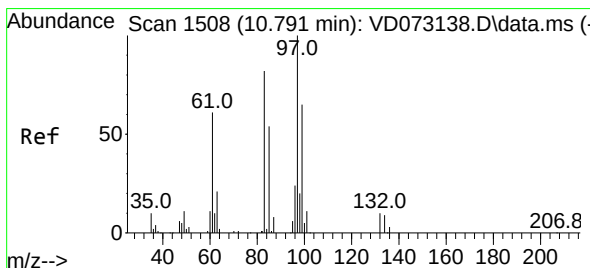
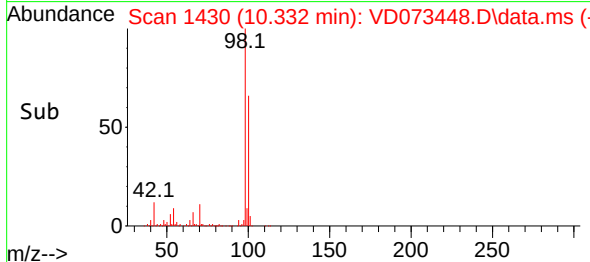
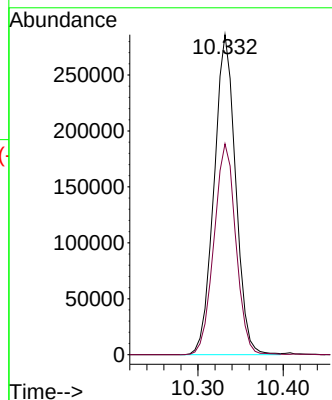
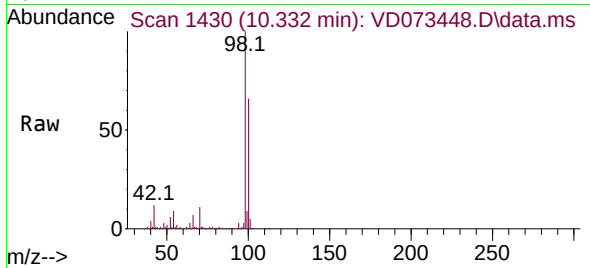




#50
Toluene-d8
Concen: 51.653 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

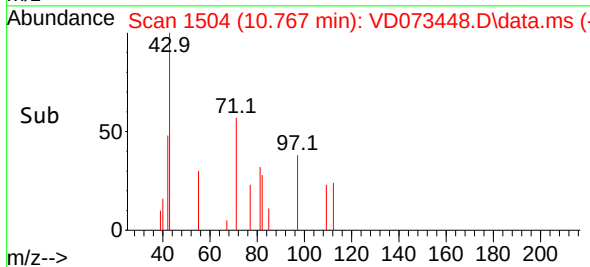
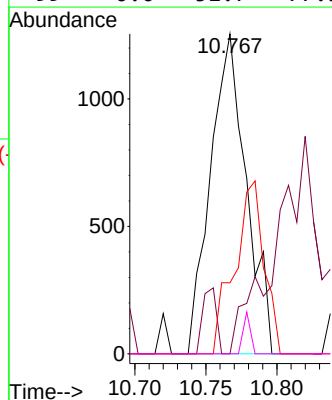
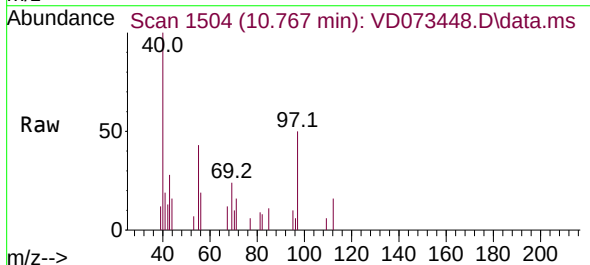
Instrument :
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ClientSampleId :
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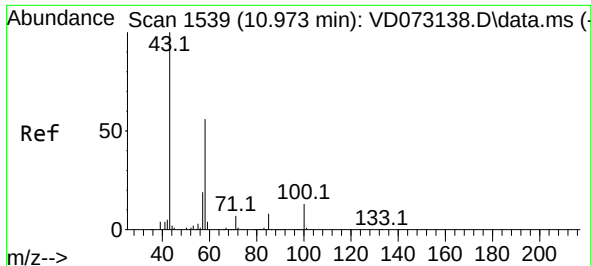
Tgt Ion: 98 Resp: 502291
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 1.030 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.024 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

Tgt Ion: 97 Resp: 2202
Ion Ratio Lower Upper
97 100
83 0.0 69.0 103.4#
85 22.2 42.6 63.8#
99 0.0 51.7 77.5#

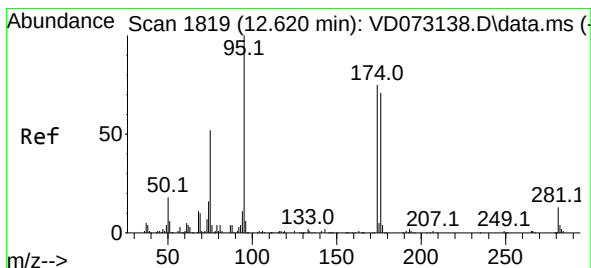
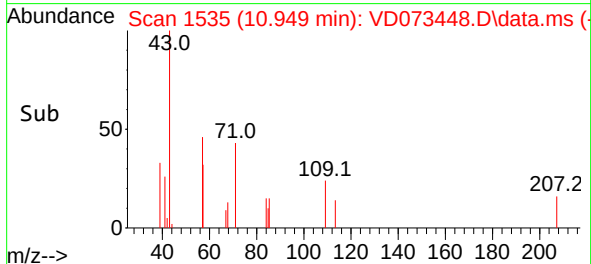
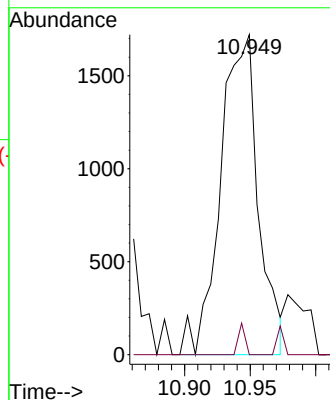
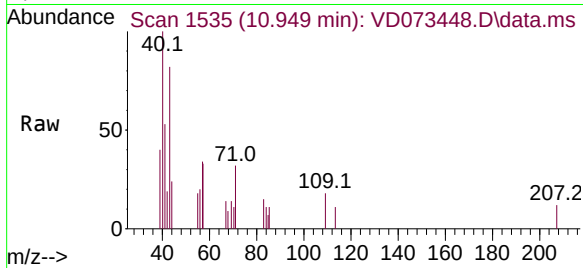




#59
2-Hexanone
Concen: 3.468 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.024 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

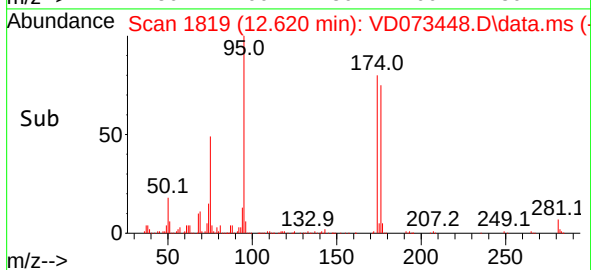
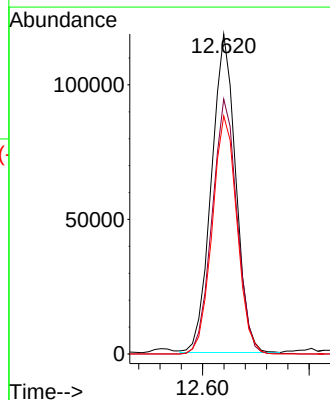
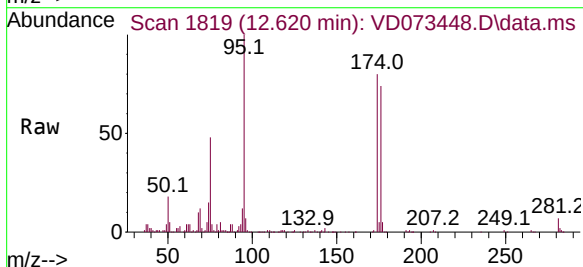
Instrument :
MSVOA_D
ClientSampleId :
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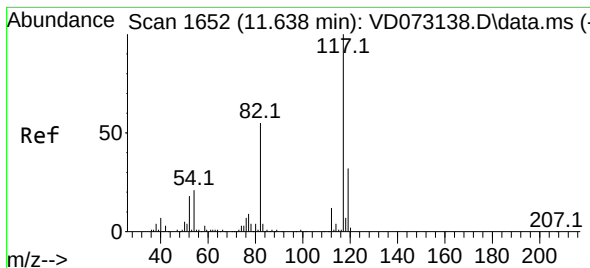
Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
58 1.7 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 54.999 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

Tgt Ion: 95 Resp: 187696
Ion Ratio Lower Upper
95 100
174 81.5 0.0 152.8
176 75.8 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD073448.D

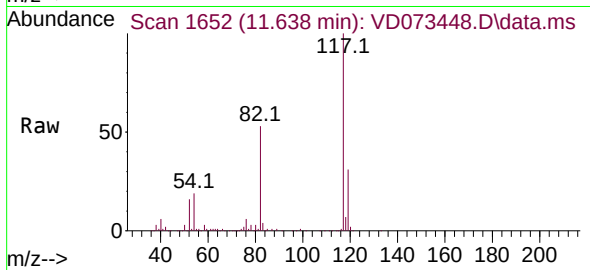
Acq: 01 Jun 2022 15:19

Instrument :

MSVOA_D

ClientSampleId :

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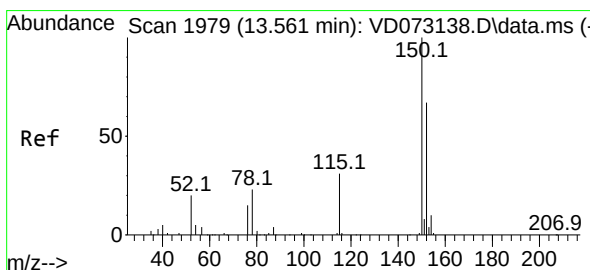
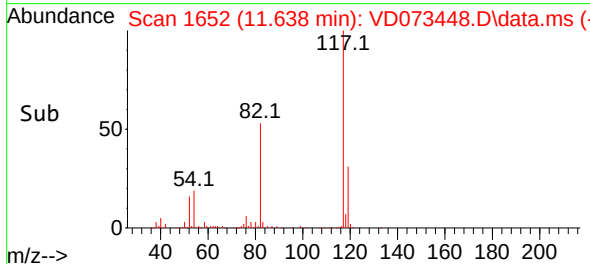
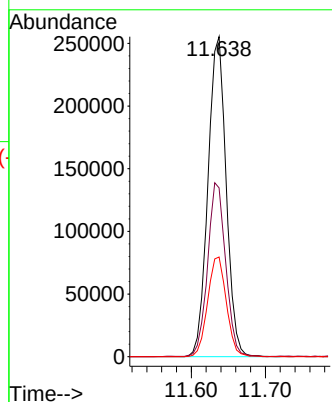
Tgt Ion:117 Resp: 435366

Ion Ratio Lower Upper

117 100

82 52.6 45.3 67.9

119 31.2 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VD073448.D

Acq: 01 Jun 2022 15:19

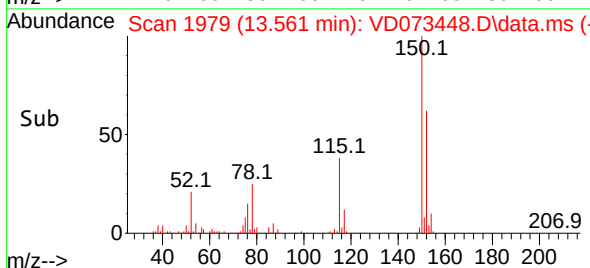
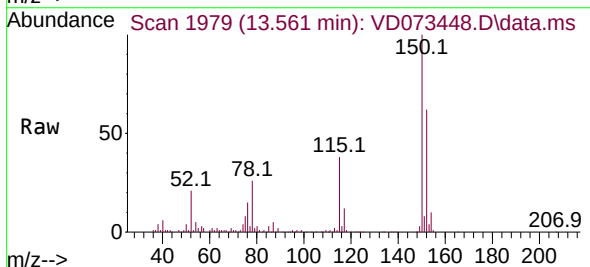
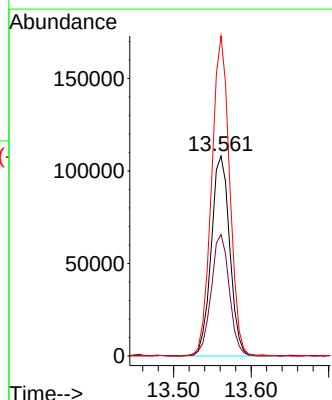
Tgt Ion:152 Resp: 179452

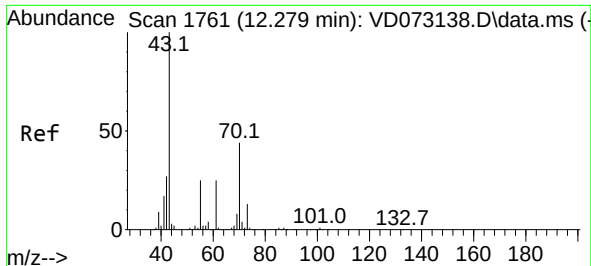
Ion Ratio Lower Upper

152 100

115 59.7 31.3 93.8

150 155.9 0.0 348.6

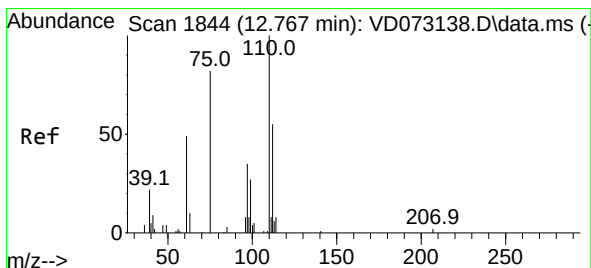
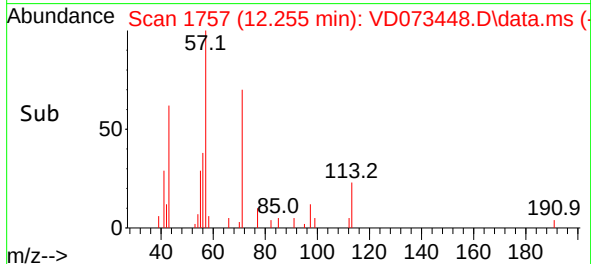
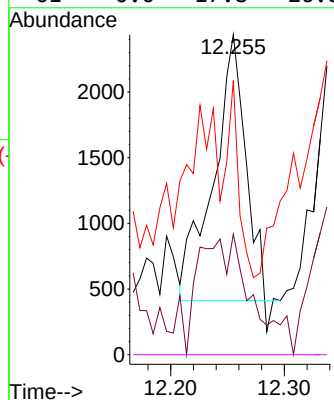
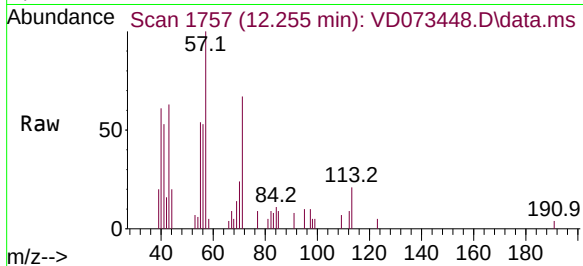




#74
N-amy1 acetate
Concen: 1.428 ug/l
RT: 12.255 min Scan# 1819
Delta R.T. -0.024 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

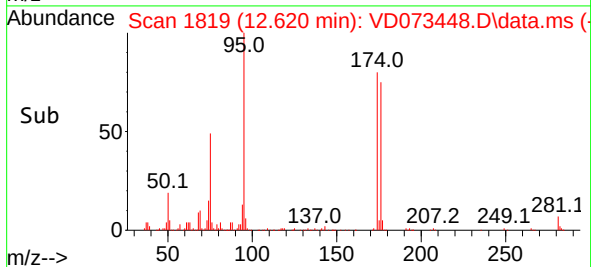
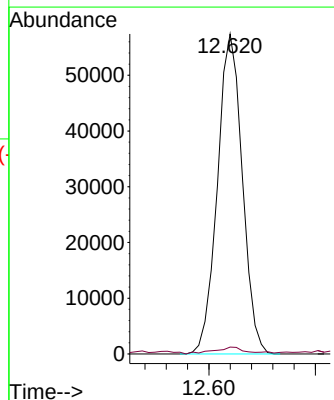
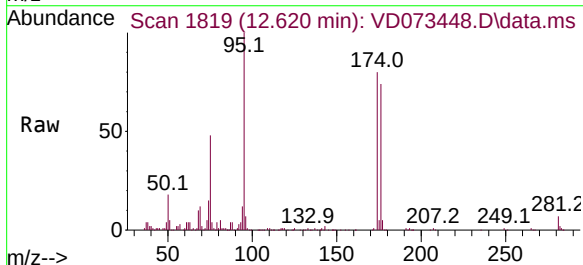
Instrument :
MSVOA_D
ClientSampleId :
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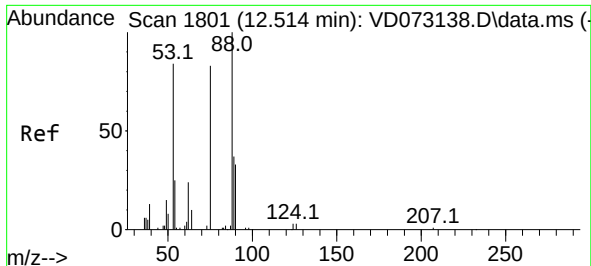
Tgt Ion: 43	Resp: 3984
Ion Ratio	Lower Upper
43 100	
70 49.0	31.3 46.9#
55 0.0	20.0 30.0#
61 0.0	17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 52.853 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

Tgt Ion: 75	Resp:	93060	
Ion Ratio	Lower	Upper	
75 100			
77 2.9	0.0	0.0#	

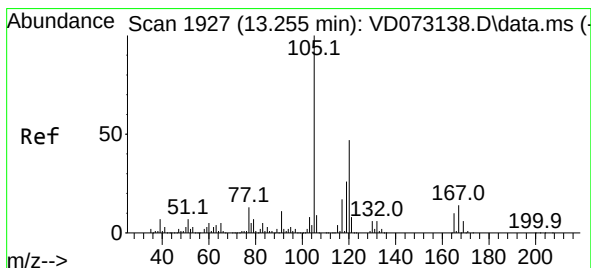
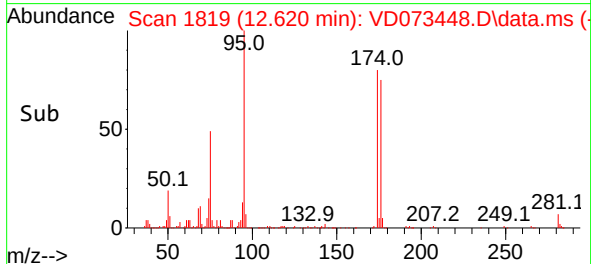
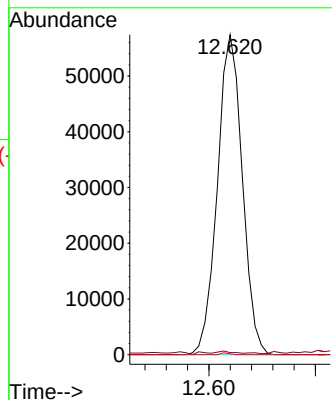
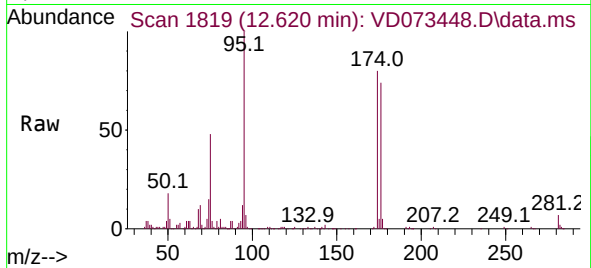




#81
trans-1,4-Dichloro-2-butene
Concen: 126.884 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

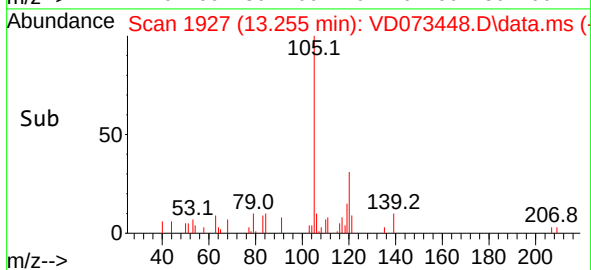
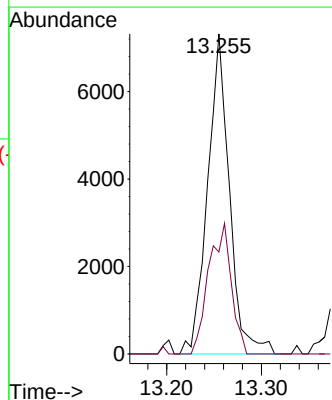
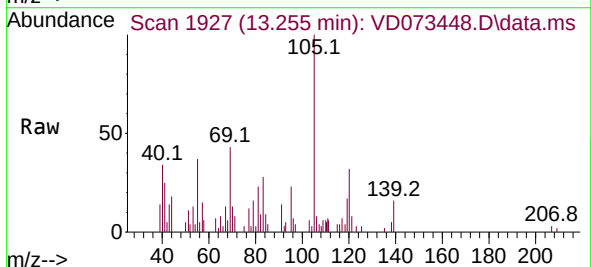
Instrument :
MSVOA_D
ClientSampleId :
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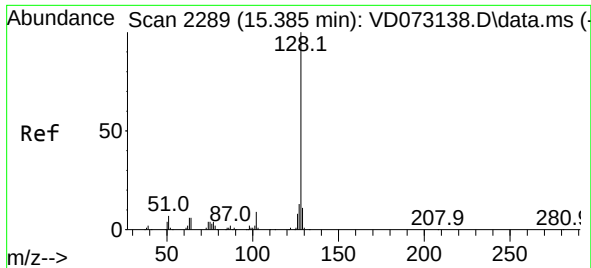
Tgt Ion: 75 Resp: 93060
Ion Ratio Lower Upper
75 100
53 1.5 86.5 129.7#
89 0.2 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.096 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

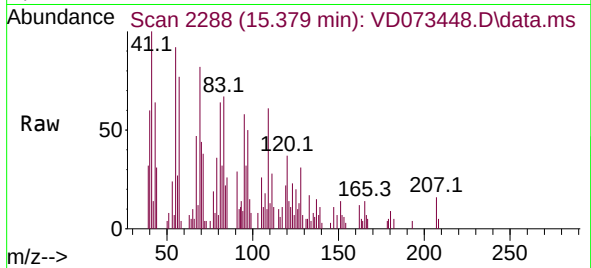
Tgt Ion: 105 Resp: 11738
Ion Ratio Lower Upper
105 100
120 42.3 22.3 66.8





#95
Naphthalene
Concen: 4.150 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073448.D
Acq: 01 Jun 2022 15:19

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion:128 Resp: 3846
Ion Ratio Lower Upper
128 100
127 17.3 10.3 15.5#
129 0.0 8.4 12.6#

