

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070867.D
 Acq On : 27 Oct 2021 16:44
 Operator : VA/SY
 Sample : M4358-04
 Misc : 5.80G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

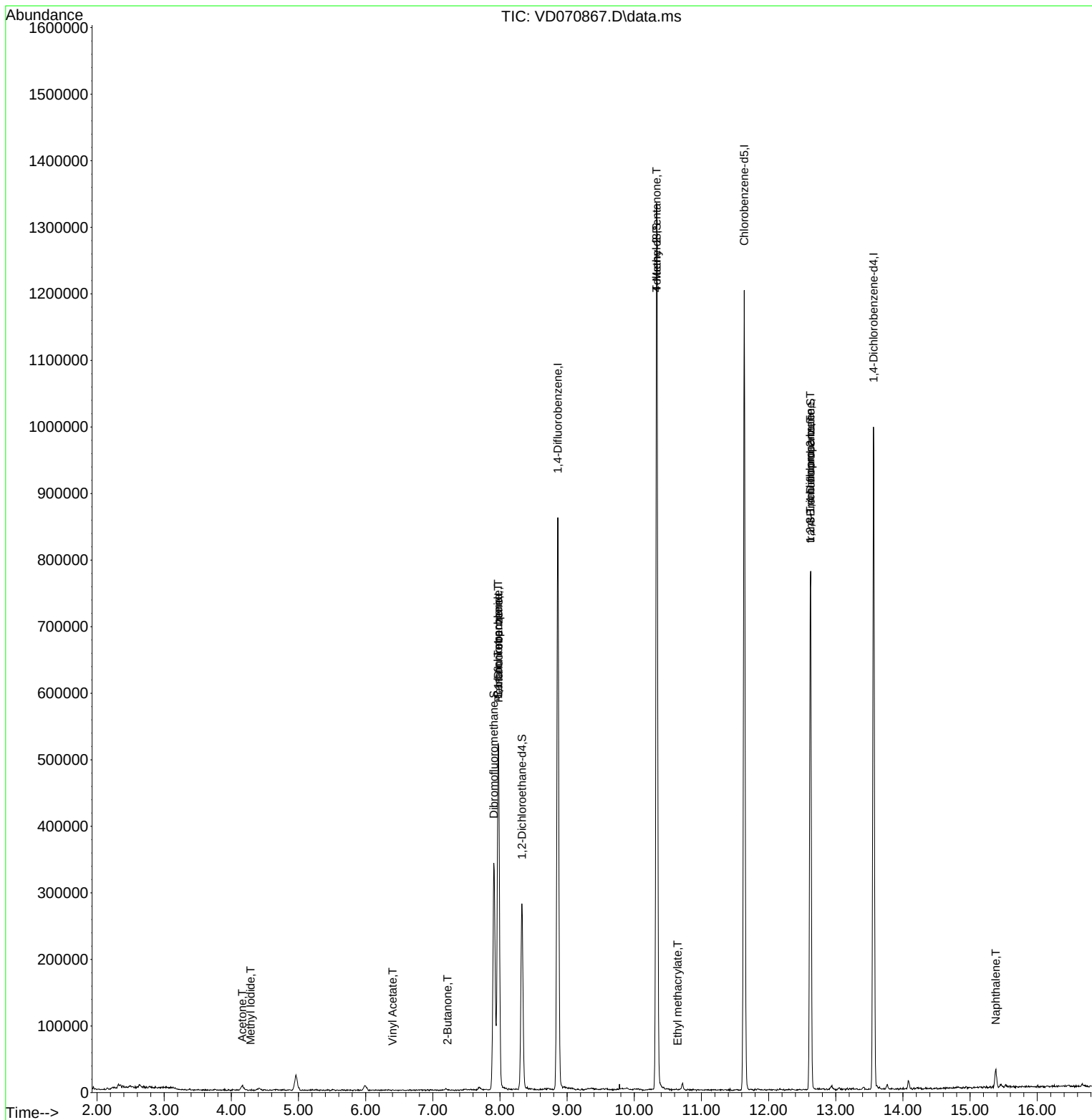
Quant Time: Oct 28 03:57:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

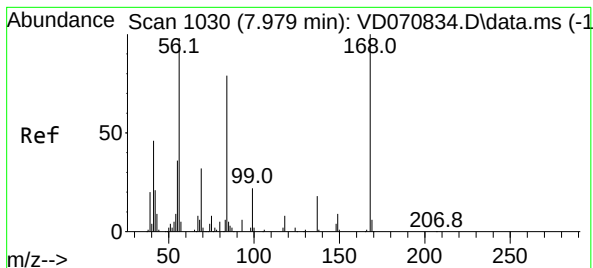
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	409991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	726521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	701721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	278018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	216248	52.443	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 104.880%		
35) Dibromofluoromethane	7.909	113	244291	50.997	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 102.000%		
50) Toluene-d8	10.332	98	936502	51.965	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 103.920%		
62) 4-Bromofluorobenzene	12.626	95	271898	45.726	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 91.460%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	1456	Below Cal	#	29
10) Methyl Iodide	4.285	142	151	3.638	ug/l #	4
16) Acetone	4.162	43	11326	11.806	ug/l #	86
20) Methylene Chloride	4.956	84	17428	Below Cal	#	78
23) Vinyl Acetate	6.403	43	99	14.429	ug/l #	72
25) 2-Butanone	7.220	43	1313	1.112	ug/l #	45
36) 1,1-Dichloropropene	7.973	75	31721	4.173	ug/l #	50
38) Carbon Tetrachloride	7.973	117	40996	5.363	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	3321	1.206	ug/l #	1
56) Ethyl methacrylate	10.644	69	365	2.911	ug/l #	28
76) 1,2,3-Trichloropropane	12.620	75	123583	45.155	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	123583	118.517	ug/l #	18
95) Naphthalene	15.385	128	24766	6.727	ug/l	100

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

Quant Time: Oct 28 03:57:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
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Response via : Initial Calibration

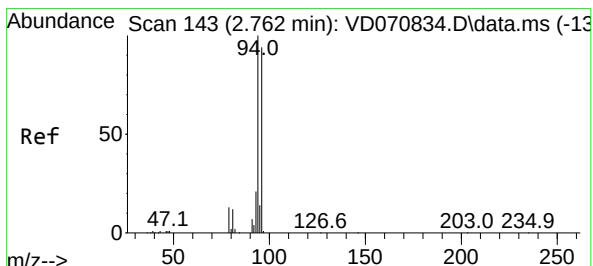
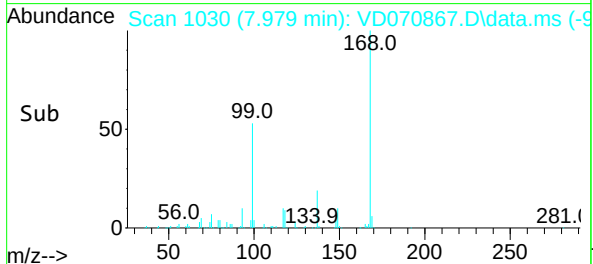
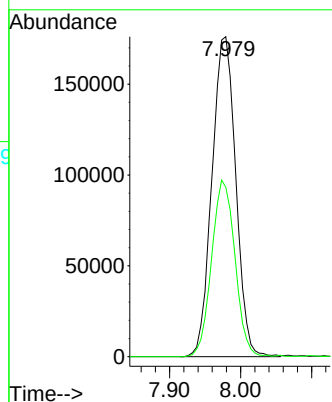
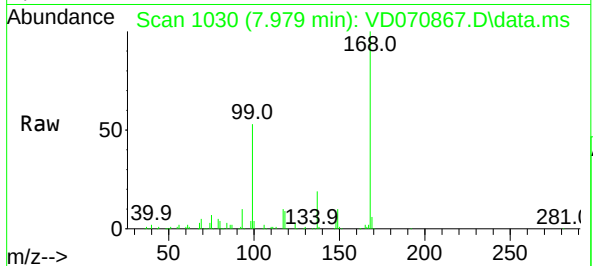




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

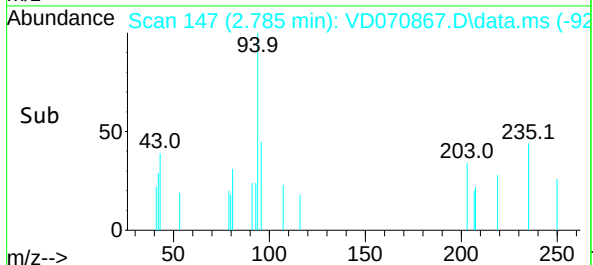
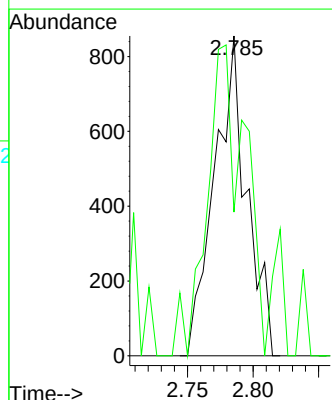
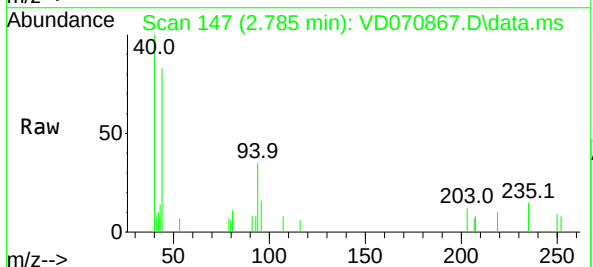
Instrument :
MSVOA_D
ClientSampleId :

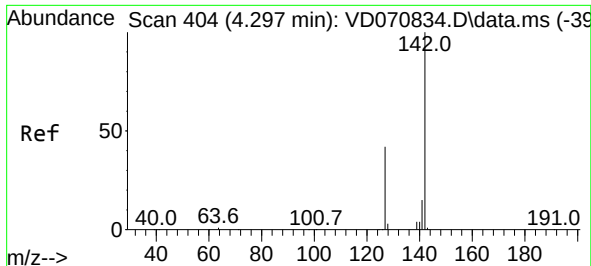
Tgt Ion:168 Resp: 409991
Ion Ratio Lower Upper
168 100
99 53.0 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Tgt Ion: 94 Resp: 1456
Ion Ratio Lower Upper
94 100
96 25.3 74.8 112.2#

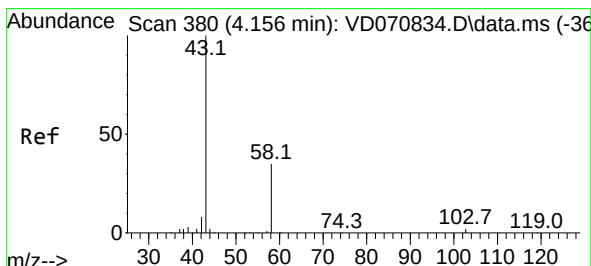
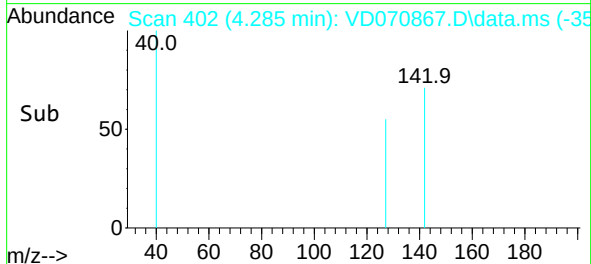
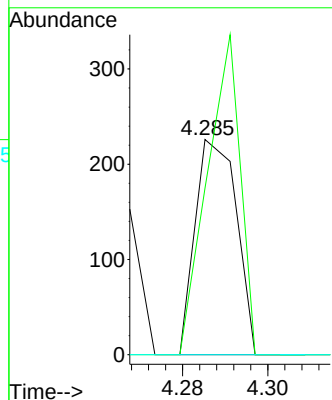
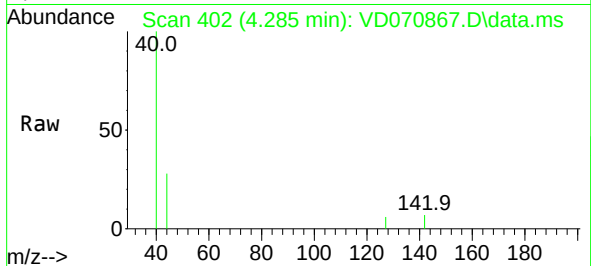




#10
Methyl Iodide
Concen: 3.638 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

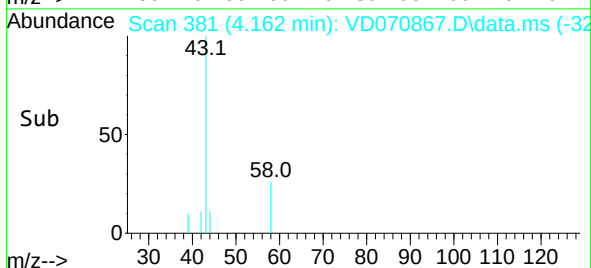
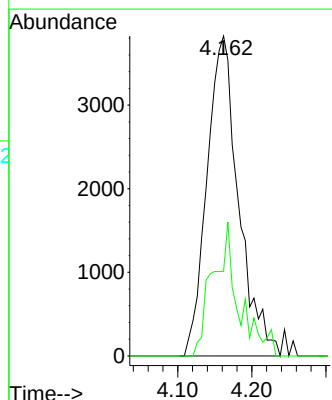
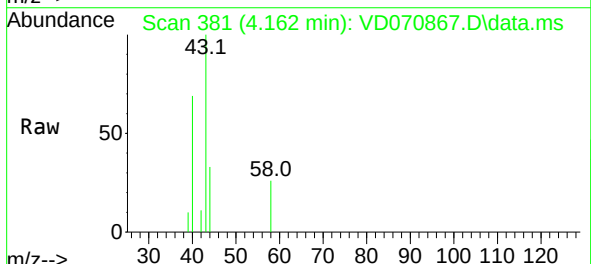
Instrument :
MSVOA_D
ClientSampled :

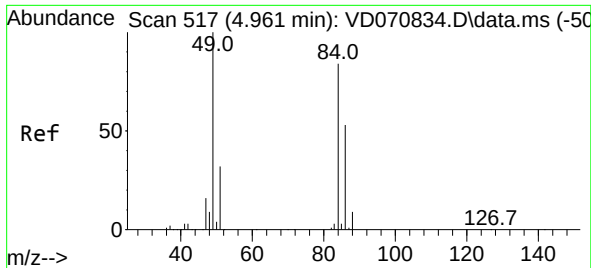
Tgt Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
127 119.2 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 11.806 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

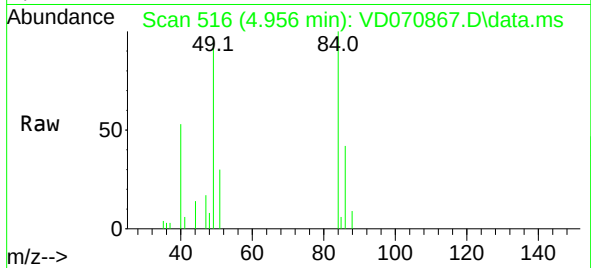
Tgt Ion: 43 Resp: 11326
Ion Ratio Lower Upper
43 100
58 26.4 27.8 41.8#



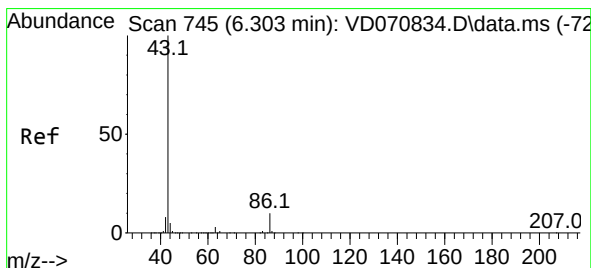
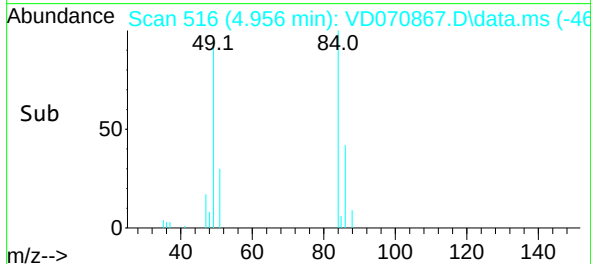
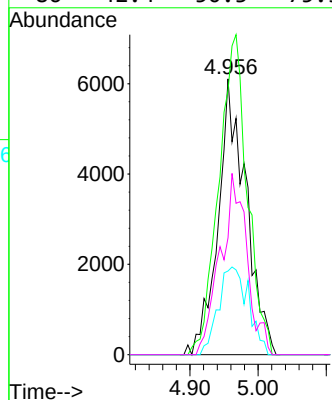


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.005 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Instrument :
MSVOA_D
ClientSampleId :

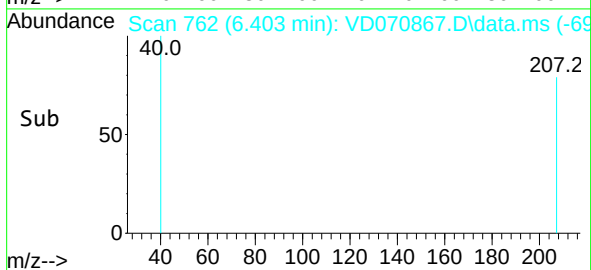
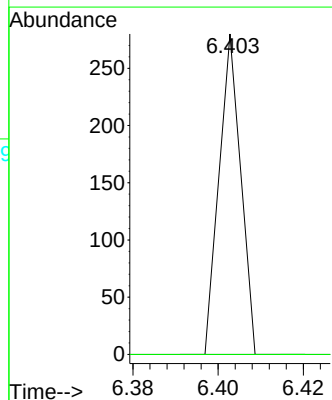
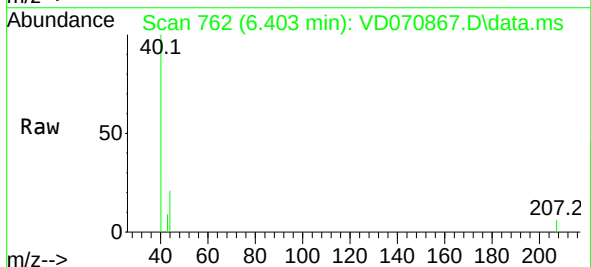


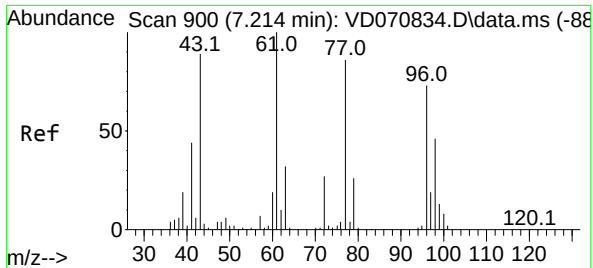
Tgt Ion:	84	Resp:	17428
Ion	Ratio	Lower	Upper
84	100		
49	95.8	95.8	143.6
51	30.3	30.9	46.3#
86	42.4	50.3	75.5#



#23
Vinyl Acetate
Concen: 14.429 ug/l
RT: 6.403 min Scan# 762
Delta R.T. 0.100 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Tgt Ion:	43	Resp:	99
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

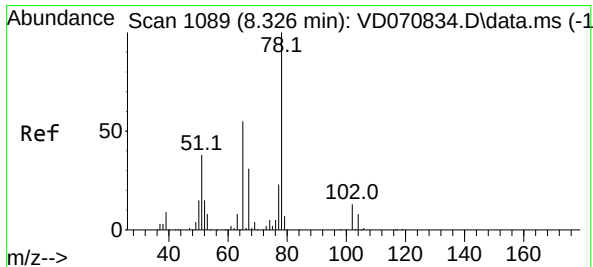
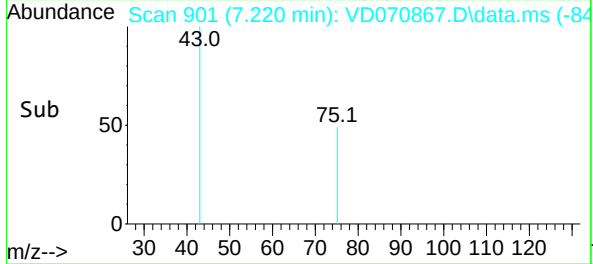
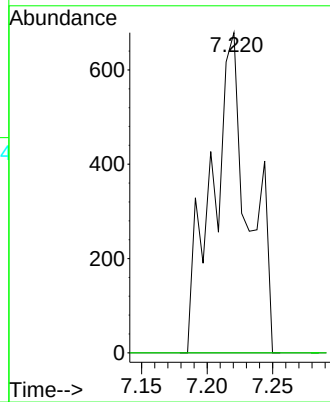
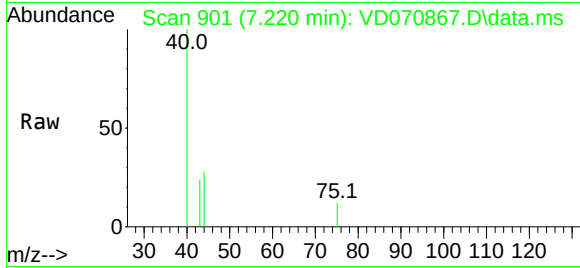




#25
2-Butanone
Concen: 1.112 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

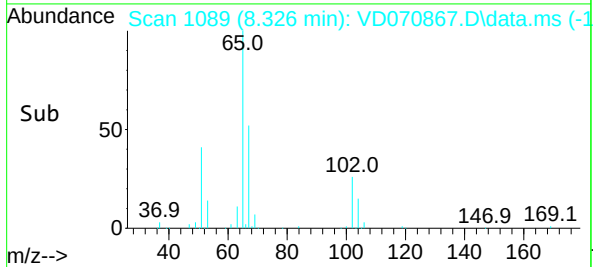
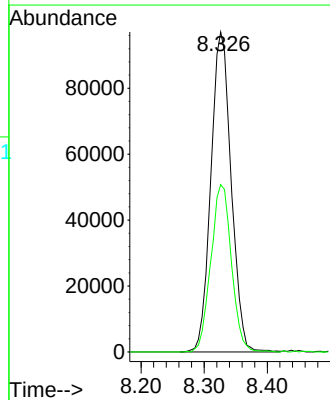
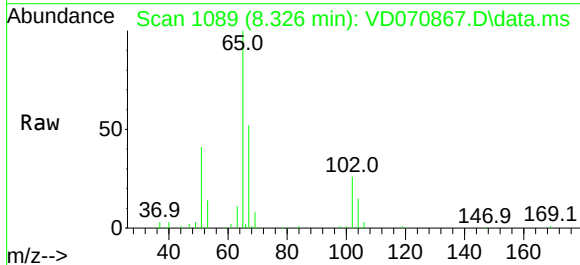
Instrument :
MSVOA_D
ClientSampleId :

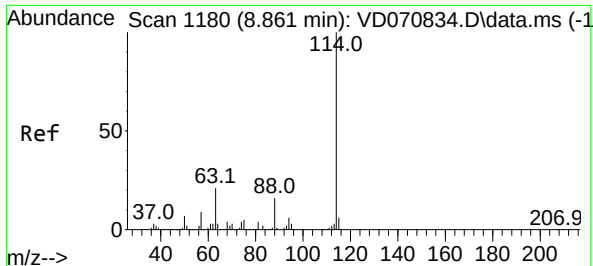
Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#33
1,2-Dichloroethane-d4
Concen: 52.443 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Tgt Ion: 65 Resp: 216248
Ion Ratio Lower Upper
65 100
67 53.1 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: VD070867.D

Acq: 27 Oct 2021 16:44

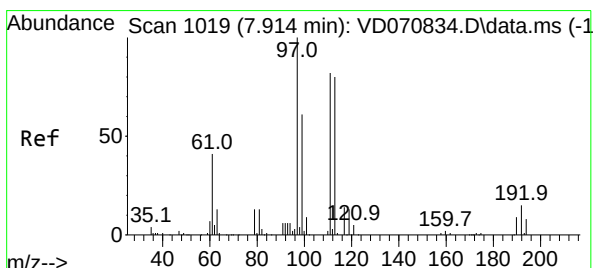
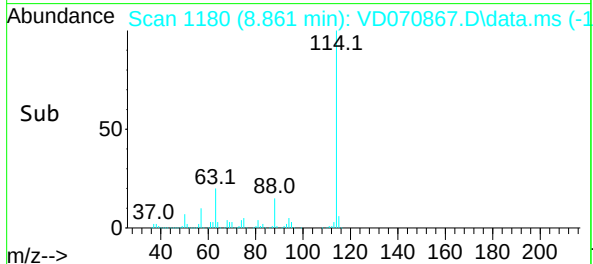
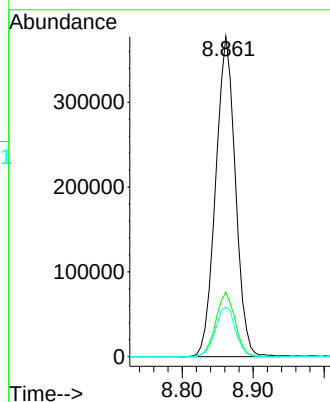
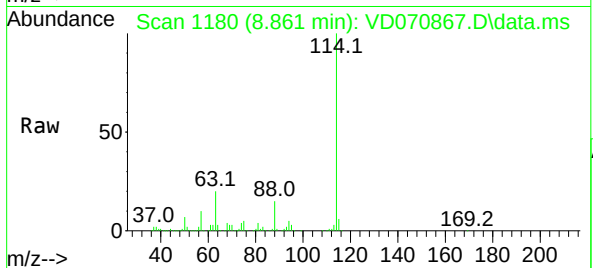
Tgt Ion:114 Resp: 726521

Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.8

88 15.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.997 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070867.D

Acq: 27 Oct 2021 16:44

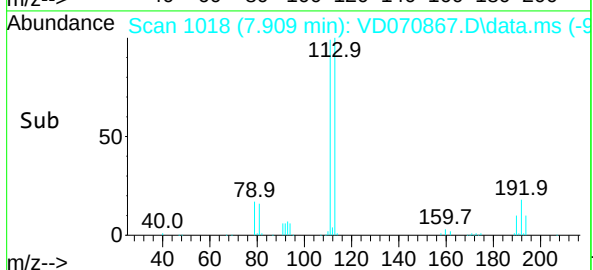
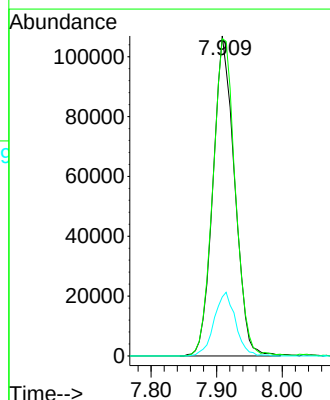
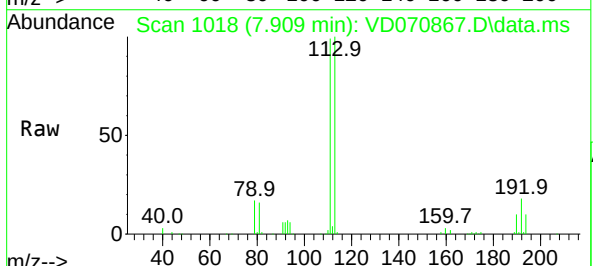
Tgt Ion:113 Resp: 244291

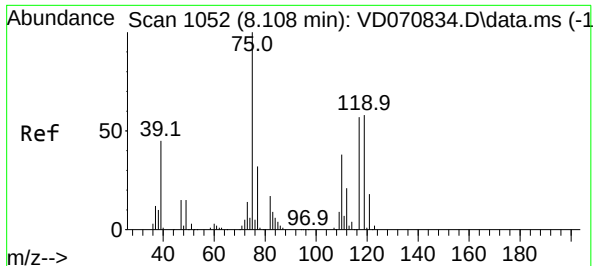
Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 19.8 15.2 22.8



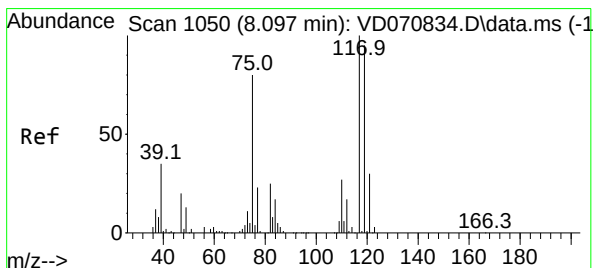
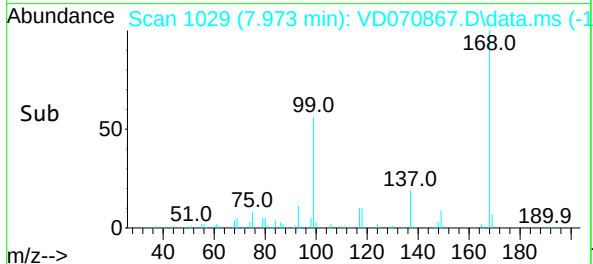
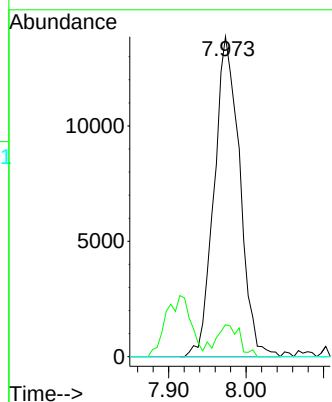
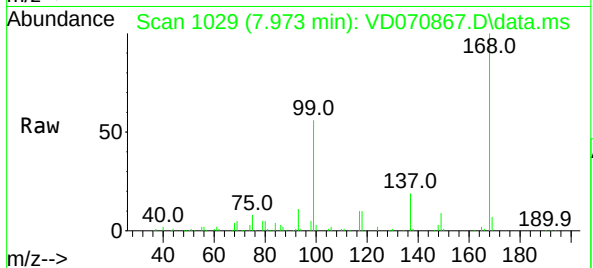


#36

1,1-Dichloropropene
Concen: 4.173 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Instrument :
MSVOA_D
ClientSampleId :

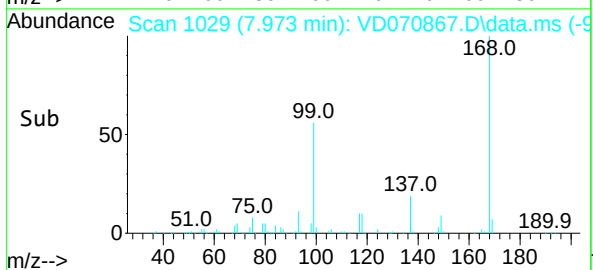
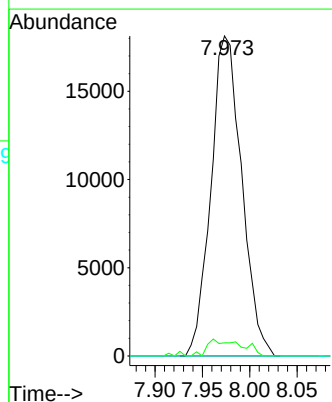
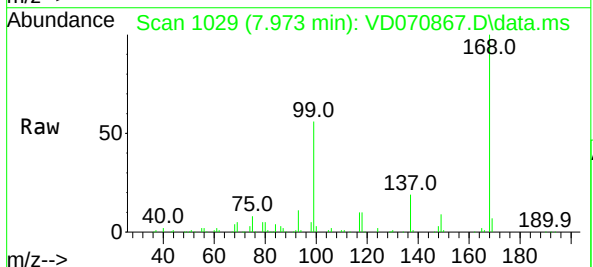
Tgt Ion: 75 Resp: 31721
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.4#
77 0.0 24.8 37.2#

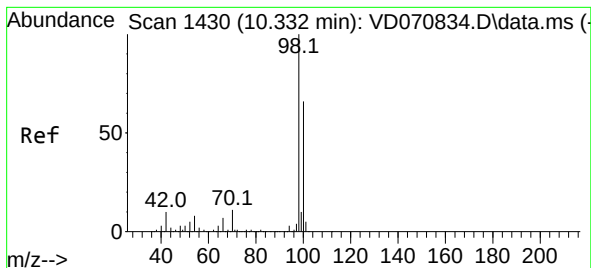


#38

Carbon Tetrachloride
Concen: 5.363 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Tgt Ion: 117 Resp: 40996
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 23.6 35.4#

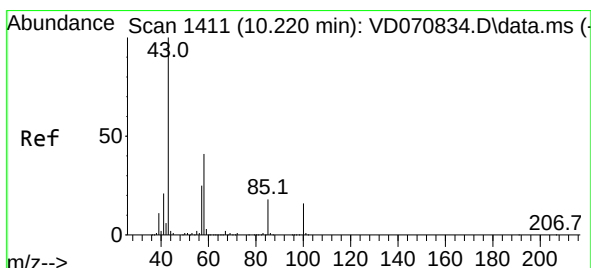
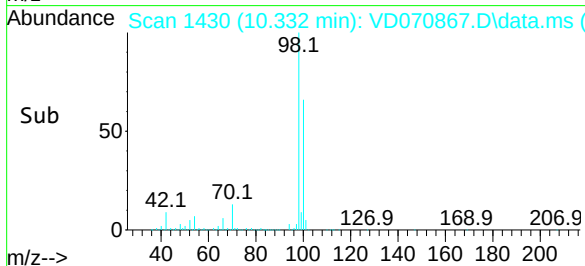
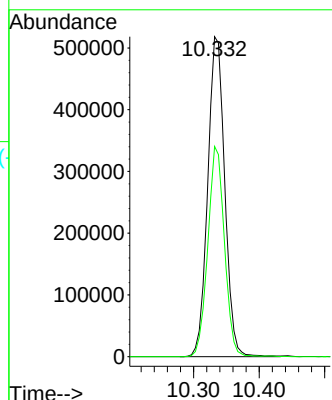
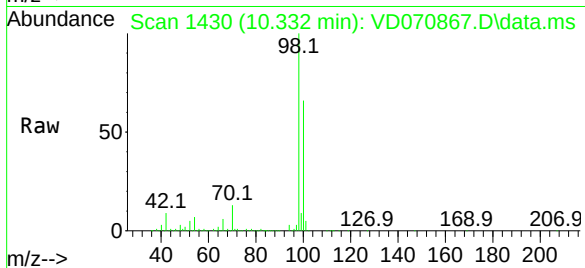




#50
Toluene-d8
Concen: 51.965 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

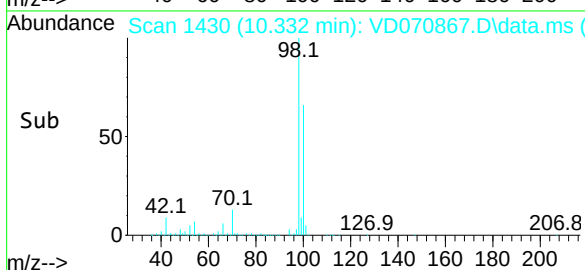
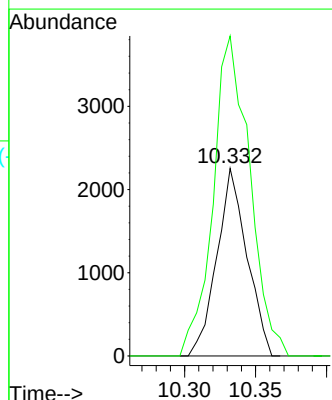
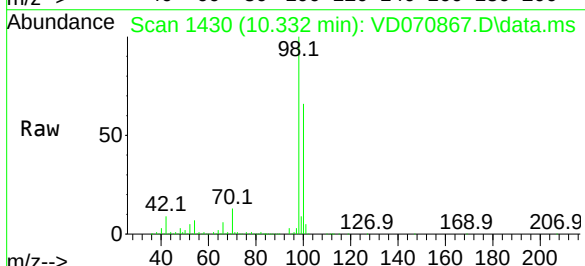
Instrument :
MSVOA_D
ClientSampled :

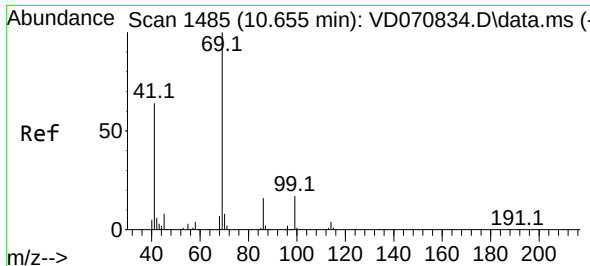
Tgt Ion: 98 Resp: 936502
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.206 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Tgt Ion: 43 Resp: 3321
Ion Ratio Lower Upper
43 100
58 207.3 33.1 49.7#

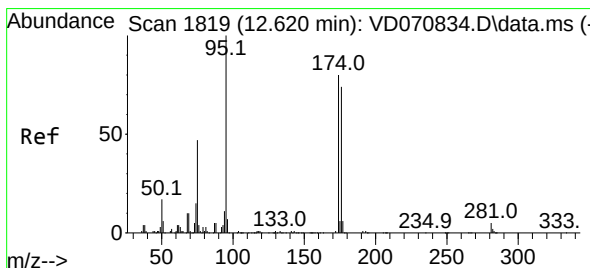
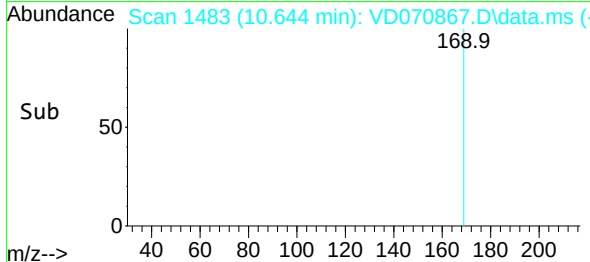
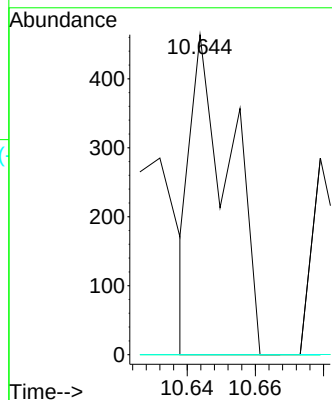
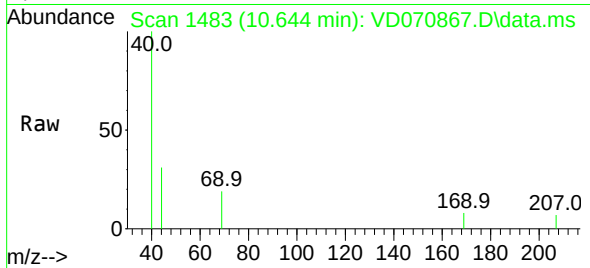




#56
Ethyl methacrylate
Concen: 2.911 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.011 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

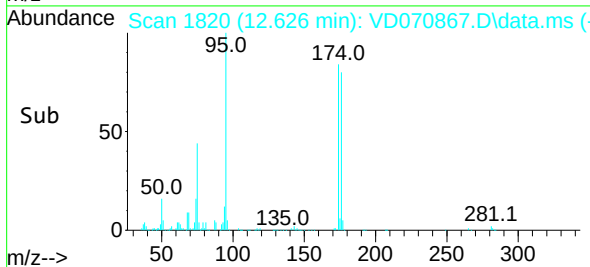
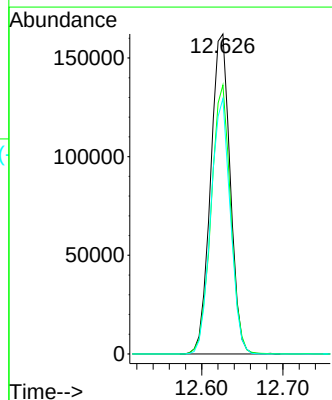
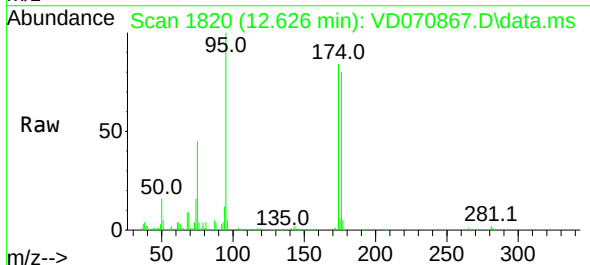
Instrument :
MSVOA_D
ClientSampleId :

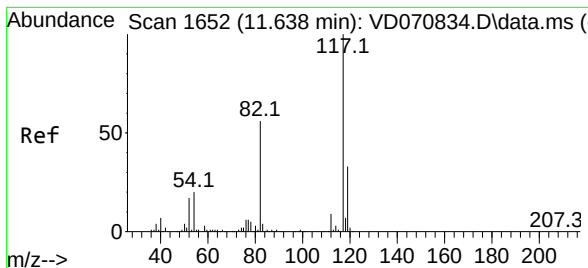
Tgt Ion:	69	Resp:	365
Ion	Ratio	Lower	Upper
69	100		
41	0.0	50.2	75.2#
39	0.0	19.8	29.8#



#62
4-Bromofluorobenzene
Concen: 45.726 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Tgt Ion:	95	Resp:	271898
Ion	Ratio	Lower	Upper
95	100		
174	83.4	0.0	159.4
176	79.2	0.0	154.0

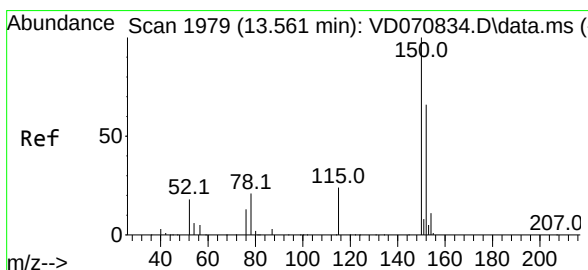
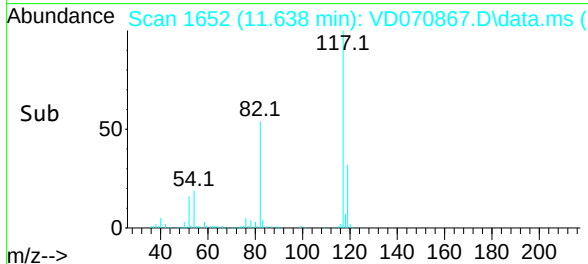
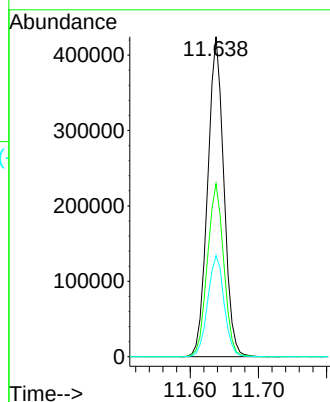
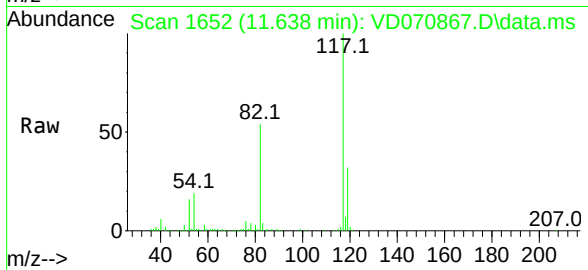




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

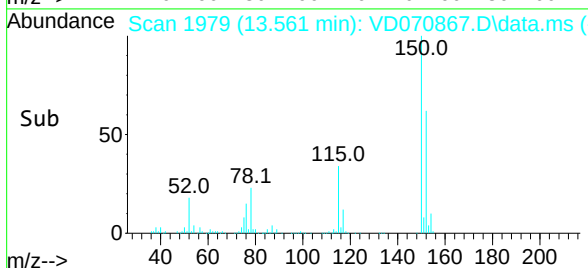
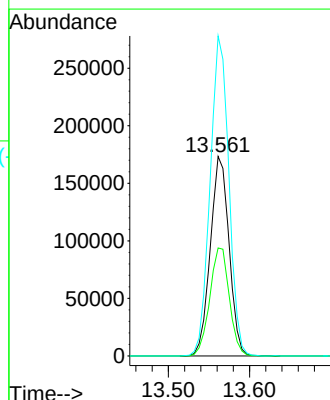
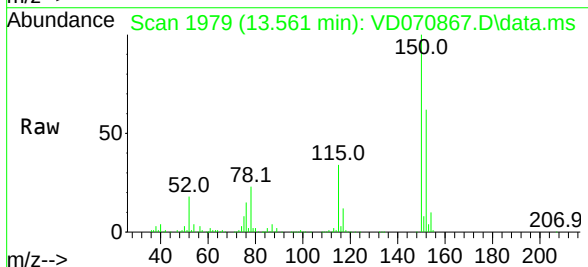
Instrument :
MSVOA_D
ClientSampleId :

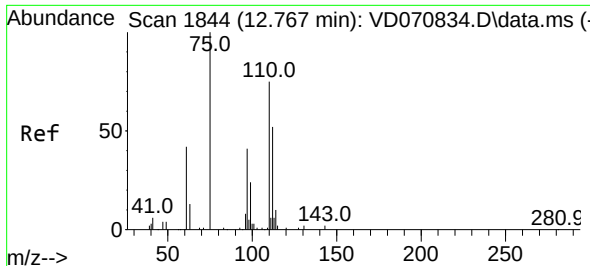
Tgt Ion:117 Resp: 701721
Ion Ratio Lower Upper
117 100
82 54.1 44.7 67.1
119 31.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Tgt Ion:152 Resp: 278018
Ion Ratio Lower Upper
152 100
115 56.3 29.8 89.3
150 160.0 0.0 349.2

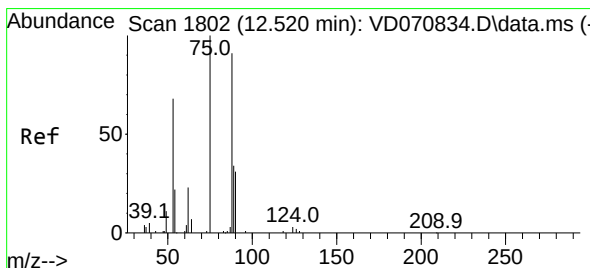
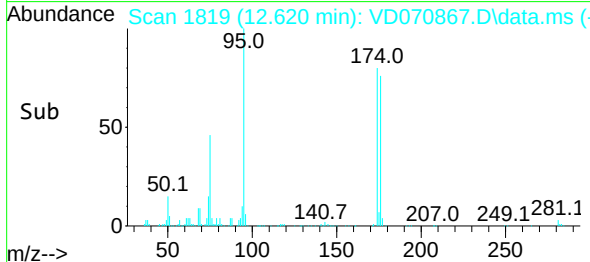
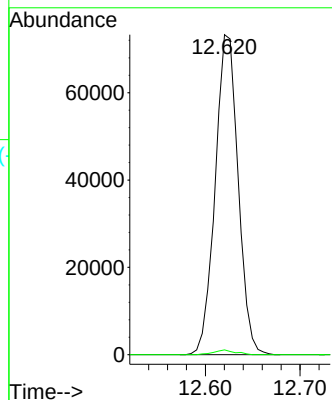
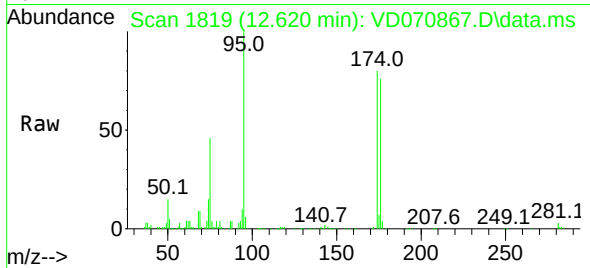




#76
1,2,3-Trichloropropane
Concen: 45.155 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

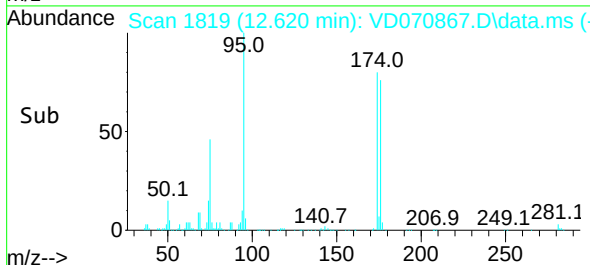
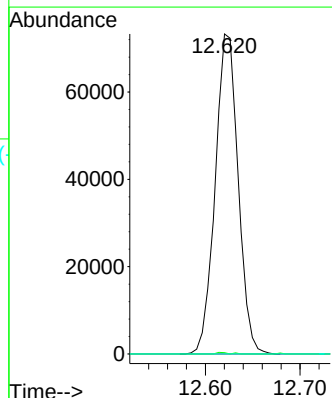
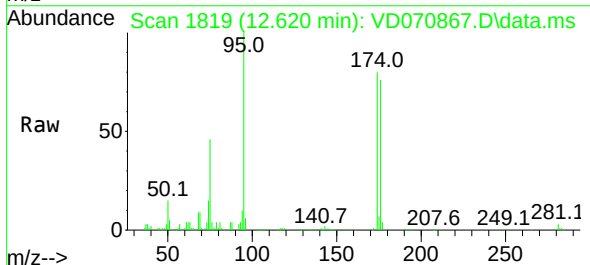
Instrument :
MSVOA_D
ClientSampleId :

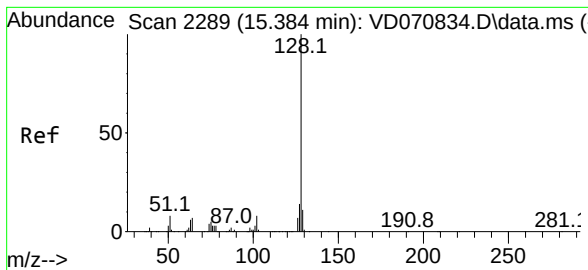
Tgt Ion: 75 Resp: 123583
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.517 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Tgt Ion: 75 Resp: 123583
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 6.727 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD070867.D
Acq: 27 Oct 2021 16:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 24766
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 10.8 8.7 13.1

