

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072877.D
 Acq On : 07 May 2022 04:52
 Operator : VA/SY
 Sample : N2703-04
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-29S

Quant Time: May 09 01:20:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

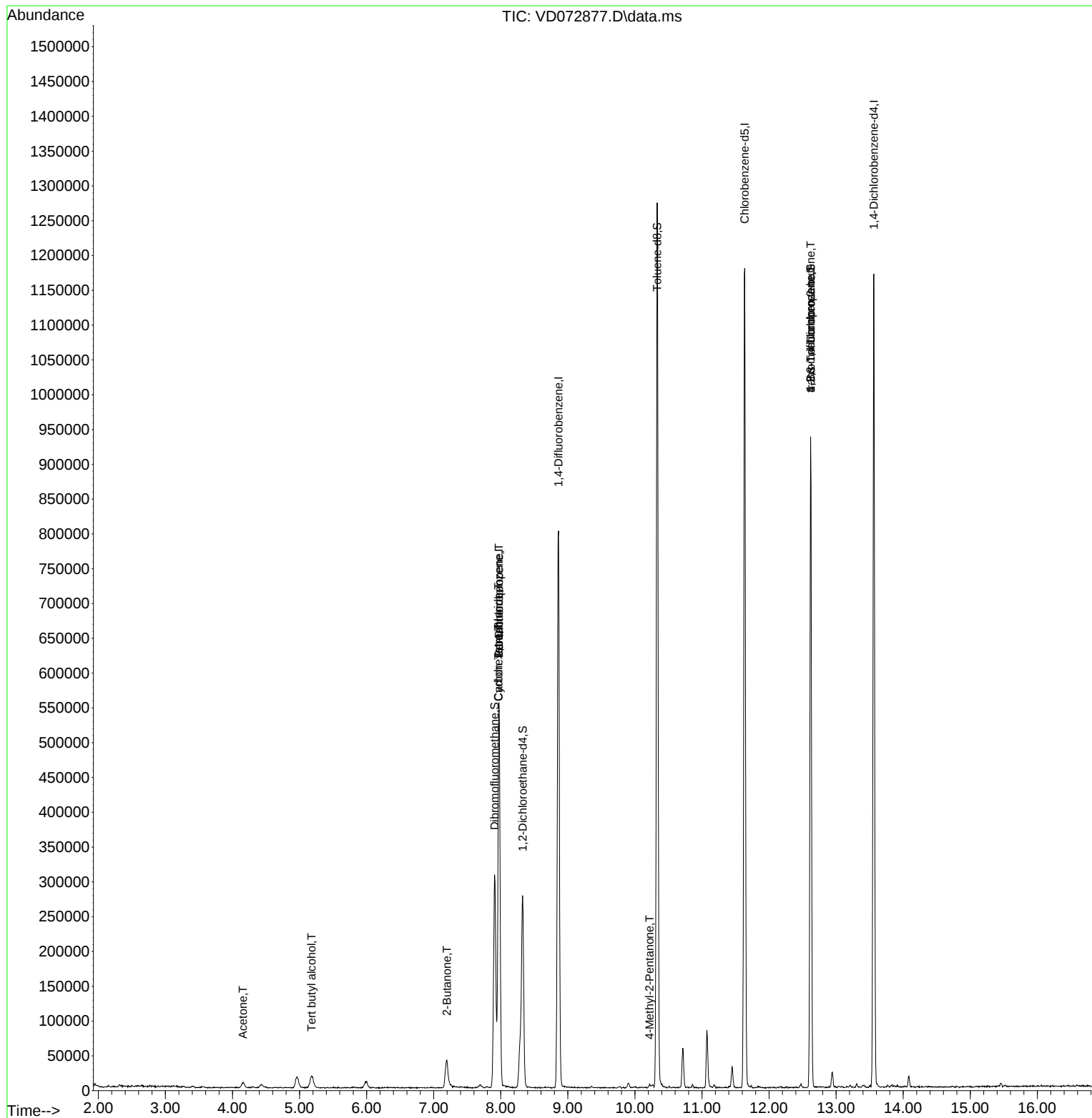
Internal Standards						
1) Pentafluorobenzene	7.973	168	387657	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	697548	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	673864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	295534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	215241	42.774	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.540%		
35) Dibromofluoromethane	7.908	113	223695	45.662	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.320%		
50) Toluene-d8	10.332	98	837803	47.675	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.360%		
62) 4-Bromofluorobenzene	12.620	95	297434	45.392	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.780%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1099	Below Cal	#	78
11) Tert butyl alcohol	5.179	59	16634	38.206	ug/l #	74
16) Acetone	4.156	43	14493	1.531	ug/l #	87
18) Methyl Acetate	4.709	43	56	Below Cal	#	55
20) Methylene Chloride	4.962	84	11898	Below Cal		95
25) 2-Butanone	7.197	43	1957	1.335	ug/l	97
31) Cyclohexane	7.967	56	10168	1.156	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	35414	4.446	ug/l #	50
38) Carbon Tetrachloride	7.967	117	43026	5.203	ug/l #	18
51) 4-Methyl-2-Pentanone	10.220	43	4063	1.157	ug/l #	85
76) 1,2,3-Trichloropropane	12.620	75	158340	48.049	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	158340	110.493	ug/l #	7

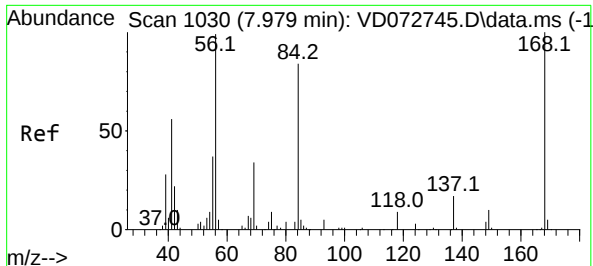
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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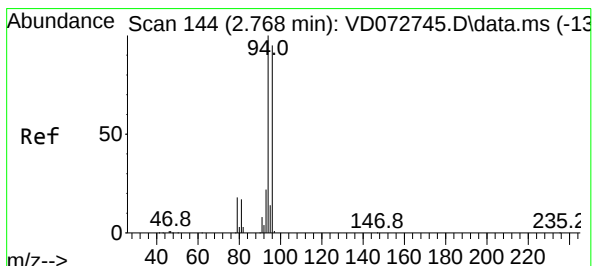
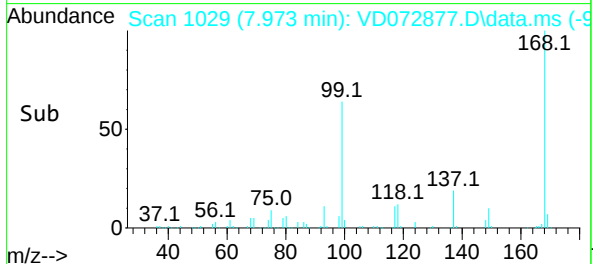
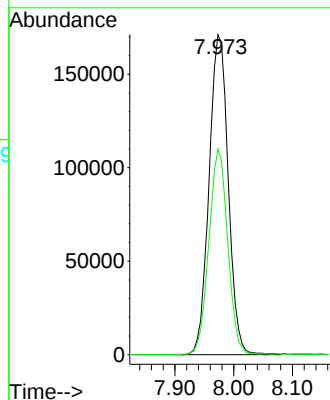
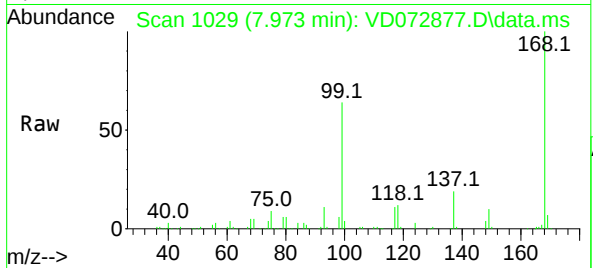




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

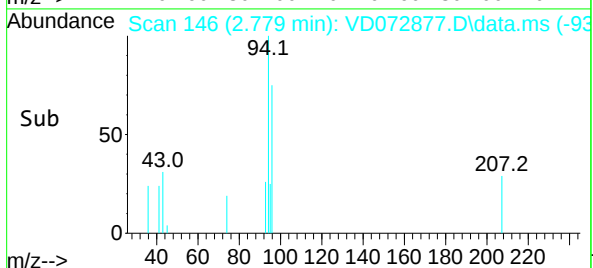
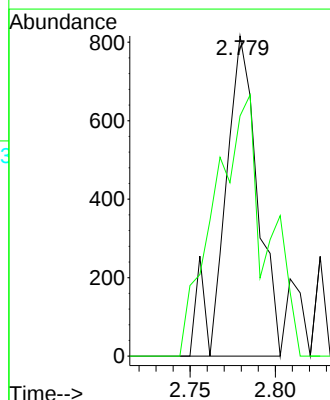
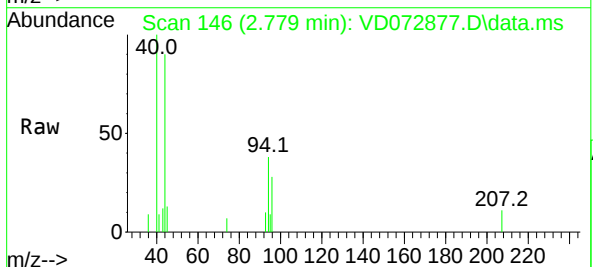
Instrument :
MSVOA_D
ClientSampleId :
MH-29S

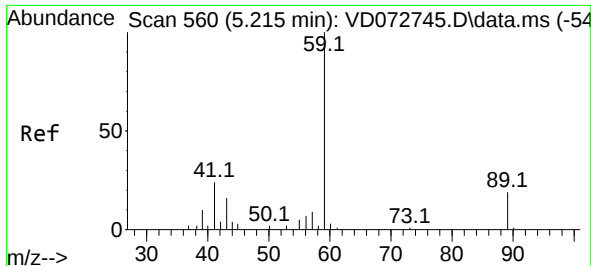
Tgt Ion:168 Resp: 387657
Ion Ratio Lower Upper
168 100
99 64.1 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

Tgt Ion: 94 Resp: 1099
Ion Ratio Lower Upper
94 100
96 75.0 77.6 116.4#

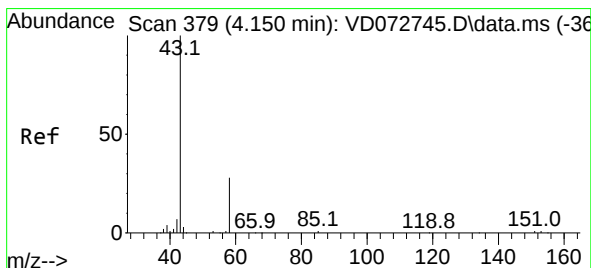
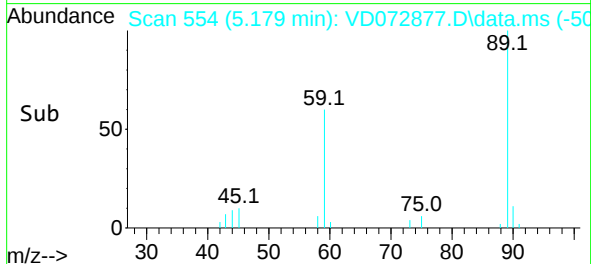
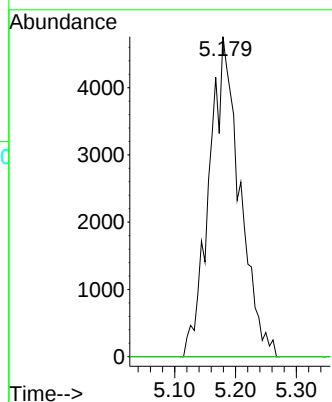
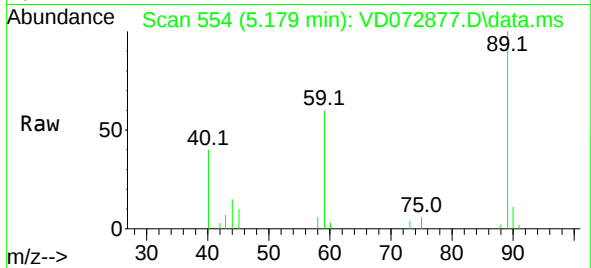




#11
Tert butyl alcohol
Concen: 38.206 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

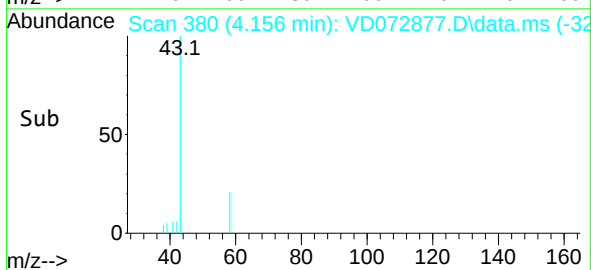
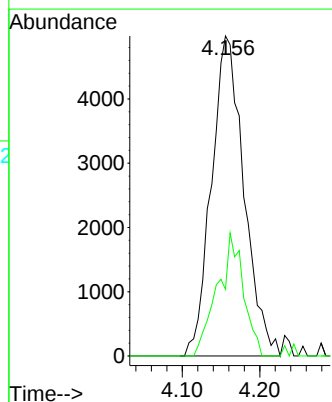
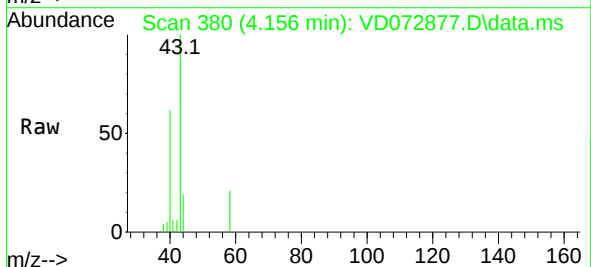
Instrument :
MSVOA_D
ClientSampleId :
MH-29S

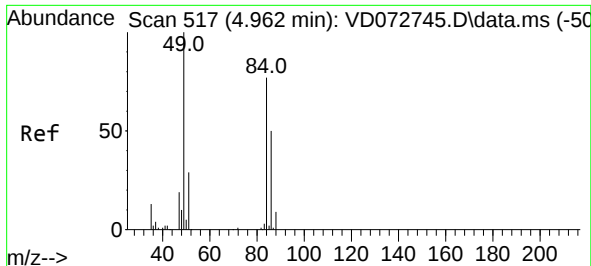
Tgt Ion: 59 Resp: 16634
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 1.531 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

Tgt Ion: 43 Resp: 14493
Ion Ratio Lower Upper
43 100
58 20.8 22.1 33.1#

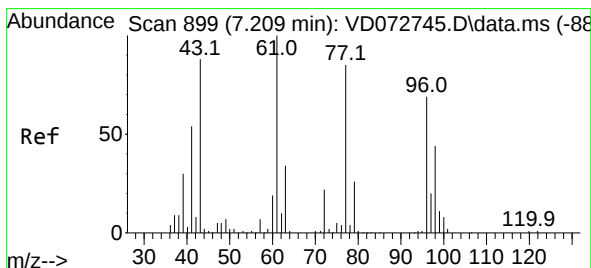
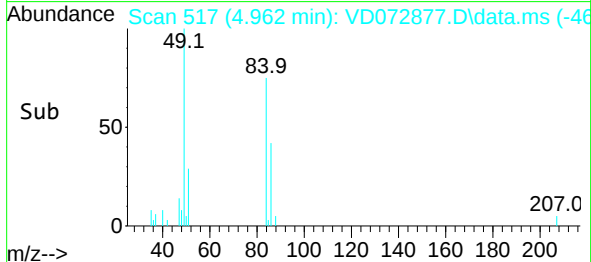
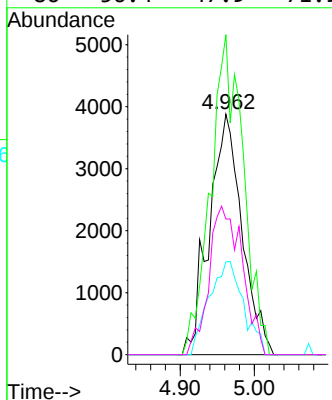
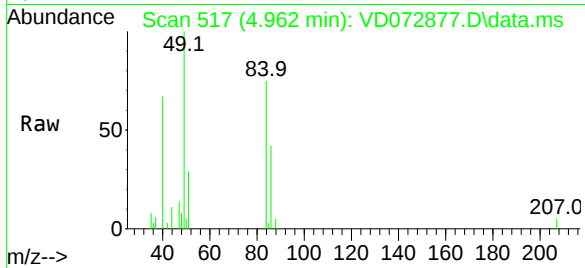




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

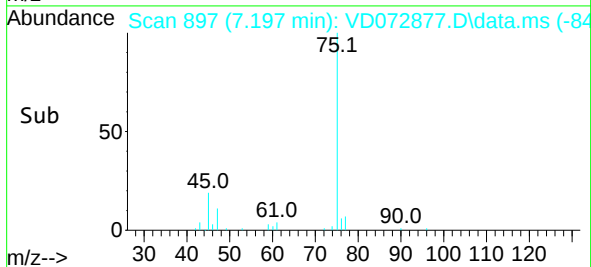
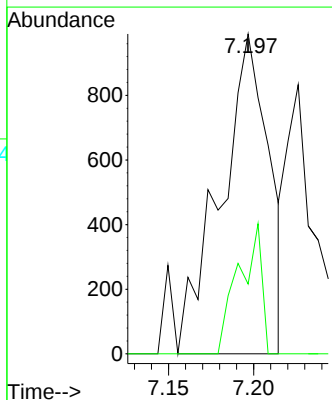
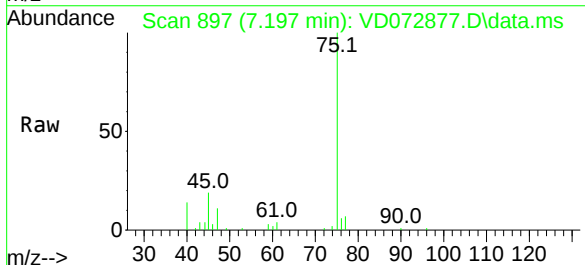
Instrument :
MSVOA_D
ClientSampleId :
MH-29S

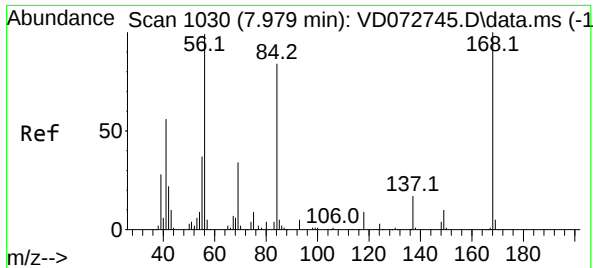
Tgt Ion:	84	Resp:	11898
Ion	Ratio	Lower	Upper
84	100		
49	133.1	112.8	169.2
51	38.6	32.6	48.8
86	56.4	47.9	71.9



#25
2-Butanone
Concen: 1.335 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.012 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

Tgt Ion:	43	Resp:	1957
Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.6	27.8

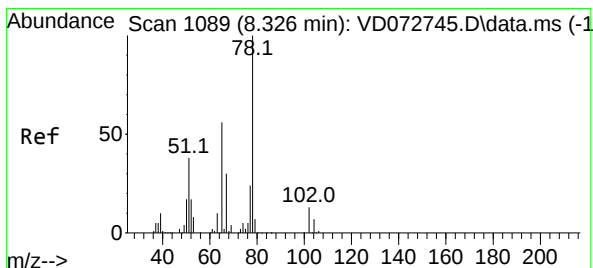
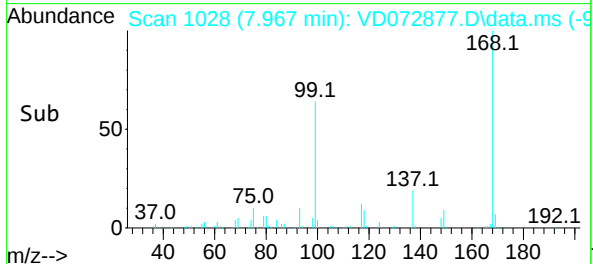
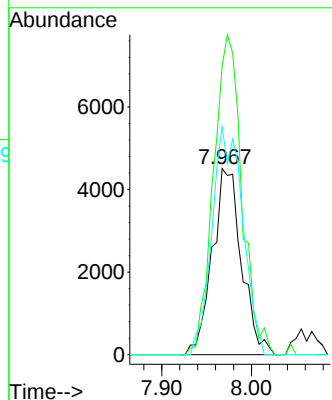
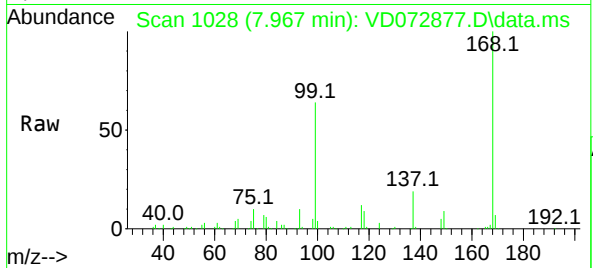




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

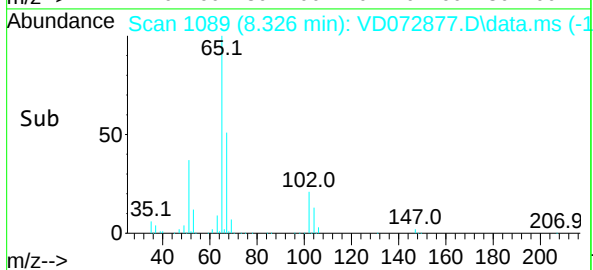
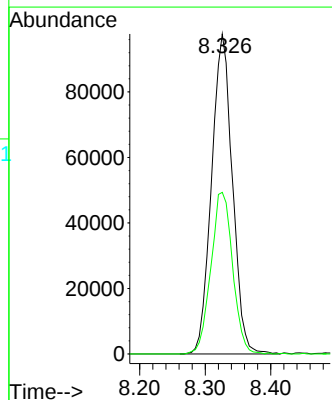
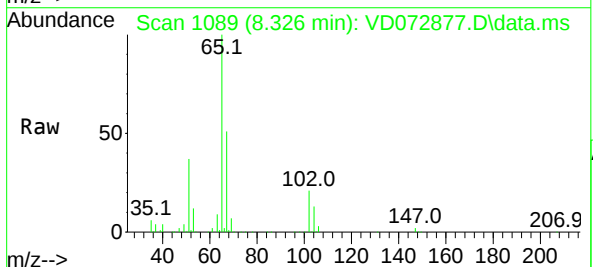
Instrument :
MSVOA_D
ClientSampleId :
MH-29S

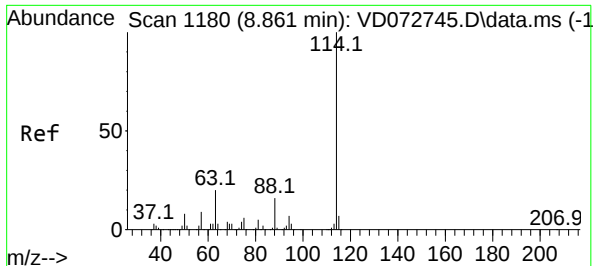
Tgt Ion: 56 Resp: 10168
Ion Ratio Lower Upper
56 100
69 155.0 25.4 38.2#
84 122.2 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 42.774 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

Tgt Ion: 65 Resp: 215241
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.4

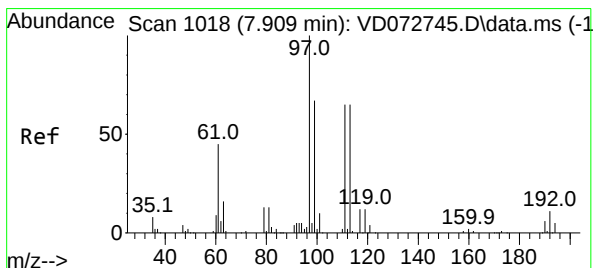
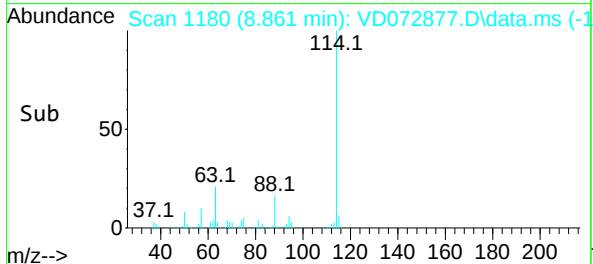
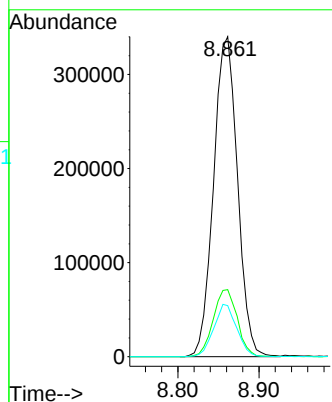
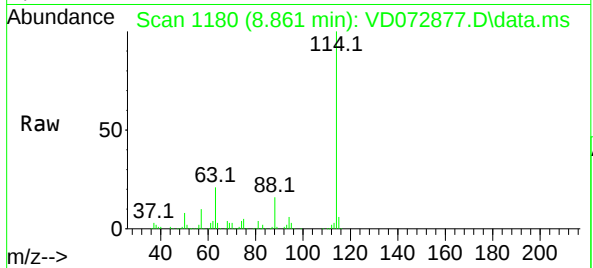




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

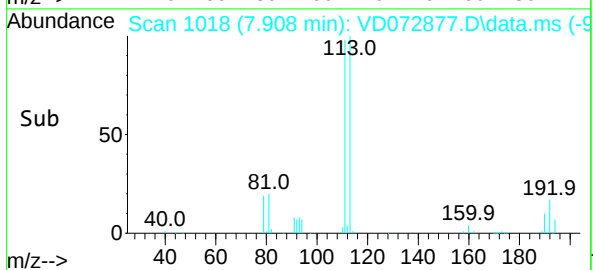
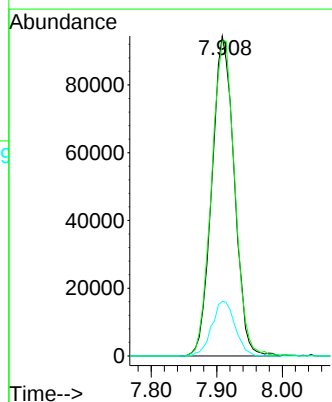
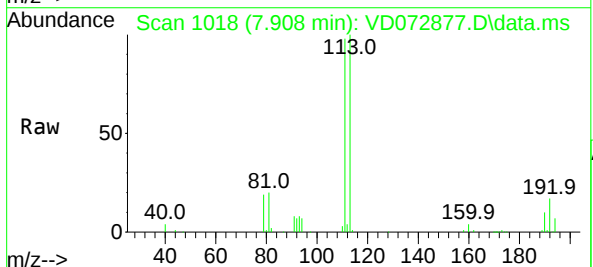
Instrument :
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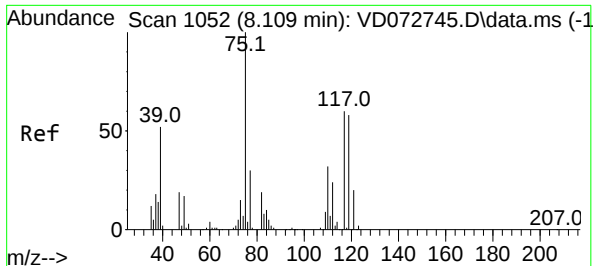
Tgt Ion:114 Resp: 697548
Ion Ratio Lower Upper
114 100
63 20.9 0.0 46.6
88 16.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 45.662 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

Tgt Ion:113 Resp: 223695
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.446 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072877.D

Acq: 07 May 2022 04:52

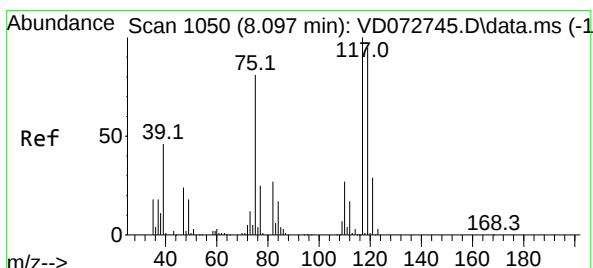
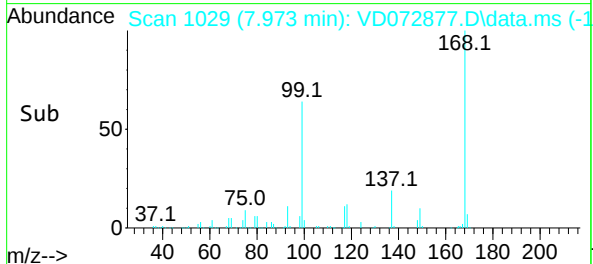
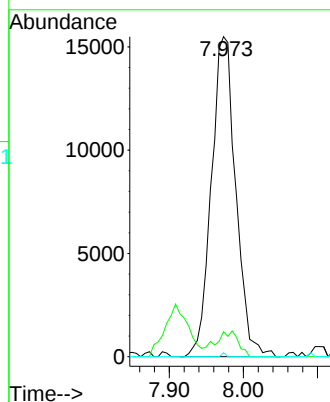
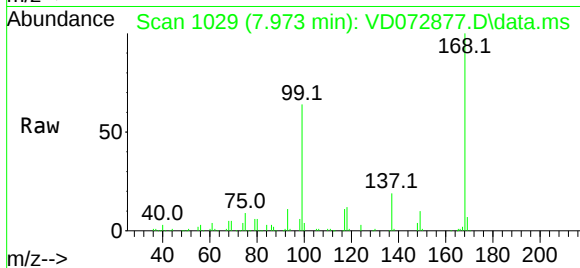
Instrument :

MSVOA_D

ClientSampleId :

MH-29S

Tgt Ion:	75	Resp:	35414
Ion	Ratio	Lower	Upper
75	100		
110	7.6	16.4	49.1#
77	0.2	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.203 ug/l

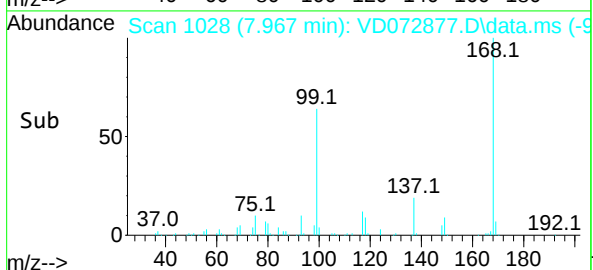
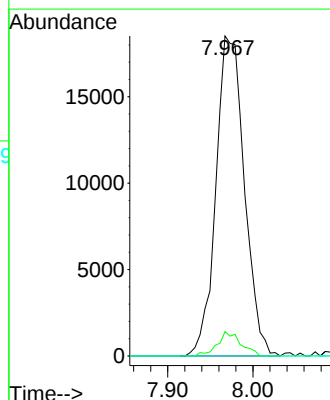
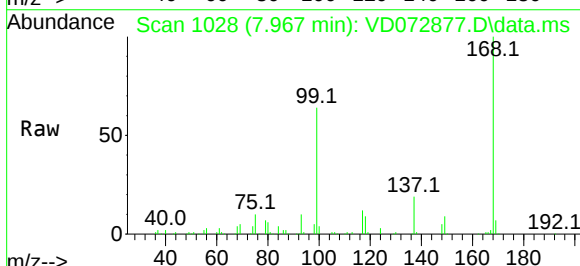
RT: 7.967 min Scan# 1028

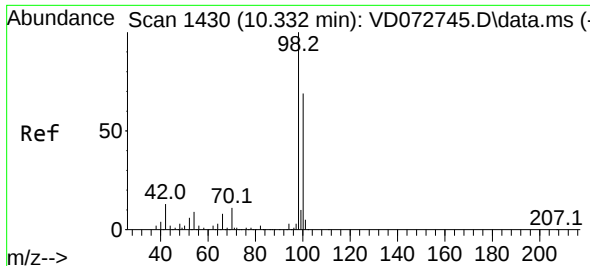
Delta R.T. -0.130 min

Lab File: VD072877.D

Acq: 07 May 2022 04:52

Tgt Ion:	117	Resp:	43026
Ion	Ratio	Lower	Upper
117	100		
119	7.6	75.8	113.6#
121	0.0	24.5	36.7#

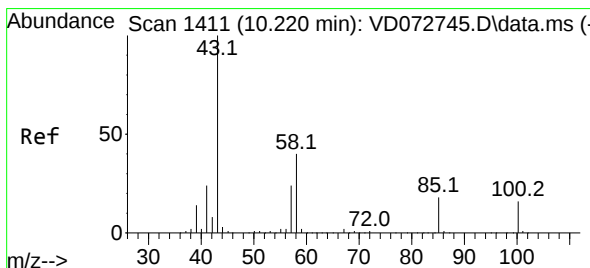
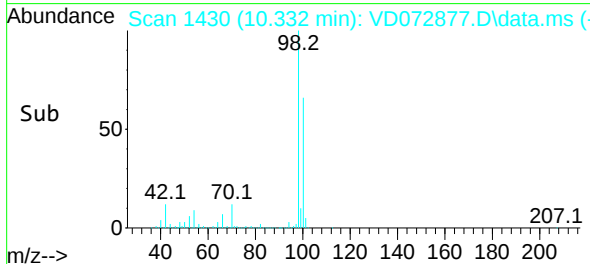
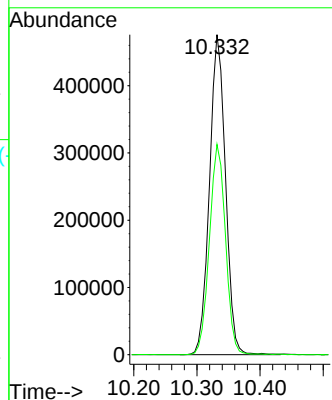
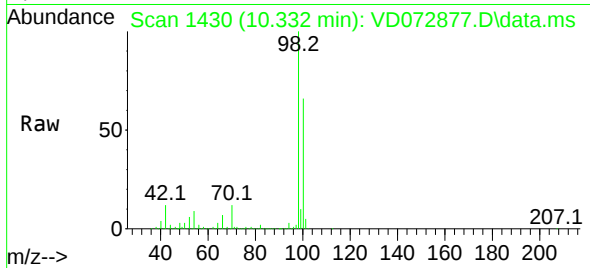




#50
Toluene-d8
Concen: 47.675 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

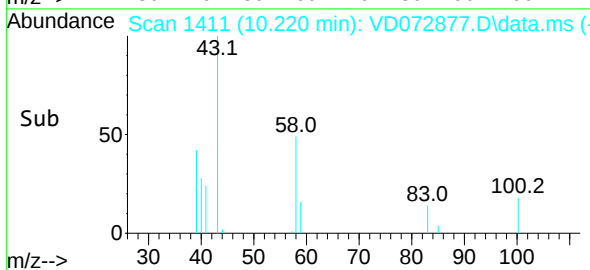
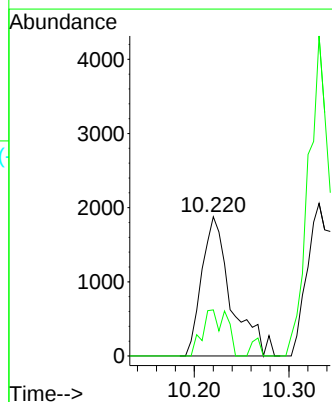
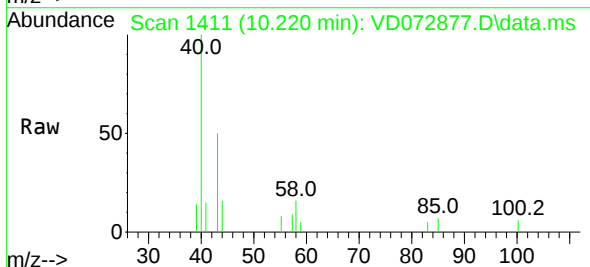
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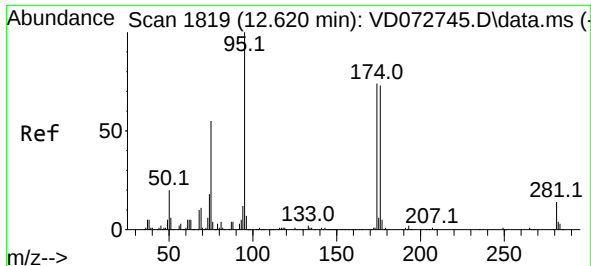
Tgt Ion: 98 Resp: 837803
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.157 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

Tgt Ion: 43 Resp: 4063
Ion Ratio Lower Upper
43 100
58 26.9 28.6 43.0#

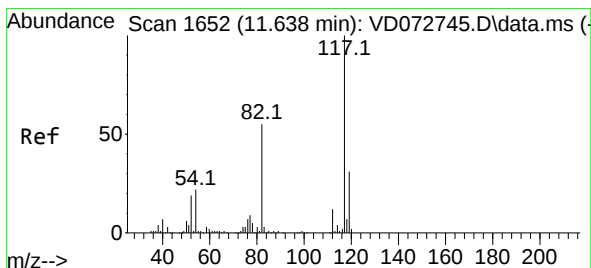
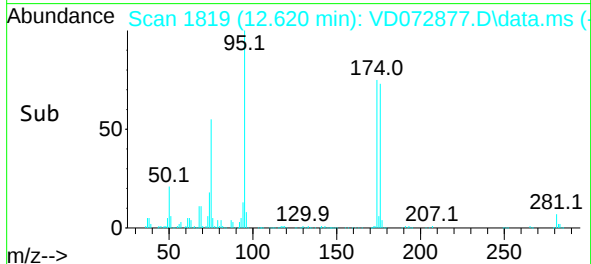
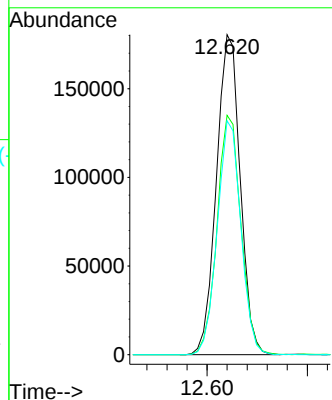
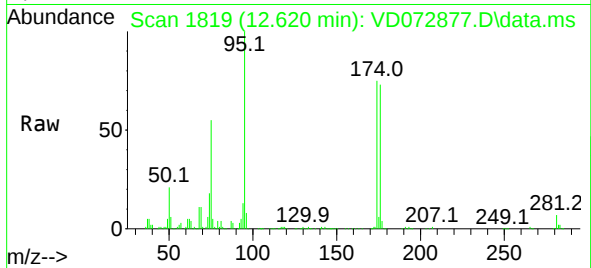




#62
4-Bromofluorobenzene
Concen: 45.392 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

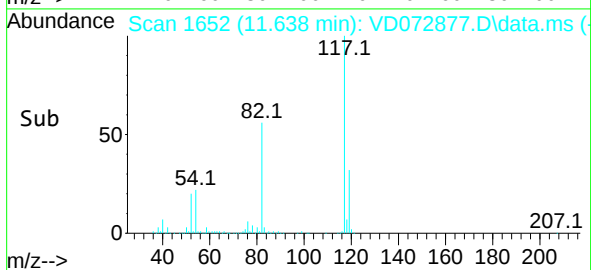
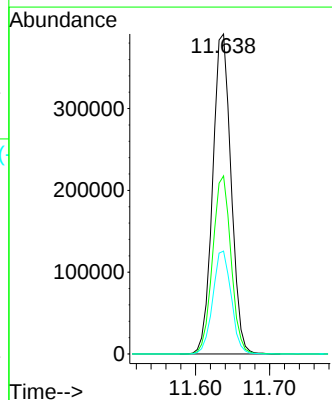
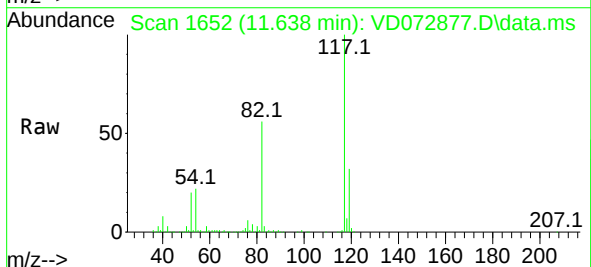
Instrument :
MSVOA_D
ClientSampleId :
MH-29S

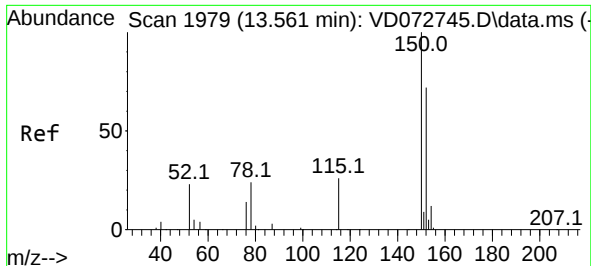
Tgt Ion: 95 Resp: 297434
Ion Ratio Lower Upper
95 100
174 75.1 0.0 152.8
176 72.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072877.D
Acq: 07 May 2022 04:52

Tgt Ion: 117 Resp: 673864
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 32.1 26.6 40.0

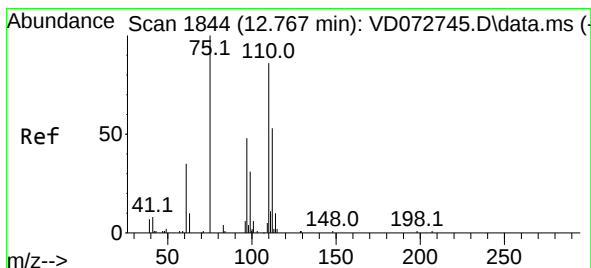
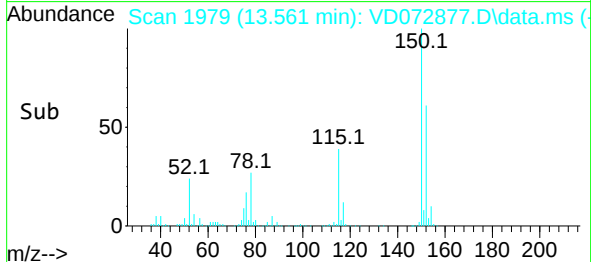
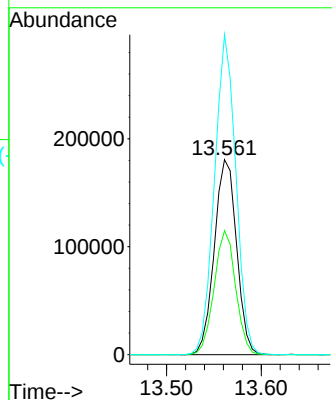
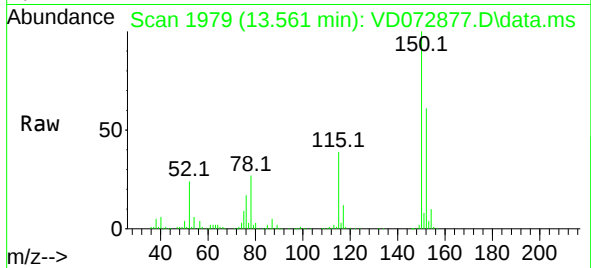




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD072877.D
 Acq: 07 May 2022 04:52

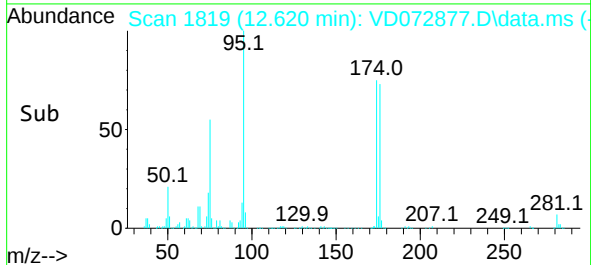
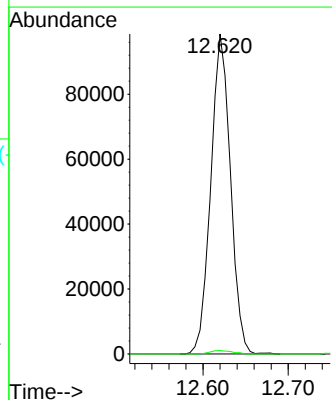
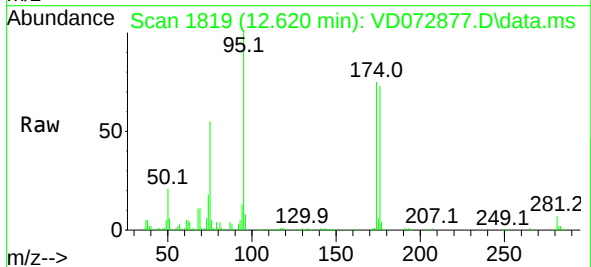
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-29S

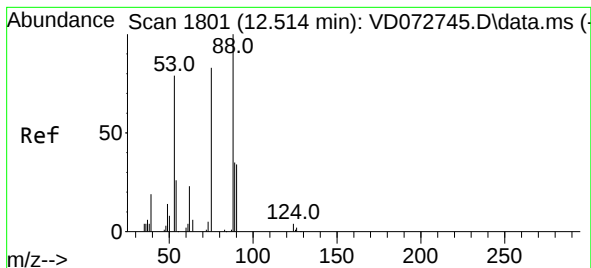
Tgt Ion:152 Resp: 295534
 Ion Ratio Lower Upper
 152 100
 115 61.5 31.3 93.8
 150 157.6 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 48.049 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072877.D
 Acq: 07 May 2022 04:52

Tgt Ion: 75 Resp: 158340
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 110.493 ug/l

RT: 12.620 min Scan# 11

Delta R.T. 0.106 min

Lab File: VD072877.D

Acq: 07 May 2022 04:52

Instrument :

MSVOA_D

ClientSampleId :

MH-29S

Tgt Ion: 75 Resp: 158340

Ion Ratio Lower Upper

75 100

53 0.2 86.5 129.7#

89 0.1 33.9 50.9#

