

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092821\
 Data File : VD070497.D
 Acq On : 28 Sep 2021 12:41
 Operator : VA/SY
 Sample : M3946-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-05-092421RE

Quant Time: Sep 28 23:41:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

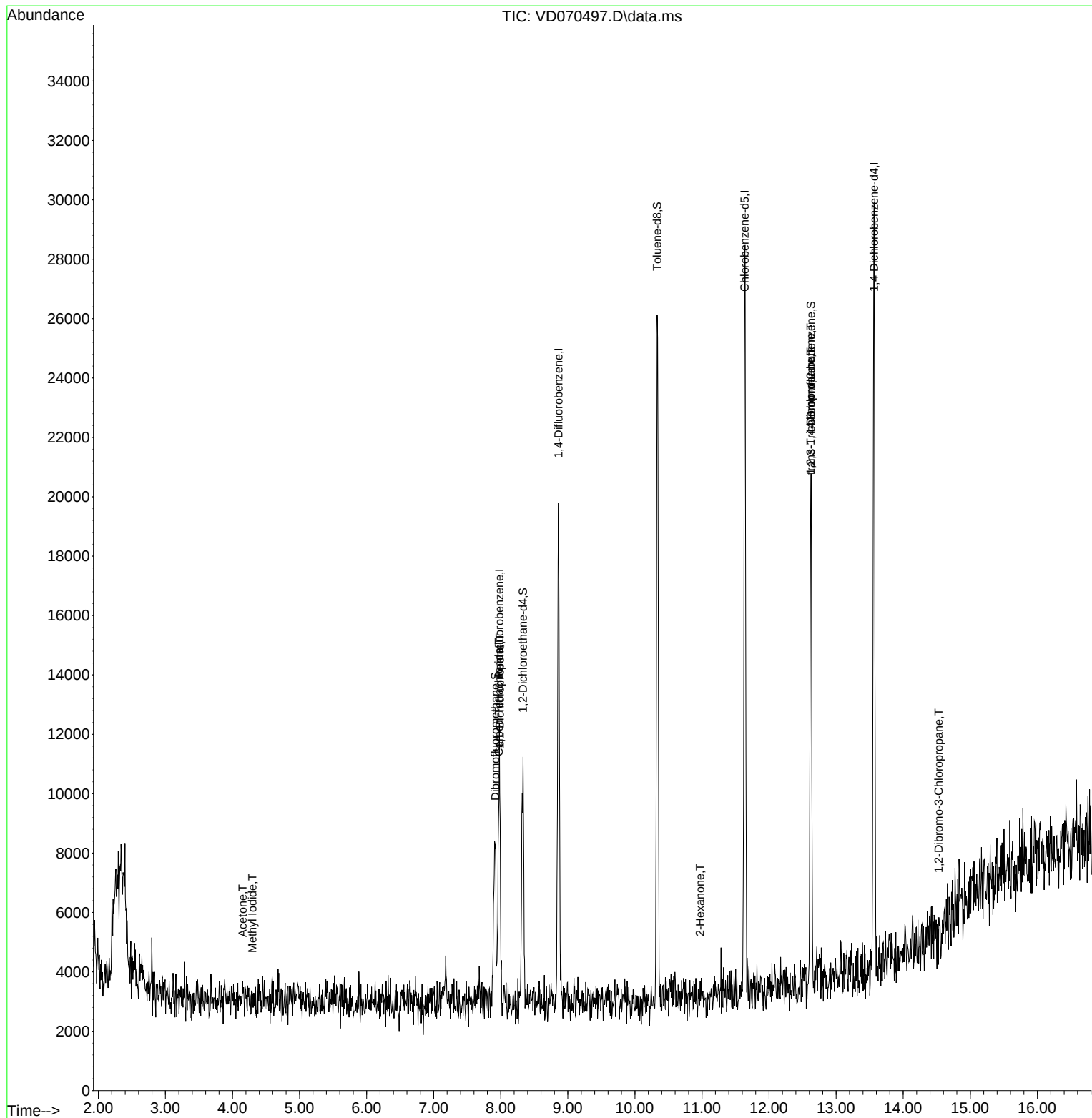
Internal Standards						
1) Pentafluorobenzene	7.979	168	7115	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	14957	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	15870	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	6950	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	6682	73.141	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.280%			
35) Dibromofluoromethane	7.920	113	5061	47.536	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.080%			
50) Toluene-d8	10.332	98	16907	43.738	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 87.480%			
62) 4-Bromofluorobenzene	12.626	95	6304	46.664	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	58	Below Cal	#	43
3) Chloromethane	2.215	50	345	Below Cal	#	42
6) Chloroethane	2.815	64	55	Below Cal	#	43
10) Methyl Iodide	4.297	142	87	1.997	ug/l #	39
16) Acetone	4.150	43	96	5.886	ug/l #	36
20) Methylene Chloride	4.938	84	53	Below Cal	#	9
36) 1,1-Dichloropropene	7.985	75	242	1.514	ug/l #	41
38) Carbon Tetrachloride	7.973	117	752	4.756	ug/l #	12
59) 2-Hexanone	10.973	43	59	1.546	ug/l #	20
76) 1,2,3-Trichloropropane	12.620	75	3159	44.936	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	3159	112.591	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.532	75	76	4.861	ug/l #	5

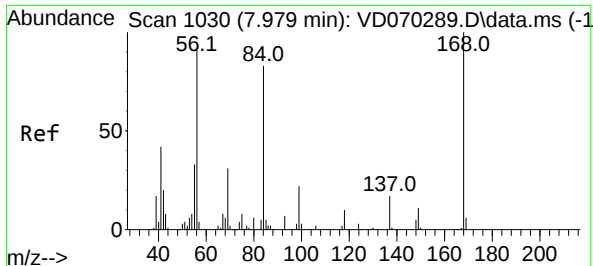
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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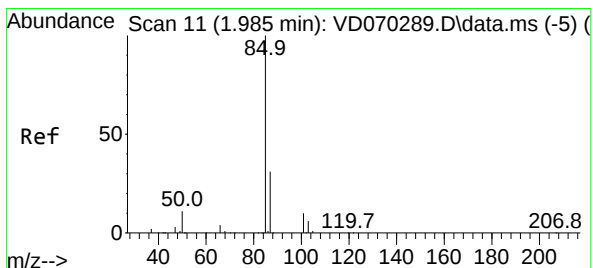
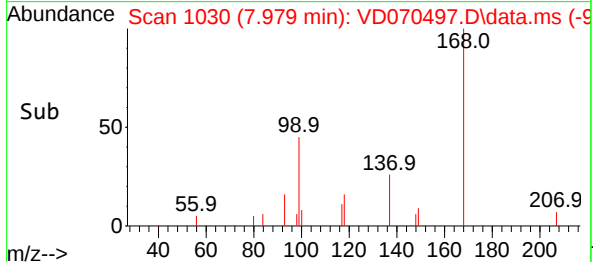
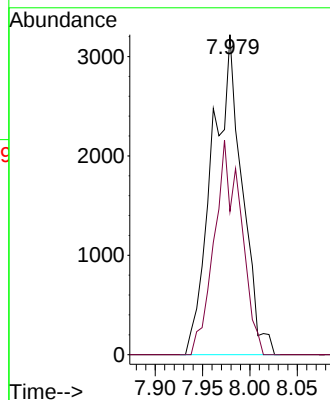
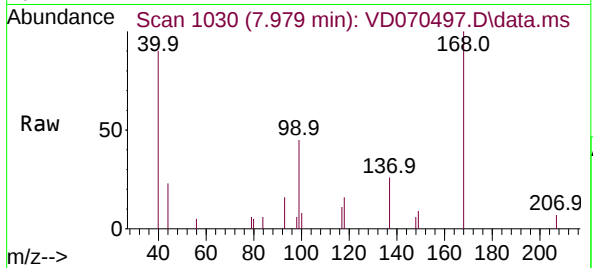




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

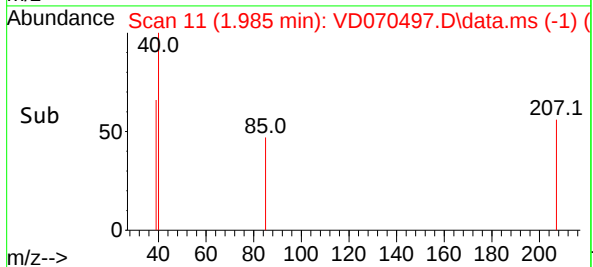
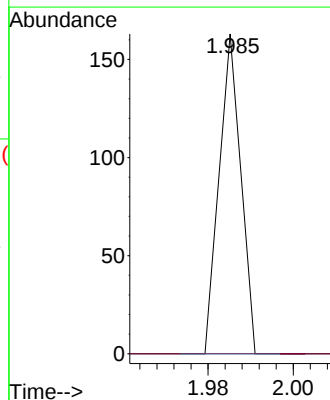
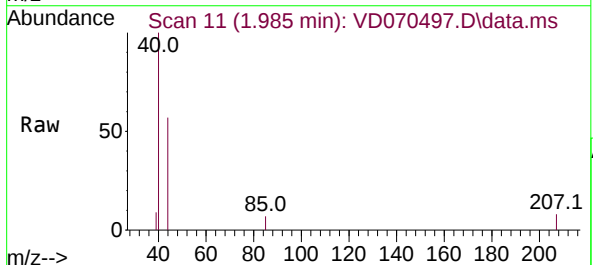
Instrument :
MSVOA_D
ClientSampleId :
PL-05-092421RE

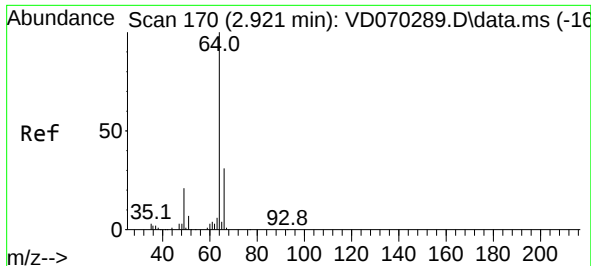
Tgt Ion:168 Resp: 7115
Ion Ratio Lower Upper
168 100
99 44.7 50.8 76.2#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

Tgt Ion: 85 Resp: 58
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

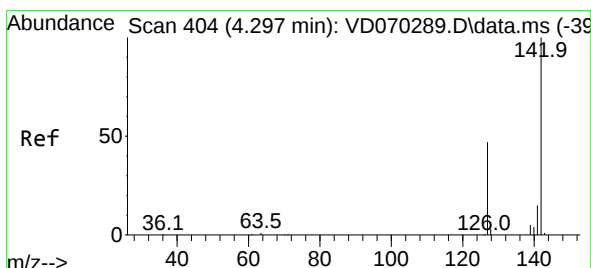
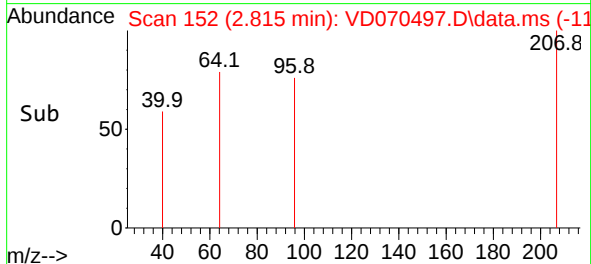
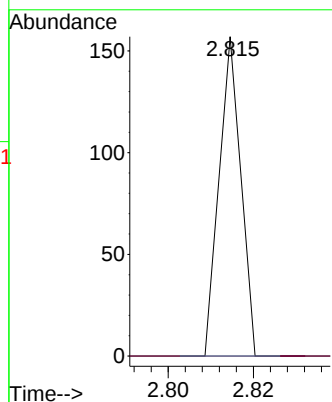
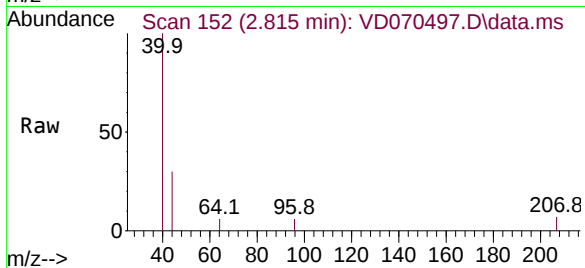




#6
Chloroethane
Concen: Below Cal
RT: 2.815 min Scan# 152
Delta R.T. -0.106 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

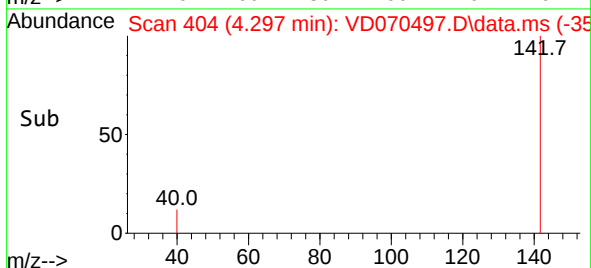
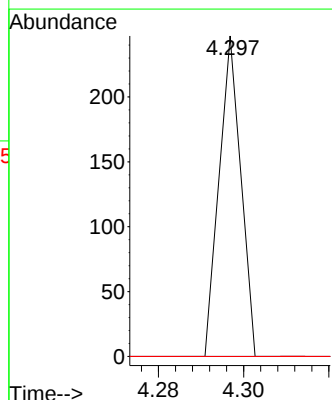
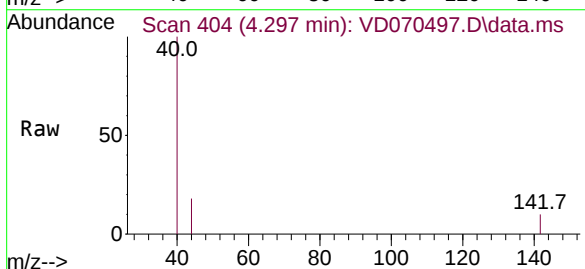
Instrument :
MSVOA_D
ClientSampleId :
PL-05-092421RE

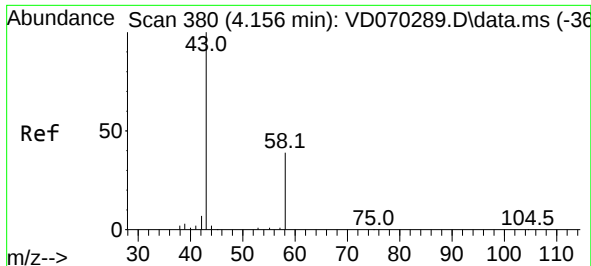
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.997 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

Tgt Ion: 142 Resp: 87
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

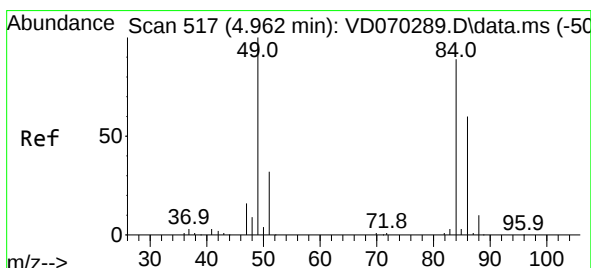
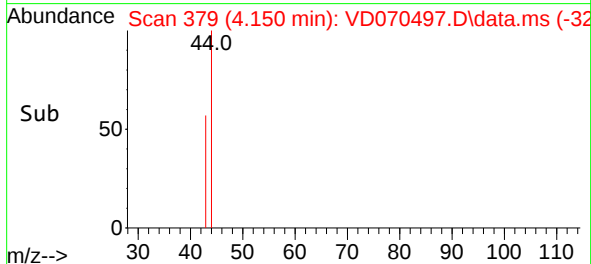
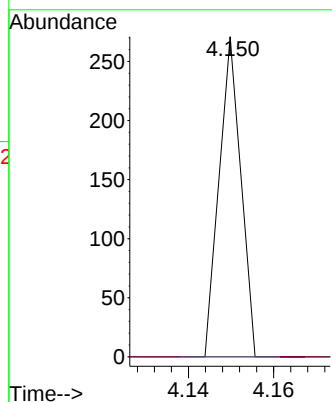
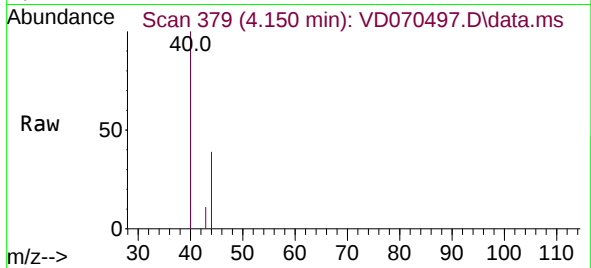




#16
Acetone
Concen: 5.886 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

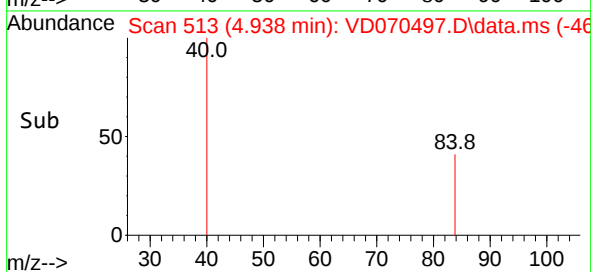
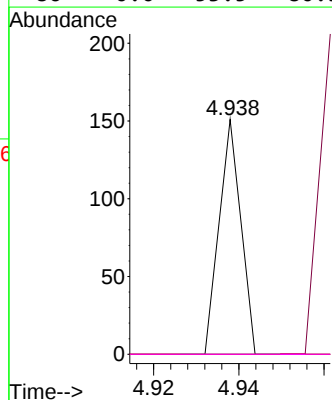
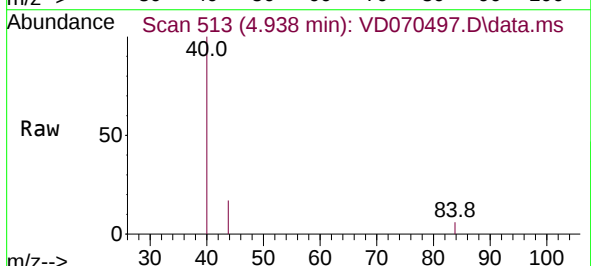
Instrument :
MSVOA_D
ClientSampleId :
PL-05-092421RE

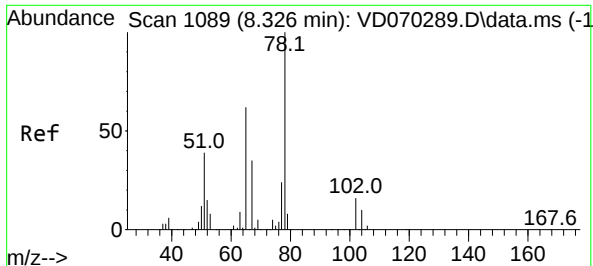
Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.938 min Scan# 513
Delta R.T. -0.024 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

Tgt Ion: 84 Resp: 53
Ion Ratio Lower Upper
84 100
49 0.0 89.6 134.4#
51 0.0 28.6 43.0#
86 0.0 53.5 80.3#

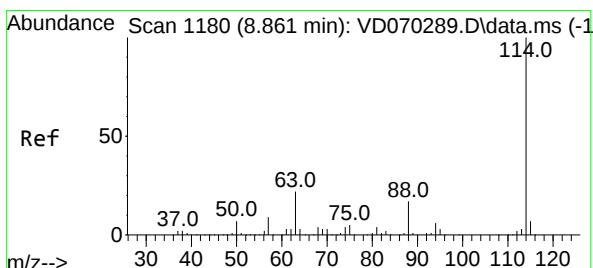
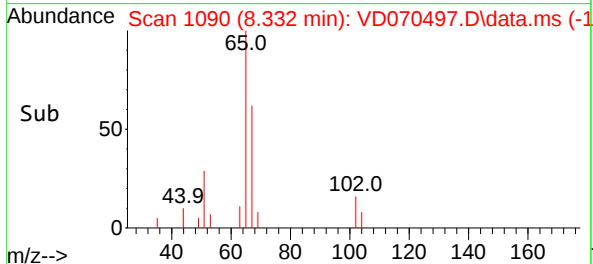
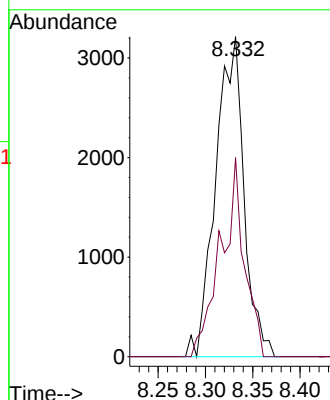
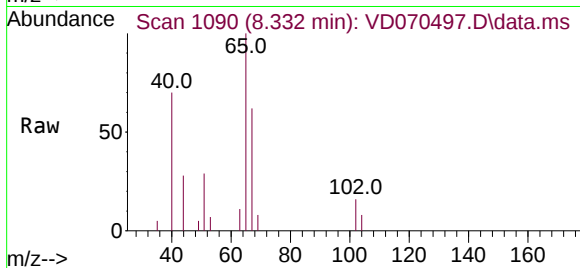




#33
1,2-Dichloroethane-d4
Concen: 73.141 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

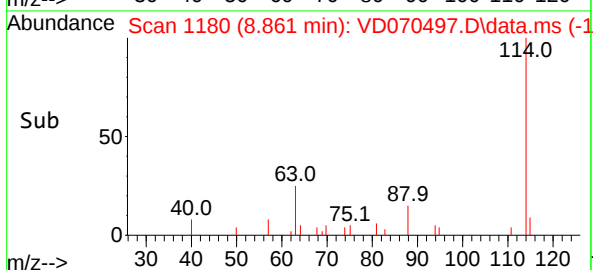
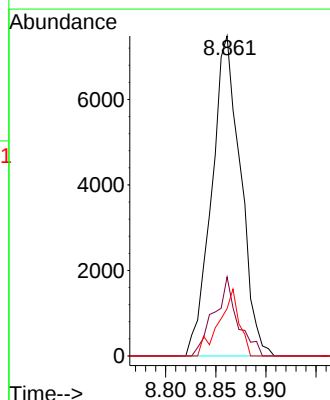
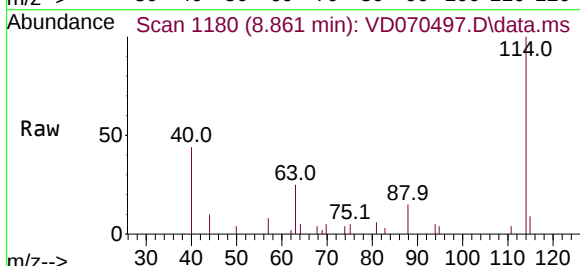
Instrument :
MSVOA_D
ClientSampleId :
PL-05-092421RE

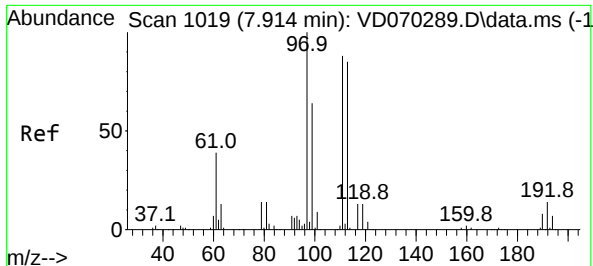
Tgt Ion: 65 Resp: 6682
Ion Ratio Lower Upper
65 100
67 51.8 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

Tgt Ion: 114 Resp: 14957
Ion Ratio Lower Upper
114 100
63 24.7 0.0 43.4
88 14.8 0.0 33.4



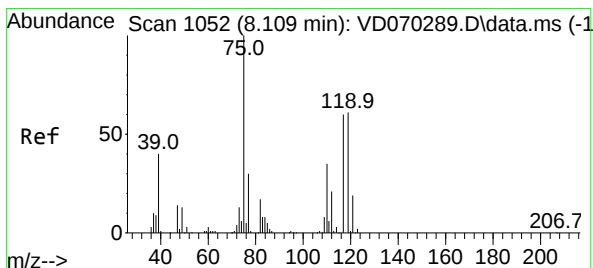
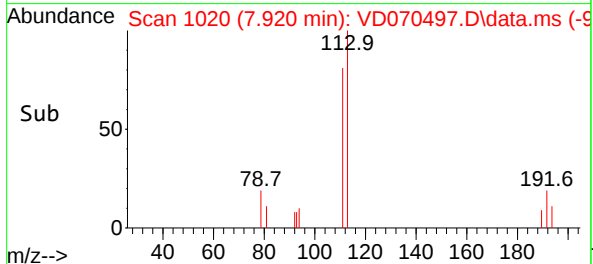
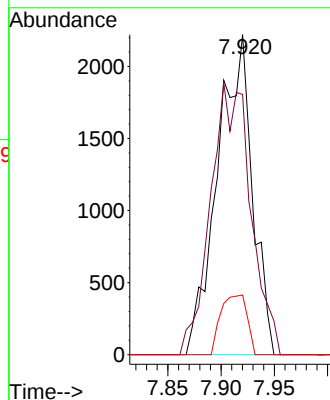
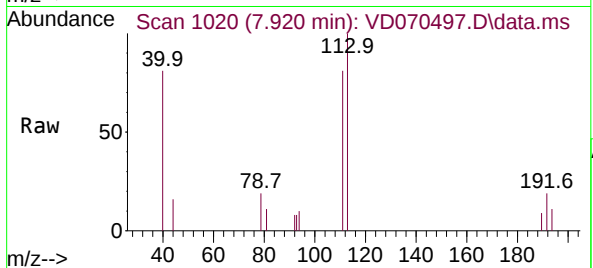


#35

Dibromofluoromethane
Concen: 47.536 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

Instrument :
MSVOA_D
ClientSampleId :
PL-05-092421RE

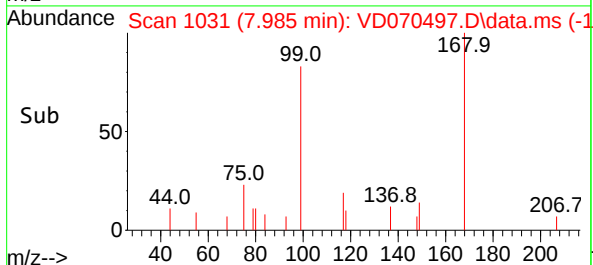
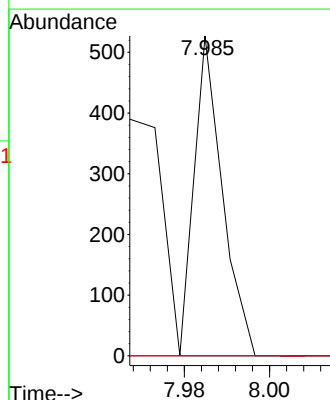
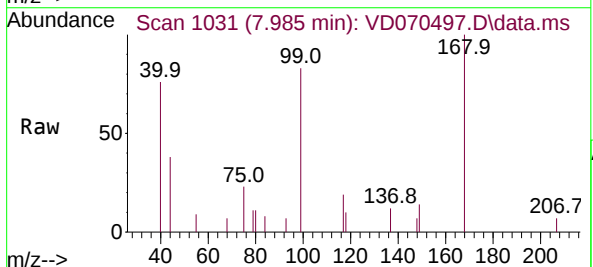
Tgt Ion:113 Resp: 5061
Ion Ratio Lower Upper
113 100
111 97.7 81.4 122.2
192 14.0 13.0 19.6

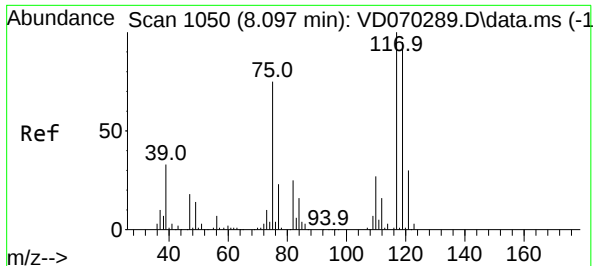


#36

1,1-Dichloropropene
Concen: 1.514 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

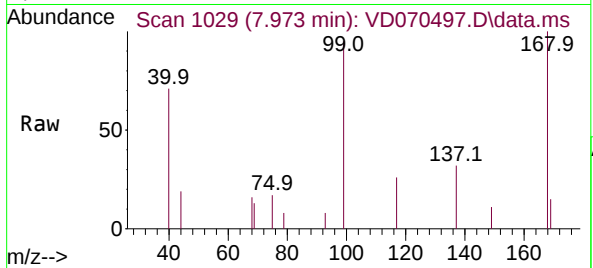
Tgt Ion: 75 Resp: 242
Ion Ratio Lower Upper
75 100
110 0.0 17.9 53.7#
77 0.0 25.3 37.9#



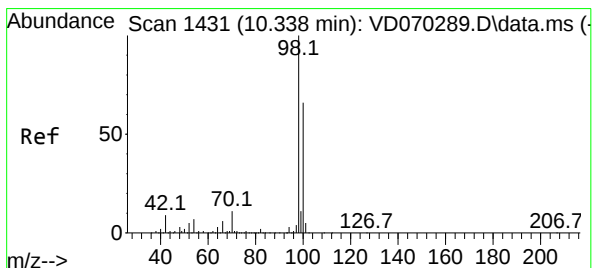
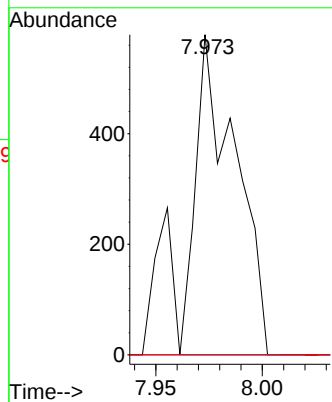
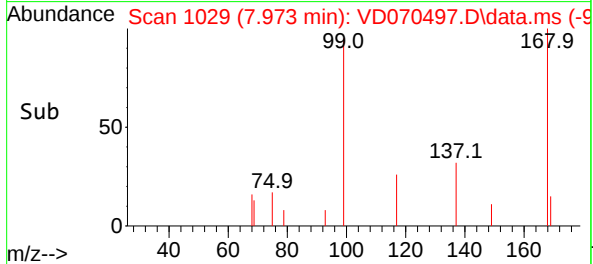


#38
Carbon Tetrachloride
Concen: 4.756 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

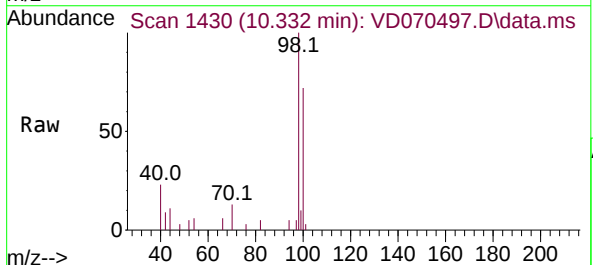
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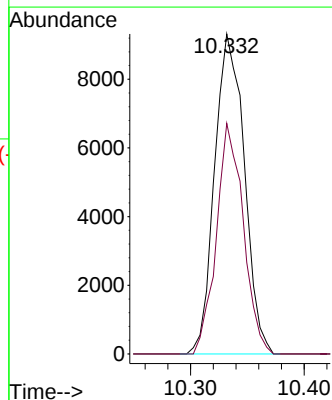
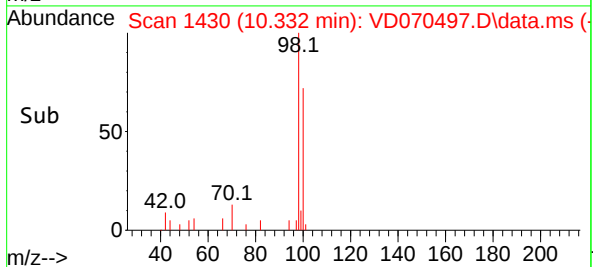
Tgt Ion:117 Resp: 752
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#

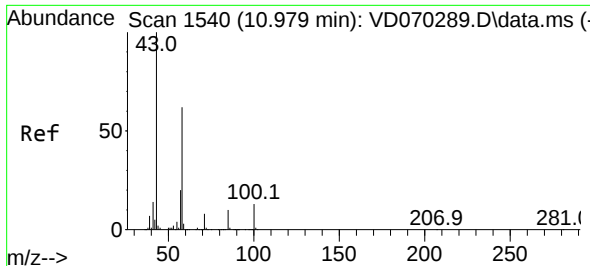


#50
Toluene-d8
Concen: 43.738 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41



Tgt Ion: 98 Resp: 16907
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

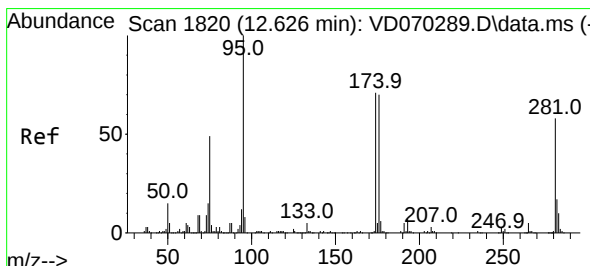
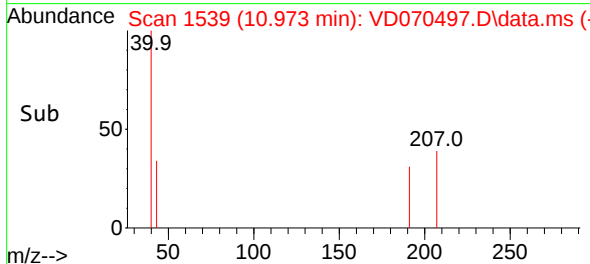
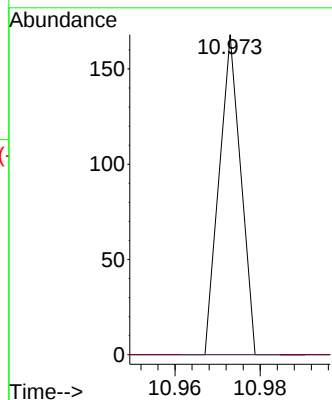
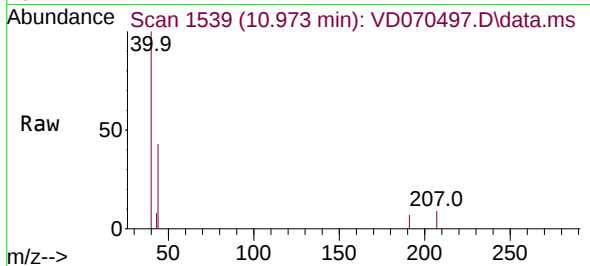




#59
2-Hexanone
Concen: 1.546 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

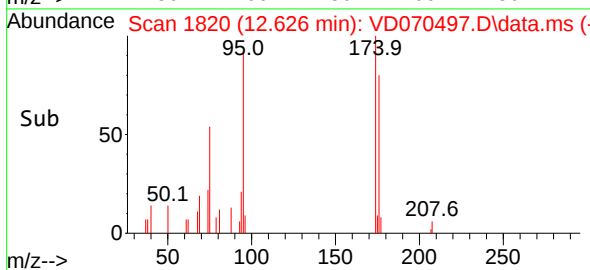
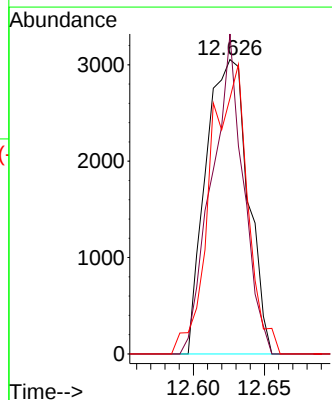
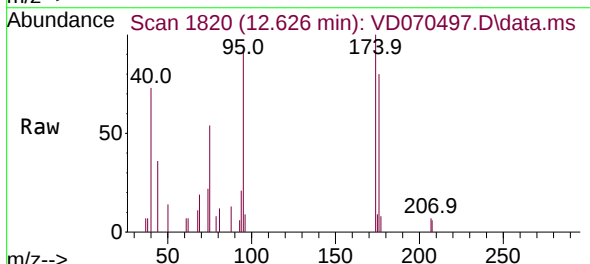
Instrument :
MSVOA_D
ClientSampleId :
PL-05-092421RE

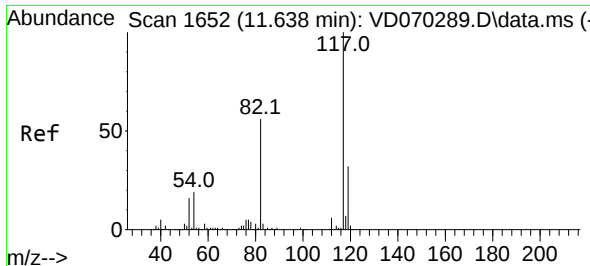
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 30.6 91.6#



#62
4-Bromofluorobenzene
Concen: 46.664 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

Tgt Ion: 95 Resp: 6304
Ion Ratio Lower Upper
95 100
174 81.4 0.0 140.6
176 87.1 0.0 137.4

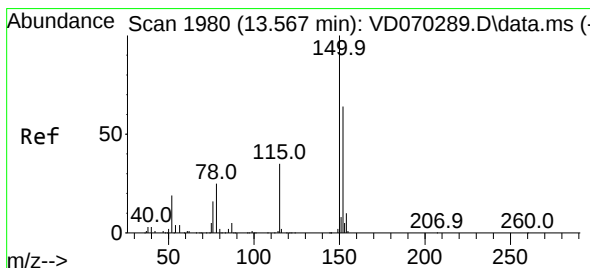
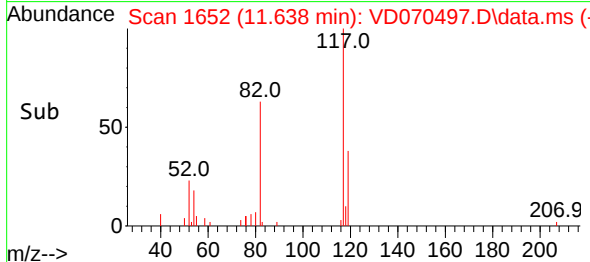
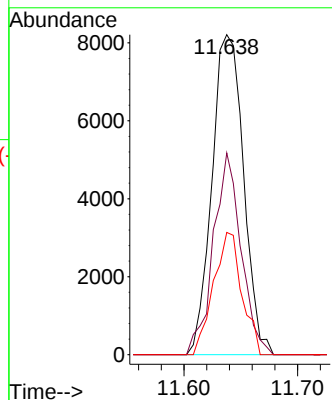
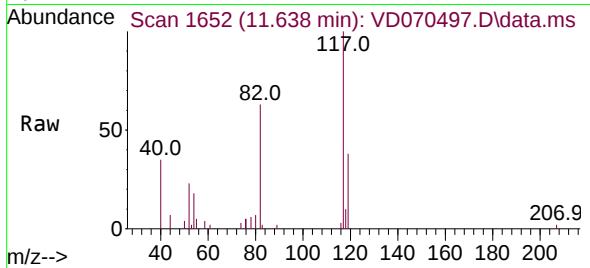




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

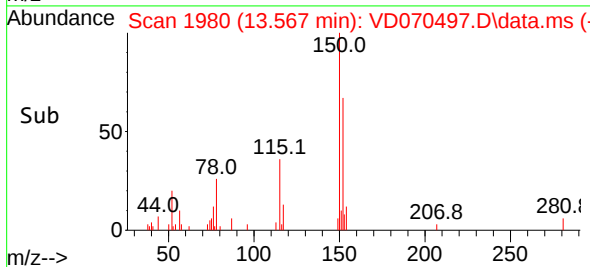
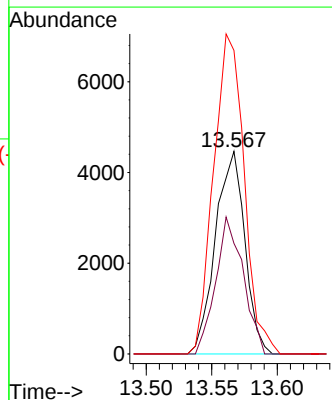
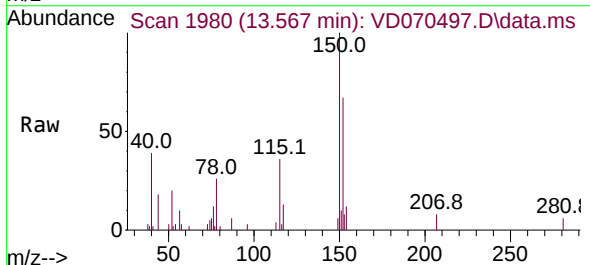
Instrument :
MSVOA_D
ClientSampleId :
PL-05-092421RE

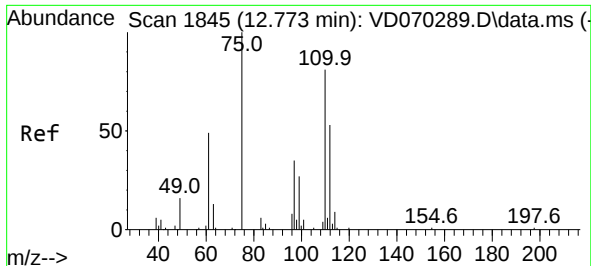
Tgt Ion:	117	Resp:	15870
Ion	Ratio	Lower	Upper
117	100		
82	63.0	45.0	67.4
119	38.2	25.2	37.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

Tgt Ion:	152	Resp:	6950
Ion	Ratio	Lower	Upper
152	100		
115	63.3	32.1	96.3
150	164.7	0.0	350.6

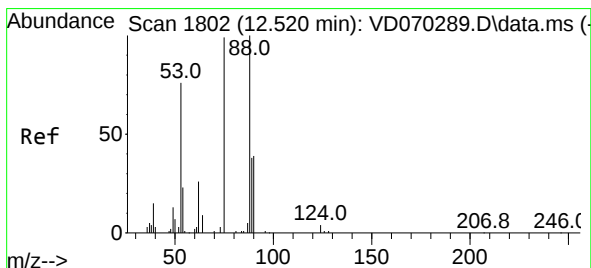
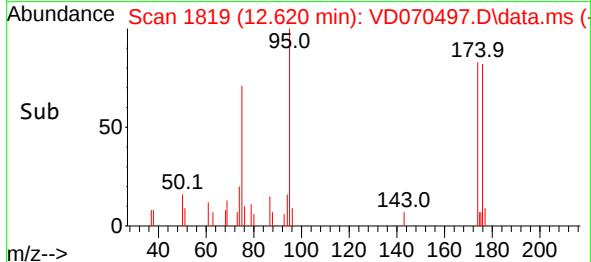
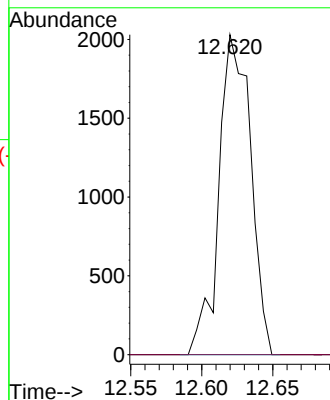
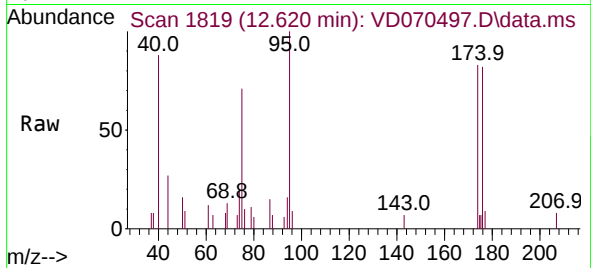




#76
1,2,3-Trichloropropane
Concen: 44.936 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

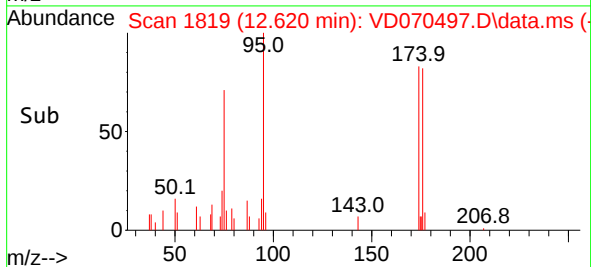
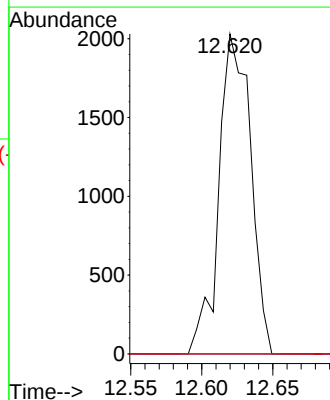
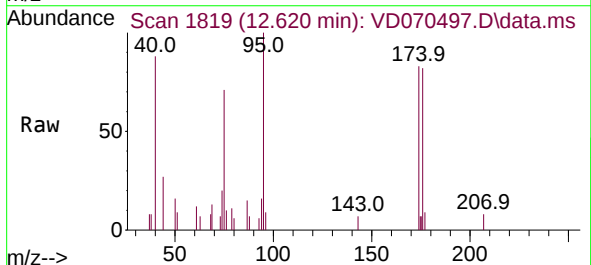
Instrument :
MSVOA_D
ClientSampleId :
PL-05-092421RE

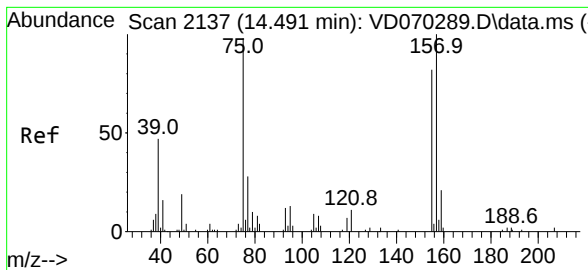
Tgt Ion: 75 Resp: 3159
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.591 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070497.D
Acq: 28 Sep 2021 12:41

Tgt Ion: 75 Resp: 3159
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.861 ug/l
 RT: 14.532 min Scan# 2144
 Delta R.T. 0.041 min
 Lab File: VD070497.D
 Acq: 28 Sep 2021 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 PL-05-092421RE

Tgt Ion: 75	Resp:	76
Ion Ratio	Lower	Upper
75	100	
155	0.0	40.3 120.9#
157	0.0	48.9 146.6#

