

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070869.D
 Acq On : 27 Oct 2021 17:41
 Operator : VA/SY
 Sample : M4358-10
 Misc : 4.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 03:58:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

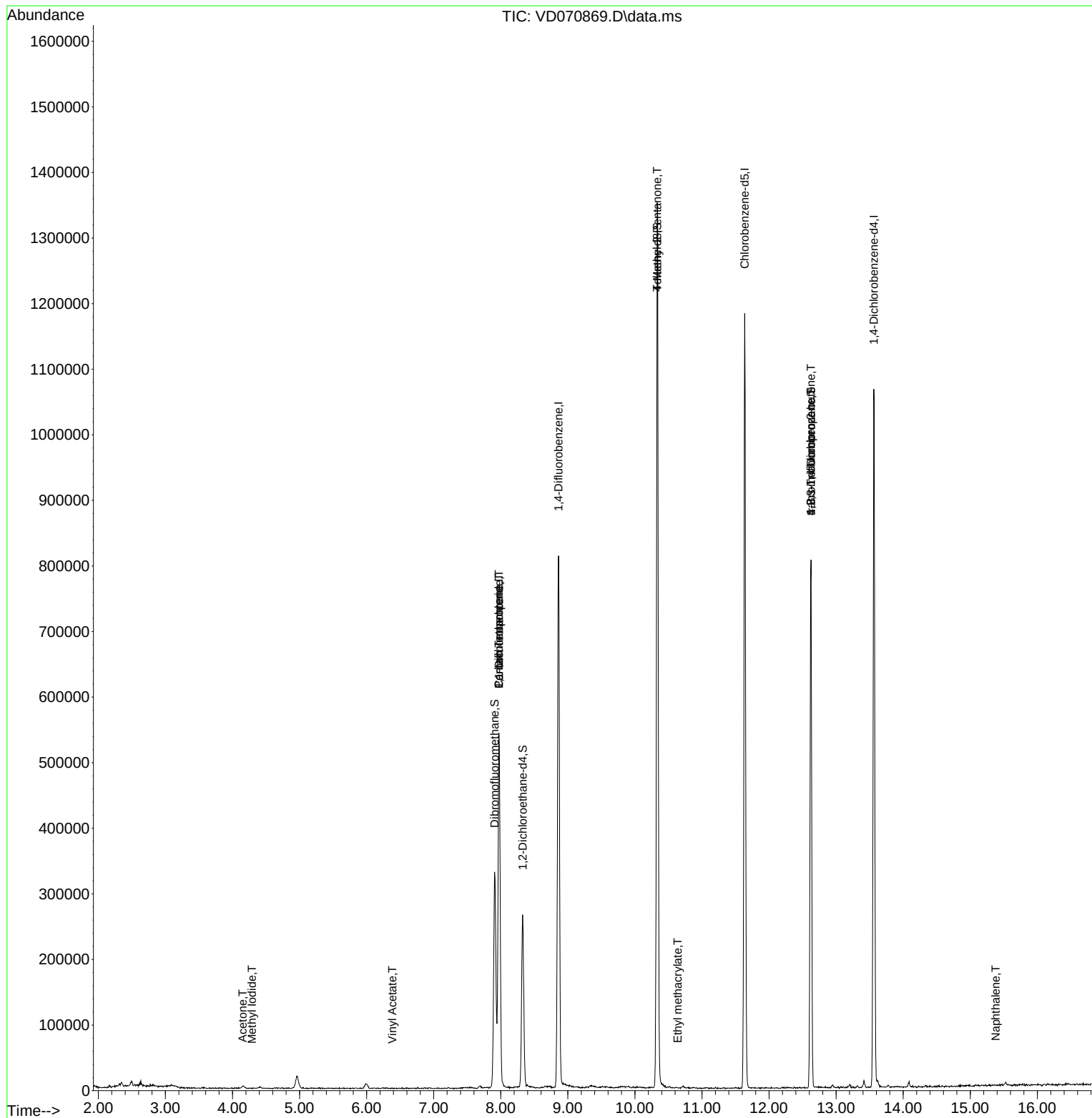
Internal Standards						
1) Pentafluorobenzene	7.973	168	413370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	721717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	695836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	300481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	203422	48.929	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.860%		
35) Dibromofluoromethane	7.908	113	245250	51.538	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.080%		
50) Toluene-d8	10.332	98	950896	53.114	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.220%		
62) 4-Bromofluorobenzene	12.626	95	274352	46.446	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.900%		
Target Compounds						
5) Bromomethane	2.773	94	510	Below Cal	#	43
10) Methyl Iodide	4.291	142	353	3.675	ug/l #	40
16) Acetone	4.150	43	7079	7.319	ug/l	89
20) Methylene Chloride	4.956	84	15944	Below Cal	#	77
23) Vinyl Acetate	6.385	43	62	14.423	ug/l #	72
36) 1,1-Dichloropropene	7.973	75	32228	4.268	ug/l #	50
38) Carbon Tetrachloride	7.973	117	38051	5.011	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	3129	1.143	ug/l #	1
56) Ethyl methacrylate	10.638	69	379	2.914	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	126398	42.731	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	126398	112.155	ug/l #	18
95) Naphthalene	15.379	128	68	4.131	ug/l #	69

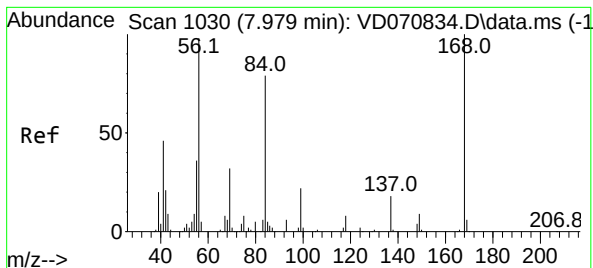
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 28 03:58:23 2021
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Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 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: VD070869.D

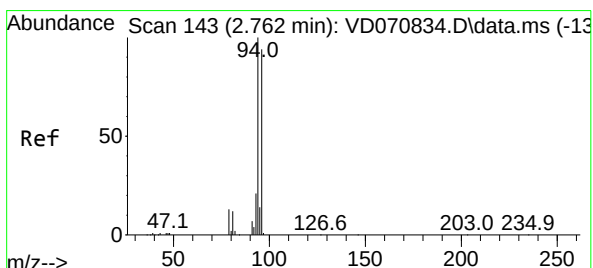
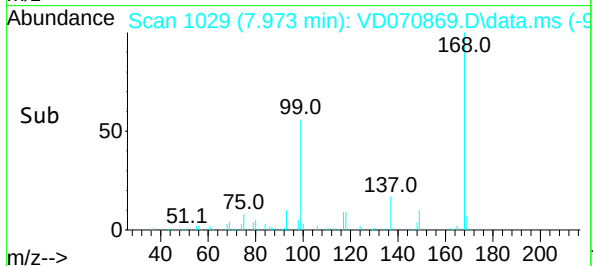
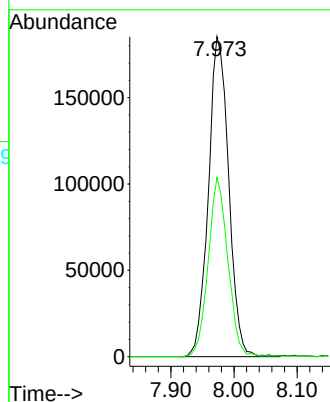
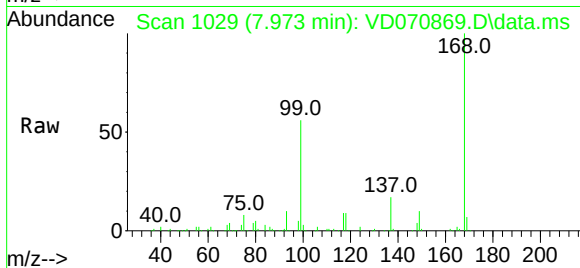
Acq: 27 Oct 2021 17:41

Tgt Ion:168 Resp: 413370

Ion Ratio Lower Upper

168 100

99 56.1 46.6 69.8



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD070869.D

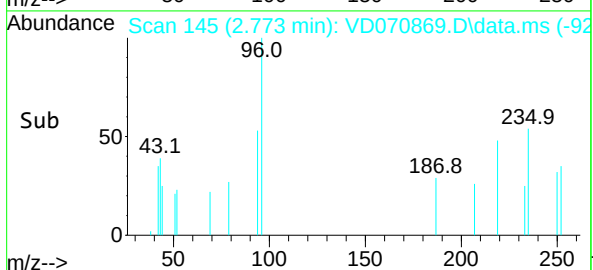
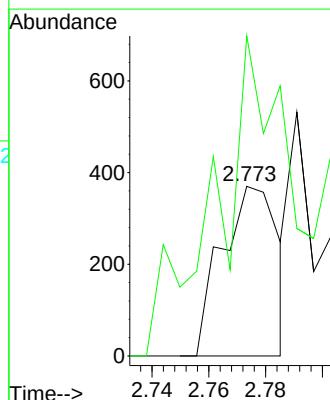
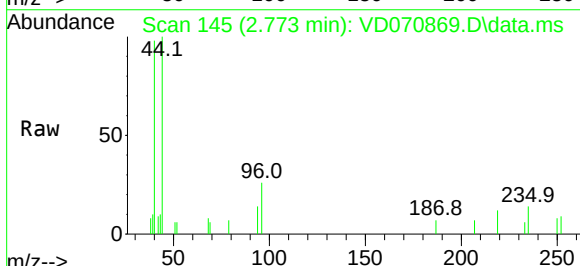
Acq: 27 Oct 2021 17:41

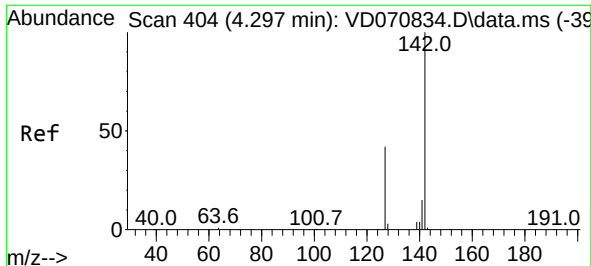
Tgt Ion: 94 Resp: 510

Ion Ratio Lower Upper

94 100

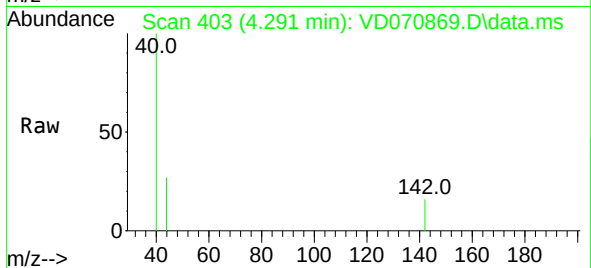
96 148.1 74.8 112.2#



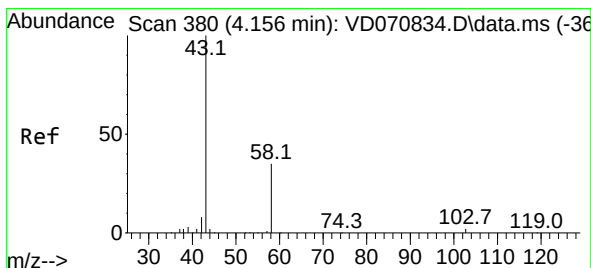
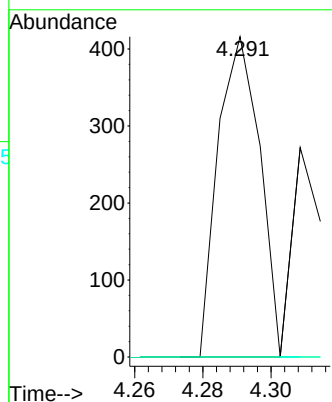
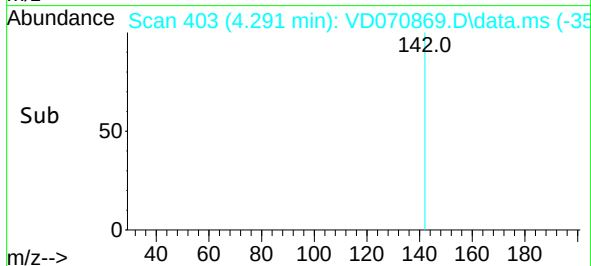


#10
Methyl Iodide
Concen: 3.675 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

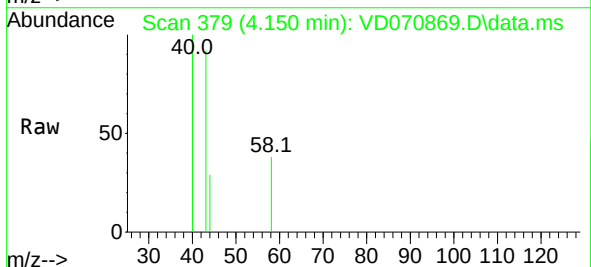
Instrument :
MSVOA_D
ClientSampleId :



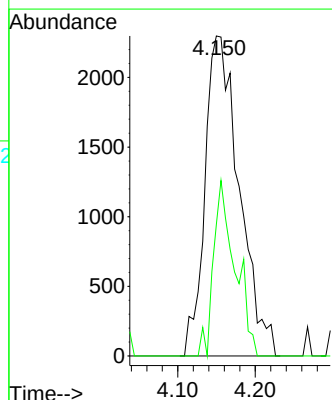
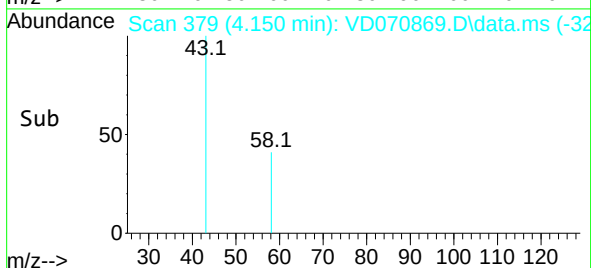
Tgt Ion:142 Resp: 353
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

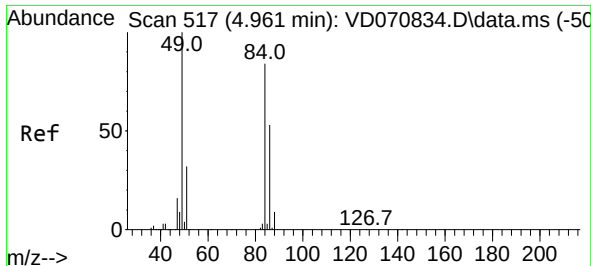


#16
Acetone
Concen: 7.319 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41



Tgt Ion: 43 Resp: 7079
Ion Ratio Lower Upper
43 100
58 41.1 27.8 41.8

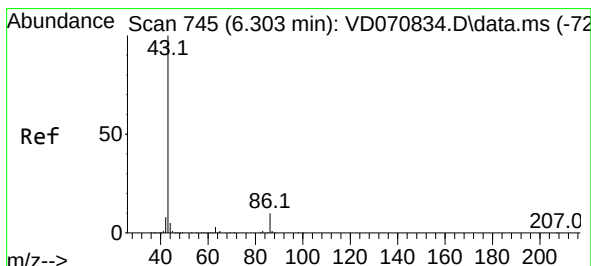
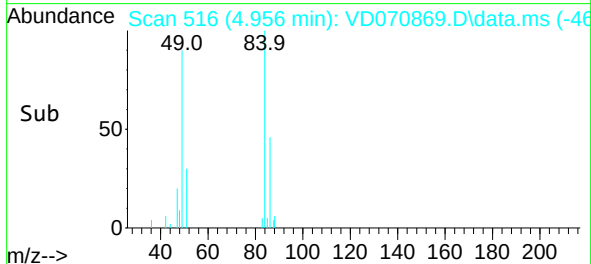
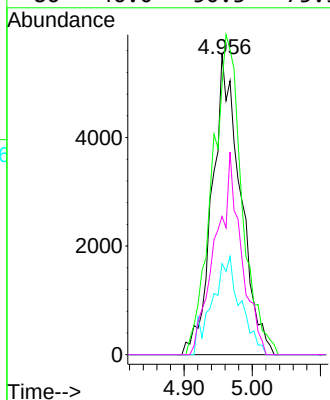
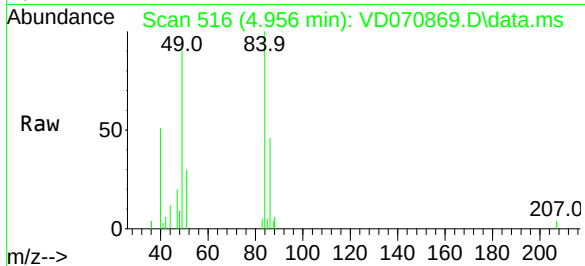




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

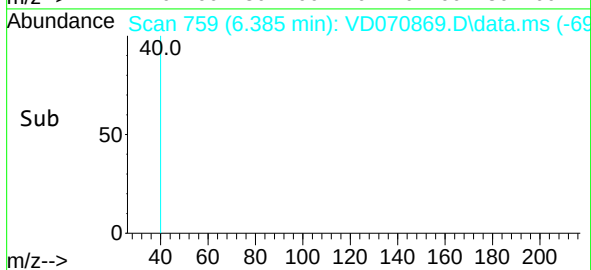
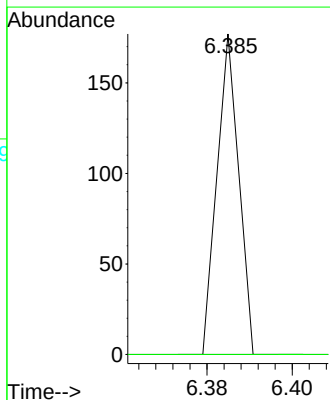
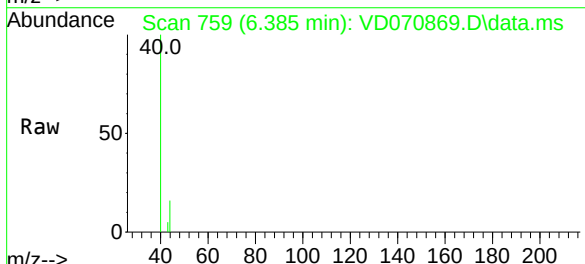
Instrument :
MSVOA_D
ClientSampleId :

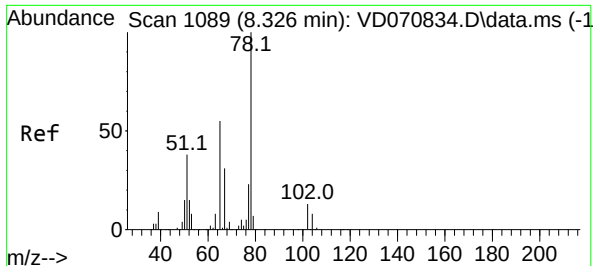
Tgt Ion:	84	Resp:	15944
Ion	Ratio	Lower	Upper
84	100		
49	89.8	95.8	143.6#
51	30.2	30.9	46.3#
86	46.0	50.3	75.5#



#23
Vinyl Acetate
Concen: 14.423 ug/l
RT: 6.385 min Scan# 759
Delta R.T. 0.082 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#



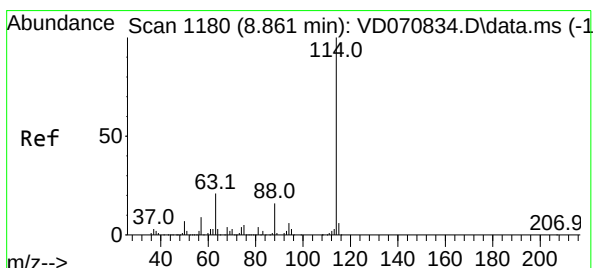
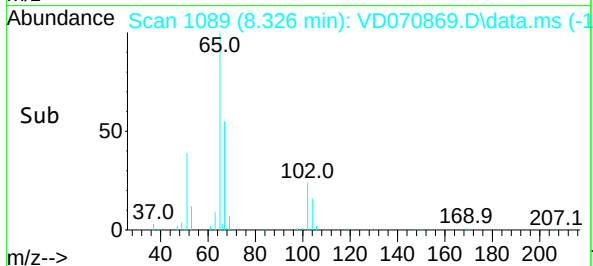
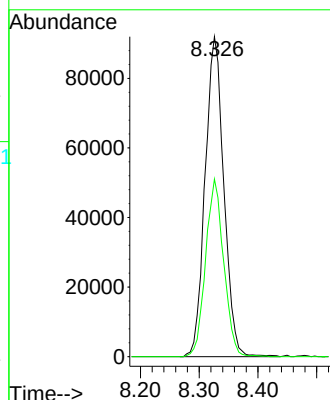
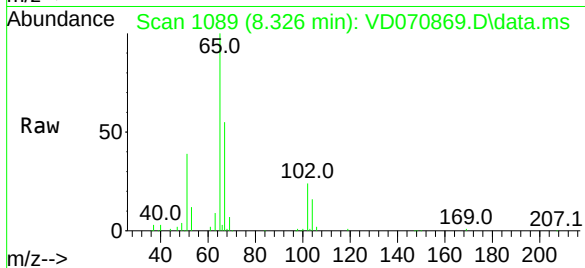


#33

1,2-Dichloroethane-d4
Concen: 48.929 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

Instrument :
MSVOA_D
ClientSampled :

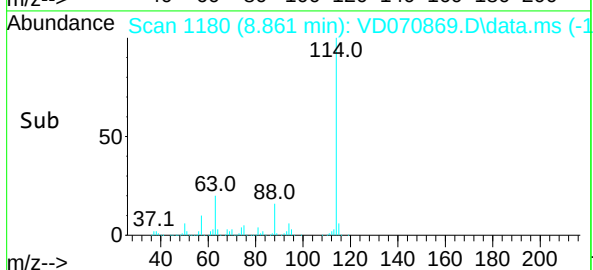
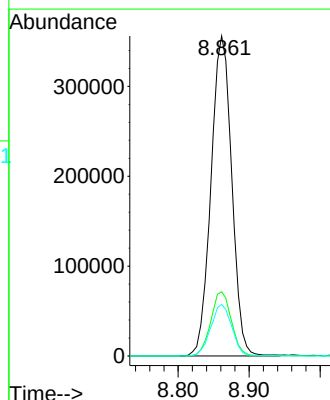
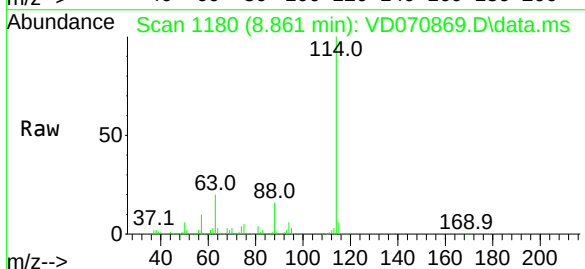
Tgt Ion: 65 Resp: 203422
Ion Ratio Lower Upper
65 100
67 53.6 0.0 112.2

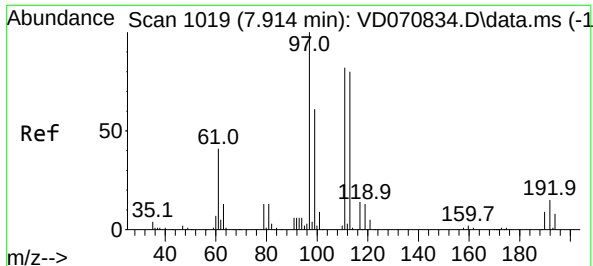


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

Tgt Ion: 114 Resp: 721717
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.8
88 16.2 0.0 32.8

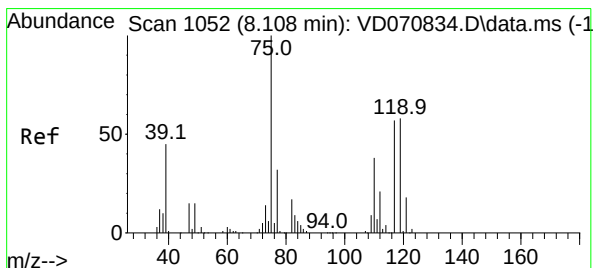
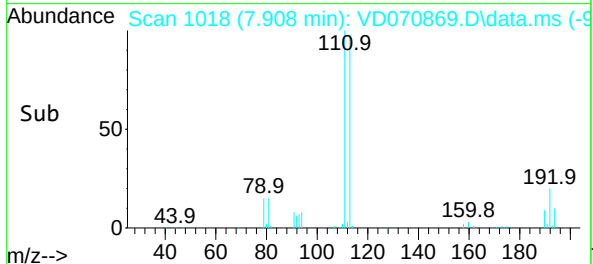
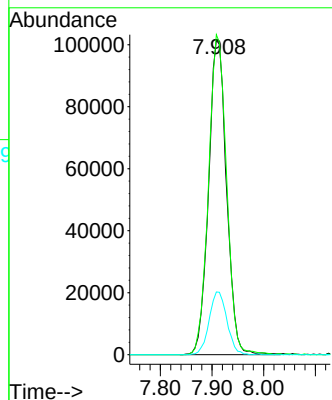
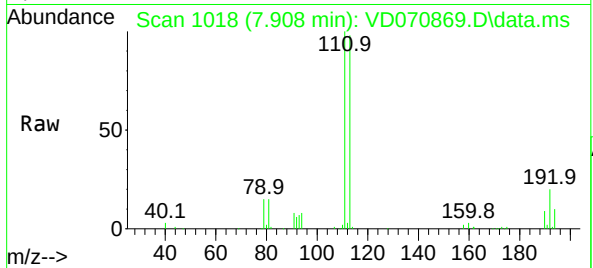




#35
Dibromofluoromethane
Concen: 51.538 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

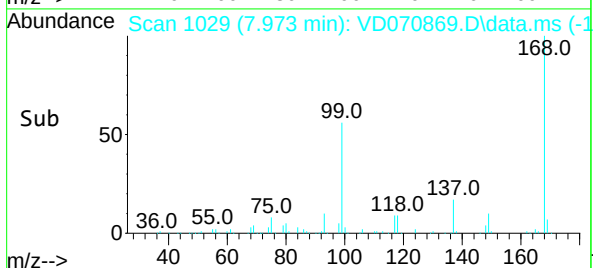
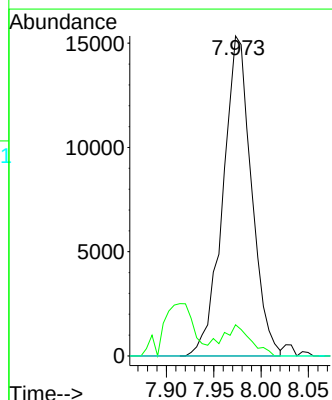
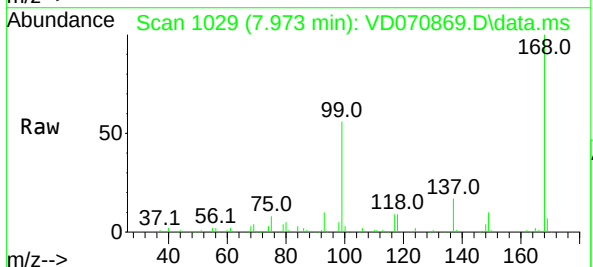
Instrument :
MSVOA_D
ClientSampleId :

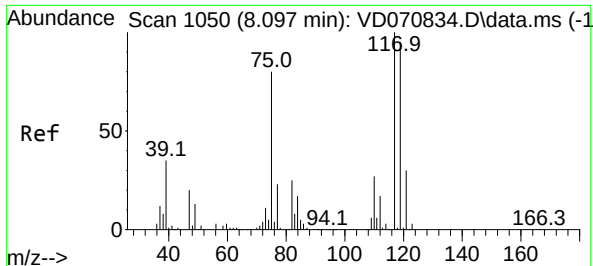
Tgt Ion:113 Resp: 245250
Ion Ratio Lower Upper
113 100
111 102.2 82.0 123.0
192 19.7 15.2 22.8



#36
1,1-Dichloropropene
Concen: 4.268 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

Tgt Ion: 75 Resp: 32228
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.4#
77 0.0 24.8 37.2#

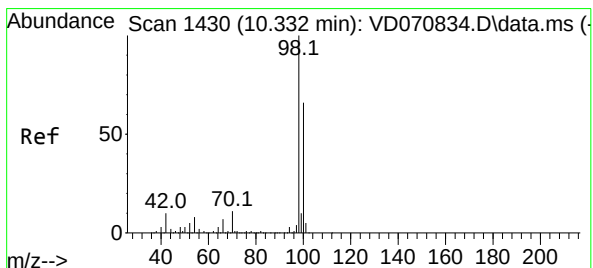
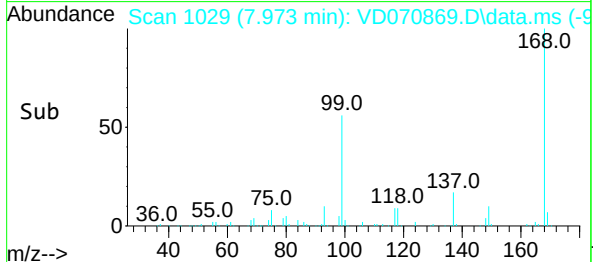
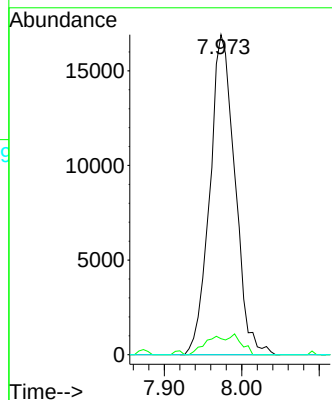
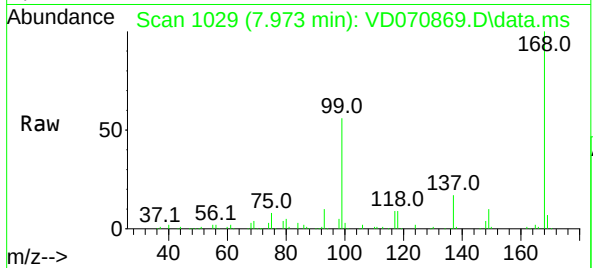




#38
Carbon Tetrachloride
Concen: 5.011 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

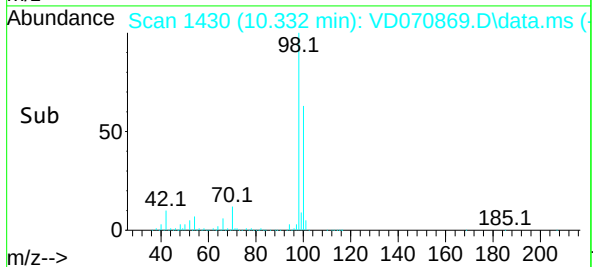
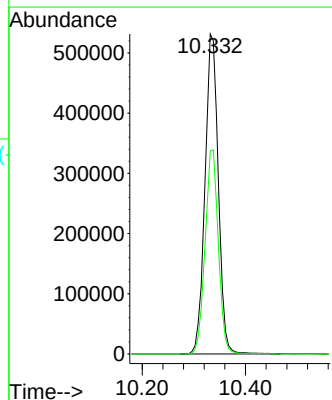
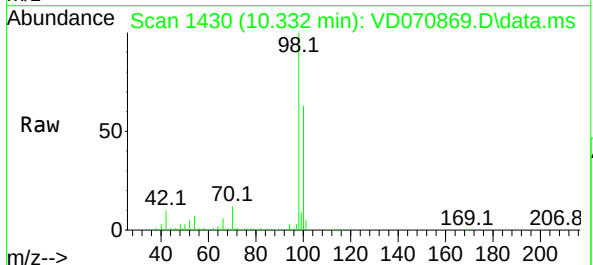
Instrument :
MSVOA_D
ClientSampled :

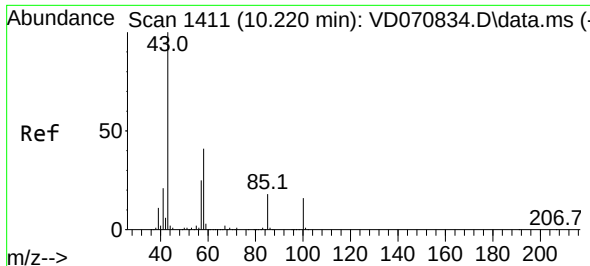
Tgt Ion:117 Resp: 38051
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 23.6 35.4#



#50
Toluene-d8
Concen: 53.114 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

Tgt Ion: 98 Resp: 950896
Ion Ratio Lower Upper
98 100
100 63.6 51.8 77.6

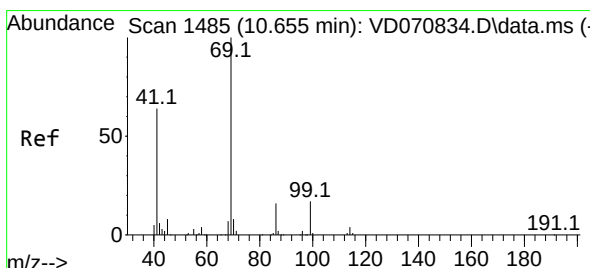
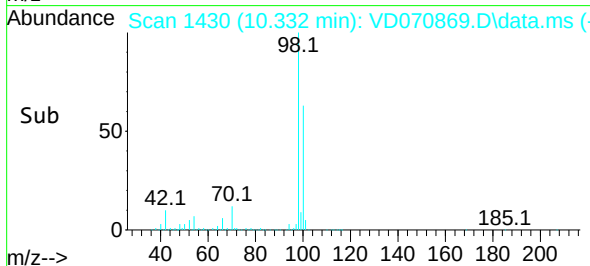
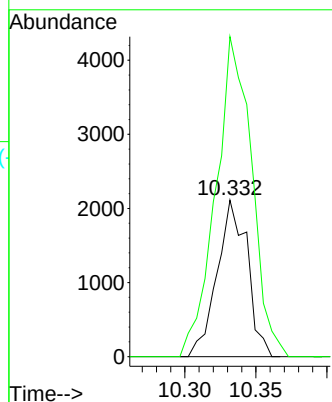
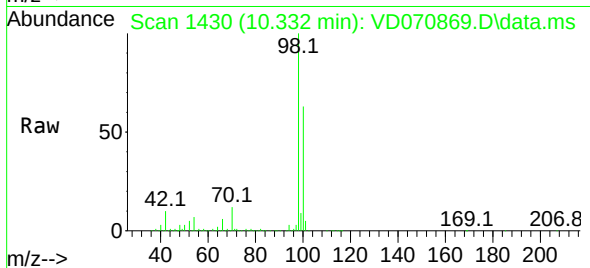




#51
4-Methyl-2-Pentanone
Concen: 1.143 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

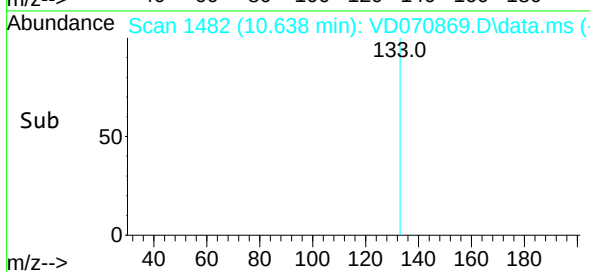
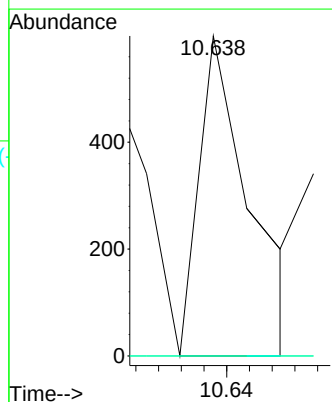
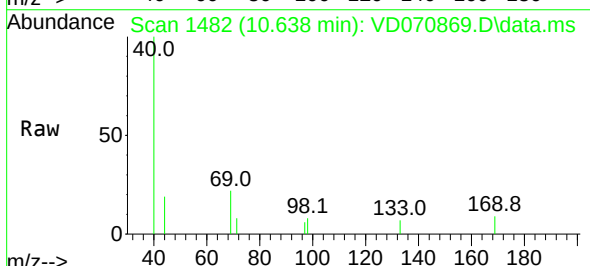
Instrument :
MSVOA_D
ClientSampled :

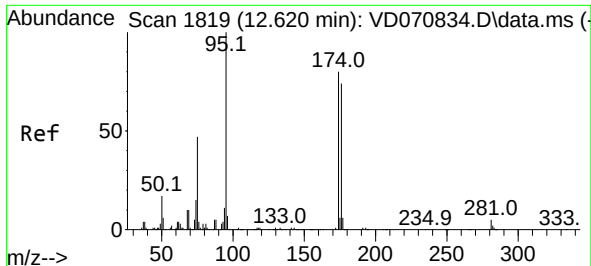
Tgt Ion: 43 Resp: 3129
Ion Ratio Lower Upper
43 100
58 243.1 33.1 49.7#



#56
Ethyl methacrylate
Concen: 2.914 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

Tgt Ion: 69 Resp: 379
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

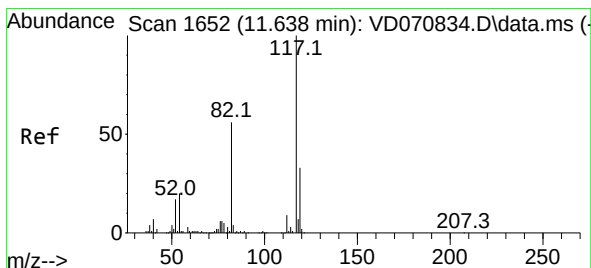
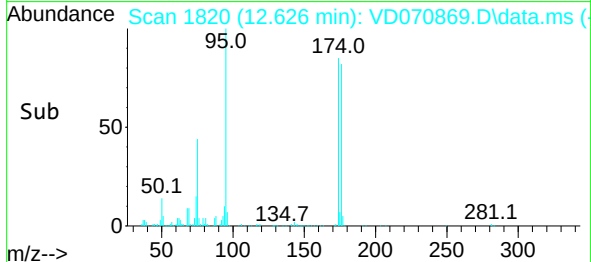
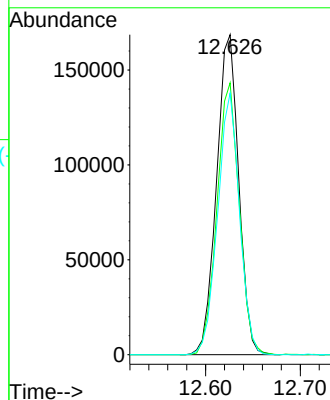
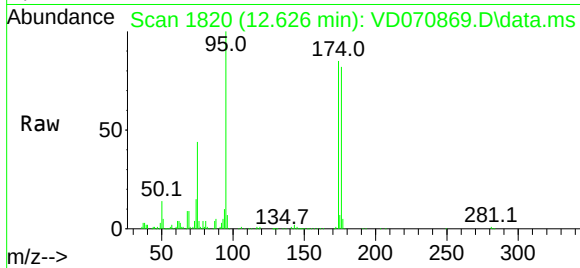




#62
4-Bromofluorobenzene
Concen: 46.446 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

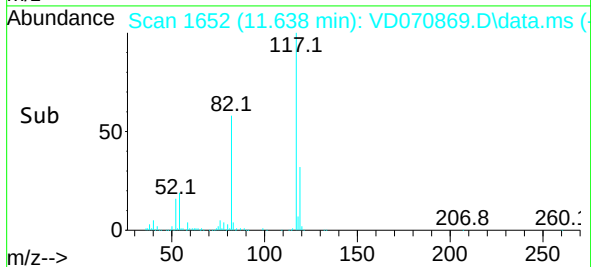
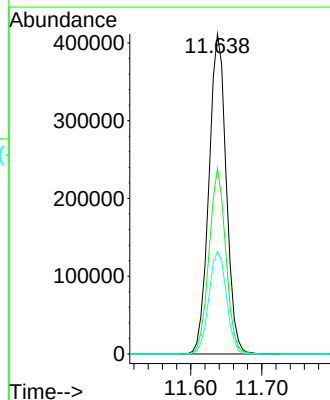
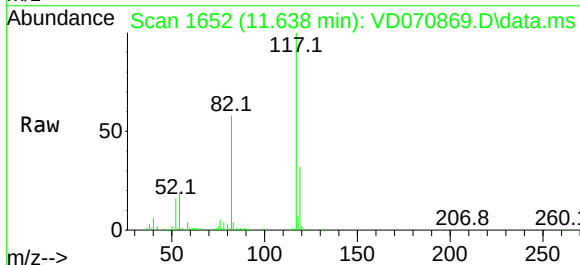
Instrument :
MSVOA_D
ClientSampleId :

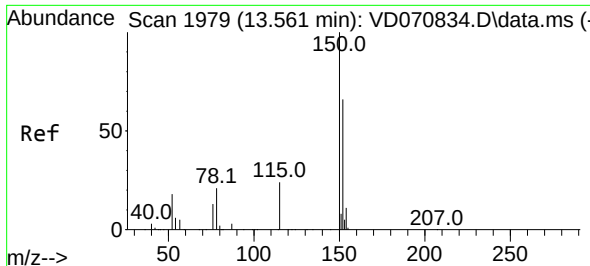
Tgt Ion: 95 Resp: 274352
Ion Ratio Lower Upper
95 100
174 85.3 0.0 159.4
176 80.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

Tgt Ion: 117 Resp: 695836
Ion Ratio Lower Upper
117 100
82 58.0 44.7 67.1
119 31.9 26.2 39.4

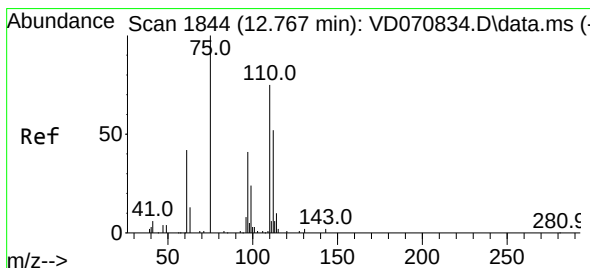
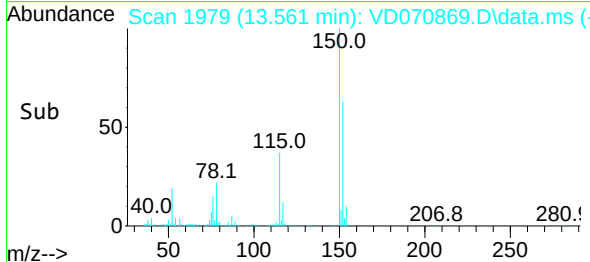
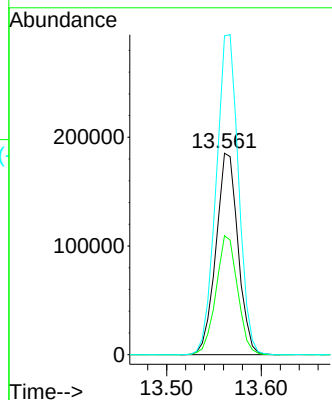
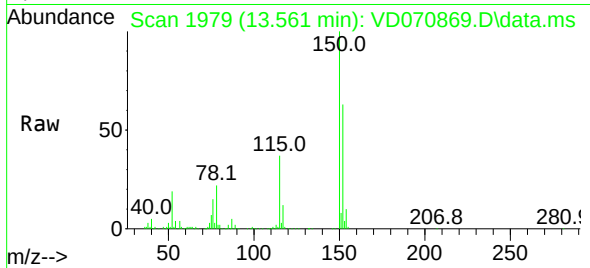




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD070869.D
 Acq: 27 Oct 2021 17:41

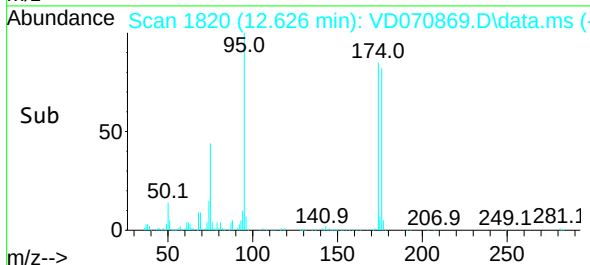
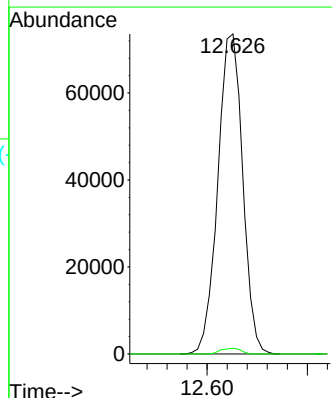
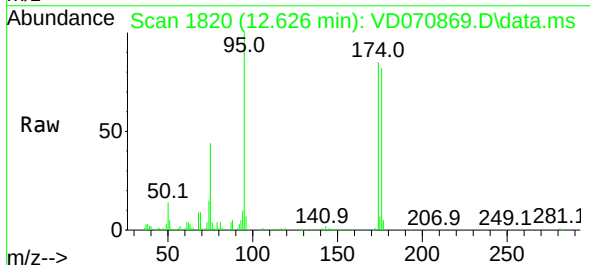
Instrument :
 MSVOA_D
 ClientSampled :

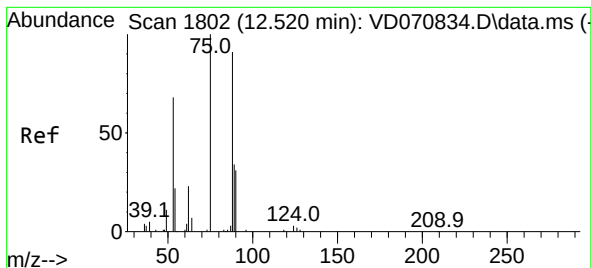
Tgt Ion:152 Resp: 300481
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.8 89.3
 150 161.0 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 42.731 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.141 min
 Lab File: VD070869.D
 Acq: 27 Oct 2021 17:41

Tgt Ion: 75 Resp: 126398
 Ion Ratio Lower Upper
 75 100
 77 1.4 158.4 475.3#

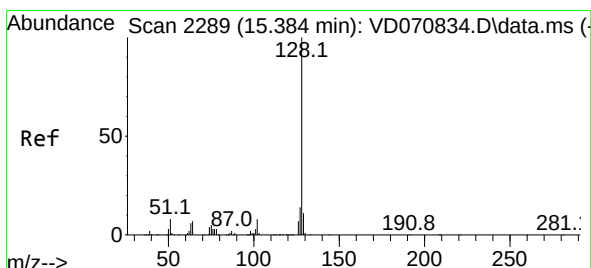
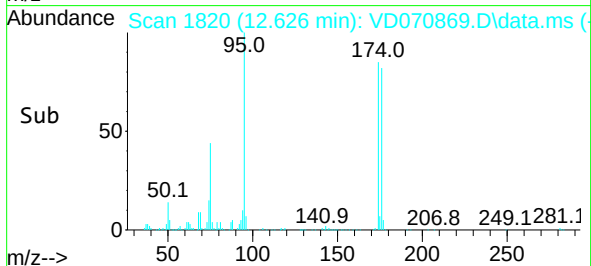
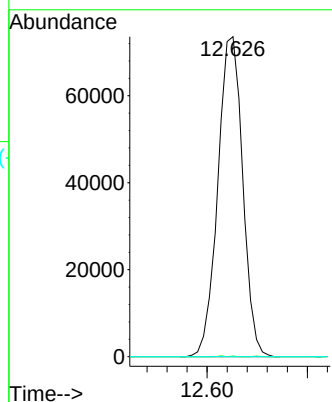
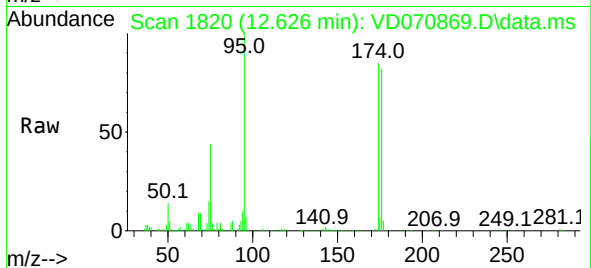




#81
trans-1,4-Dichloro-2-butene
Concen: 112.155 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 126398
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.131 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070869.D
Acq: 27 Oct 2021 17:41

Tgt Ion:128 Resp: 68
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

