

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062522\
 Data File : VD073713.D
 Acq On : 25 Jun 2022 16:59
 Operator : VA/SY
 Sample : N3455-01
 Misc : 6.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-EXC-2-1-GR

Quant Time: Jun 27 09:39:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 24 07:36:47 2022
 Response via : Initial Calibration

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

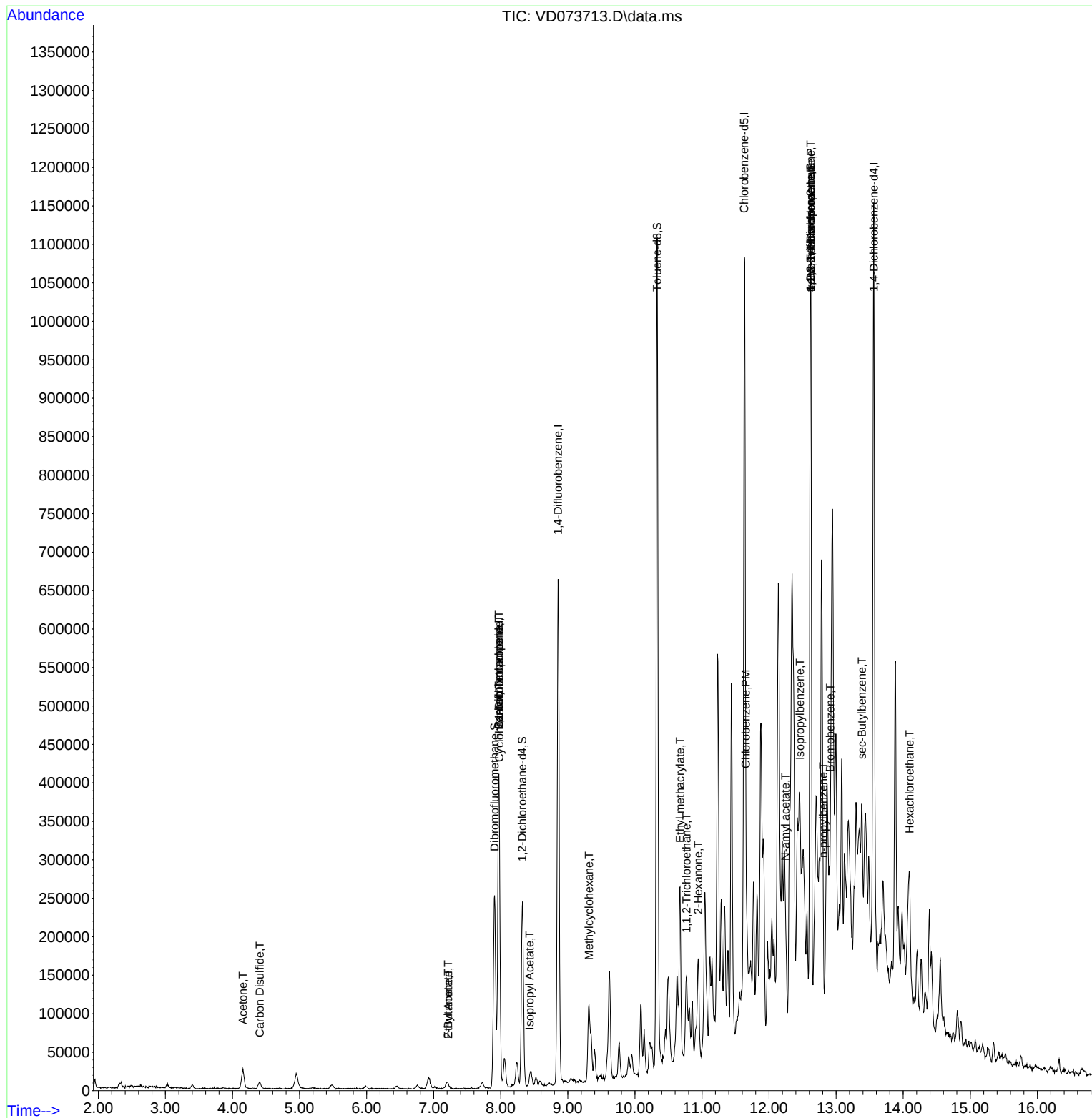
Internal Standards						
1) Pentafluorobenzene	7.973	168	307142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	580477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	576276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	269047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	192694	51.080	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.160%	
35) Dibromofluoromethane	7.908	113	186428	41.228	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 82.460%	
50) Toluene-d8	10.332	98	729721	44.944	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.880%	
62) 4-Bromofluorobenzene	12.620	95	282156	46.334	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.660%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	72	Below Cal	#	44
3) Chloromethane	2.209	50	379	Below Cal	#	40
5) Bromomethane	2.761	94	351	Below Cal	#	39
11) Tert butyl alcohol	5.197	59	881	Below Cal	#	100
16) Acetone	4.156	43	43504	66.146	ug/l	96
17) Carbon Disulfide	4.408	76	17849	2.241	ug/l	97
18) Methyl Acetate	4.720	43	174	Below Cal	#	50
20) Methylene Chloride	4.961	84	12665	Below Cal		86
25) 2-Butanone	7.214	43	8152	8.575	ug/l #	63
31) Cyclohexane	7.979	56	8174	1.444	ug/l #	57
36) 1,1-Dichloropropene	7.973	75	23743	3.740	ug/l #	50
37) Ethyl Acetate	7.214	43	8152	3.272	ug/l #	68
38) Carbon Tetrachloride	7.973	117	31178	4.218	ug/l #	17
39) Methylcyclohexane	9.314	83	27425	3.891	ug/l #	42
43) Isopropyl Acetate	8.432	43	9438	1.931	ug/l #	50
55) 1,1,2-Trichloroethane	10.767	97	41440	10.992	ug/l #	22
56) Ethyl methacrylate	10.673	69	22269	5.241	ug/l #	16
59) 2-Hexanone	10.943	43	50284	29.648	ug/l #	30
65) Chlorobenzene	11.655	112	20225	1.434	ug/l	99
73) Isopropylbenzene	12.461	105	30582	1.392	ug/l	100
74) N-amyl acetate	12.243	43	34417	7.656	ug/l #	3
75) 1,1,2,2-Tetrachloroethane	12.626	83	5914	1.427	ug/l	81
76) 1,2,3-Trichloropropane	12.620	75	132982	50.791	ug/l #	1
77) Bromobenzene	12.914	156	39250	7.429	ug/l #	1
78) n-propylbenzene	12.808	91	30696	1.143	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.620	75	132982	103.693	ug/l #	13
85) sec-Butylbenzene	13.384	105	42779	1.757	ug/l #	61
90) Hexachloroethane	14.096	117	5114	1.224	ug/l #	18

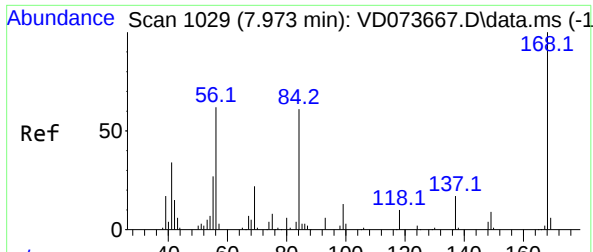
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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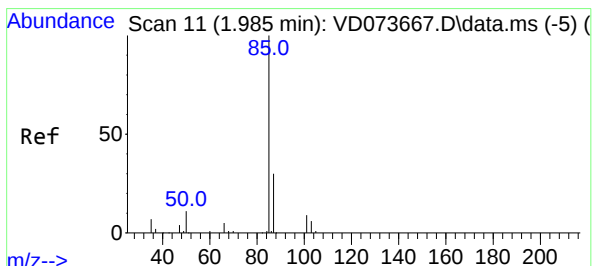
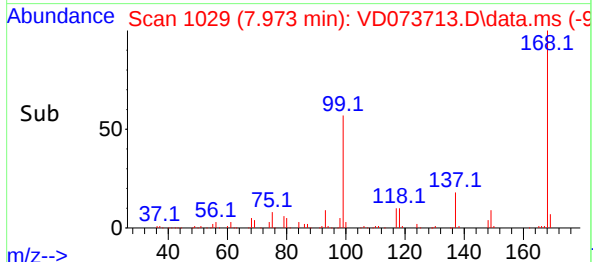
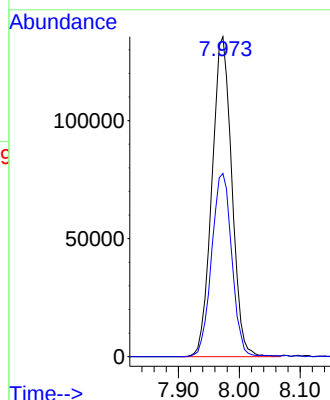
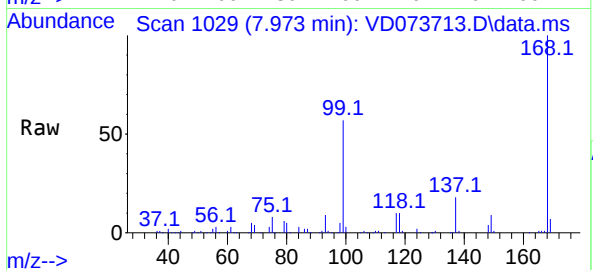




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

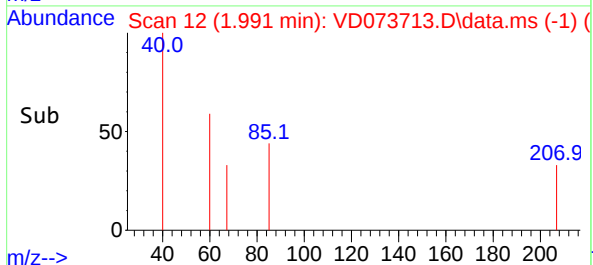
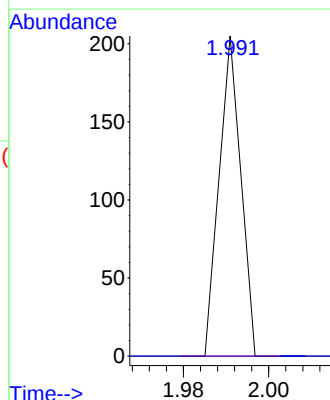
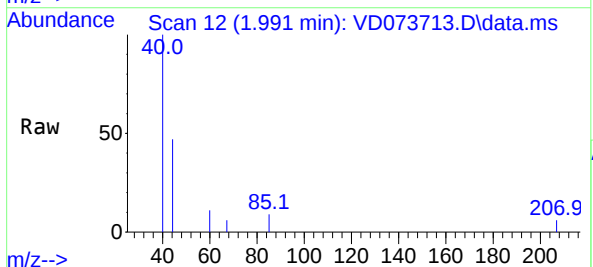
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

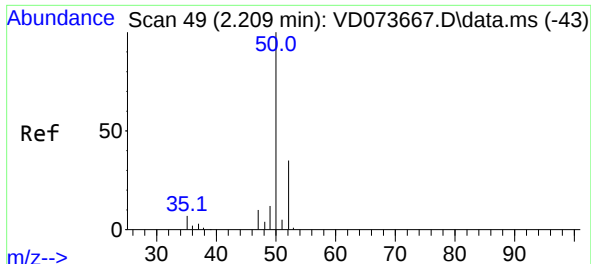
Tgt Ion:168 Resp: 307142
Ion Ratio Lower Upper
168 100
99 57.2 46.4 69.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion: 85 Resp: 72
Ion Ratio Lower Upper
85 100
87 0.0 15.2 45.5#

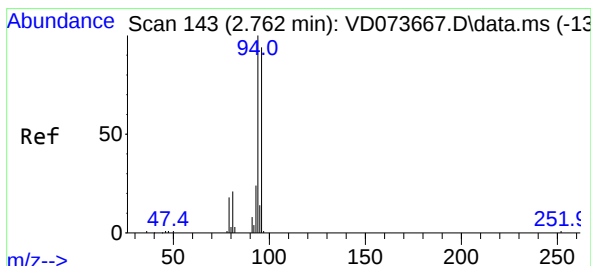
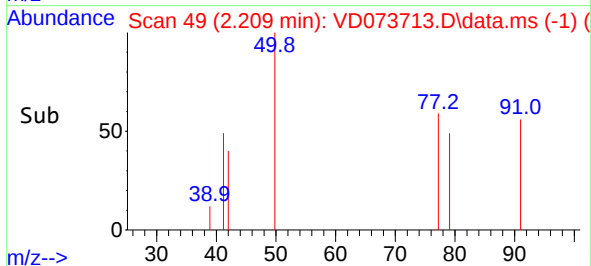
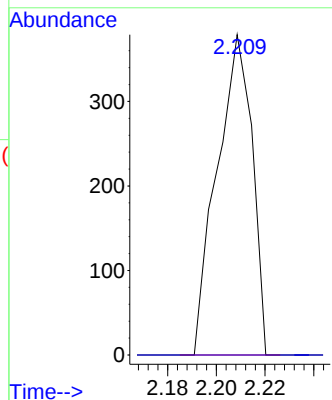
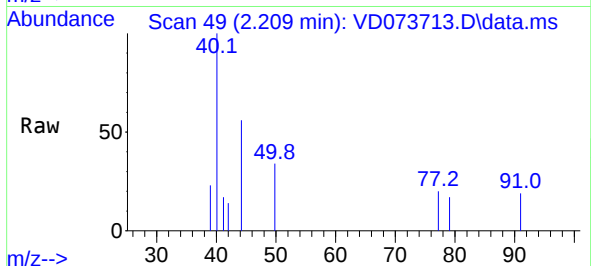




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

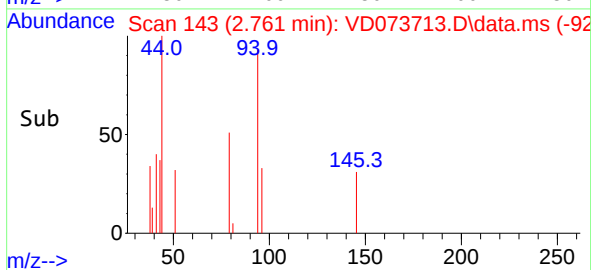
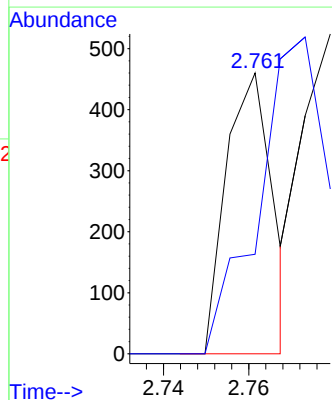
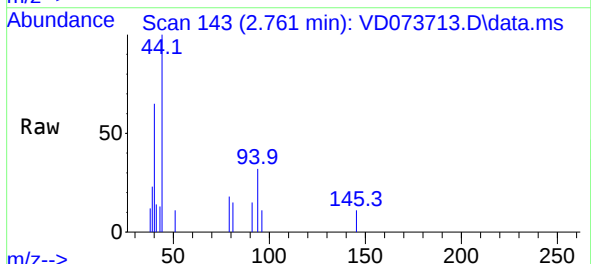
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

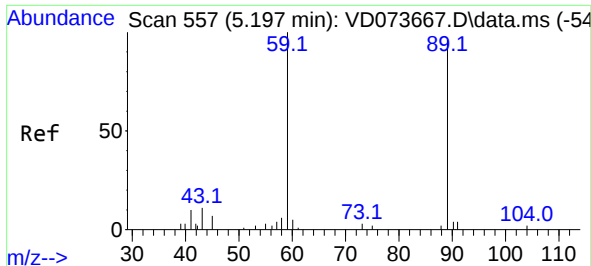
Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#



#5
Bromomethane
Concen: Below Cal
RT: 2.761 min Scan# 143
Delta R.T. -0.001 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 35.4 75.1 112.7#

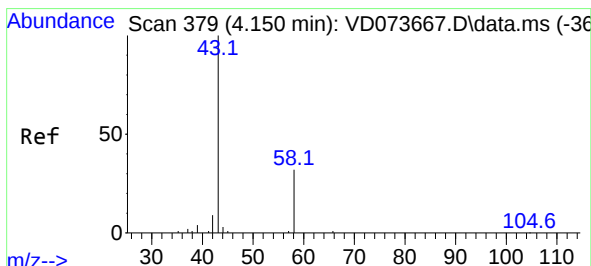
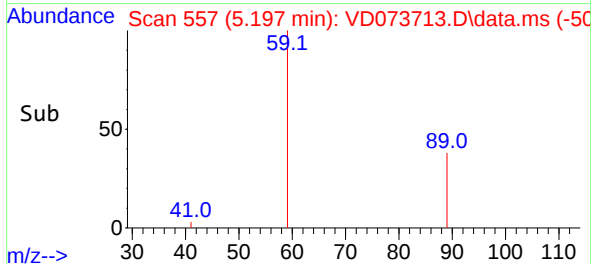
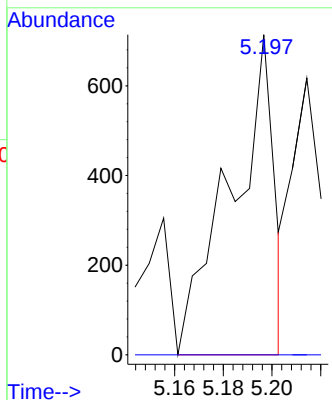
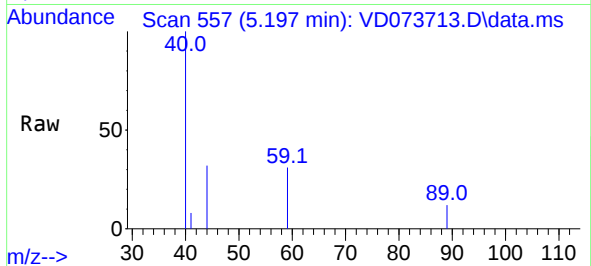




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.197 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

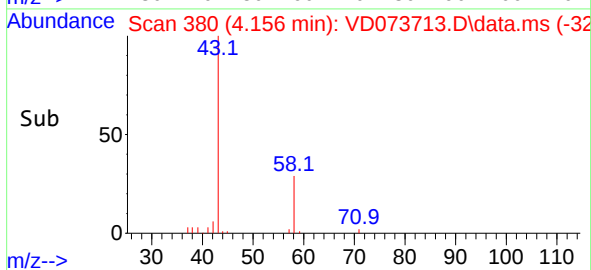
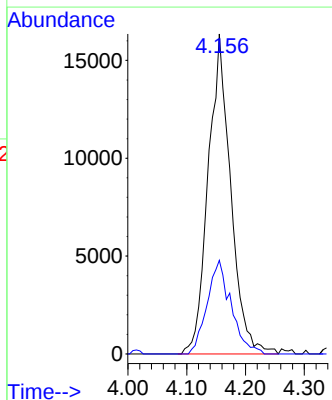
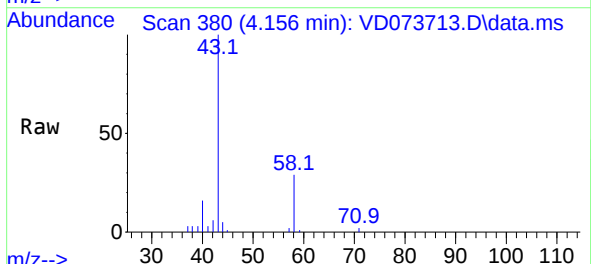
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

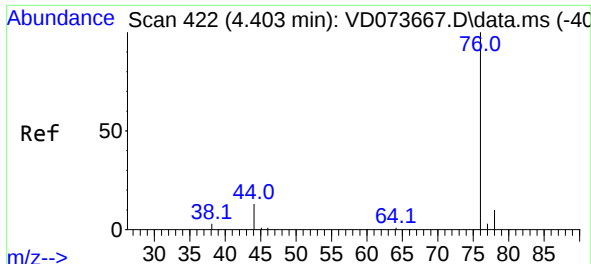
Tgt Ion: 59 Resp: 881
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#16
Acetone
Concen: 66.146 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion: 43 Resp: 43504
Ion Ratio Lower Upper
43 100
58 29.2 25.2 37.8

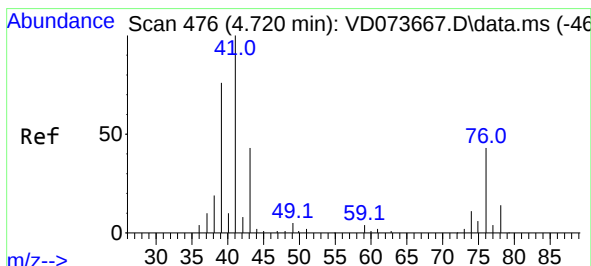
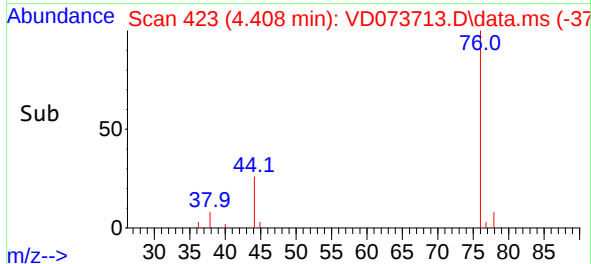
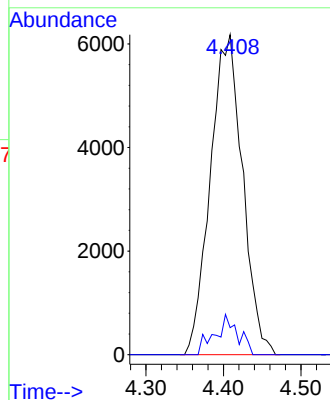
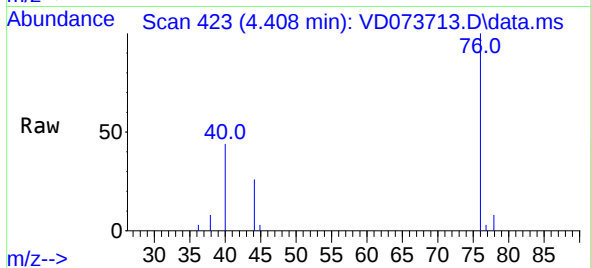




#17
Carbon Disulfide
Concen: 2.241 ug/l
RT: 4.408 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

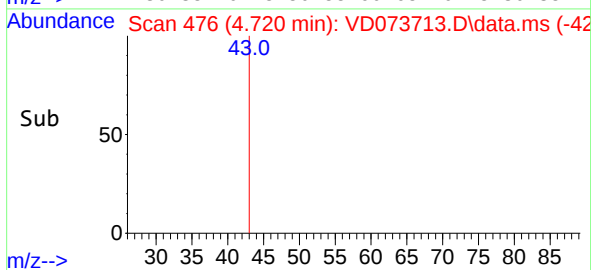
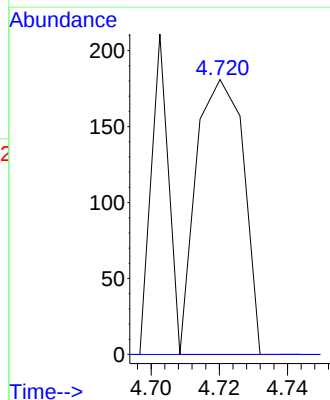
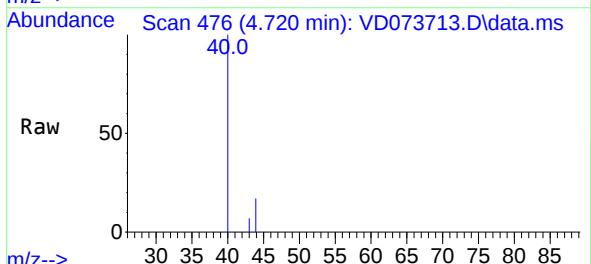
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

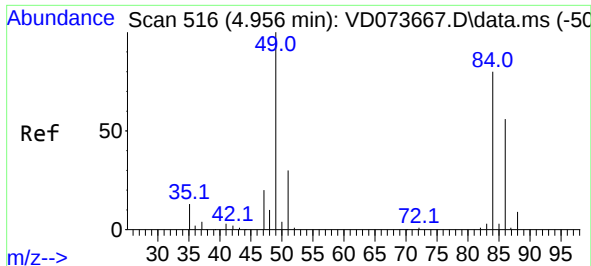
Tgt Ion: 76 Resp: 17849
Ion Ratio Lower Upper
76 100
78 8.5 7.7 11.5



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



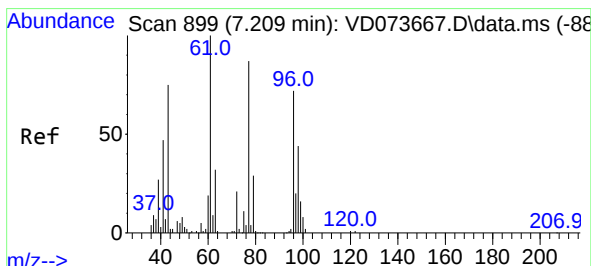
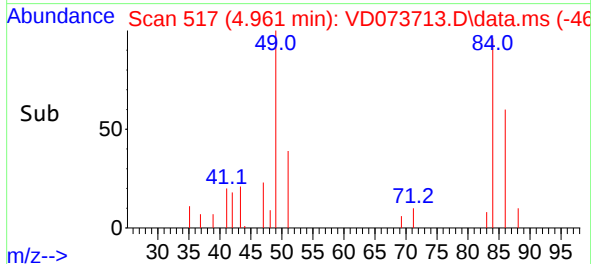
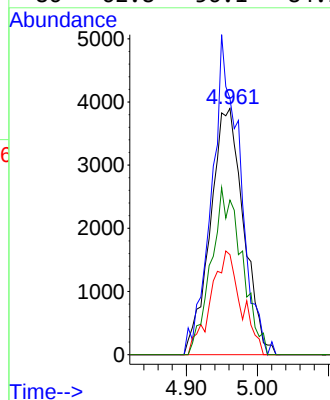
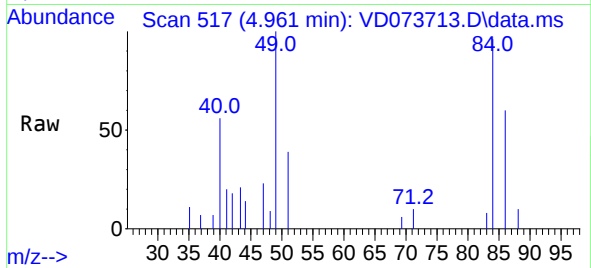


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 516
Delta R.T. 0.005 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

Tgt Ion: 84 Resp: 12665

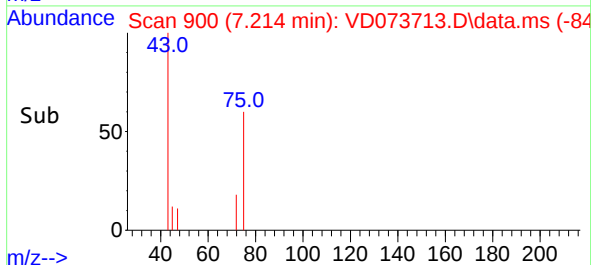
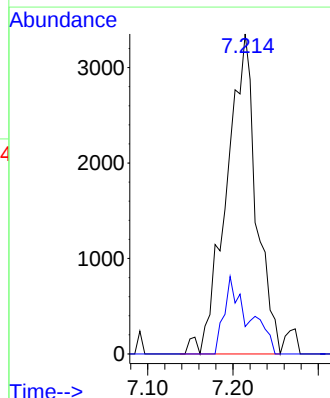
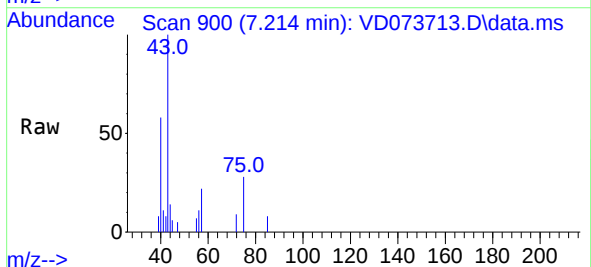
Ion	Ratio	Lower	Upper
84	100		
49	104.0	100.6	150.8
51	40.6	29.8	44.6
86	62.8	56.1	84.1

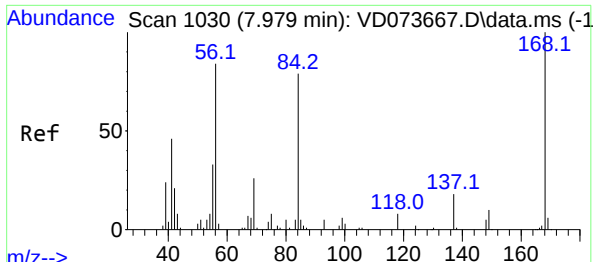


#25
2-Butanone
Concen: 8.575 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion: 43 Resp: 8152

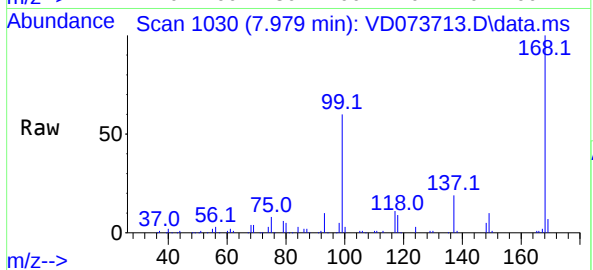
Ion	Ratio	Lower	Upper
43	100		
72	8.6	22.6	33.8#



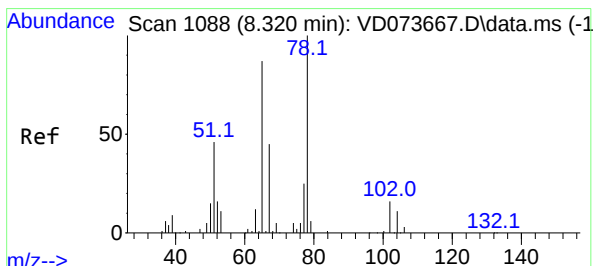
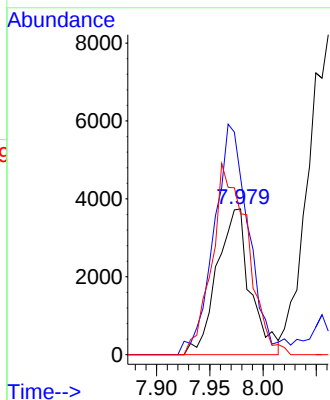
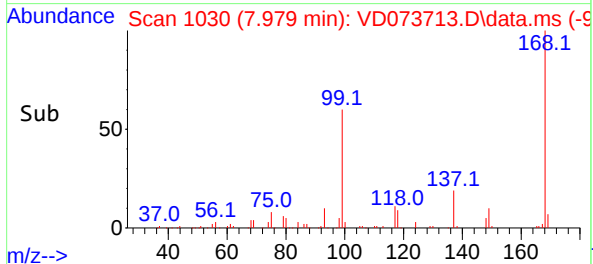


#31
Cyclohexane
Concen: 1.444 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

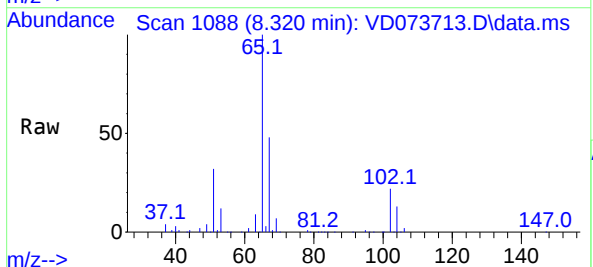
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MSVOA_D
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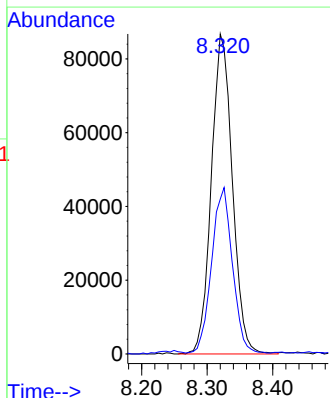
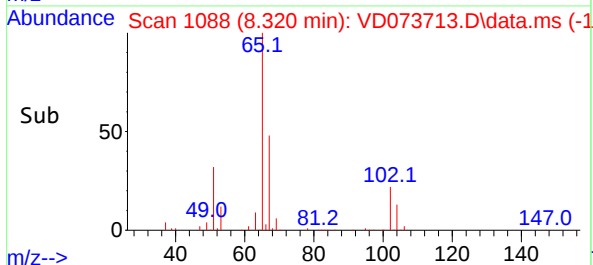
Tgt Ion: 56 Resp: 8174
Ion Ratio Lower Upper
56 100
69 121.4 25.2 37.8#
84 96.7 75.4 113.2

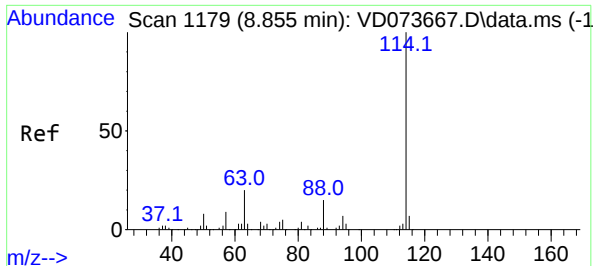


#33
1,2-Dichloroethane-d4
Concen: 51.080 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59



Tgt Ion: 65 Resp: 192694
Ion Ratio Lower Upper
65 100
67 50.9 0.0 107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VD073713.D

Acq: 25 Jun 2022 16:59

Instrument :

MSVOA_D

ClientSampleId :

SP-EXC-2-1-GR

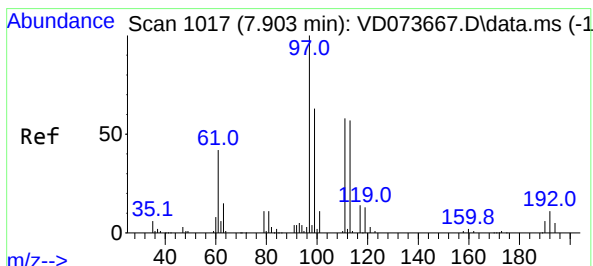
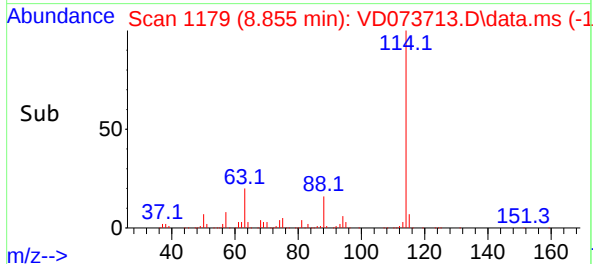
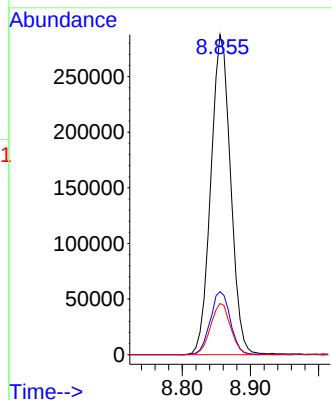
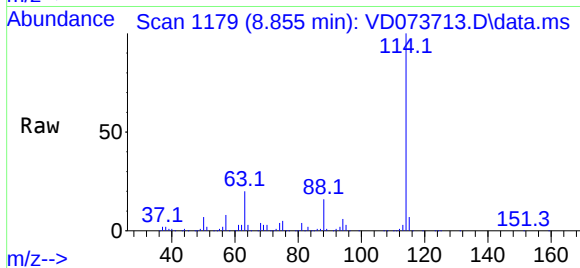
Tgt Ion:114 Resp: 580477

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

88 16.0 0.0 29.4



#35

Dibromofluoromethane

Concen: 41.228 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.006 min

Lab File: VD073713.D

Acq: 25 Jun 2022 16:59

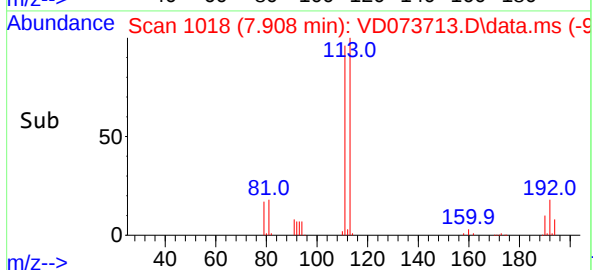
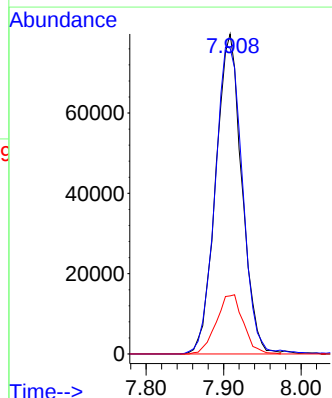
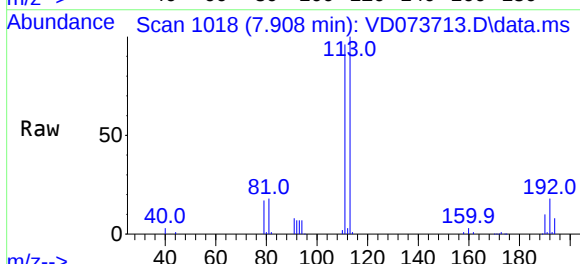
Tgt Ion:113 Resp: 186428

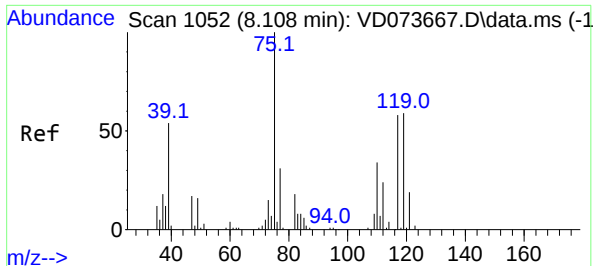
Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

192 19.1 14.8 22.2





#36

1,1-Dichloropropene

Concen: 3.740 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.136 min

Lab File: VD073713.D

Acq: 25 Jun 2022 16:59

Instrument :

MSVOA_D

ClientSampleId :

SP-EXC-2-1-GR

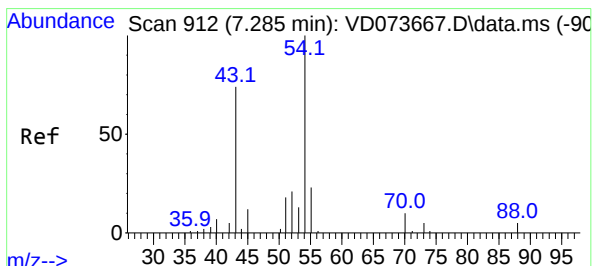
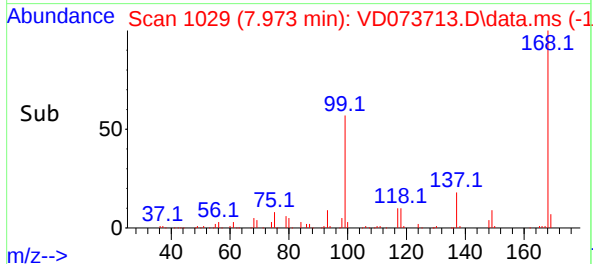
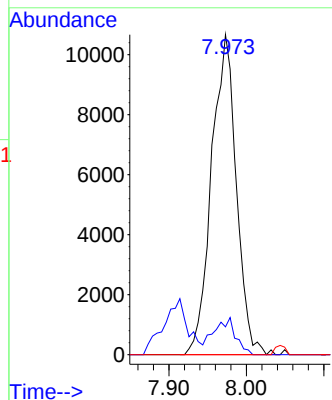
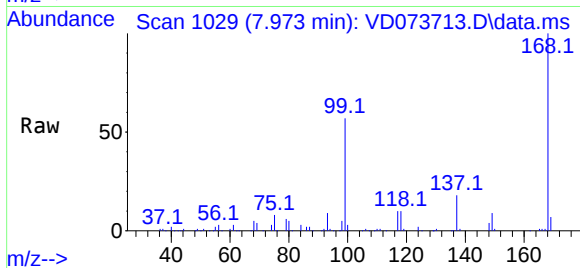
Tgt Ion: 75 Resp: 23743

Ion Ratio Lower Upper

75 100

110 10.1 18.0 54.0#

77 0.0 25.6 38.4#



#37

Ethyl Acetate

Concen: 3.272 ug/l

RT: 7.214 min Scan# 900

Delta R.T. -0.071 min

Lab File: VD073713.D

Acq: 25 Jun 2022 16:59

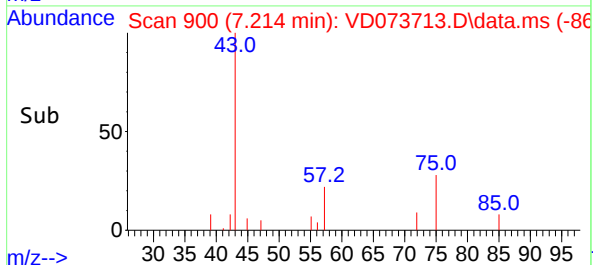
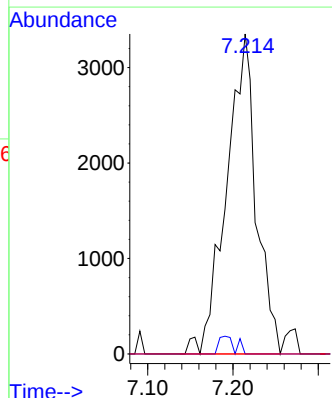
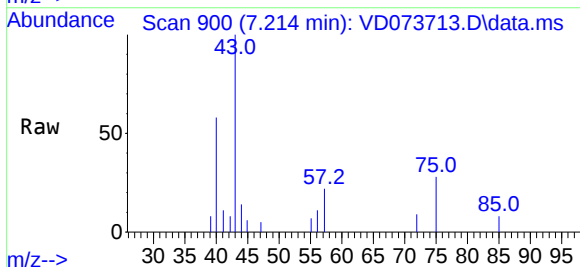
Tgt Ion: 43 Resp: 8152

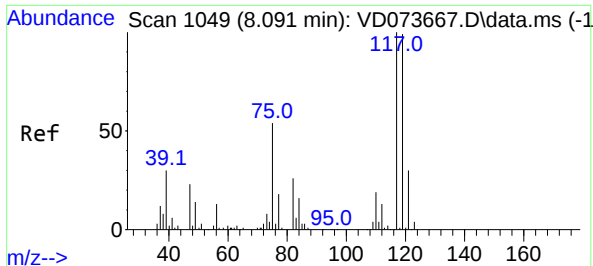
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

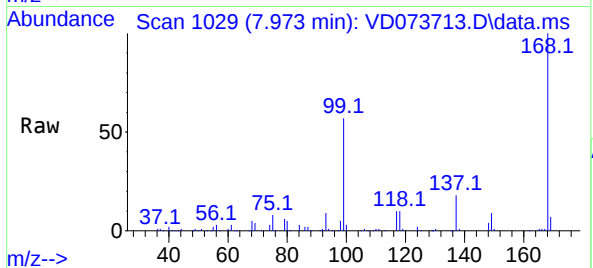
70 0.0 9.9 14.9#



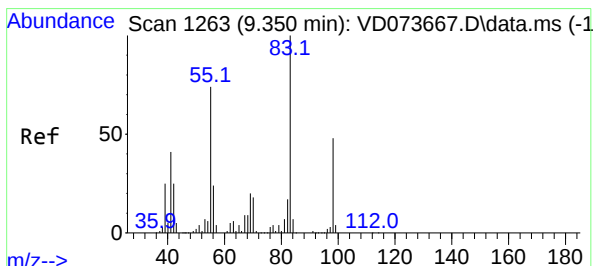
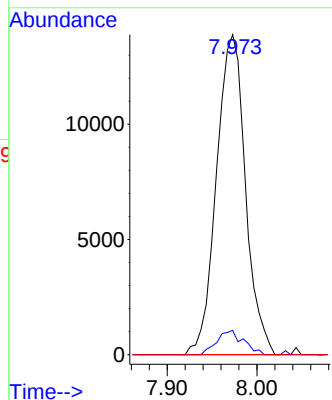
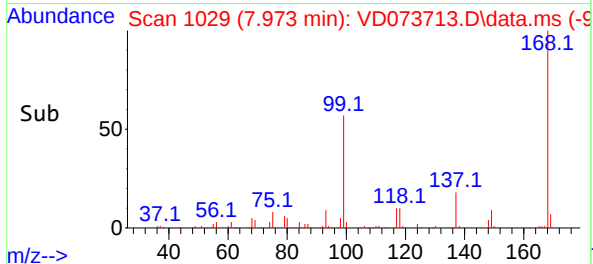


#38
Carbon Tetrachloride
Concen: 4.218 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

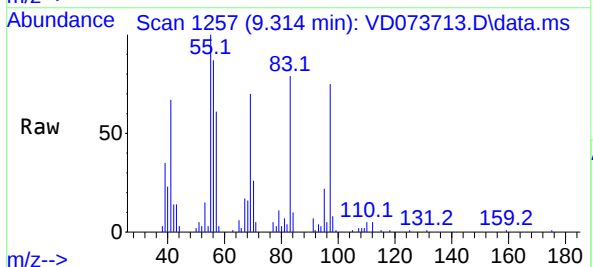
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR



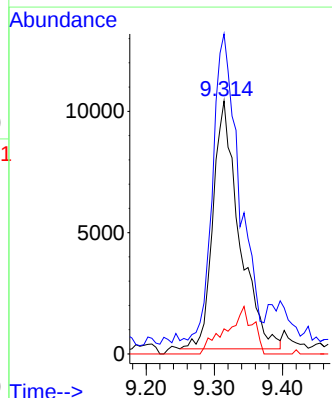
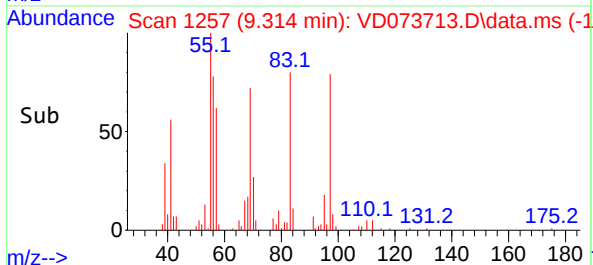
Tgt Ion:117 Resp: 31178
Ion Ratio Lower Upper
117 100
119 7.6 79.2 118.8#
121 0.0 23.8 35.8#

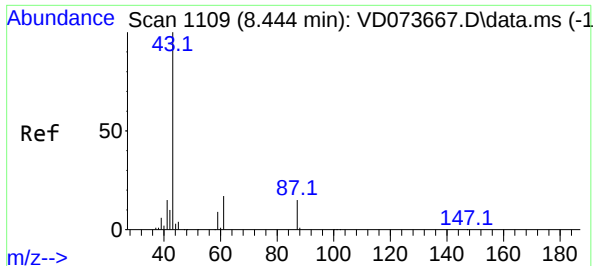


#39
Methylcyclohexane
Concen: 3.891 ug/l
RT: 9.314 min Scan# 1257
Delta R.T. -0.035 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59



Tgt Ion: 83 Resp: 27425
Ion Ratio Lower Upper
83 100
55 123.8 59.0 88.4#
98 10.1 38.3 57.5#

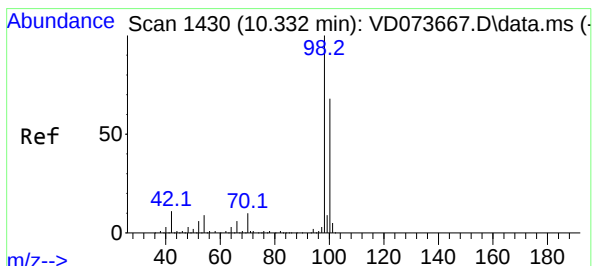
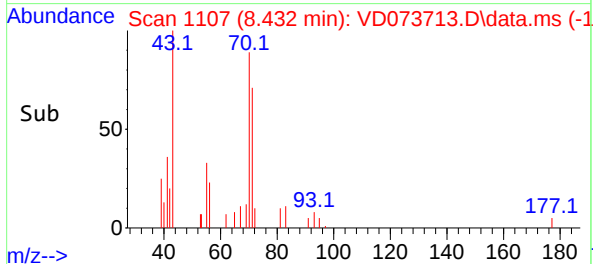
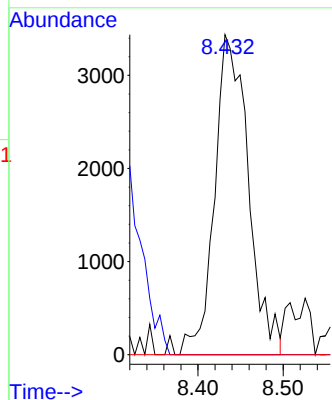
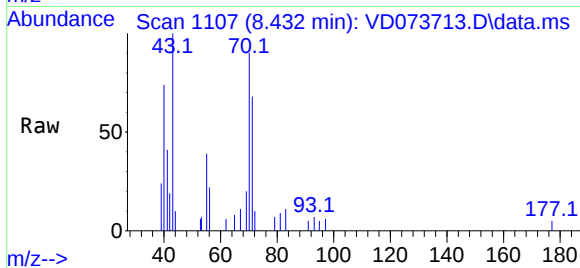




#43
Isopropyl Acetate
Concen: 1.931 ug/l
RT: 8.432 min Scan# 1107
Delta R.T. -0.012 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

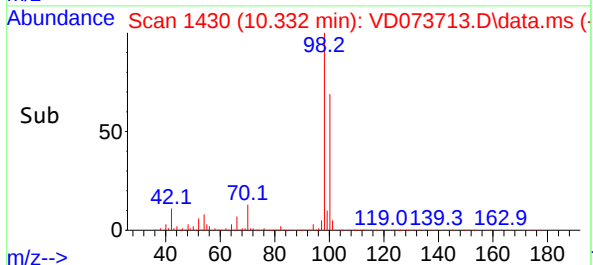
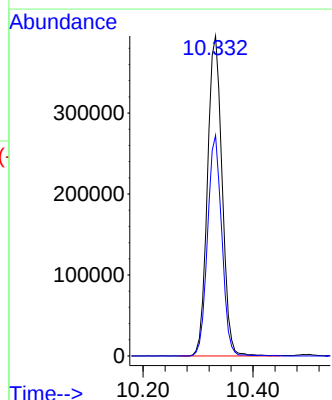
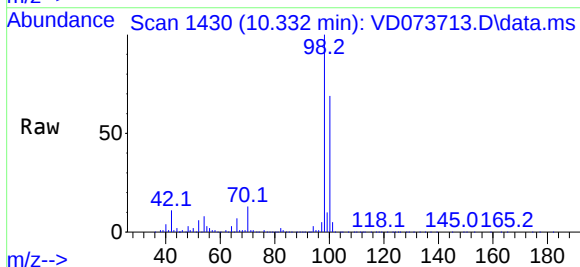
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

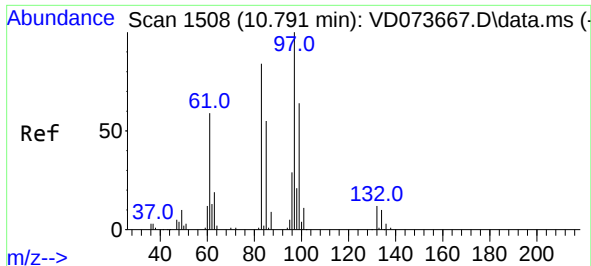
Tgt Ion: 43 Resp: 9438
Ion Ratio Lower Upper
43 100
61 0.0 25.4 38.0#
87 0.0 11.9 17.9#



#50
Toluene-d8
Concen: 44.944 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion: 98 Resp: 729721
Ion Ratio Lower Upper
98 100
100 66.9 54.0 81.0

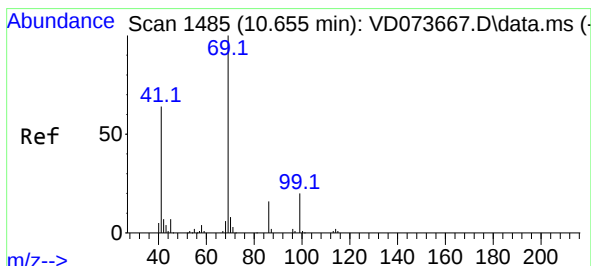
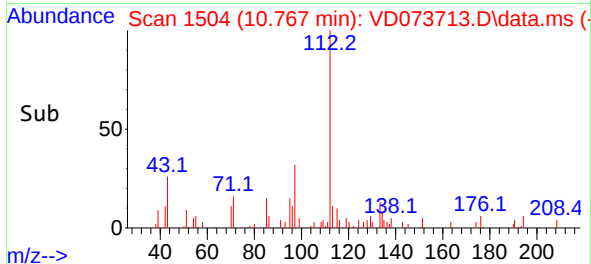
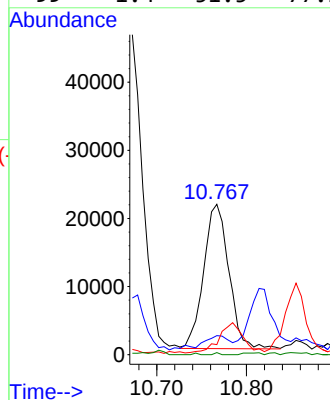
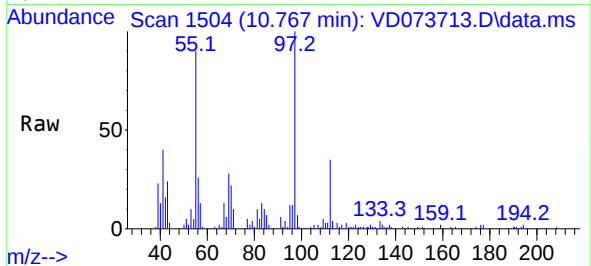




#55
1,1,2-Trichloroethane
Concen: 10.992 ug/l
RT: 10.767 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

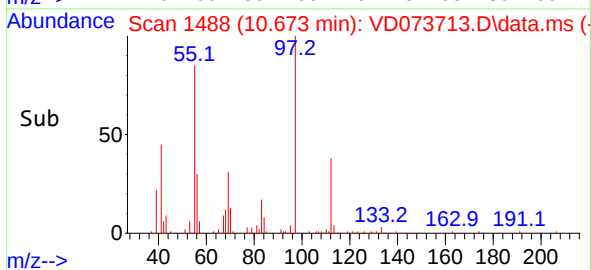
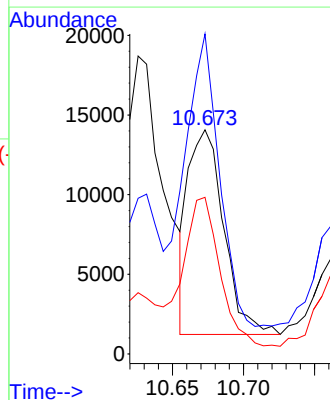
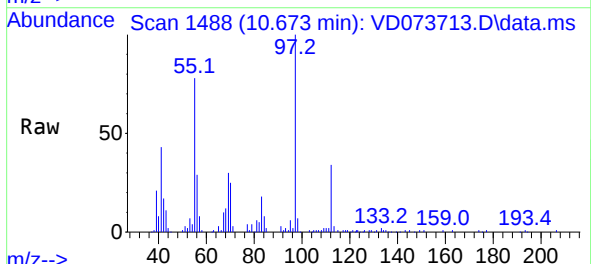
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

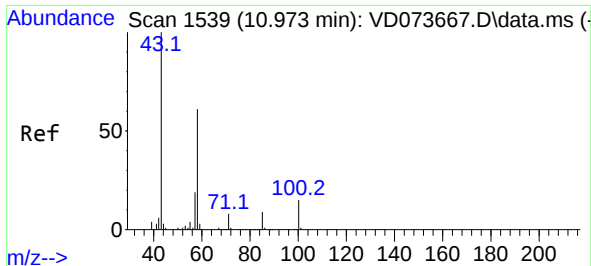
Tgt Ion: 97 Resp: 41440
Ion Ratio Lower Upper
97 100
83 9.0 67.1 100.7#
85 5.0 44.0 66.0#
99 1.4 51.5 77.3#



#56
Ethyl methacrylate
Concen: 5.241 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.017 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion: 69 Resp: 22269
Ion Ratio Lower Upper
69 100
41 139.8 51.6 77.4#
39 74.3 29.2 43.8#

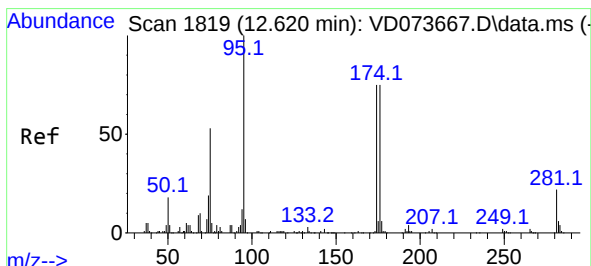
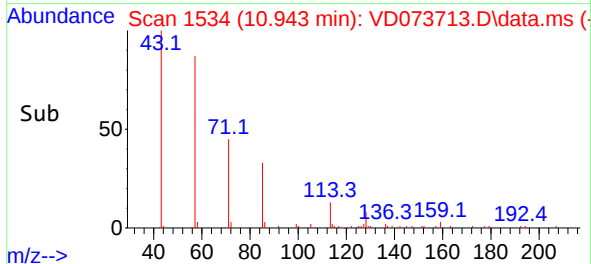
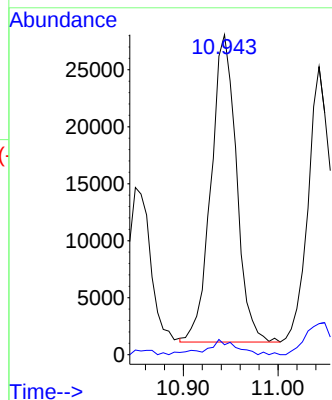
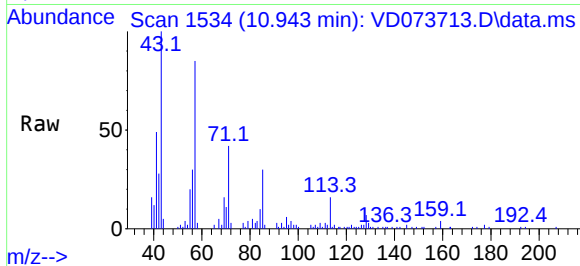




#59
2-Hexanone
Concen: 29.648 ug/l
RT: 10.943 min Scan# 11
Delta R.T. -0.030 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

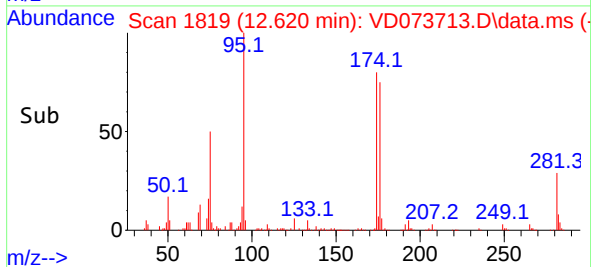
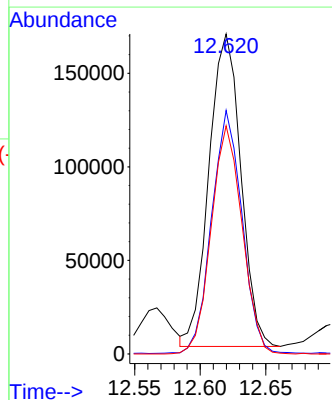
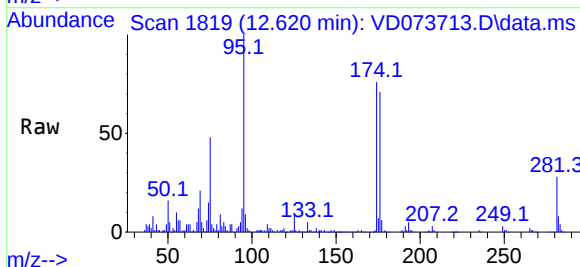
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

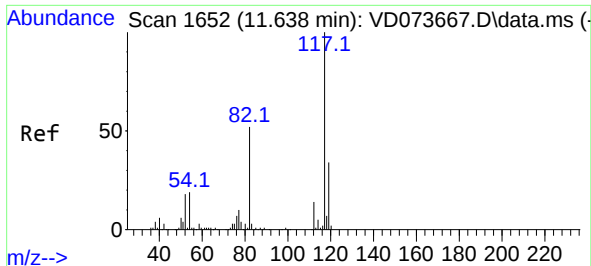
Tgt Ion: 43 Resp: 50284
Ion Ratio Lower Upper
43 100
58 5.6 28.8 86.4#



#62
4-Bromofluorobenzene
Concen: 46.334 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion: 95 Resp: 282156
Ion Ratio Lower Upper
95 100
174 74.0 0.0 158.4
176 70.9 0.0 154.8

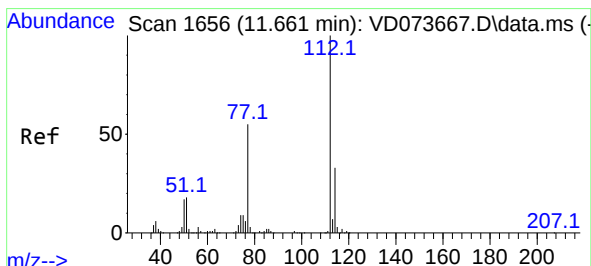
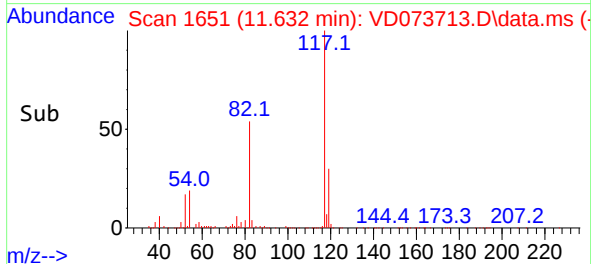
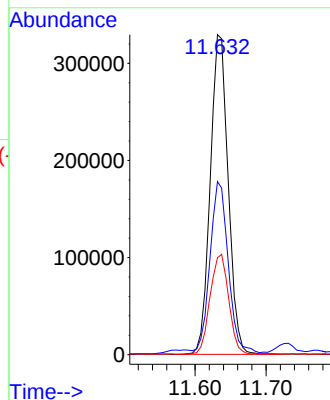
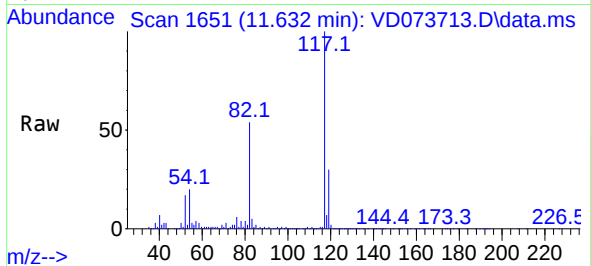




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

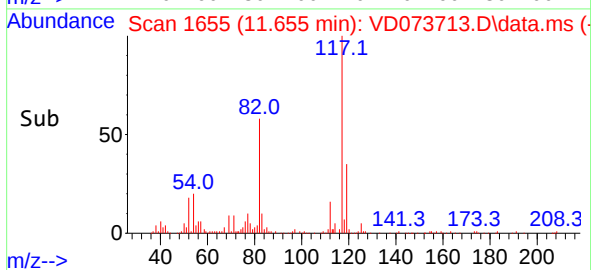
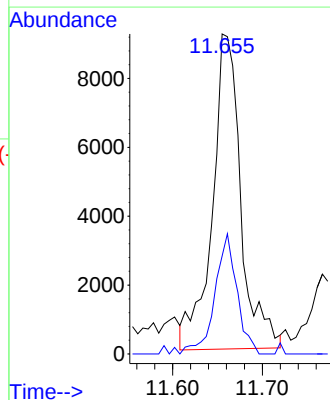
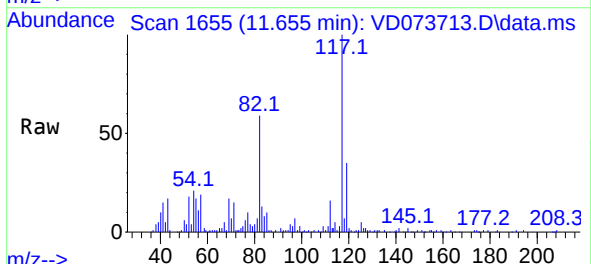
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

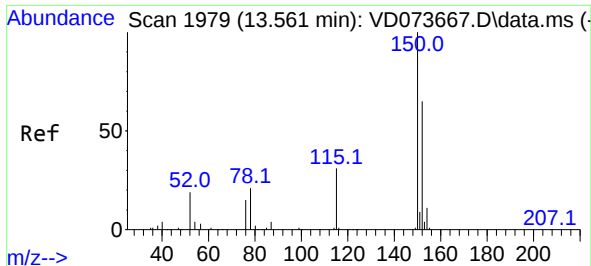
Tgt Ion:117 Resp: 576276
Ion Ratio Lower Upper
117 100
82 52.8 41.5 62.3
119 30.2 27.1 40.7



#65
Chlorobenzene
Concen: 1.434 ug/l
RT: 11.655 min Scan# 1655
Delta R.T. -0.006 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion:112 Resp: 20225
Ion Ratio Lower Upper
112 100
114 32.5 26.6 39.8

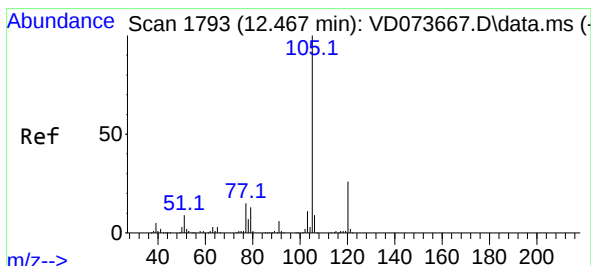
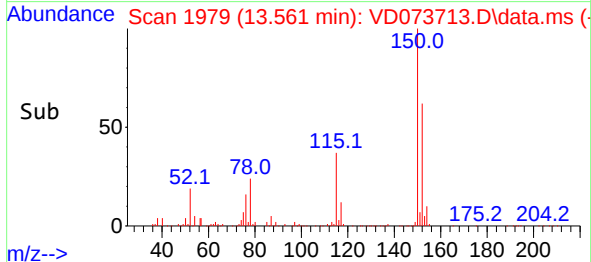
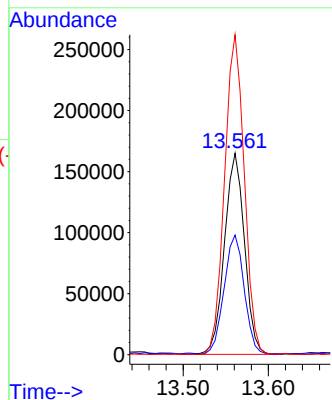
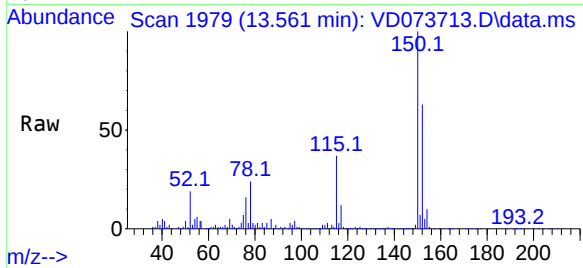




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

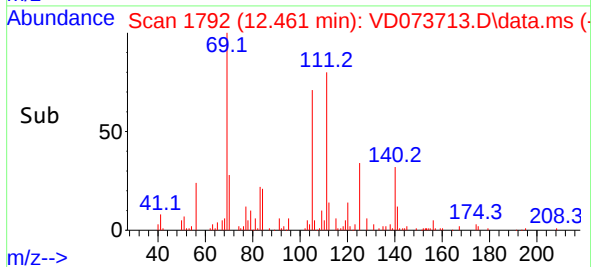
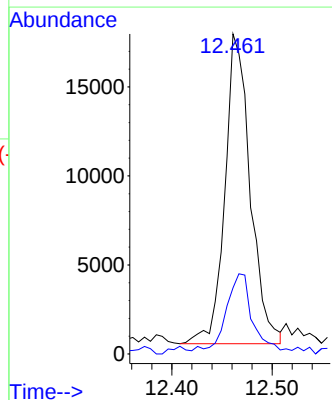
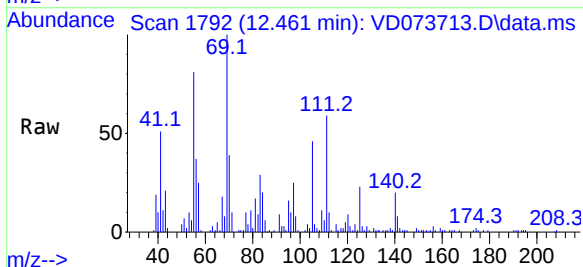
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

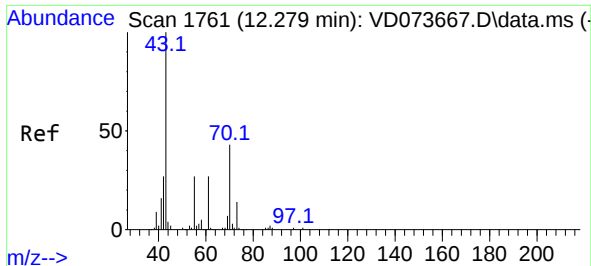
Tgt Ion:152 Resp: 269047
Ion Ratio Lower Upper
152 100
115 59.1 30.6 91.6
150 156.3 0.0 355.0



#73
Isopropylbenzene
Concen: 1.392 ug/l
RT: 12.461 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion:105 Resp: 30582
Ion Ratio Lower Upper
105 100
120 26.5 13.2 39.6

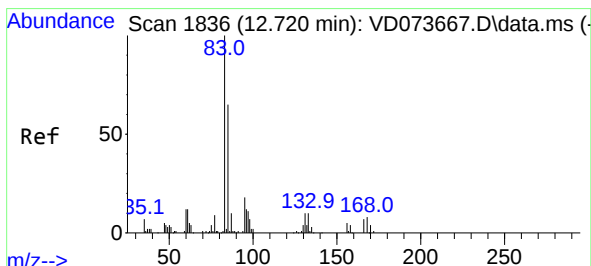
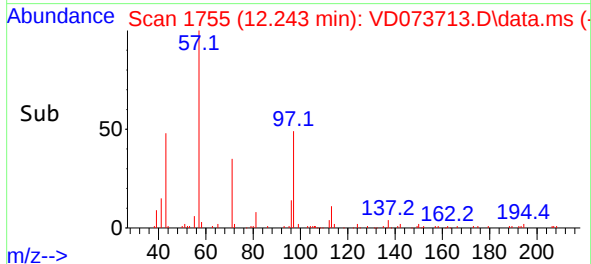
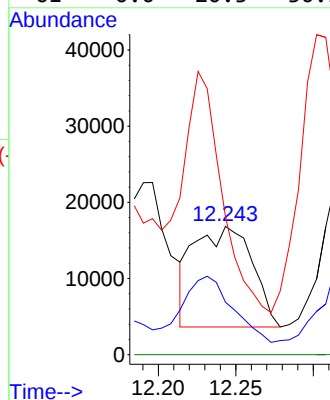
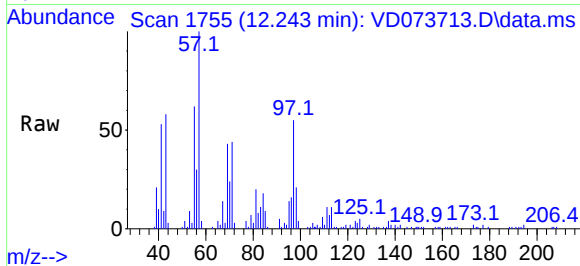




#74
N-amy1 acetate
Concen: 7.656 ug/l
RT: 12.243 min Scan# 11
Delta R.T. -0.035 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

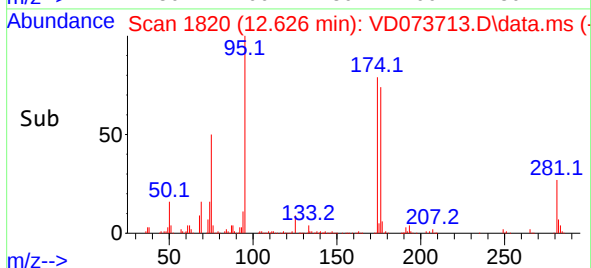
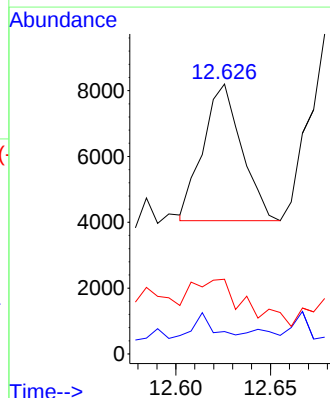
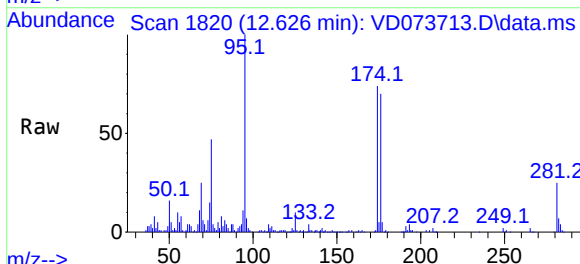
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

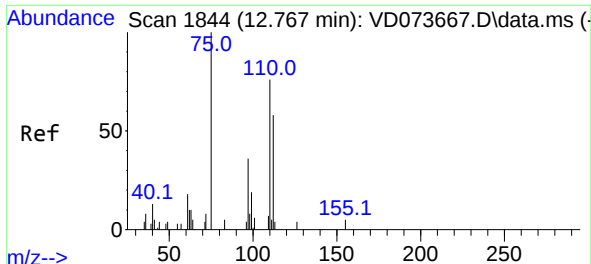
Tgt Ion:	43	Resp:	34417
Ion	Ratio	Lower	Upper
43	100		
70	56.8	35.0	52.6#
55	164.8	21.0	31.4#
61	0.0	20.3	30.5#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.427 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.094 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion:	83	Resp:	5914
Ion	Ratio	Lower	Upper
83	100		
131	13.1	5.5	16.7
85	47.8	32.3	96.9

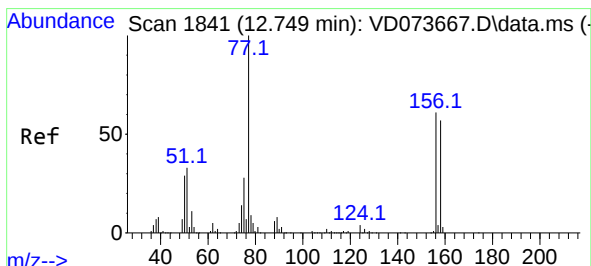
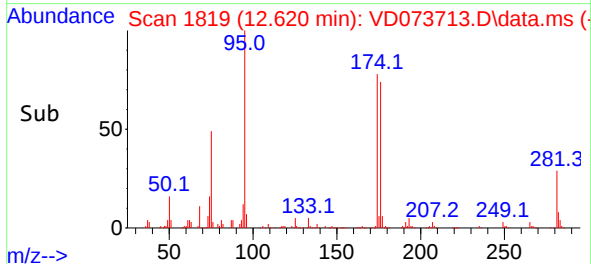
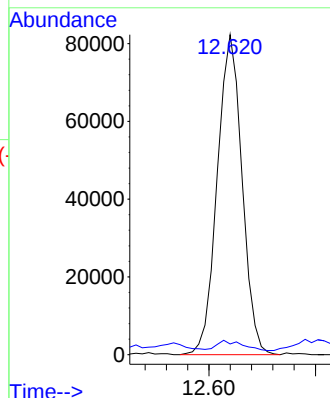
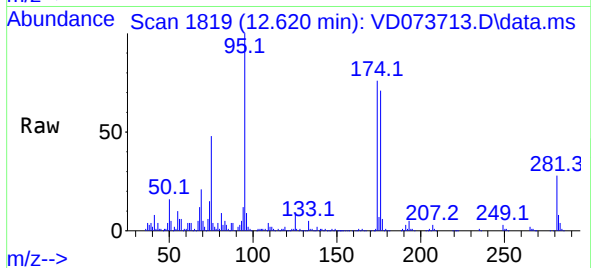




#76
1,2,3-Trichloropropane
Concen: 50.791 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

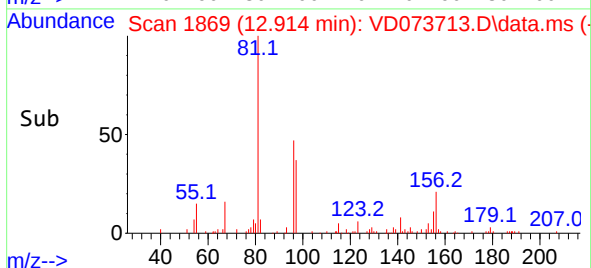
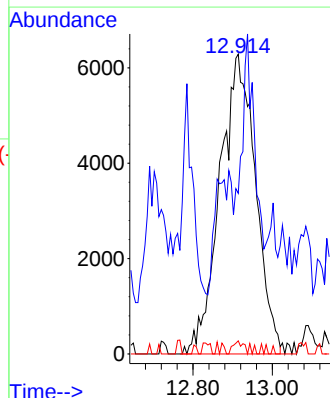
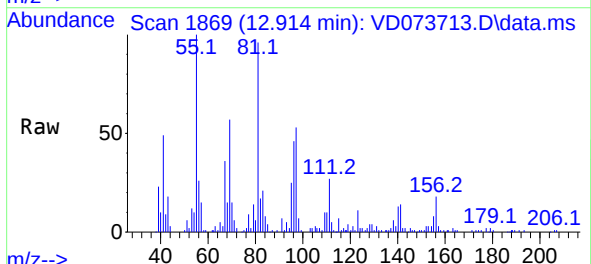
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

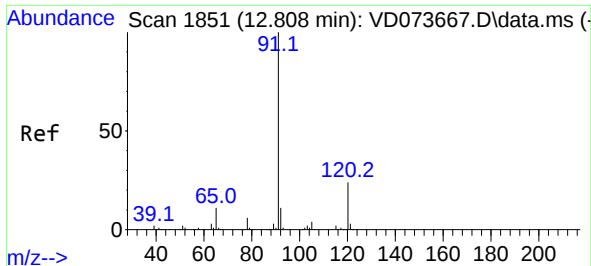
Tgt Ion: 75 Resp: 132982
Ion Ratio Lower Upper
75 100
77 3.1 195.3 586.0#



#77
Bromobenzene
Concen: 7.429 ug/l
RT: 12.914 min Scan# 1869
Delta R.T. 0.164 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion:156 Resp: 39250
Ion Ratio Lower Upper
156 100
77 0.0 90.9 272.7#
158 1.3 48.4 145.2#

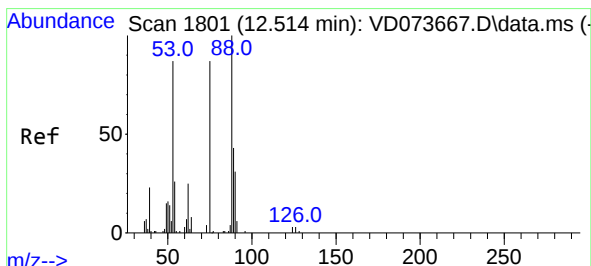
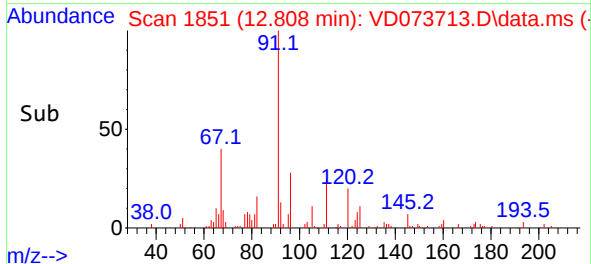
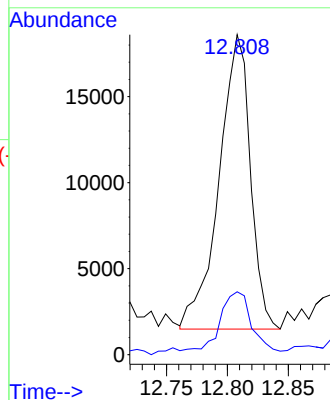
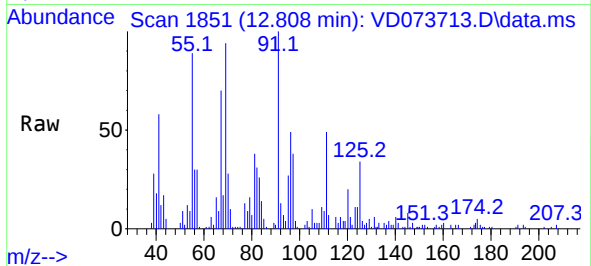




#78
n-propylbenzene
Concen: 1.143 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

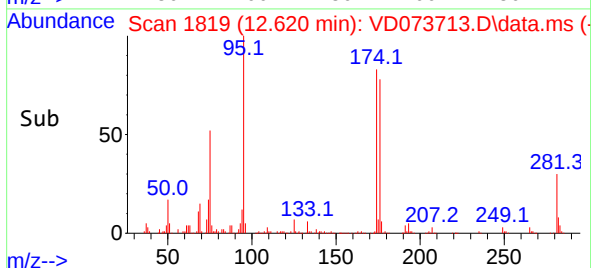
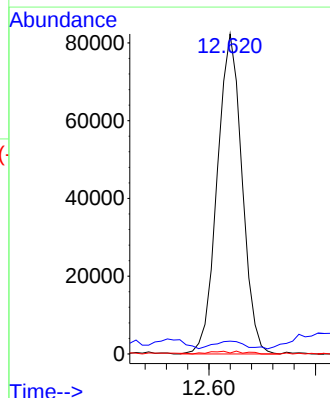
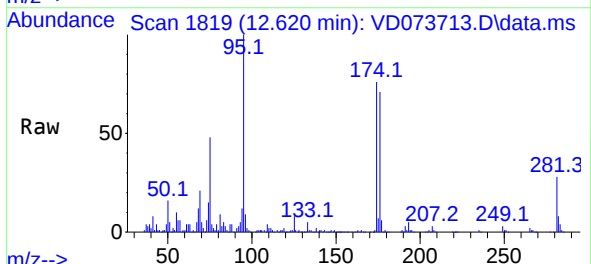
Instrument :
MSVOA_D
ClientSampleId :
SP-EXC-2-1-GR

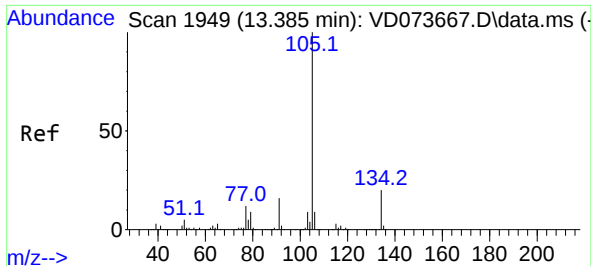
Tgt Ion: 91 Resp: 30696
Ion Ratio Lower Upper
91 100
120 19.2 11.8 35.3



#81
trans-1,4-Dichloro-2-butene
Concen: 103.693 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073713.D
Acq: 25 Jun 2022 16:59

Tgt Ion: 75 Resp: 132982
Ion Ratio Lower Upper
75 100
53 3.0 77.0 115.6#
89 0.7 37.8 56.8#

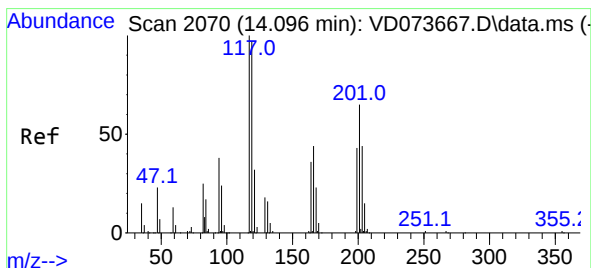
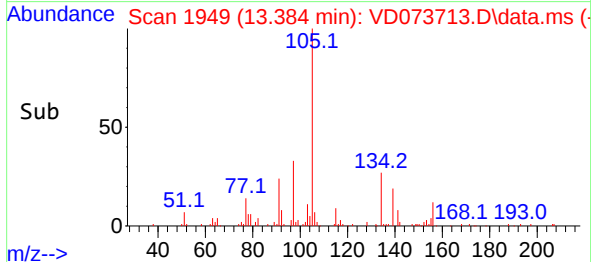
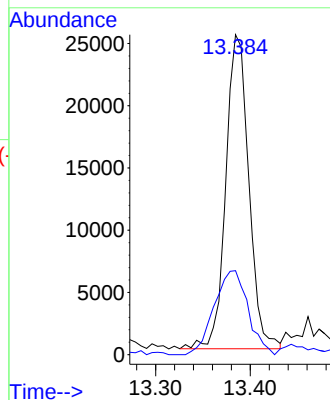
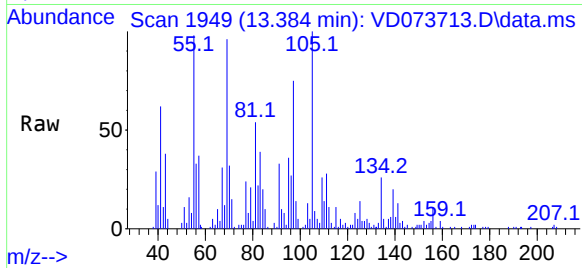




#85
 sec-Butylbenzene
 Concen: 1.757 ug/l
 RT: 13.384 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VD073713.D
 Acq: 25 Jun 2022 16:59

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-EXC-2-1-GR

Tgt Ion:105 Resp: 42779
 Ion Ratio Lower Upper
 105 100
 134 39.2 10.4 31.2#



#90
 Hexachloroethane
 Concen: 1.224 ug/l
 RT: 14.096 min Scan# 2070
 Delta R.T. -0.000 min
 Lab File: VD073713.D
 Acq: 25 Jun 2022 16:59

Tgt Ion:117 Resp: 5114
 Ion Ratio Lower Upper
 117 100
 201 1.2 33.8 101.4#

