

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091021\
 Data File : VD070298.D
 Acq On : 10 Sep 2021 14:25
 Operator : VA/SY
 Sample : M3691-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 11 02:25:31 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)

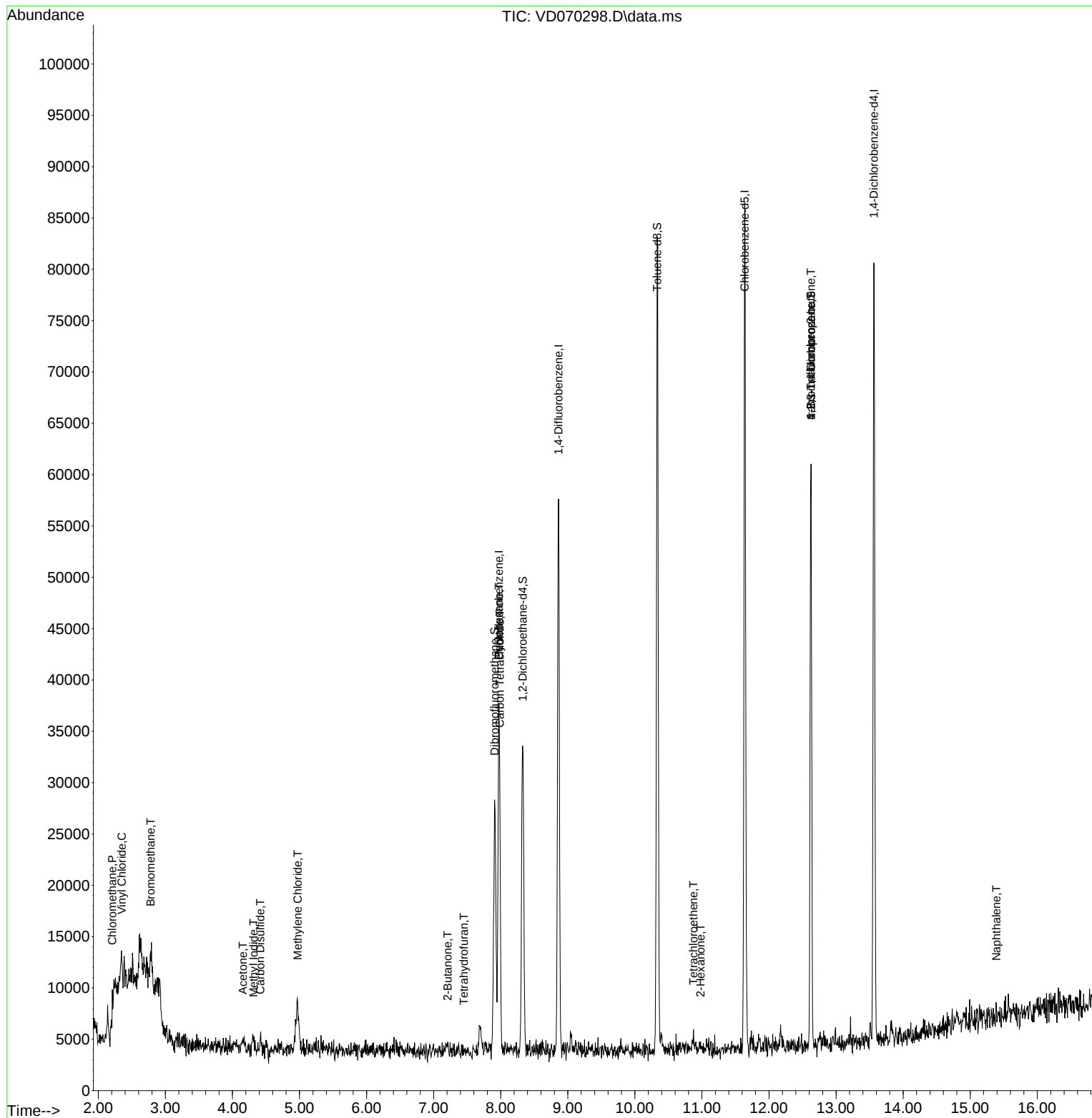
Internal Standards						
1) Pentafluorobenzene	7.973	168	22686	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	44031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	46328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	22272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	24735	84.914	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 169.820%#			
35) Dibromofluoromethane	7.909	113	17340	55.325	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.660%			
50) Toluene-d8	10.332	98	56088	49.289	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.580%			
62) 4-Bromofluorobenzene	12.626	95	19129	48.099	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	99	Below Cal	#	46
3) Chloromethane	2.209	50	1781	1.912	ug/l #	73
4) Vinyl Chloride	2.350	62	510	1.429	ug/l	99
5) Bromomethane	2.779	94	2483	6.977	ug/l	84
6) Chloroethane	2.921	64	280	Below Cal	#	43
10) Methyl Iodide	4.315	142	1633	6.726	ug/l #	65
16) Acetone	4.156	43	1937	37.246	ug/l #	83
17) Carbon Disulfide	4.415	76	976	1.002	ug/l #	74
20) Methylene Chloride	4.973	84	4281	6.956	ug/l #	77
25) 2-Butanone	7.209	43	86	1.242	ug/l #	47
29) Tetrahydrofuran	7.450	42	57	1.283	ug/l #	29
31) Cyclohexane	7.973	56	911	1.816	ug/l #	1
38) Carbon Tetrachloride	7.985	117	2739	5.885	ug/l #	12
59) 2-Hexanone	10.979	43	154	1.371	ug/l #	20
64) Tetrachloroethene	10.873	164	424	1.503	ug/l #	45
76) 1,2,3-Trichloropropane	12.626	75	9841	43.683	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	9841	109.451	ug/l #	17
95) Naphthalene	15.391	128	1234	1.900	ug/l #	69

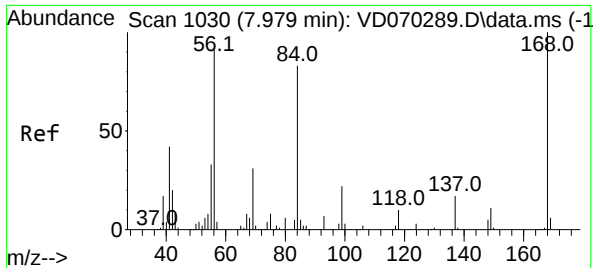
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 11 02:25:31 2021
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Quant Title : SW846 8260
QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

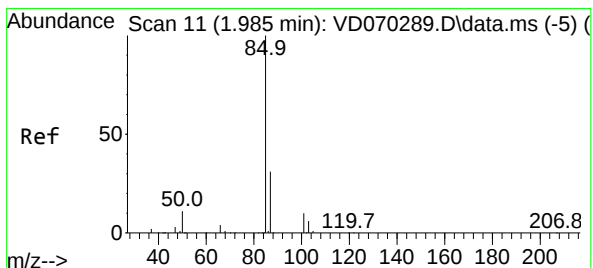
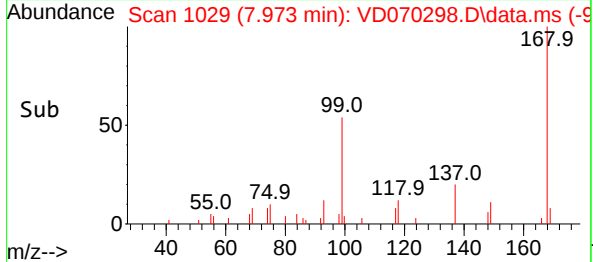
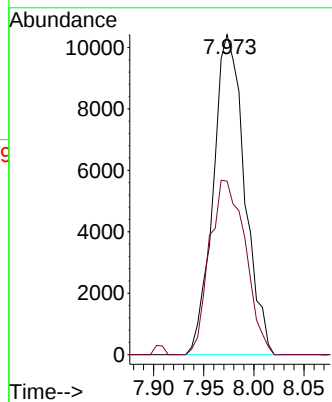
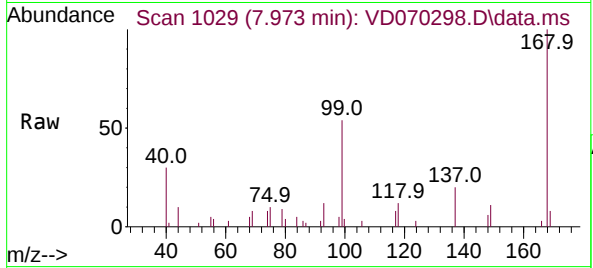




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

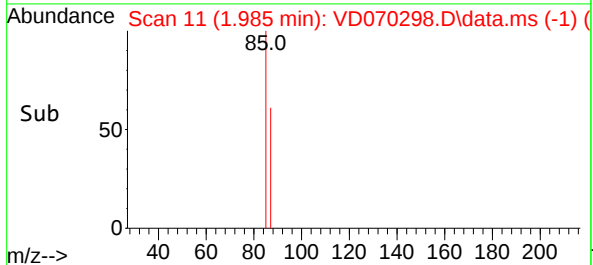
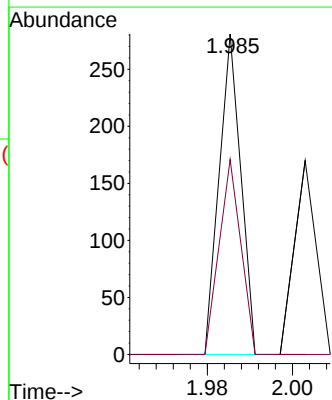
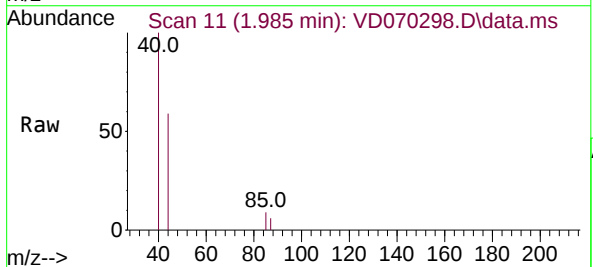
Instrument :
MSVOA_D
ClientSampled :

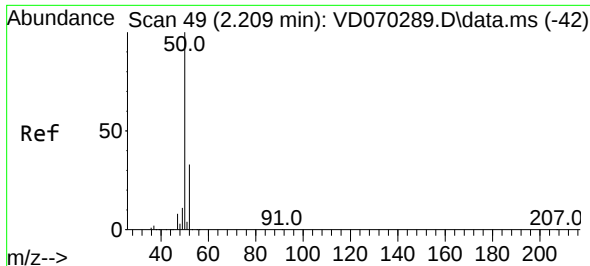
Tgt Ion:168 Resp: 22686
Ion Ratio Lower Upper
168 100
99 54.2 50.8 76.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion: 85 Resp: 99
Ion Ratio Lower Upper
85 100
87 60.9 15.6 46.8#

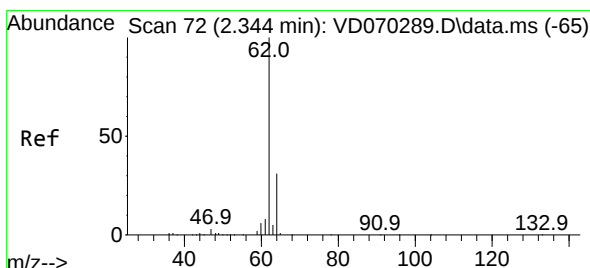
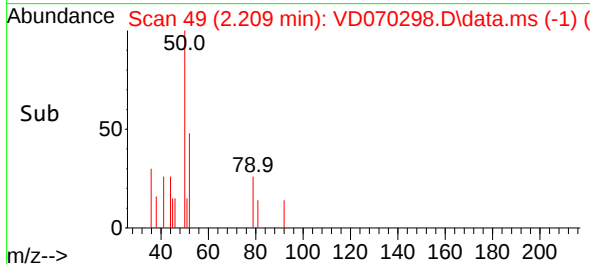
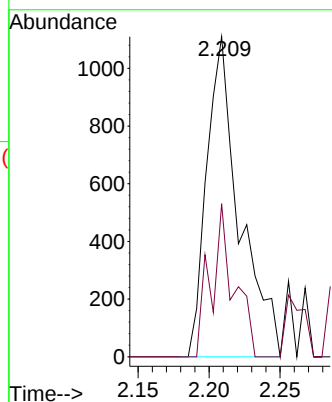
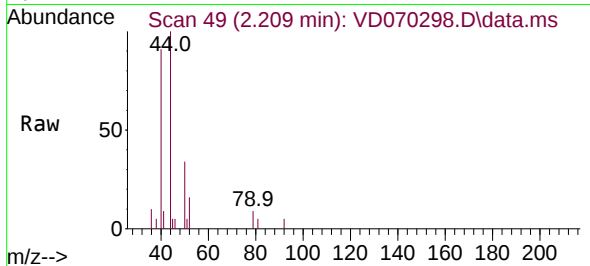




#3
Chloromethane
Concen: 1.912 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

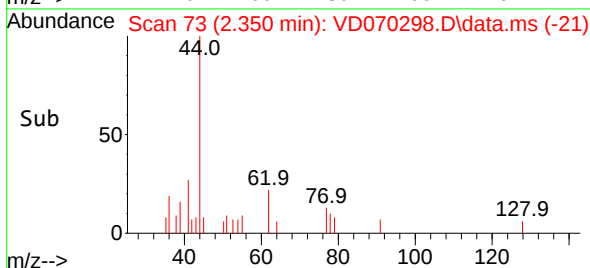
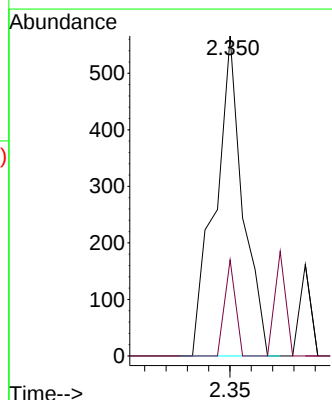
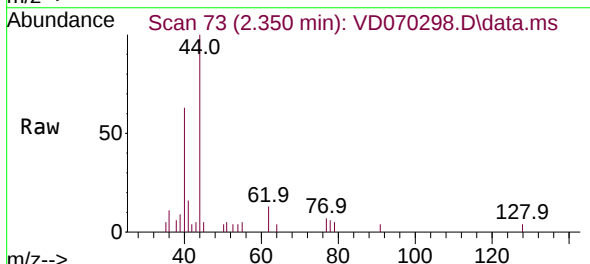
Instrument :
MSVOA_D
ClientSampled :

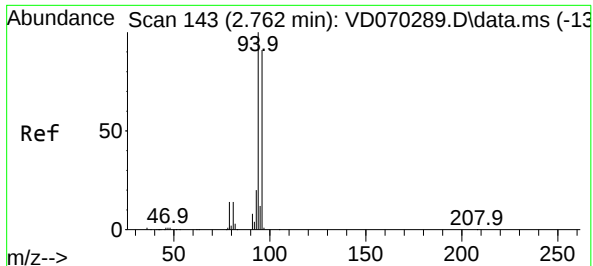
Tgt Ion: 50 Resp: 1781
Ion Ratio Lower Upper
50 100
52 47.8 26.2 39.2#



#4
Vinyl Chloride
Concen: 1.429 ug/l
RT: 2.350 min Scan# 73
Delta R.T. 0.006 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion: 62 Resp: 510
Ion Ratio Lower Upper
62 100
64 30.0 24.6 36.8

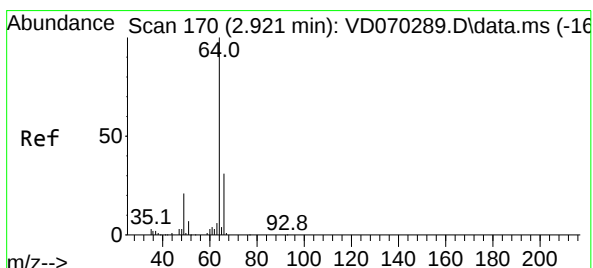
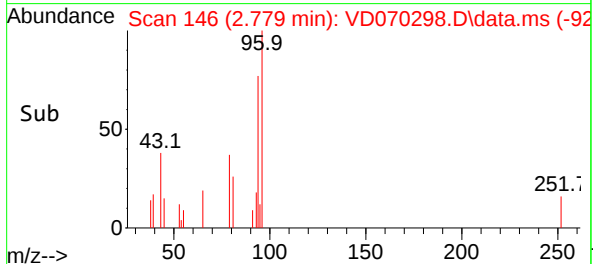
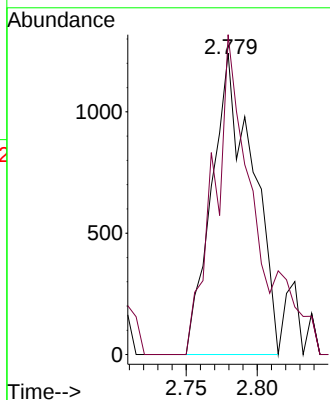
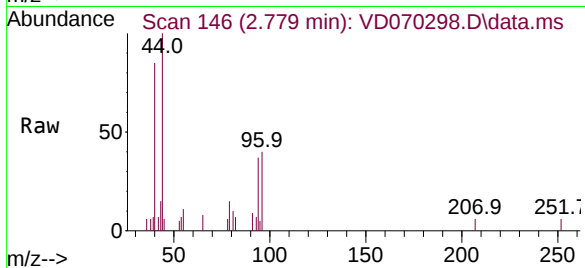




#5
Bromomethane
Concen: 6.977 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

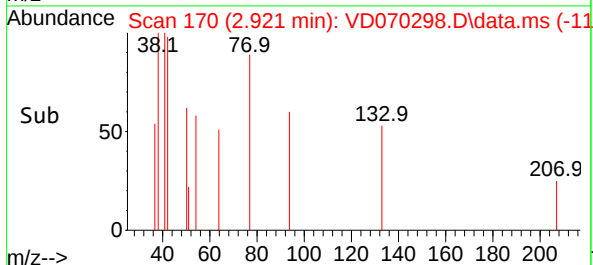
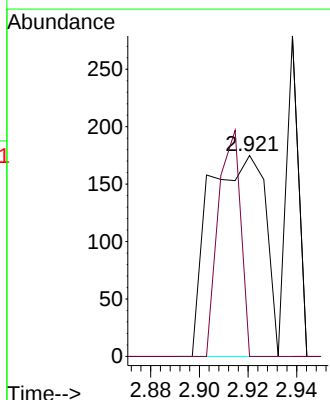
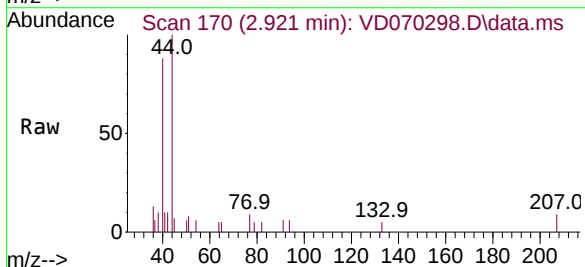
Instrument :
MSVOA_D
ClientSampleId :

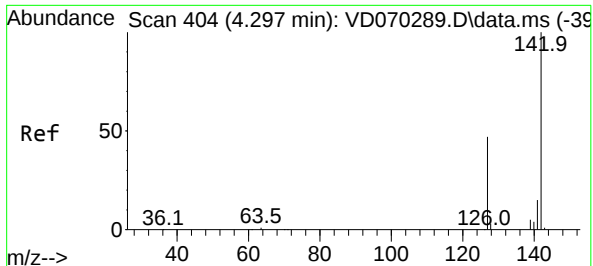
Tgt Ion: 94 Resp: 2483
Ion Ratio Lower Upper
94 100
96 106.1 73.0 109.6



#6
Chloroethane
Concen: Below Cal
RT: 2.921 min Scan# 170
Delta R.T. -0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion: 64 Resp: 280
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

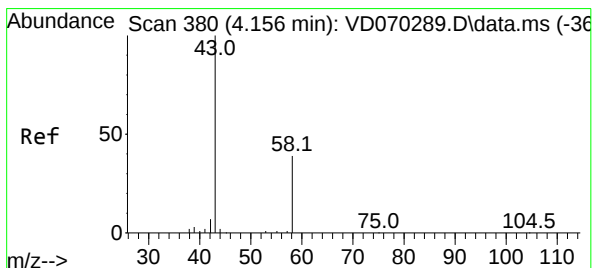
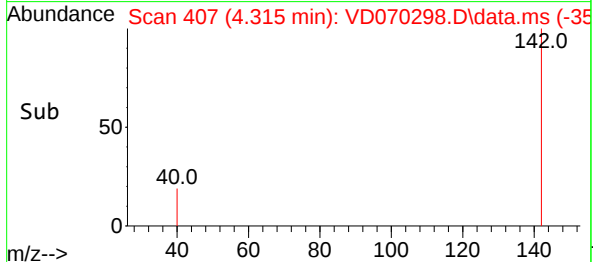
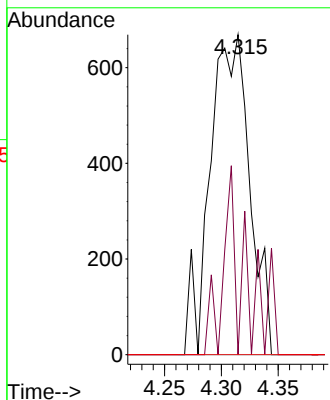
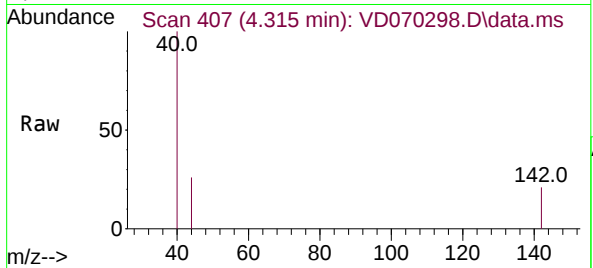




#10
Methyl Iodide
Concen: 6.726 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

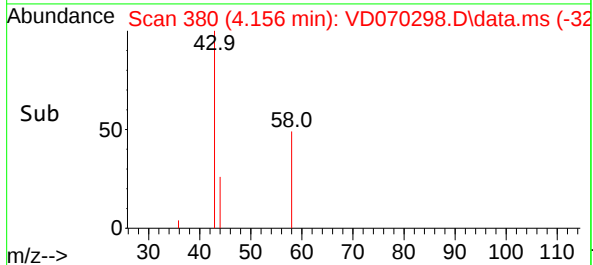
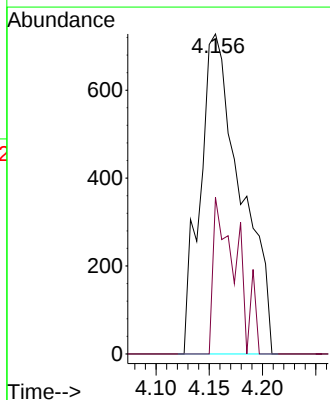
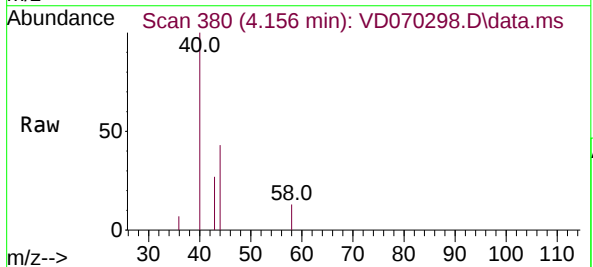
Instrument :
MSVOA_D
ClientSampled :

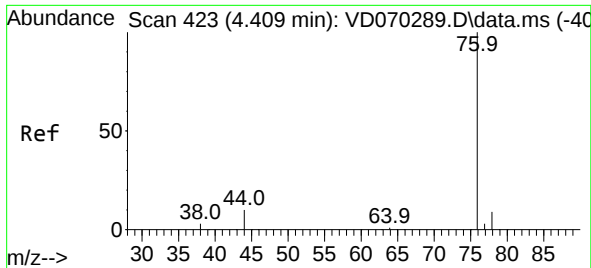
Tgt Ion:142 Resp: 1633
Ion Ratio Lower Upper
142 100
127 23.3 36.9 55.3#
141 0.0 11.8 17.6#



#16
Acetone
Concen: 37.246 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
58 48.9 30.9 46.3#

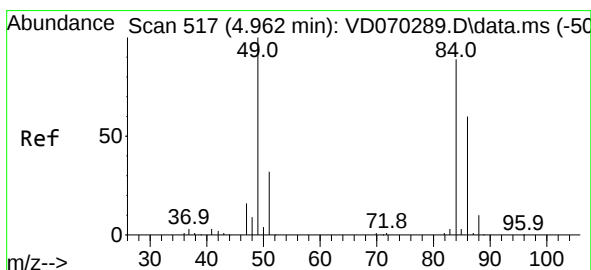
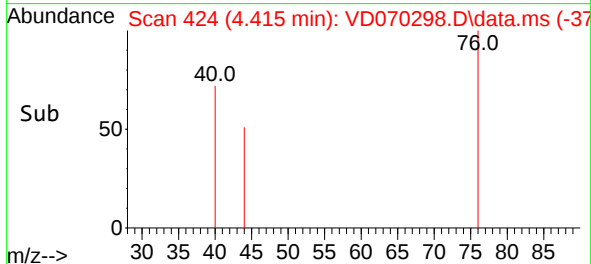
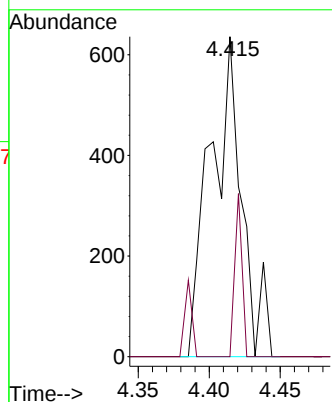
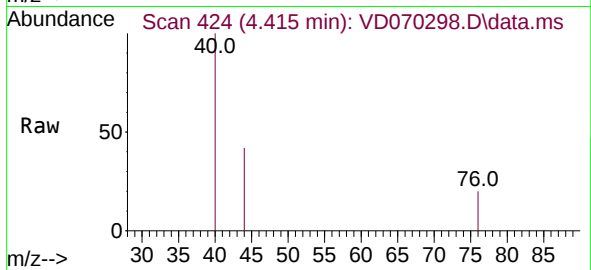




#17
Carbon Disulfide
Concen: 1.002 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

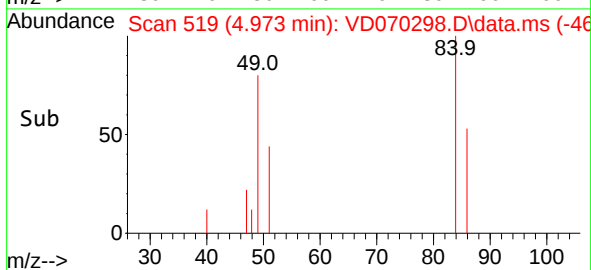
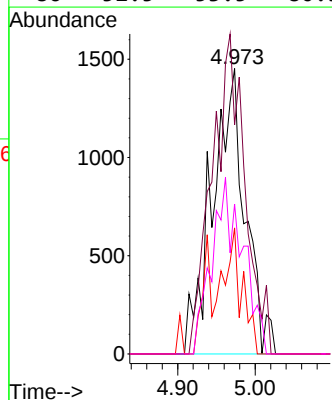
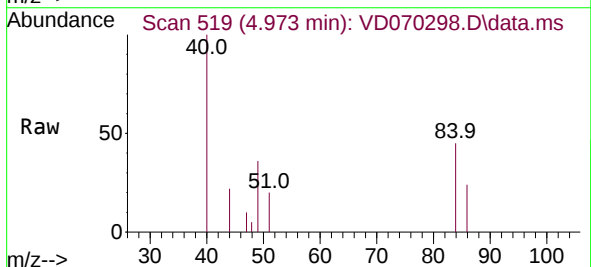
Instrument :
MSVOA_D
ClientSampled :

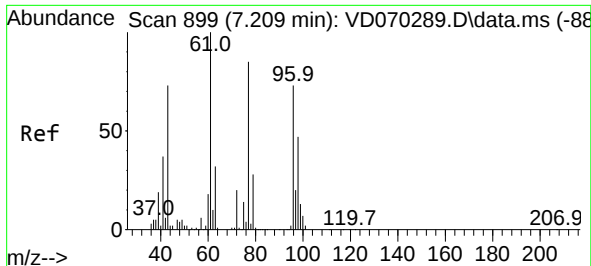
Tgt Ion: 76 Resp: 976
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 6.956 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion: 84 Resp: 4281
Ion Ratio Lower Upper
84 100
49 80.2 89.6 134.4#
51 44.2 28.6 43.0#
86 52.5 53.5 80.3#

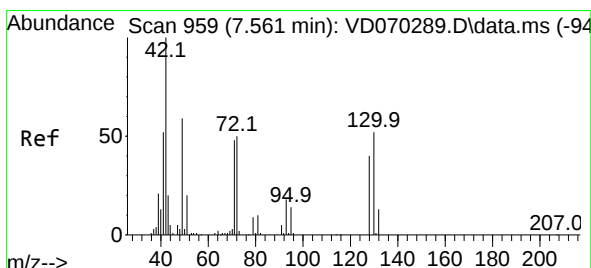
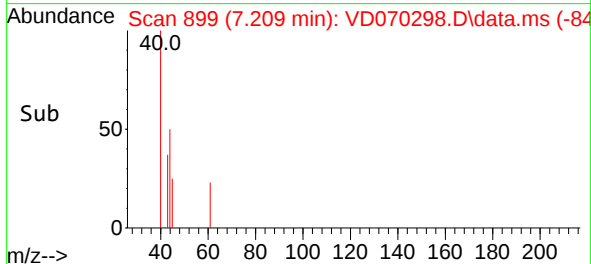
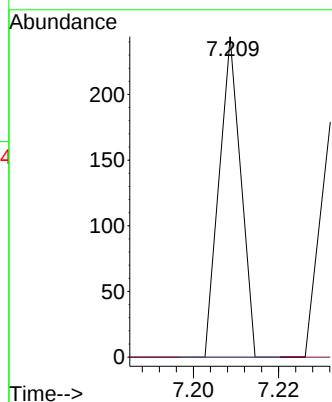
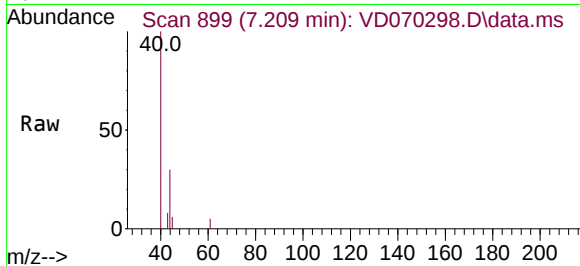




#25
2-Butanone
Concen: 1.242 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

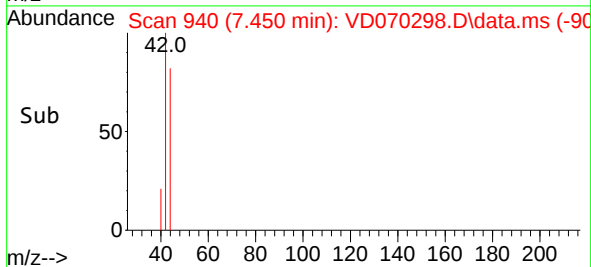
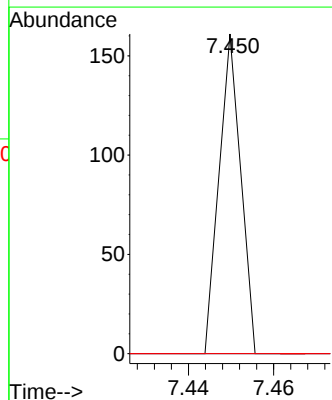
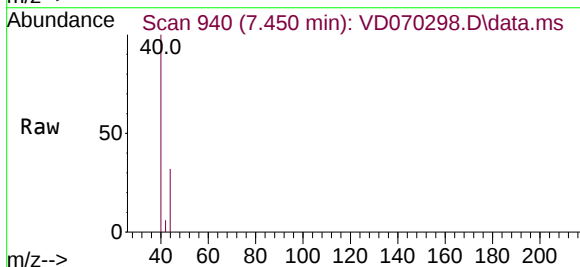
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MSVOA_D
ClientSampled :

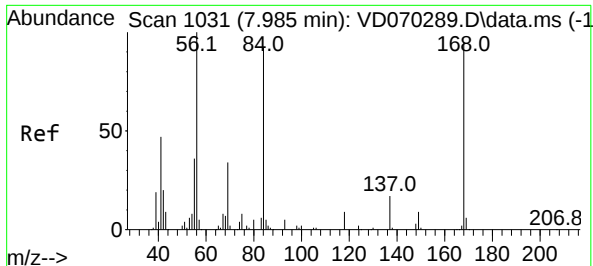
Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#



#29
Tetrahydrofuran
Concen: 1.283 ug/l
RT: 7.450 min Scan# 940
Delta R.T. -0.112 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 38.8 58.2#
71 0.0 37.8 56.6#

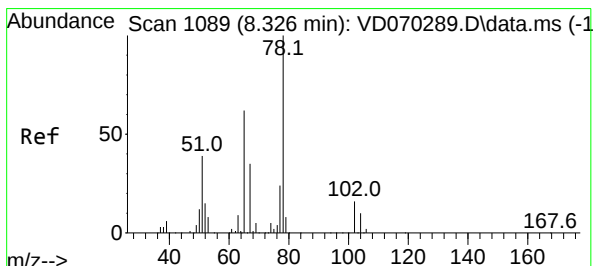
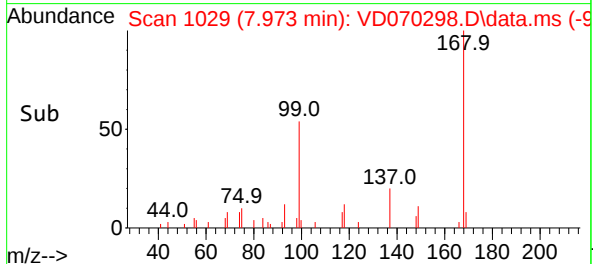
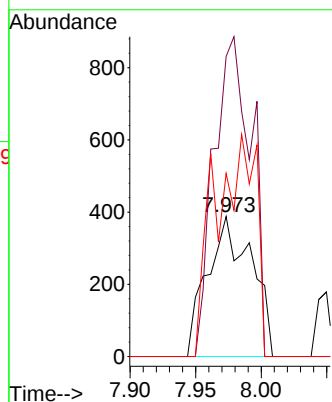
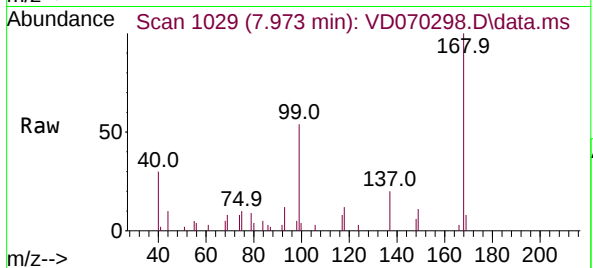




#31
Cyclohexane
Concen: 1.816 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

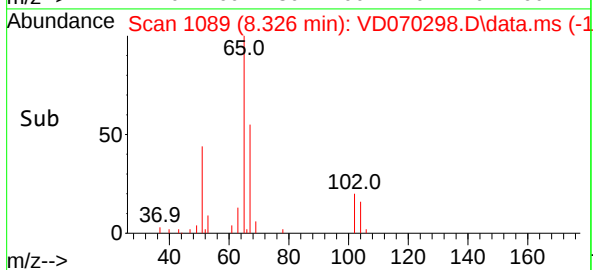
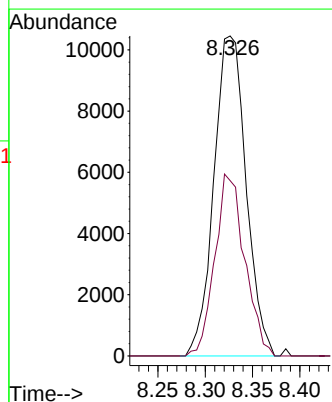
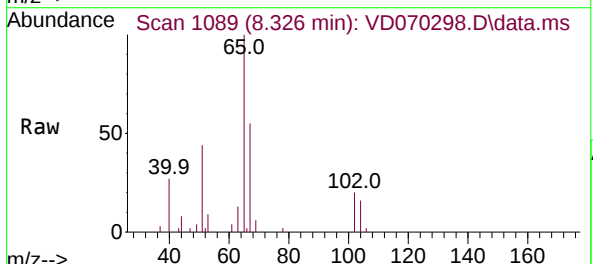
Instrument :
MSVOA_D
ClientSampleId :

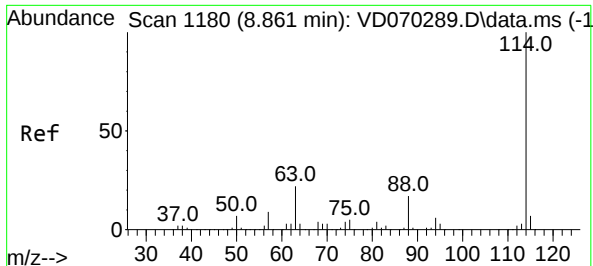
Tgt Ion: 56 Resp: 911
Ion Ratio Lower Upper
56 100
69 214.2 26.9 40.3#
84 130.7 73.6 110.4#



#33
1,2-Dichloroethane-d4
Concen: 84.914 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion: 65 Resp: 24735
Ion Ratio Lower Upper
65 100
67 52.7 0.0 111.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

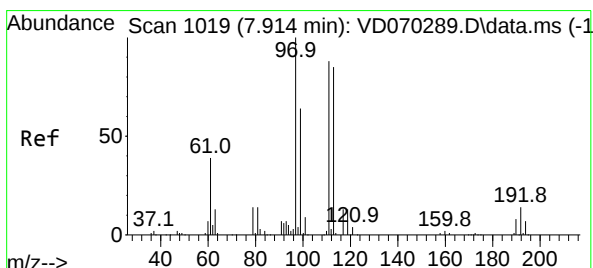
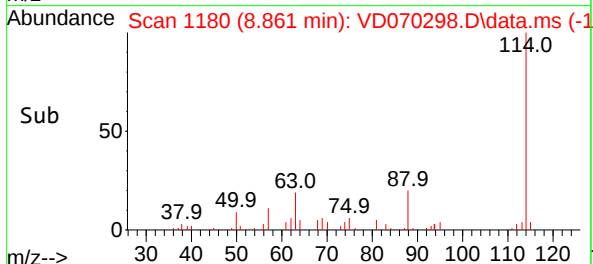
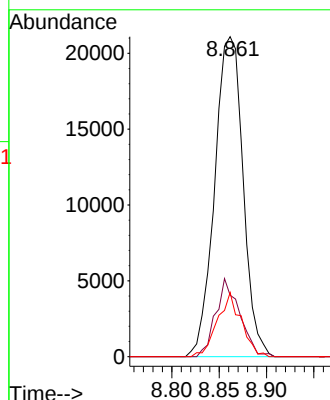
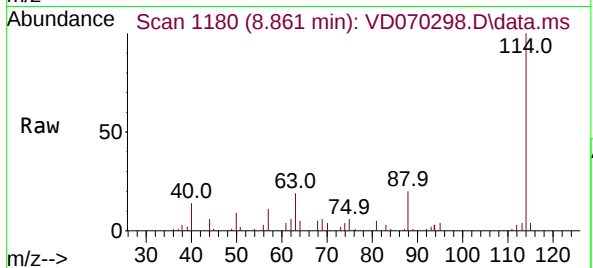
Delta R.T. 0.000 min

Lab File: VD070298.D

Acq: 10 Sep 2021 14:25

Tgt Ion:	114	Resp:	44031
Ion Ratio	Lower	Upper	
114	100		
63	19.2	0.0	43.4
88	20.1	0.0	33.4

Instrument :
MSVOA_D
ClientSampleId :



#35

Dibromofluoromethane

Concen: 55.325 ug/l

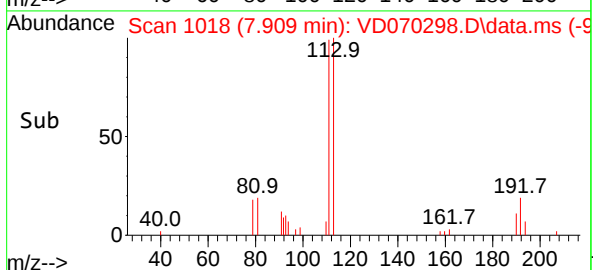
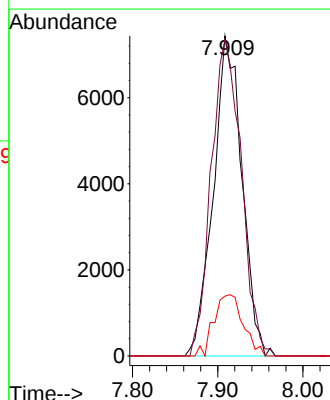
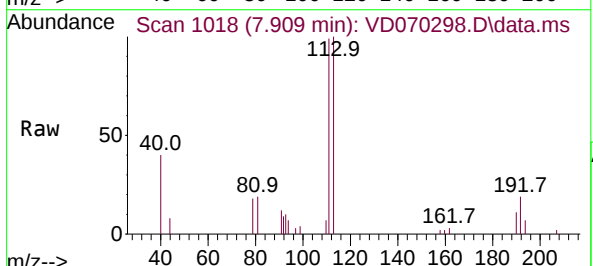
RT: 7.909 min Scan# 1018

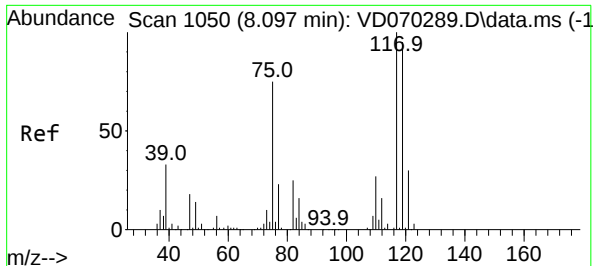
Delta R.T. -0.006 min

Lab File: VD070298.D

Acq: 10 Sep 2021 14:25

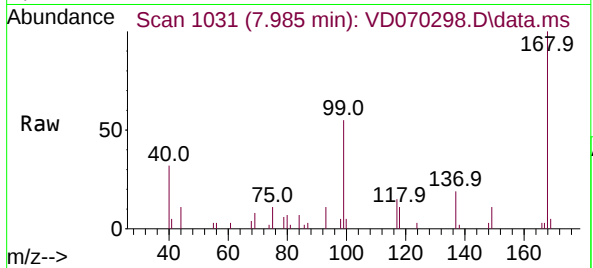
Tgt Ion:	113	Resp:	17340
Ion Ratio	Lower	Upper	
113	100		
111	104.2	81.4	122.2
192	19.6	13.0	19.6#



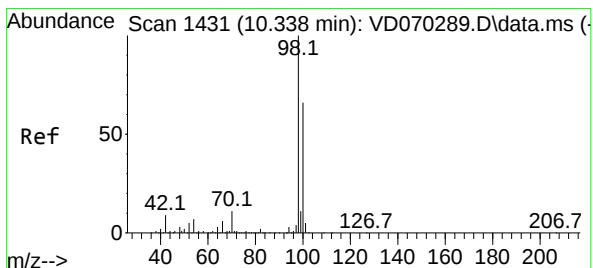
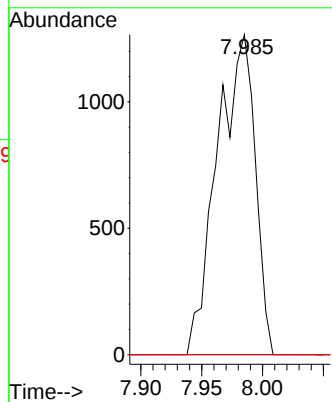
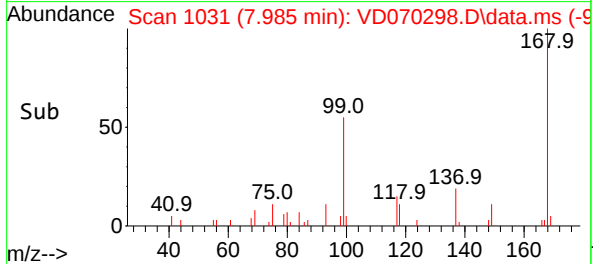


#38
Carbon Tetrachloride
Concen: 5.885 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

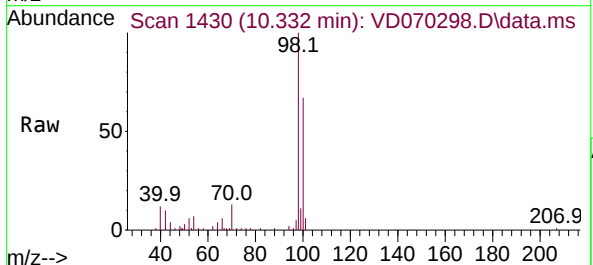
Instrument :
MSVOA_D
ClientSampled :



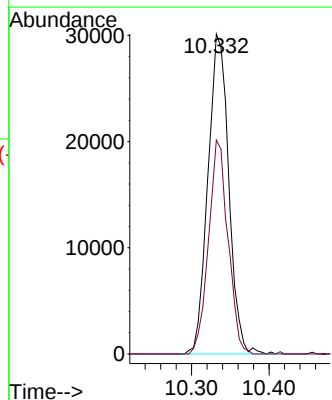
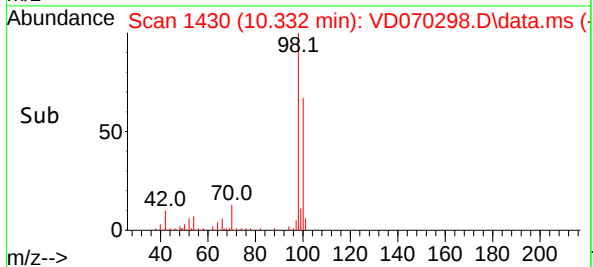
Tgt Ion:117 Resp: 2739
Ion Ratio Lower Upper
117 100
119 0.0 76.1 114.1#
121 0.0 23.8 35.6#

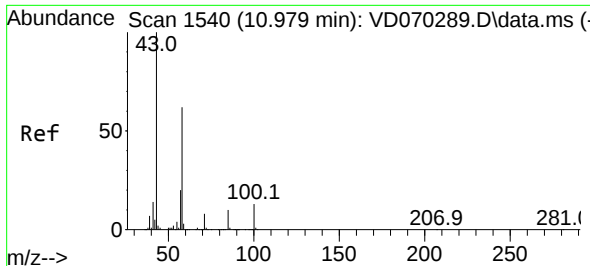


#50
Toluene-d8
Concen: 49.289 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25



Tgt Ion: 98 Resp: 56088
Ion Ratio Lower Upper
98 100
100 62.5 52.0 78.0

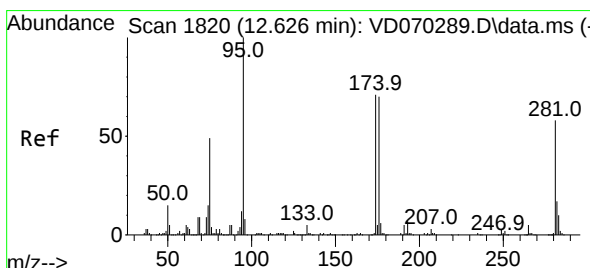
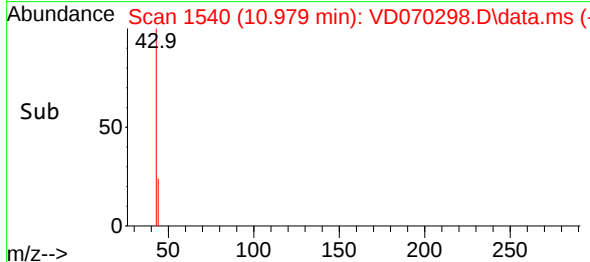
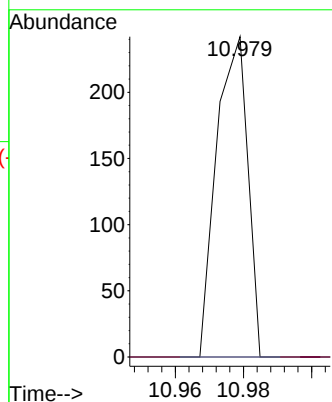
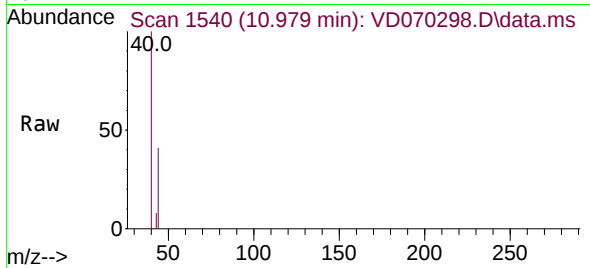




#59
2-Hexanone
Concen: 1.371 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

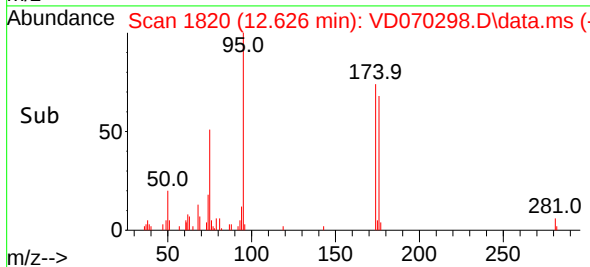
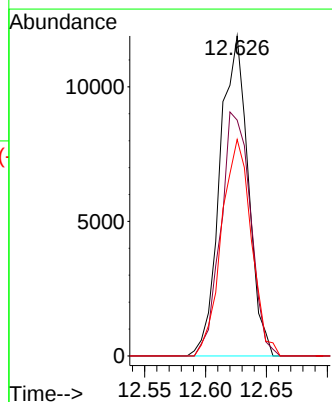
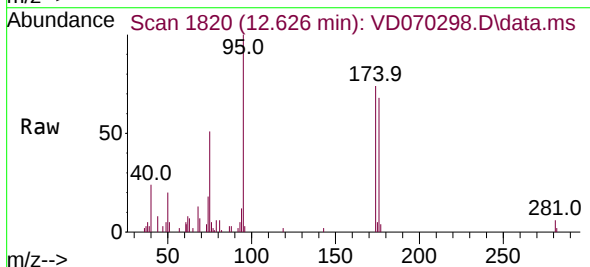
Instrument :
MSVOA_D
ClientSampled :

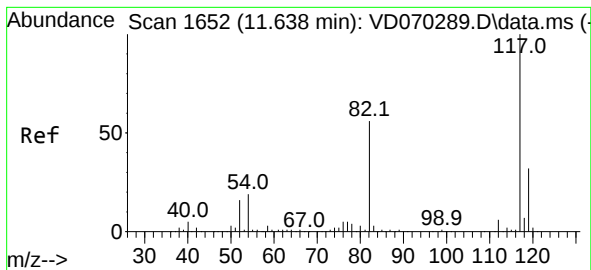
Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
58 0.0 30.6 91.6#



#62
4-Bromofluorobenzene
Concen: 48.099 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion: 95 Resp: 19129
Ion Ratio Lower Upper
95 100
174 80.3 0.0 140.6
176 71.6 0.0 137.4

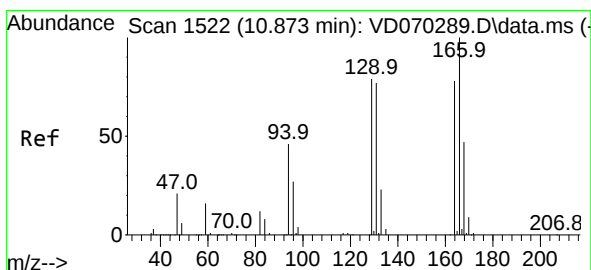
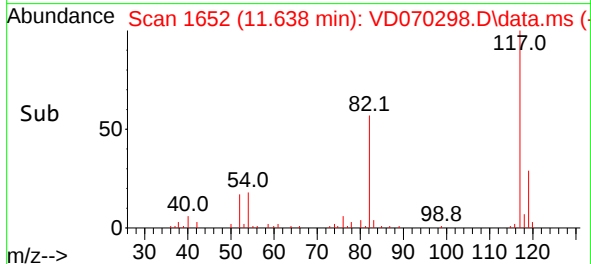
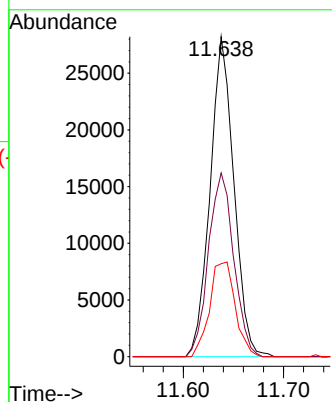
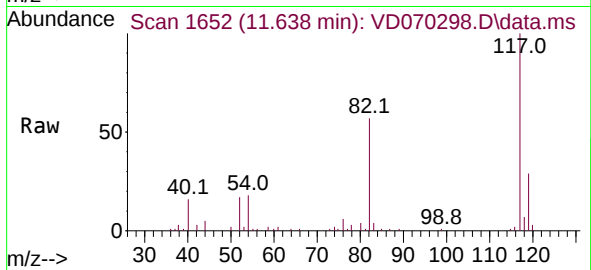




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

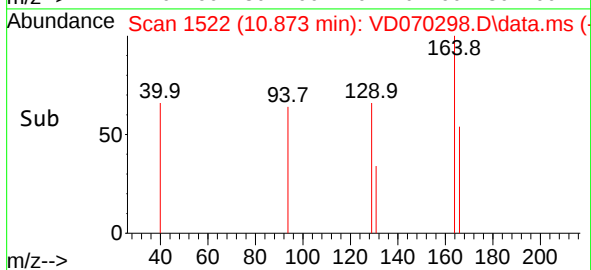
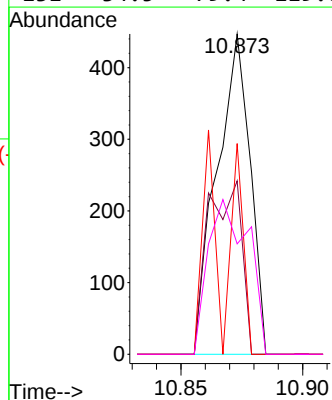
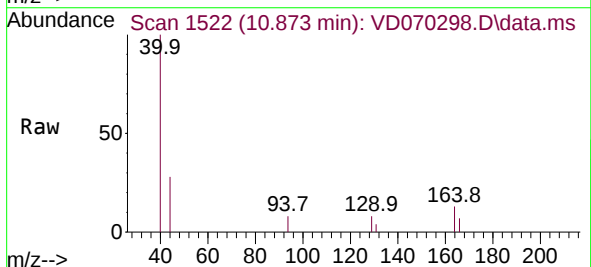
Instrument :
MSVOA_D
ClientSampled :

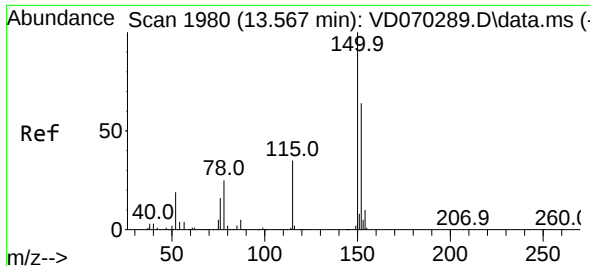
Tgt Ion:117 Resp: 46328
Ion Ratio Lower Upper
117 100
82 57.4 45.0 67.4
119 29.0 25.2 37.8



#64
Tetrachloroethene
Concen: 1.503 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion:164 Resp: 424
Ion Ratio Lower Upper
164 100
166 54.1 102.4 153.6#
129 65.8 80.9 121.3#
131 34.5 79.4 119.0#

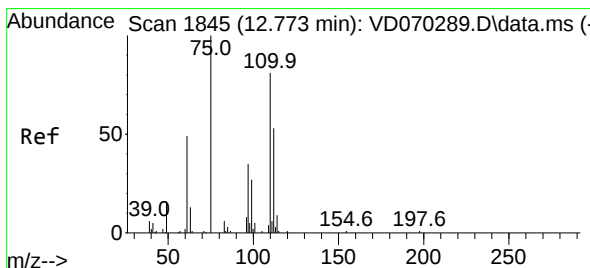
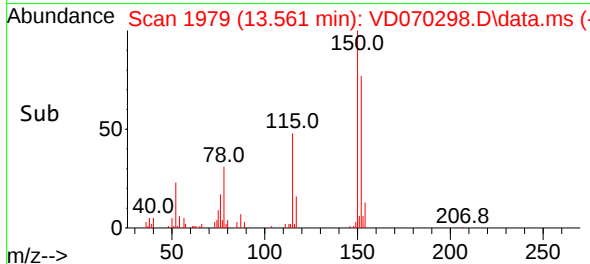
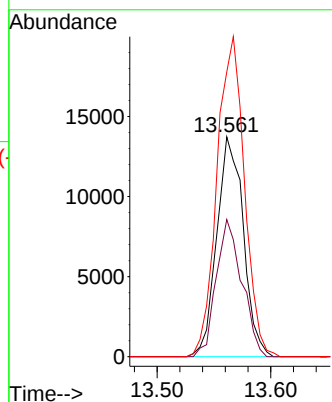
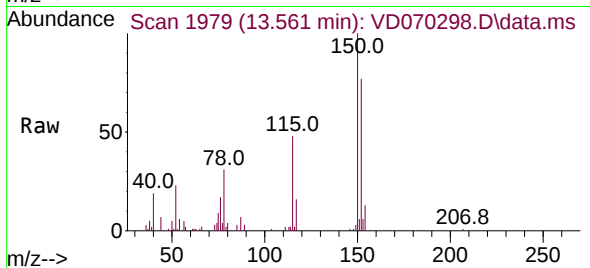




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.006 min
 Lab File: VD070298.D
 Acq: 10 Sep 2021 14:25

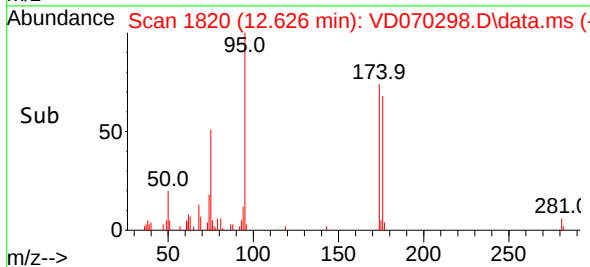
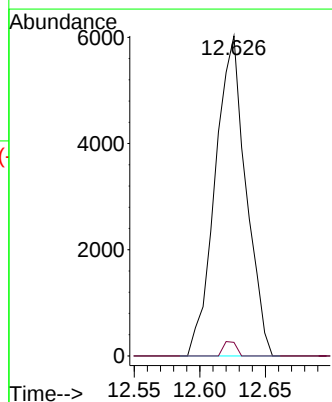
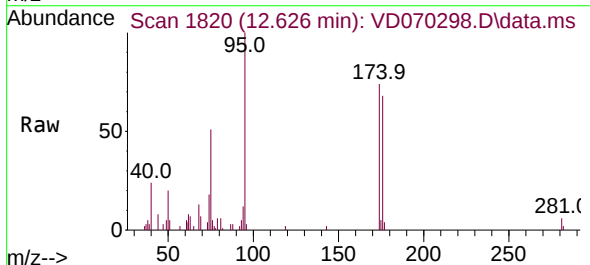
Instrument :
 MSVOA_D
 ClientSampleId :

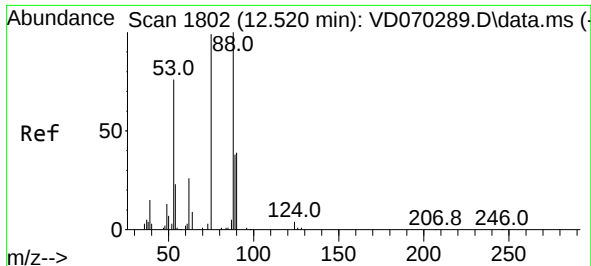
Tgt Ion:152 Resp: 22272
 Ion Ratio Lower Upper
 152 100
 115 60.6 32.1 96.3
 150 150.5 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 43.683 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070298.D
 Acq: 10 Sep 2021 14:25

Tgt Ion: 75 Resp: 9841
 Ion Ratio Lower Upper
 75 100
 77 1.9 174.9 524.7#

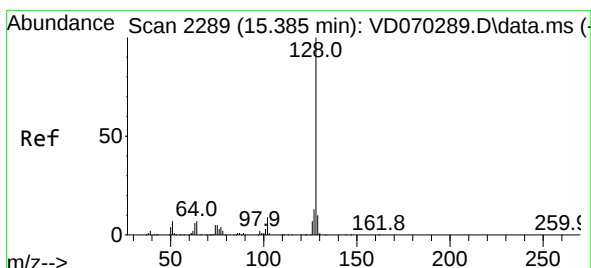
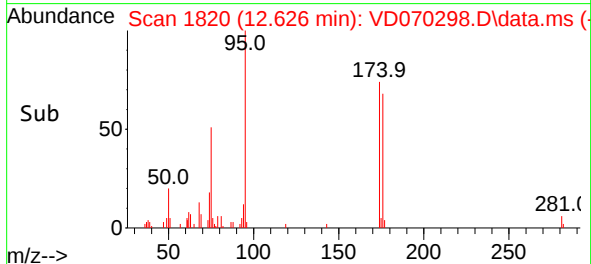
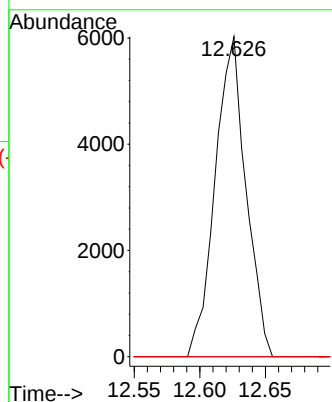
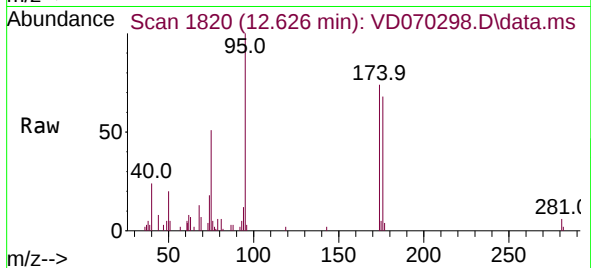




#81
trans-1,4-Dichloro-2-butene
Concen: 109.451 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 9841
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 1.900 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070298.D
Acq: 10 Sep 2021 14:25

Tgt Ion: 128 Resp: 1234
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.4#

