

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091321\
 Data File : VD070336.D
 Acq On : 13 Sep 2021 19:48
 Operator : VA/SY
 Sample : M3687-25
 Misc : 5.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A015015

Quant Time: Sep 14 00:56:42 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)

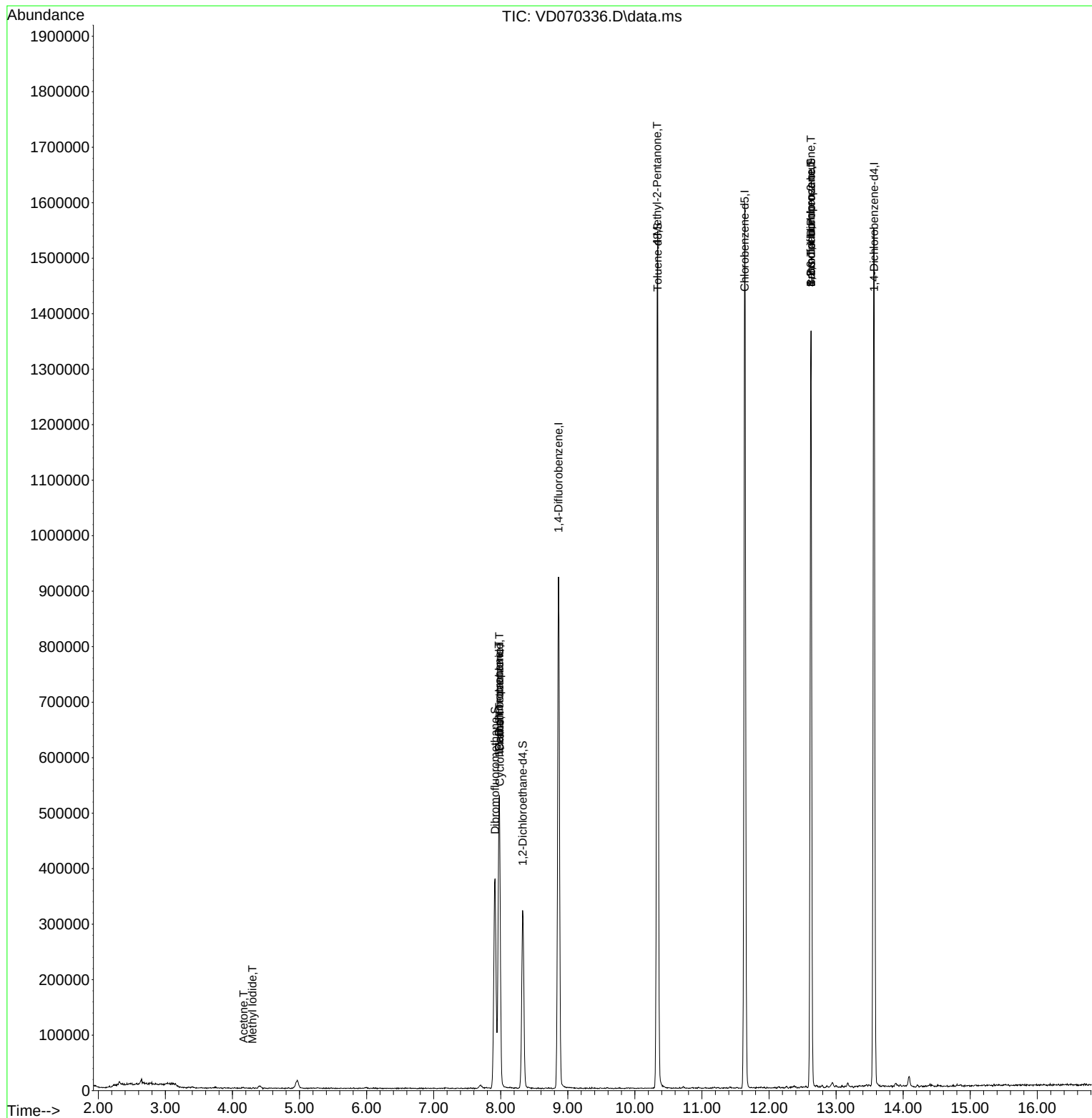
Internal Standards						
1) Pentafluorobenzene	7.979	168	378424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	779224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	902907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	417392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	258914	53.285	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.560%			
35) Dibromofluoromethane	7.914	113	276223	49.800	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.600%			
50) Toluene-d8	10.338	98	1042800	51.782	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.626	95	435101	61.821	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 123.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	133	Below Cal	#	43
3) Chloromethane	2.227	50	735	Below Cal		97
5) Bromomethane	2.779	94	1840	Below Cal	#	56
6) Chloroethane	2.962	64	114	Below Cal	#	43
10) Methyl Iodide	4.297	142	75	1.045 ug/l	#	53
16) Acetone	4.168	43	1544	1.780 ug/l	#	82
18) Methyl Acetate	4.891	43	54	Below Cal	#	48
20) Methylene Chloride	4.968	84	11772	Below Cal	#	87
31) Cyclohexane	7.985	56	9178	1.097 ug/l	#	9
36) 1,1-Dichloropropene	7.973	75	34090	4.093 ug/l	#	48
38) Carbon Tetrachloride	7.979	117	41053	4.984 ug/l	#	17
51) 4-Methyl-2-Pentanone	10.332	43	4403	1.478 ug/l	#	1
71) Bromoform	12.626	173	3876	1.145 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	210564	49.873 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	210564	124.962 ug/l	#	17

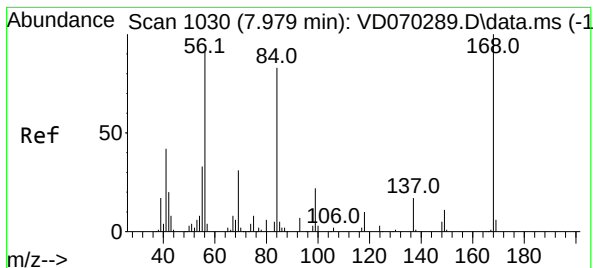
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070336.D

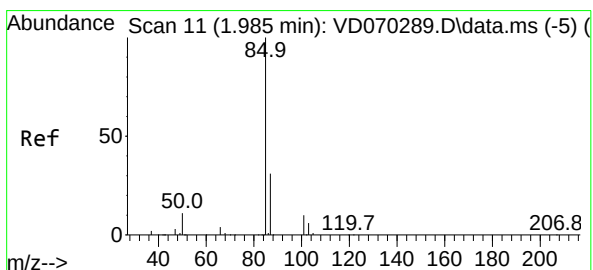
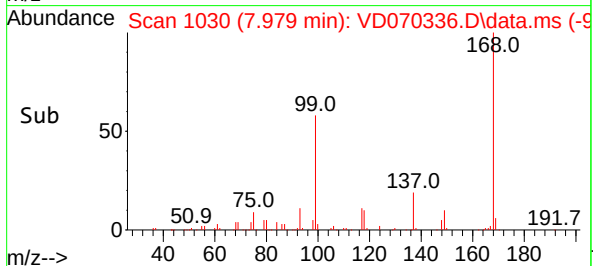
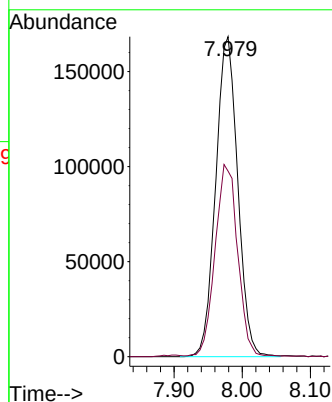
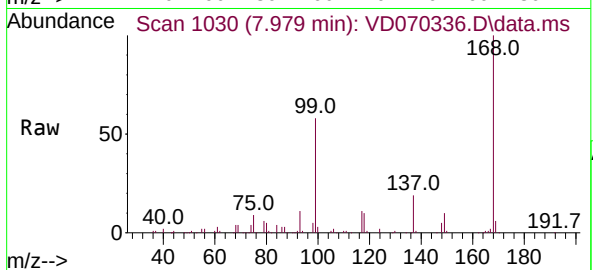
Acq: 13 Sep 2021 19:48

Tgt Ion:168 Resp: 378424

Ion Ratio Lower Upper

168 100

99 57.8 50.8 76.2



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.985 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD070336.D

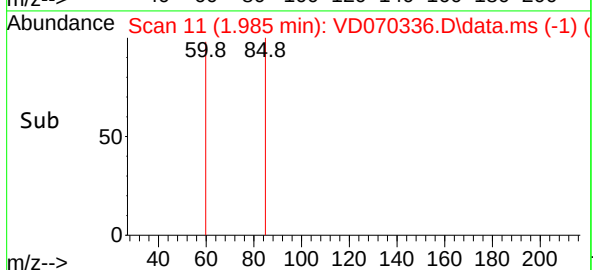
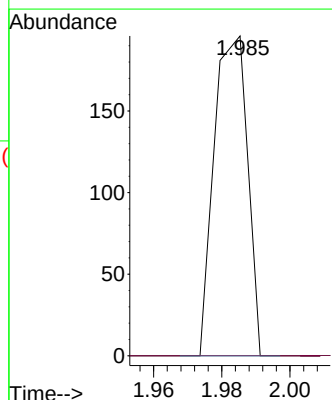
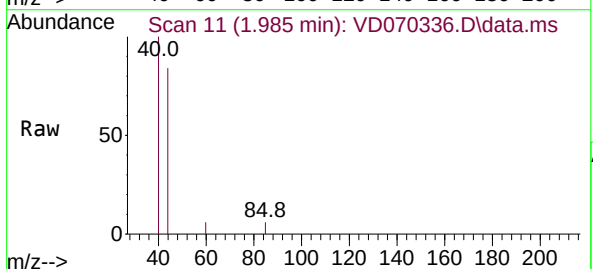
Acq: 13 Sep 2021 19:48

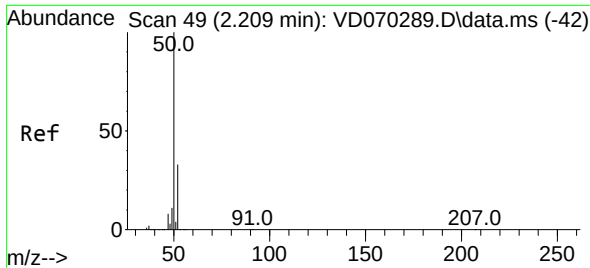
Tgt Ion: 85 Resp: 133

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#

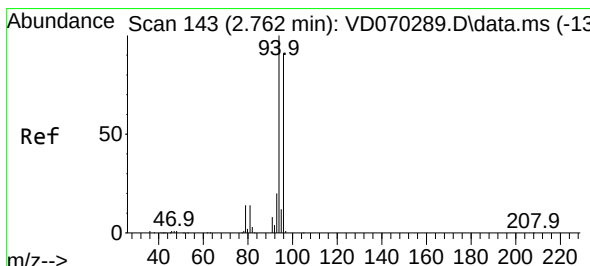
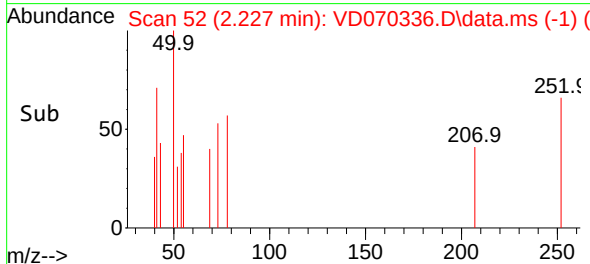
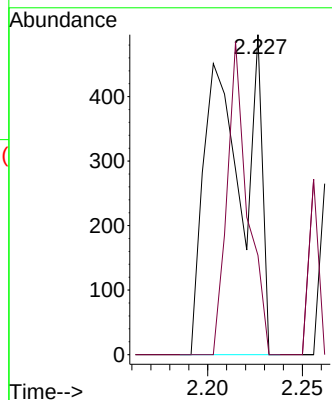
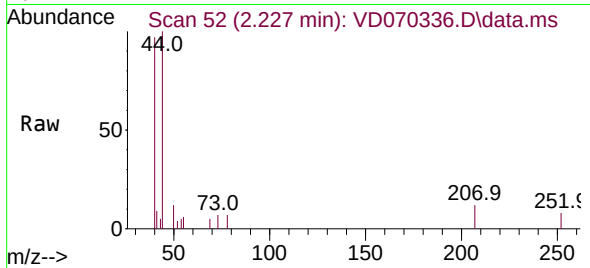




#3
Chloromethane
Concen: Below Cal
RT: 2.227 min Scan# 52
Delta R.T. 0.018 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

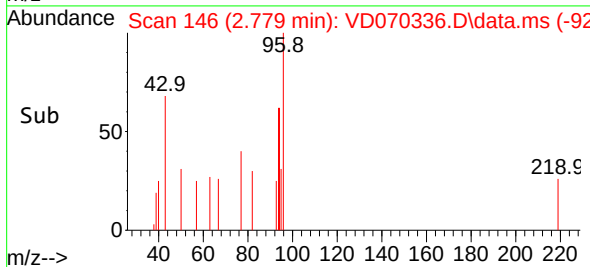
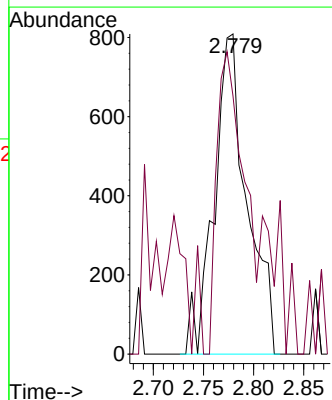
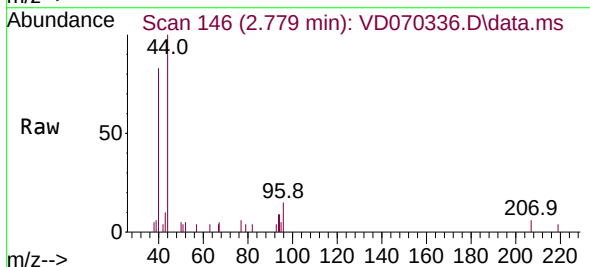
Instrument :
MSVOA_D
ClientSampleId :
A015015

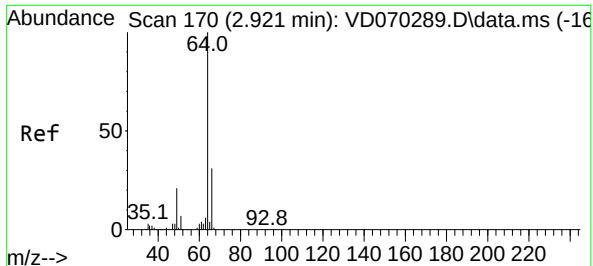
Tgt Ion: 50 Resp: 735
Ion Ratio Lower Upper
50 100
52 31.0 26.2 39.2



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

Tgt Ion: 94 Resp: 1840
Ion Ratio Lower Upper
94 100
96 49.2 73.0 109.6#

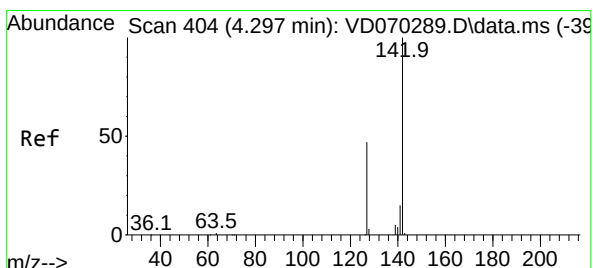
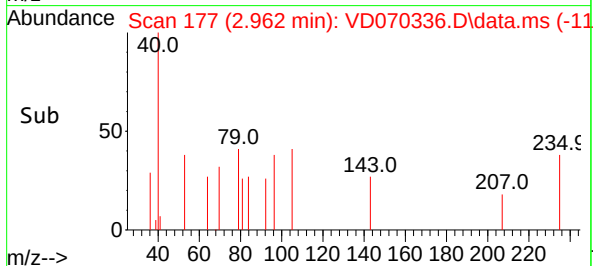
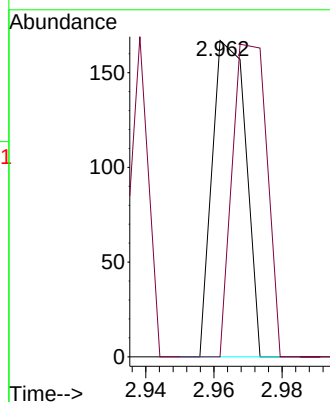
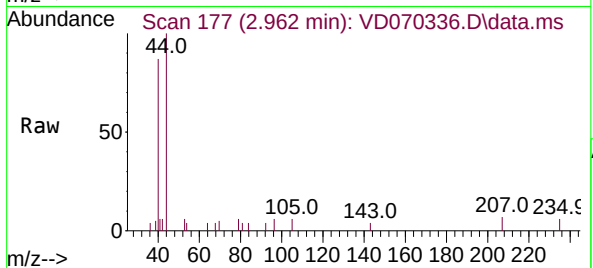




#6
Chloroethane
Concen: Below Cal
RT: 2.962 min Scan# 177
Delta R.T. 0.041 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

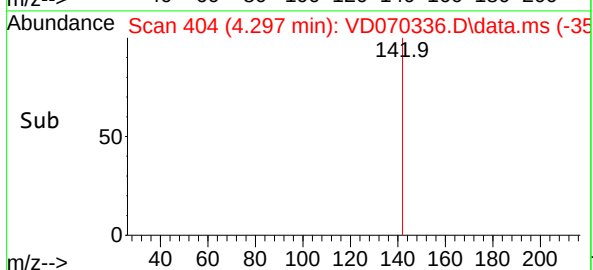
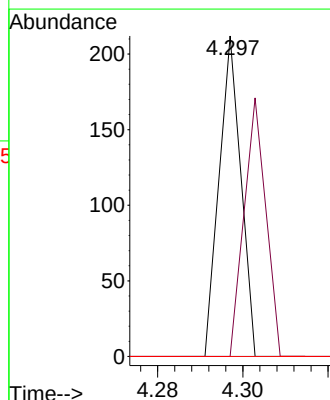
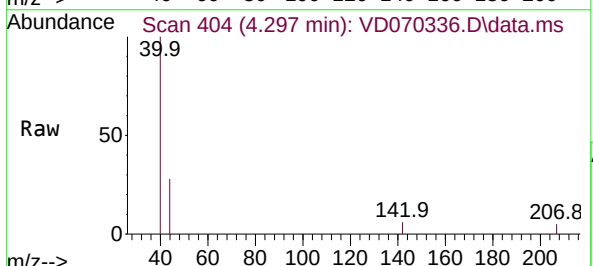
Instrument :
MSVOA_D
ClientSampleId :
A015015

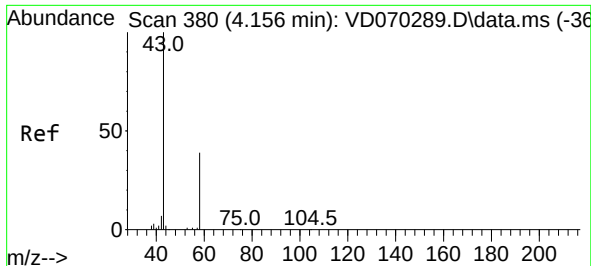
Tgt Ion: 64 Resp: 114
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#10
Methyl Iodide
Concen: 1.045 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

Tgt Ion:142 Resp: 75
Ion Ratio Lower Upper
142 100
127 80.0 36.9 55.3#
141 0.0 11.8 17.6#

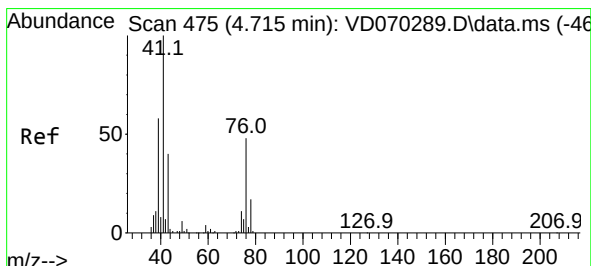
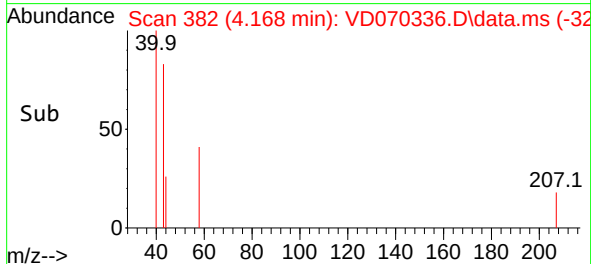
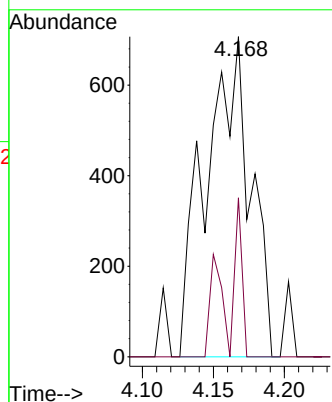
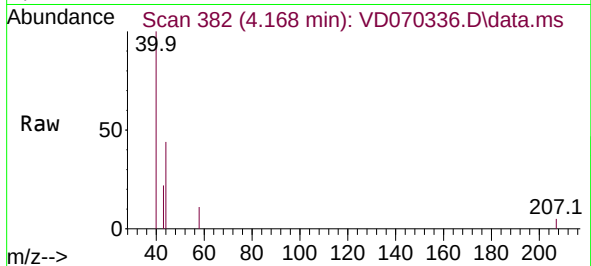




#16
Acetone
Concen: 1.780 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

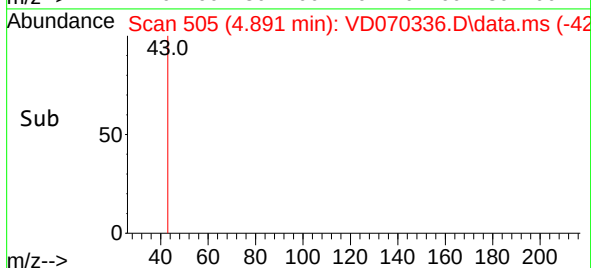
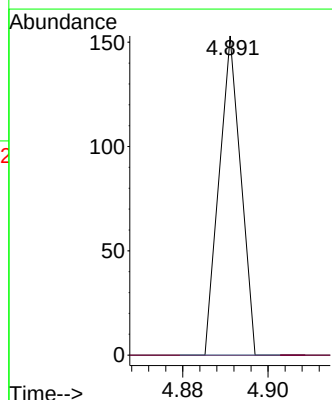
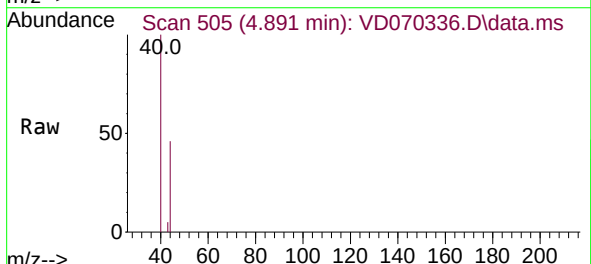
Instrument :
MSVOA_D
ClientSampled :
A015015

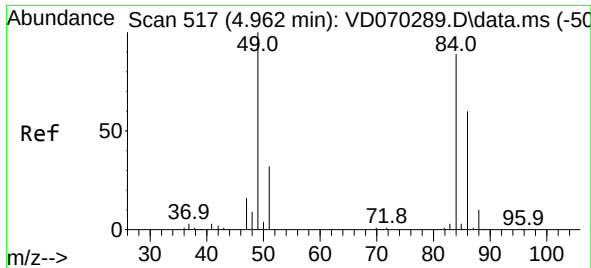
Tgt Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
58 49.6 30.9 46.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.891 min Scan# 505
Delta R.T. 0.176 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

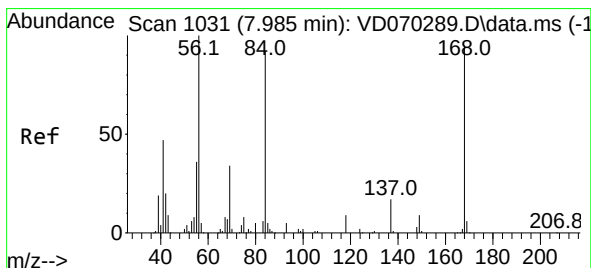
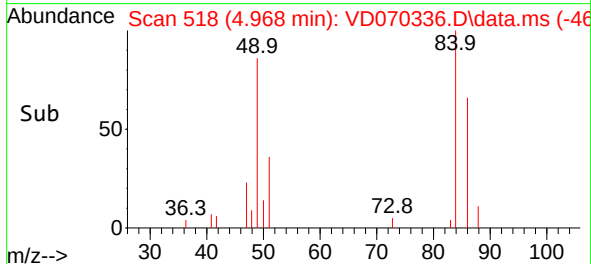
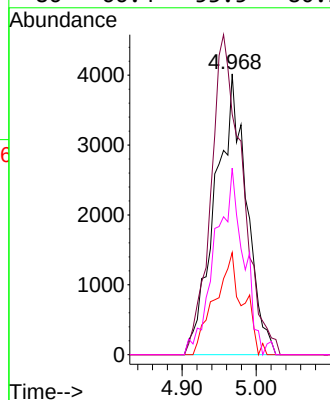
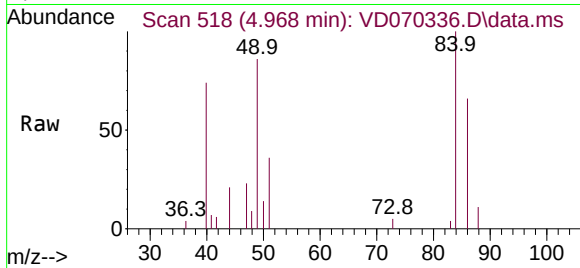




#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

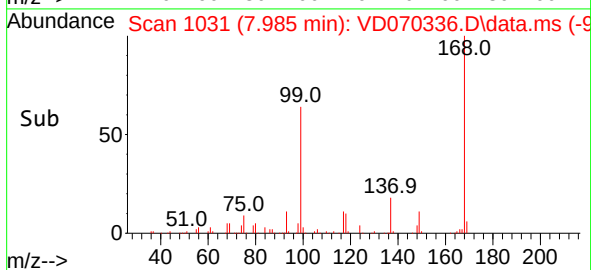
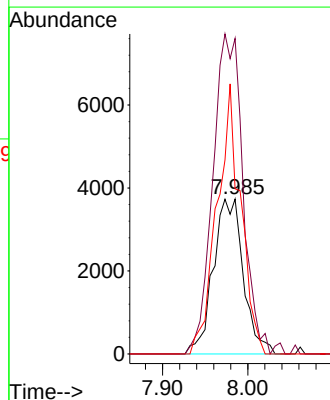
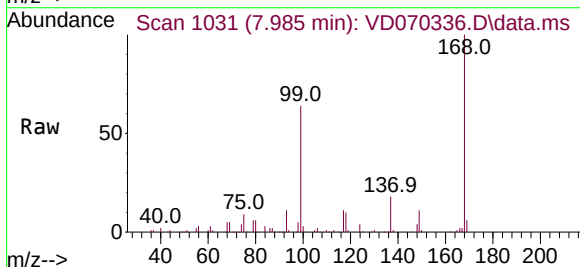
Instrument :
MSVOA_D
ClientSampleId :
A015015

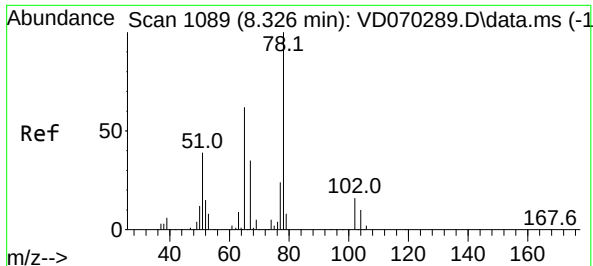
Tgt Ion:	84	Resp:	11772
Ion	Ratio	Lower	Upper
84	100		
49	85.6	89.6	134.4#
51	36.4	28.6	43.0
86	66.4	53.5	80.3



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

Tgt Ion:	56	Resp:	9178
Ion	Ratio	Lower	Upper
56	100		
69	203.7	26.9	40.3#
84	106.6	73.6	110.4

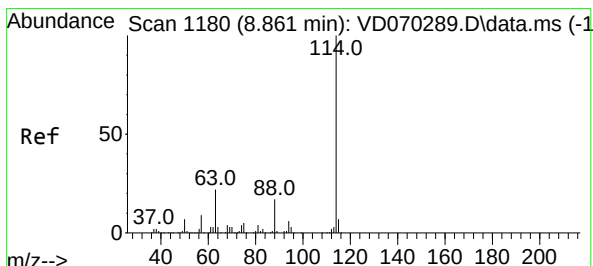
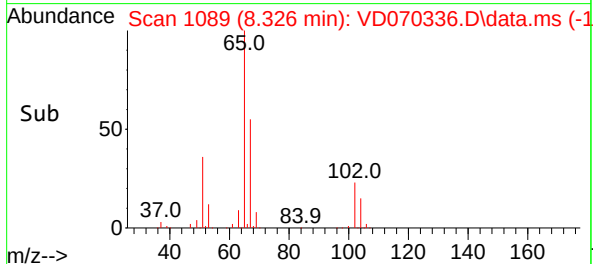
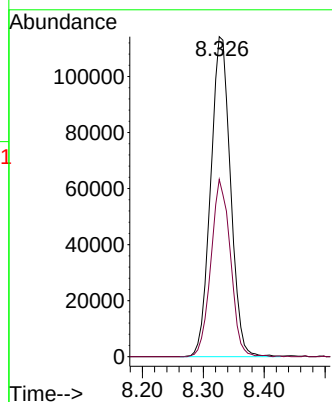
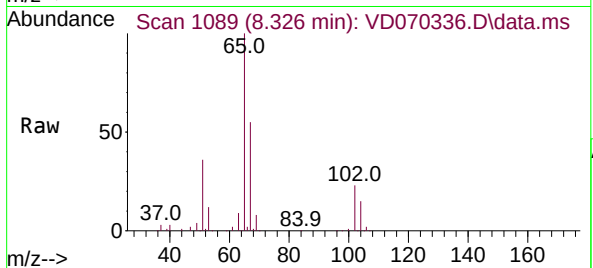




#33
1,2-Dichloroethane-d4
Concen: 53.285 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

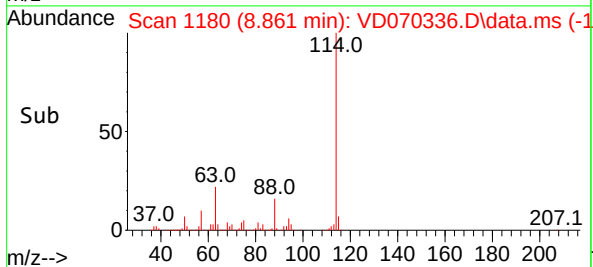
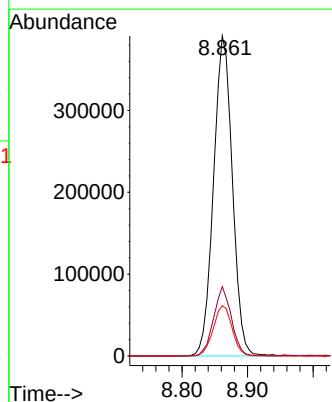
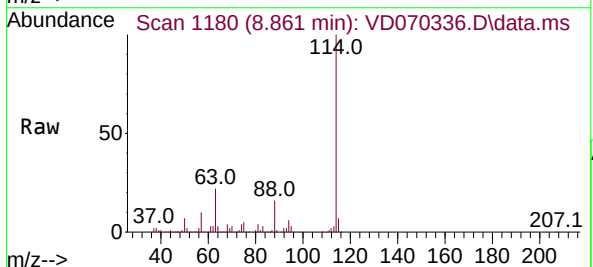
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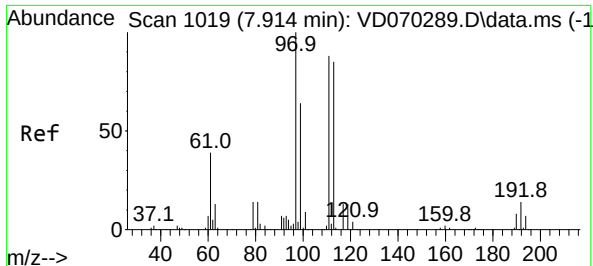
Tgt Ion: 65 Resp: 258914
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

Tgt Ion: 114 Resp: 779224
Ion Ratio Lower Upper
114 100
63 21.7 0.0 43.4
88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.800 ug/l

RT: 7.914 min Scan# 1019

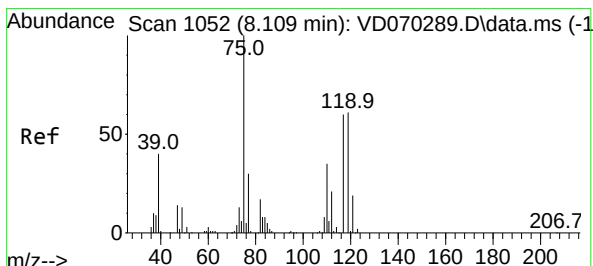
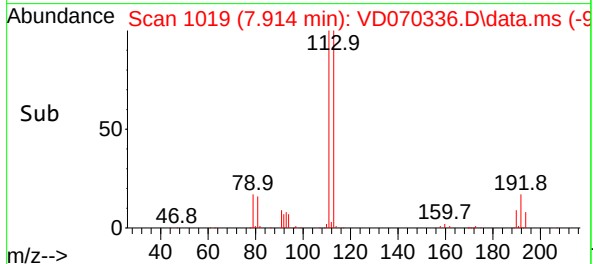
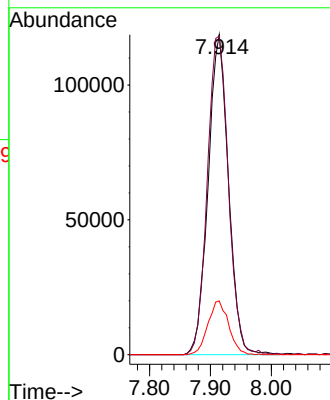
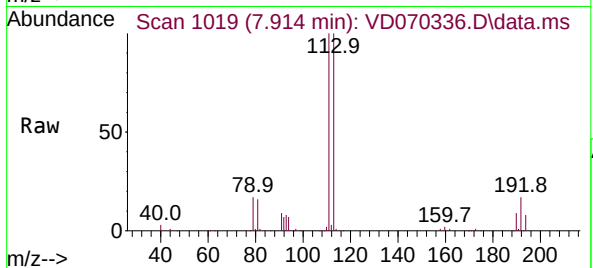
Delta R.T. 0.000 min

Lab File: VD070336.D

Acq: 13 Sep 2021 19:48

Tgt Ion:	113	Resp:	276223
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.2
192	17.1	13.0	19.6

Instrument :
MSVOA_D
ClientSampleId :
A015015



#36

1,1-Dichloropropene

Concen: 4.093 ug/l

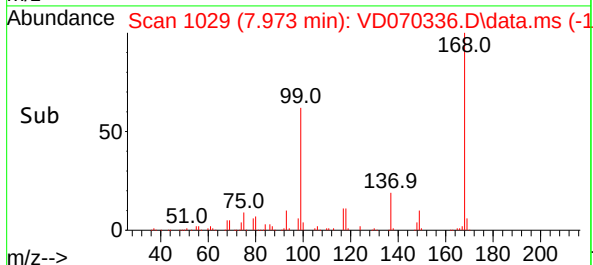
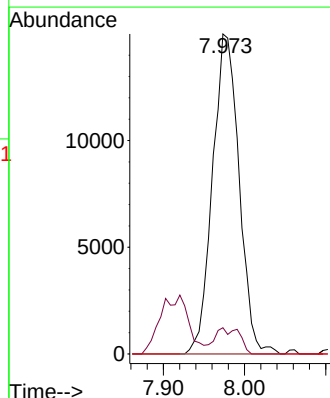
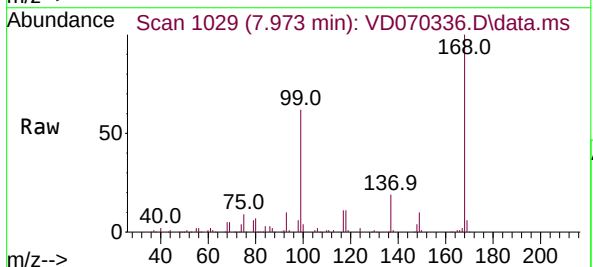
RT: 7.973 min Scan# 1029

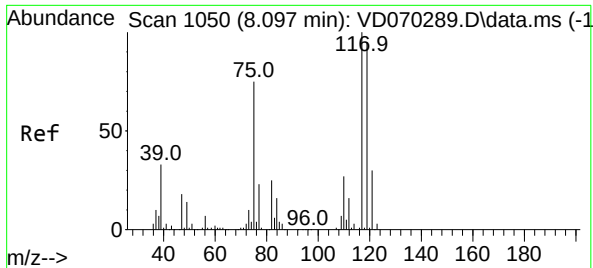
Delta R.T. -0.135 min

Lab File: VD070336.D

Acq: 13 Sep 2021 19:48

Tgt Ion:	75	Resp:	34090
Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.9	53.7#
77	0.0	25.3	37.9#

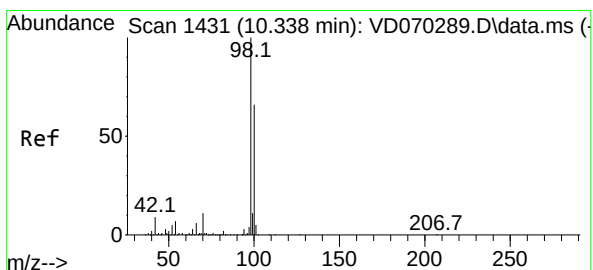
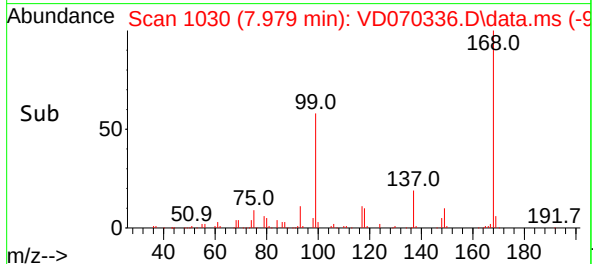
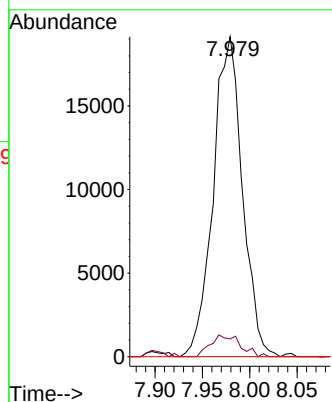
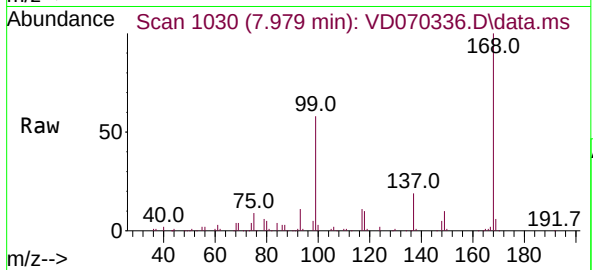




#38
Carbon Tetrachloride
Concen: 4.984 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

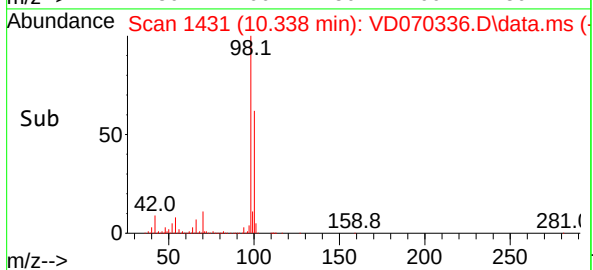
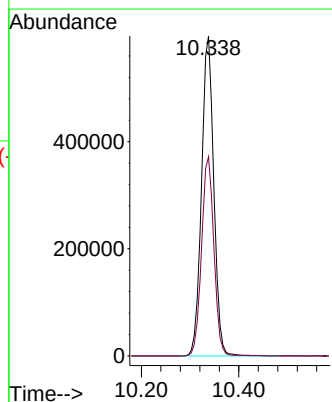
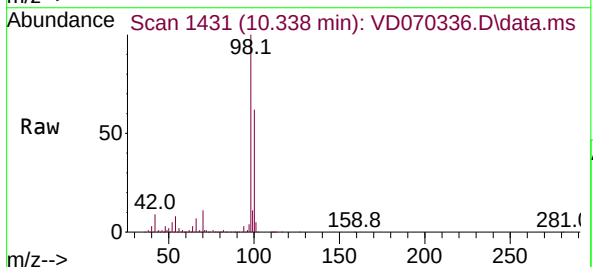
Instrument :
MSVOA_D
ClientSampled :
A015015

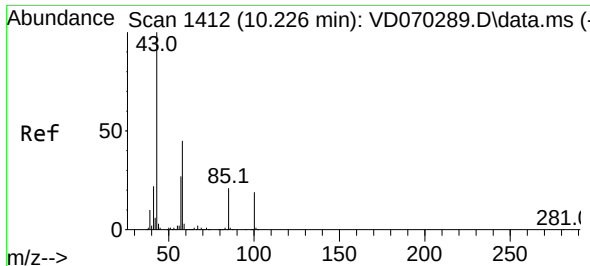
Tgt Ion:117 Resp: 41053
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 51.782 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

Tgt Ion: 98 Resp: 1042800
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0

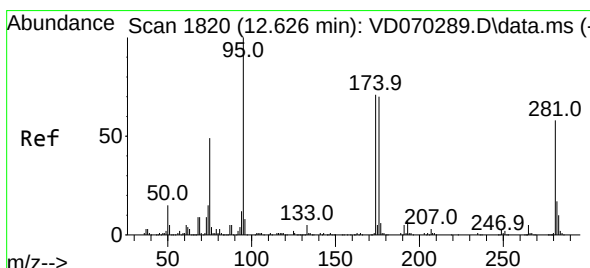
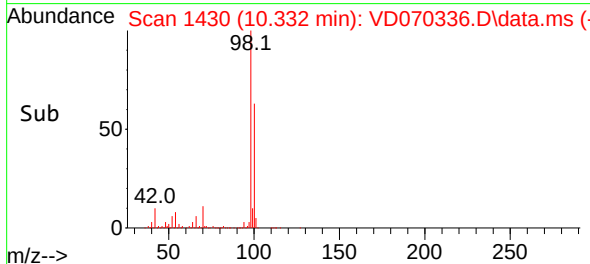
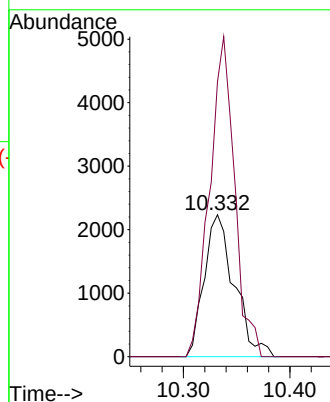
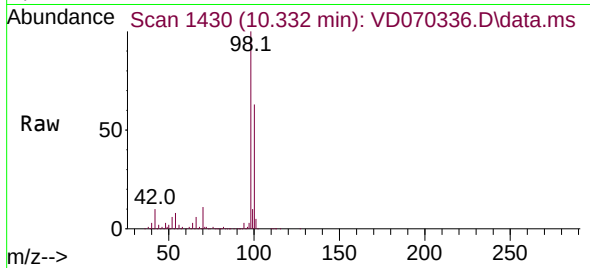




#51
4-Methyl-2-Pentanone
Concen: 1.478 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

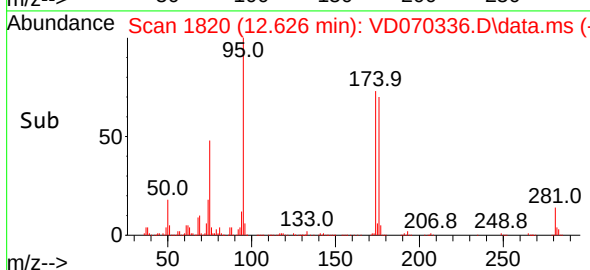
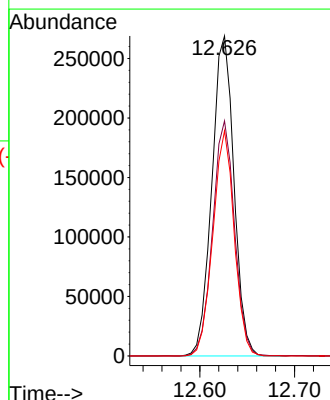
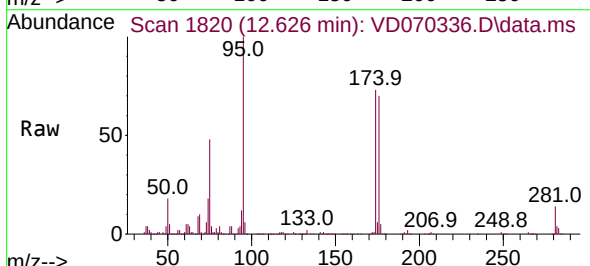
Instrument :
MSVOA_D
ClientSampleId :
A015015

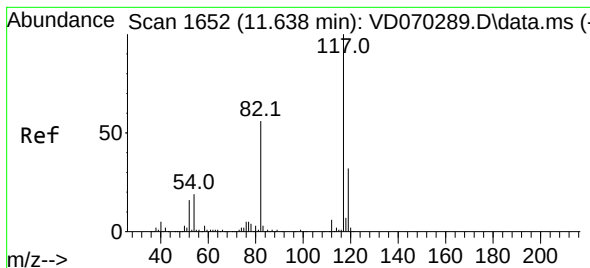
Tgt Ion: 43 Resp: 4403
Ion Ratio Lower Upper
43 100
58 186.3 35.4 53.2#



#62
4-Bromofluorobenzene
Concen: 61.821 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

Tgt Ion: 95 Resp: 435101
Ion Ratio Lower Upper
95 100
174 73.2 0.0 140.6
176 68.0 0.0 137.4

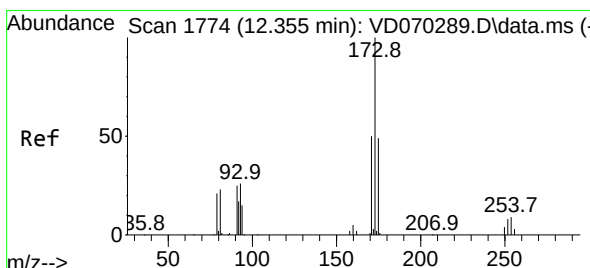
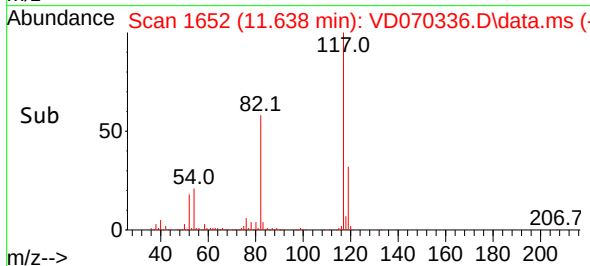
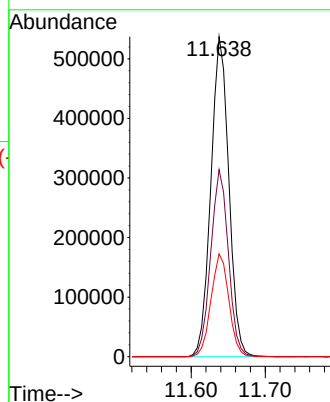
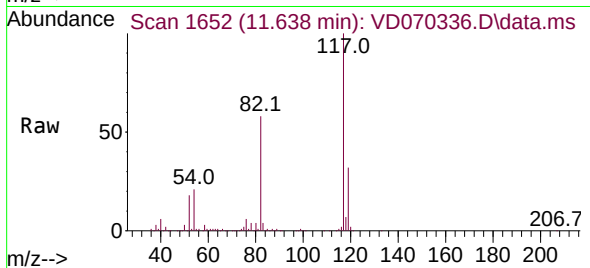




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

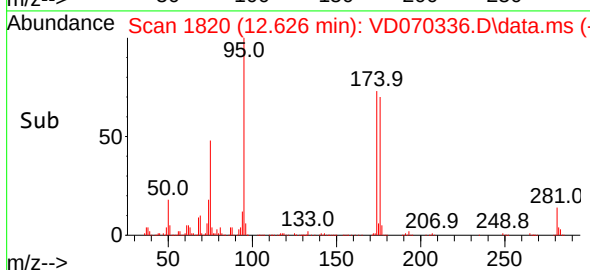
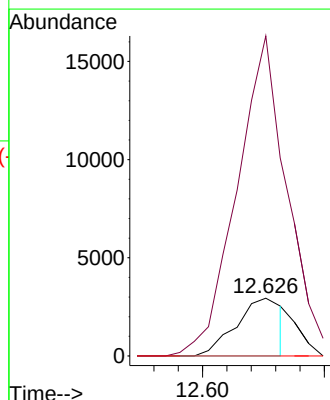
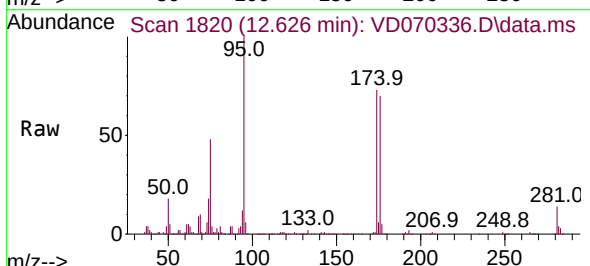
Instrument :
MSVOA_D
ClientSampleId :
A015015

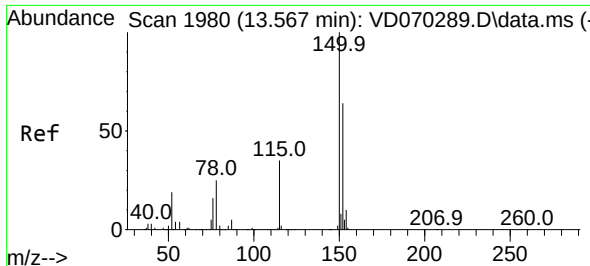
Tgt Ion:117 Resp: 902907
Ion Ratio Lower Upper
117 100
82 58.5 45.0 67.4
119 32.1 25.2 37.8



#71
Bromoform
Concen: 1.145 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD070336.D
Acq: 13 Sep 2021 19:48

Tgt Ion:173 Resp: 3876
Ion Ratio Lower Upper
173 100
175 504.9 25.1 75.2#
254 0.0 0.1 0.1#

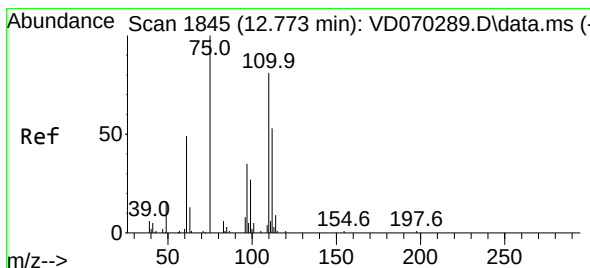
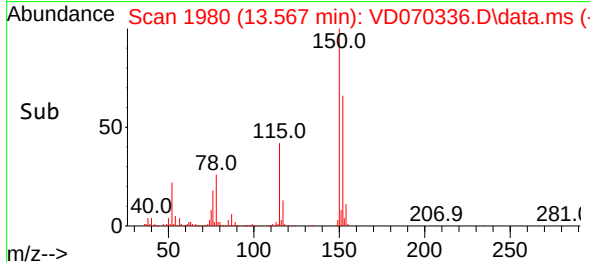
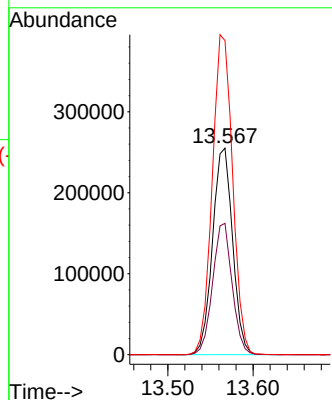
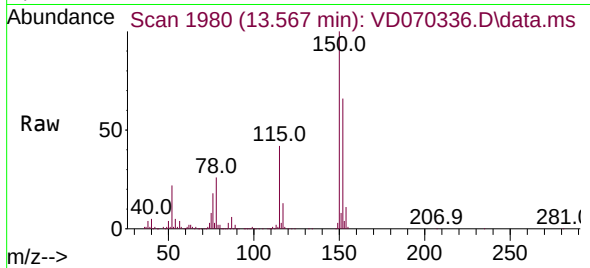




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD070336.D
 Acq: 13 Sep 2021 19:48

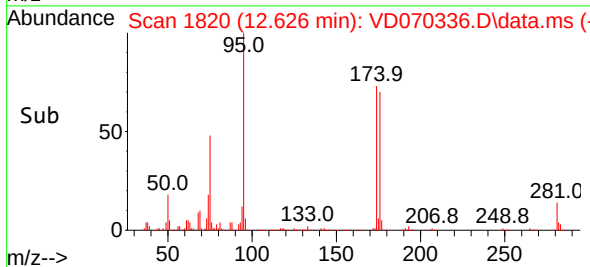
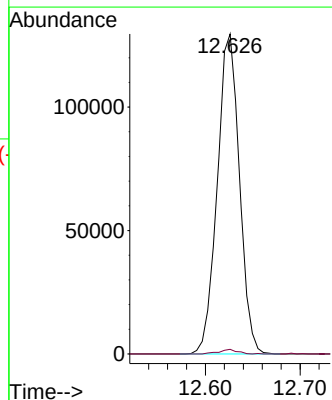
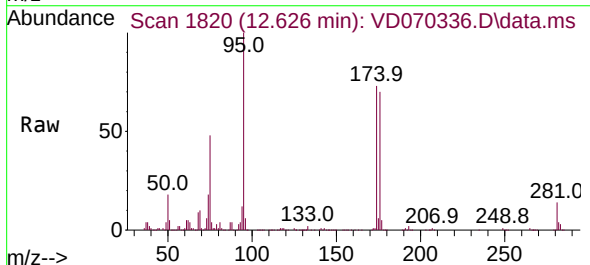
Instrument :
 MSVOA_D
 ClientSampleId :
 A015015

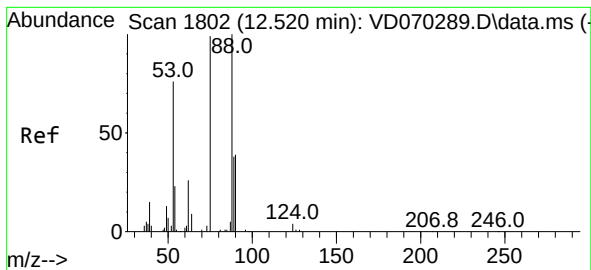
Tgt Ion:152 Resp: 417392
 Ion Ratio Lower Upper
 152 100
 115 61.8 32.1 96.3
 150 156.8 0.0 350.6



#76
 1,2,3-Trichloropropane
 Concen: 49.873 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070336.D
 Acq: 13 Sep 2021 19:48

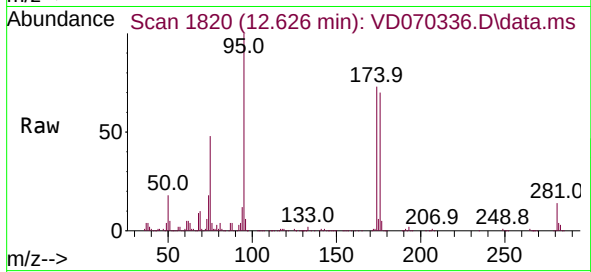
Tgt Ion: 75 Resp: 210564
 Ion Ratio Lower Upper
 75 100
 77 1.2 174.9 524.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.962 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070336.D
 Acq: 13 Sep 2021 19:48

Instrument :
 MSVOA_D
 ClientSampleId :
 A015015



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	64.2	96.2#
89	0.2	35.6	53.4#

