

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080221\
 Data File : VD069944.D
 Acq On : 02 Aug 2021 09:31
 Operator : VA/SY
 Sample : VD0802SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 03 02:53:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

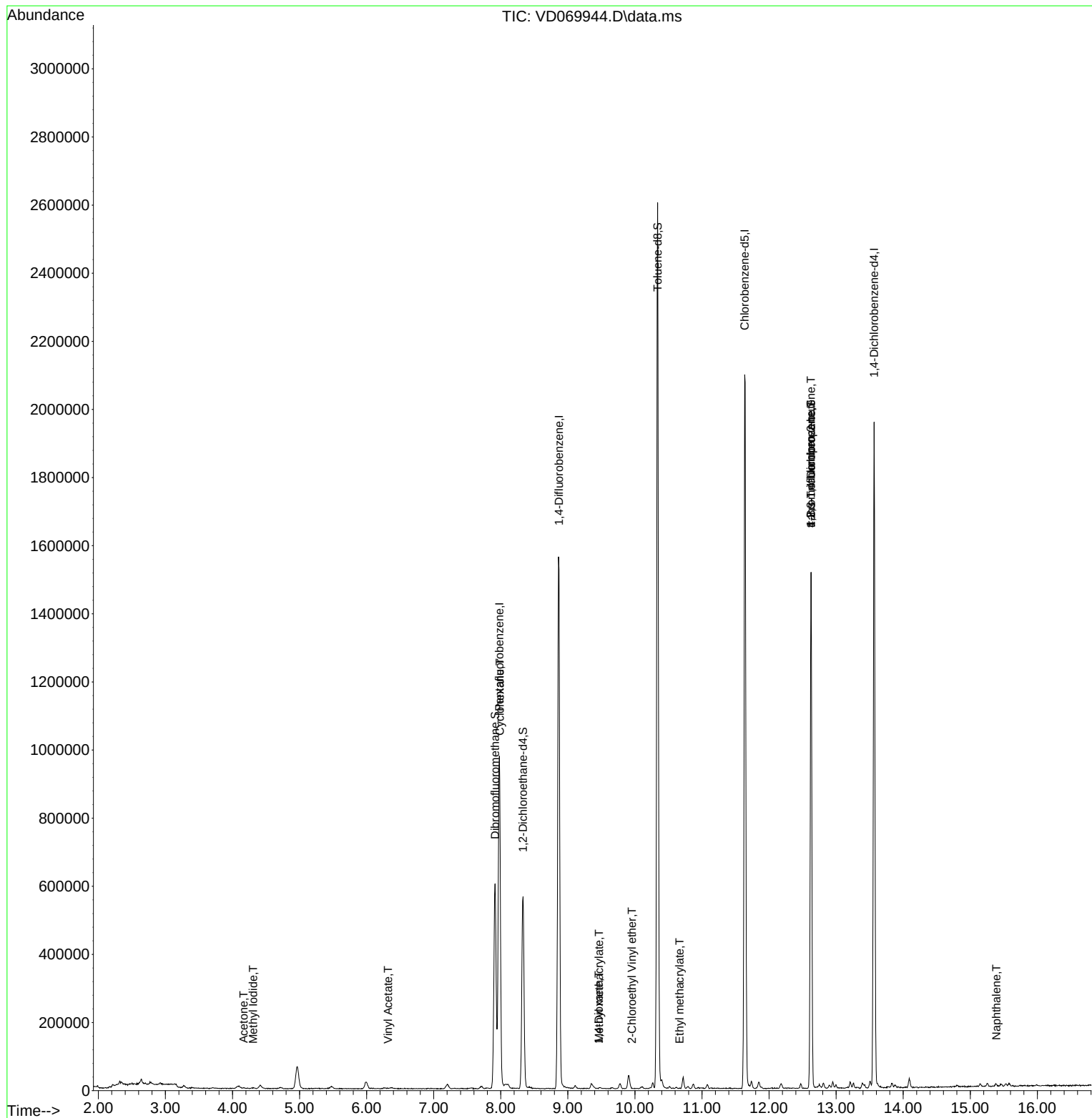
Internal Standards						
1) Pentafluorobenzene	7.979	168	693931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1372784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1232910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	510566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	453229	56.790	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.580%	
35) Dibromofluoromethane	7.914	113	450572	52.065	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.140%	
50) Toluene-d8	10.338	98	1760056	52.745	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.480%	
62) 4-Bromofluorobenzene	12.626	95	524844	47.062	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.120%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	5519	Below Cal	#	79
10) Methyl Iodide	4.309	142	3145	3.802	ug/l #	75
16) Acetone	4.167	43	4063	2.818	ug/l #	70
20) Methylene Chloride	4.962	84	52948	Below Cal		97
23) Vinyl Acetate	6.320	43	1966	20.479	ug/l #	71
31) Cyclohexane	7.985	56	19774	1.268	ug/l #	1
48) Methyl methacrylate	9.467	41	250	2.793	ug/l #	31
49) 1,4-Dioxane	9.461	88	190	3.245	ug/l #	21
56) Ethyl methacrylate	10.667	69	579	3.951	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.955	63	1181	21.124	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	253150	46.647	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	253150	141.514	ug/l #	16
95) Naphthalene	15.390	128	5917	5.318	ug/l	98

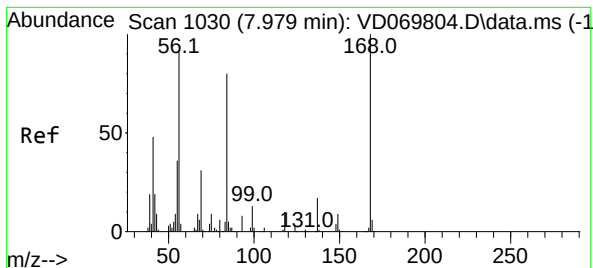
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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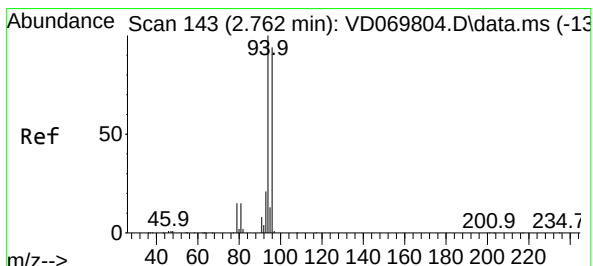
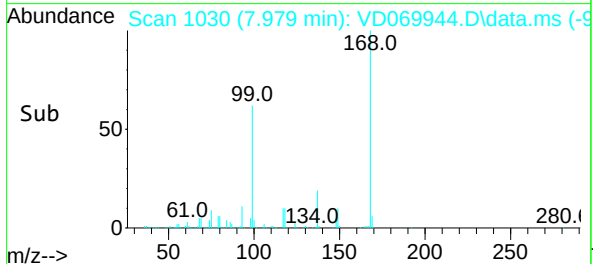
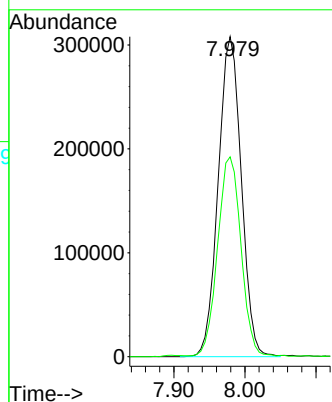
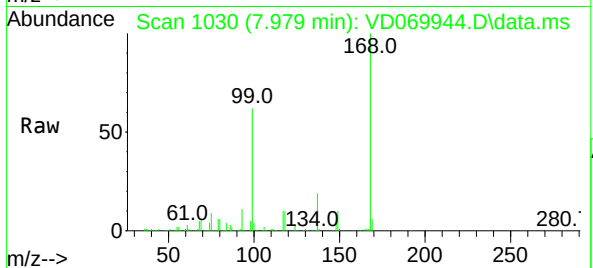




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

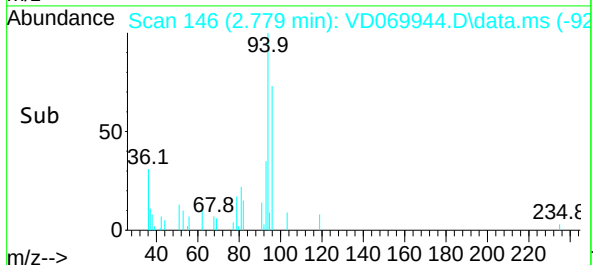
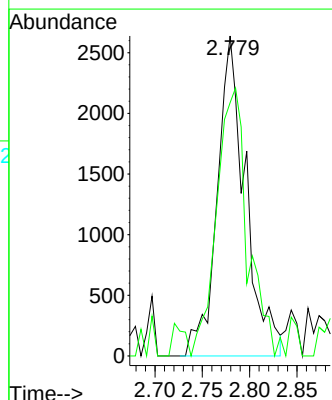
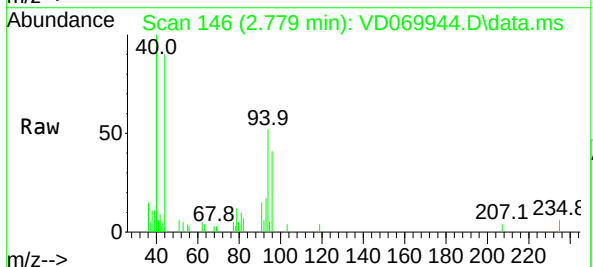
Instrument :
MSVOA_D
ClientSampled :

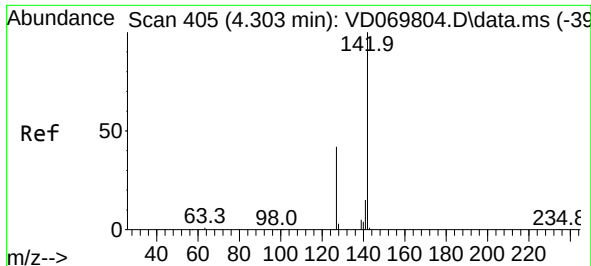
Tgt Ion:168 Resp: 693931
Ion Ratio Lower Upper
168 100
99 62.1 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

Tgt Ion: 94 Resp: 5519
Ion Ratio Lower Upper
94 100
96 73.4 74.8 112.2#

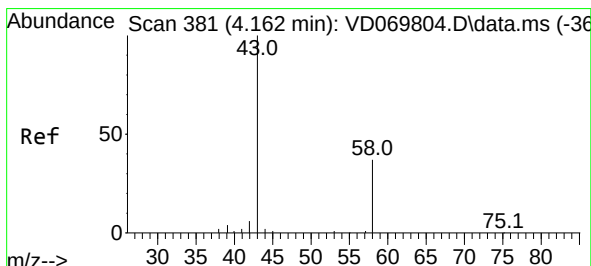
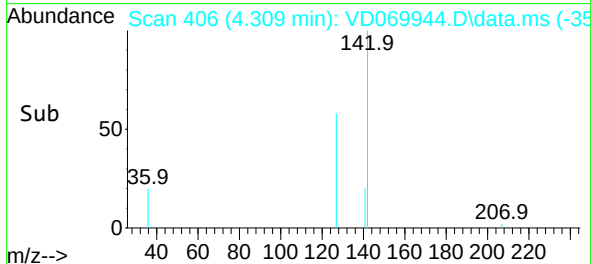
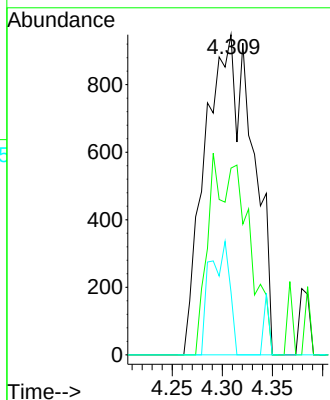
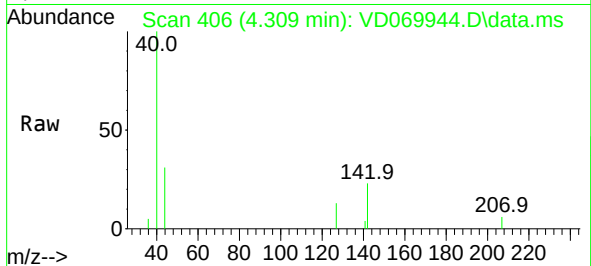




#10
Methyl Iodide
Concen: 3.802 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

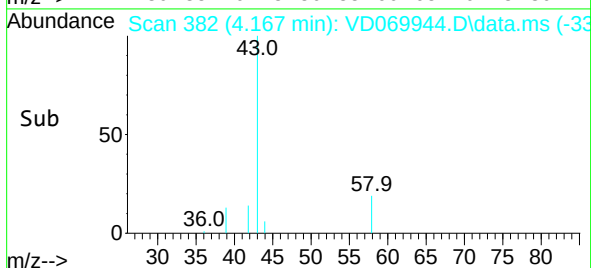
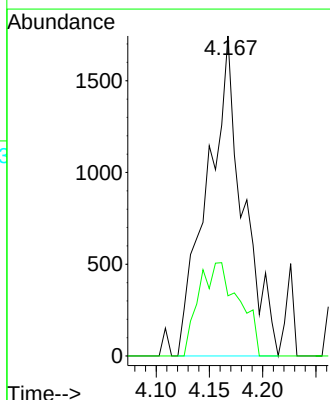
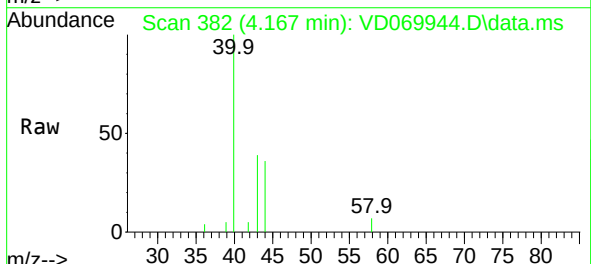
Instrument :
MSVOA_D
ClientSampled :

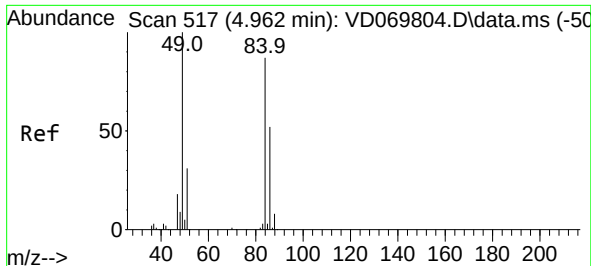
Tgt Ion:142 Resp: 3145
Ion Ratio Lower Upper
142 100
127 22.7 35.7 53.5#
141 14.7 12.0 18.0



#16
Acetone
Concen: 2.818 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

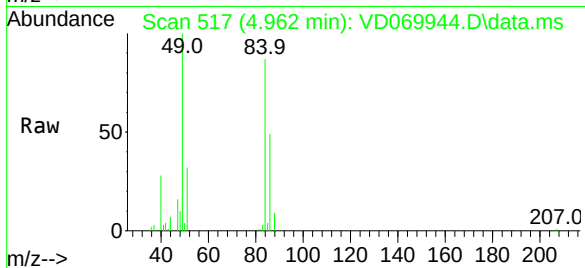
Tgt Ion: 43 Resp: 4063
Ion Ratio Lower Upper
43 100
58 18.8 29.4 44.0#



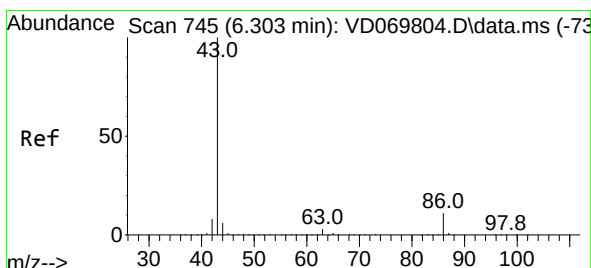
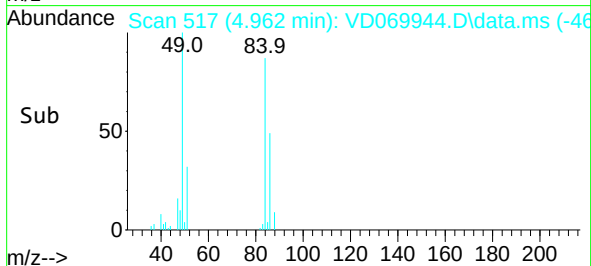
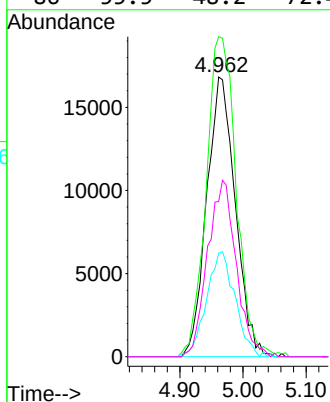


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

Instrument :
MSVOA_D
ClientSampled :

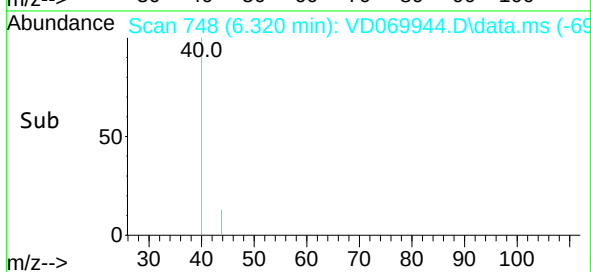
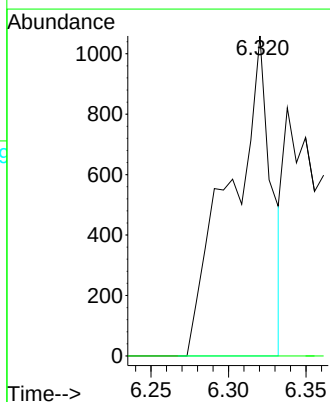
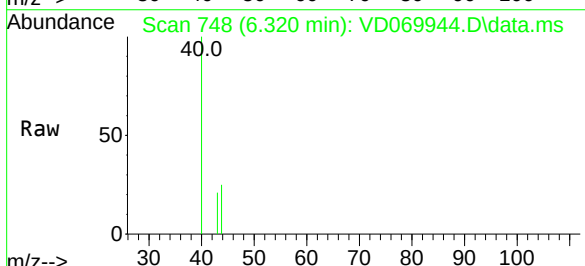


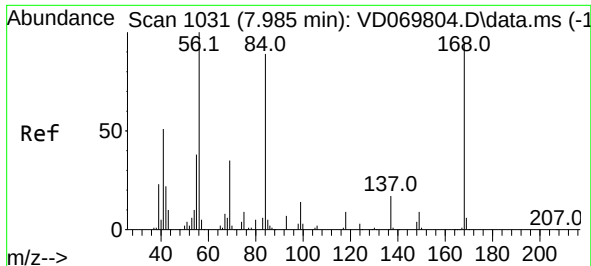
Tgt Ion:	84	Resp:	52948
Ion	Ratio	Lower	Upper
84	100		
49	114.4	92.4	138.6
51	37.0	28.5	42.7
86	55.5	48.2	72.4



#23
Vinyl Acetate
Concen: 20.479 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

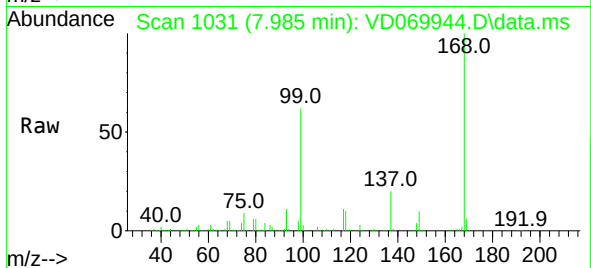
Tgt Ion:	43	Resp:	1966
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



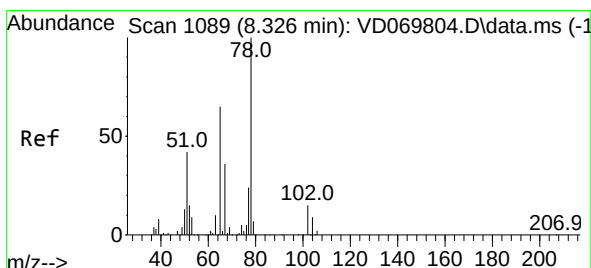
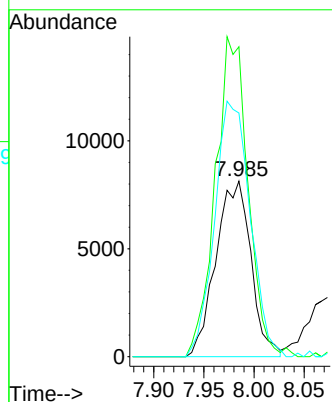
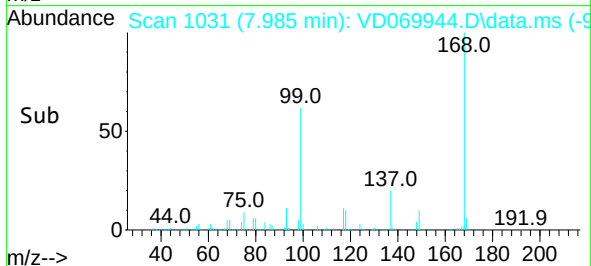


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

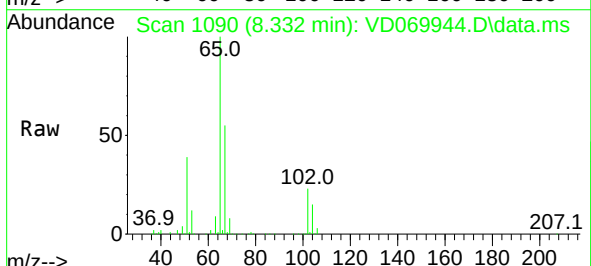
Instrument :
MSVOA_D
ClientSampled :



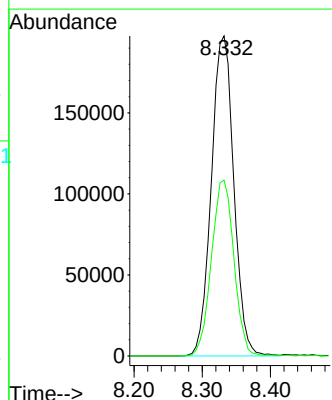
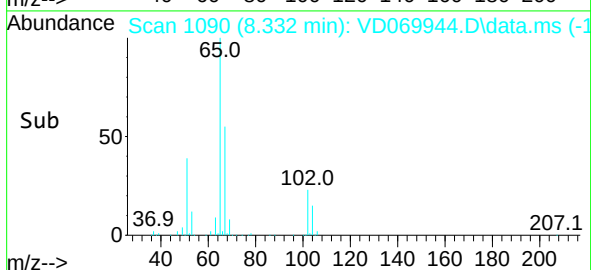
Tgt Ion: 56 Resp: 19774
Ion Ratio Lower Upper
56 100
69 176.5 27.9 41.9#
84 138.8 71.4 107.2#

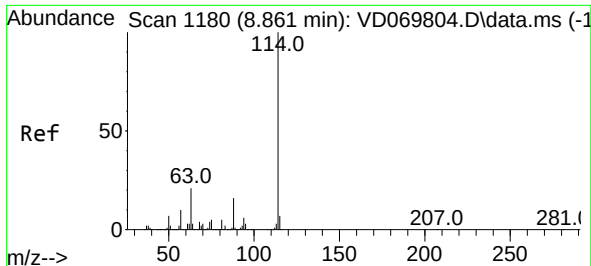


#33
1,2-Dichloroethane-d4
Concen: 56.790 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31



Tgt Ion: 65 Resp: 453229
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.2

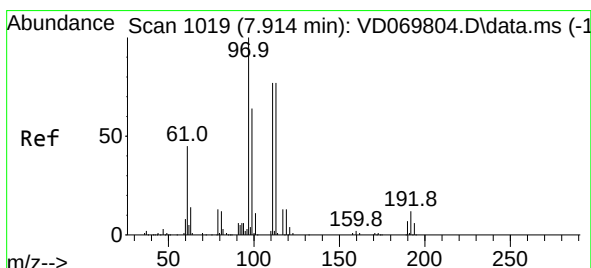
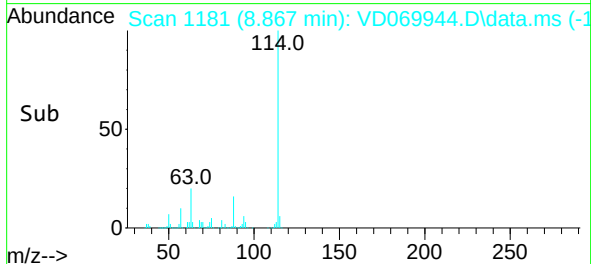
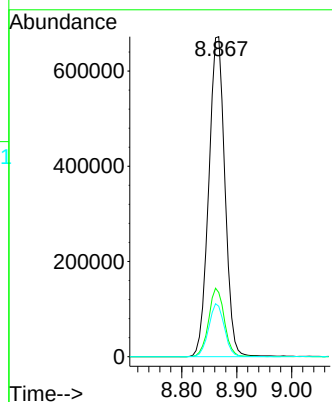
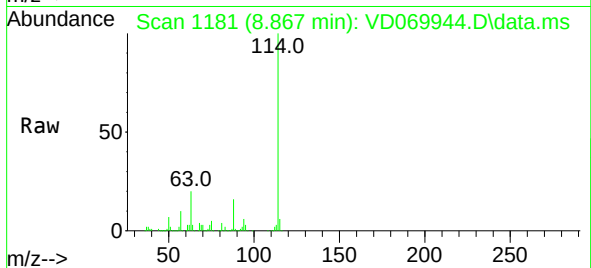




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

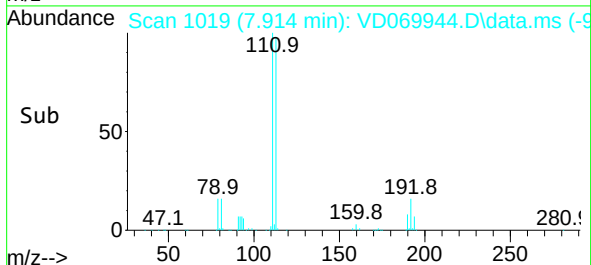
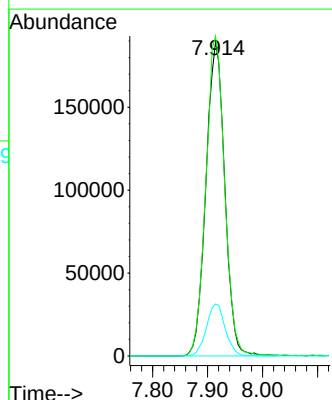
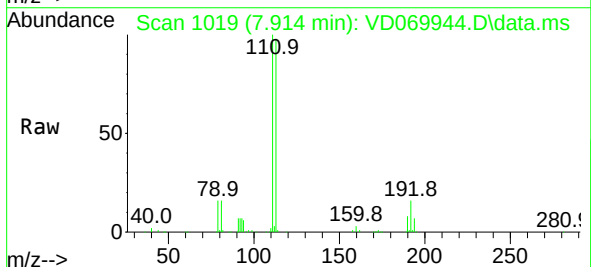
Instrument :
MSVOA_D
ClientSampled :

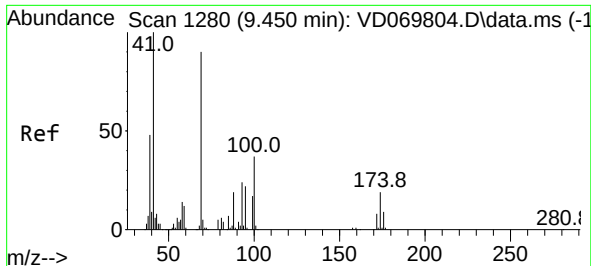
Tgt Ion:114 Resp: 1372784
Ion Ratio Lower Upper
114 100
63 20.1 0.0 41.6
88 15.8 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.065 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

Tgt Ion:113 Resp: 450572
Ion Ratio Lower Upper
113 100
111 101.8 80.5 120.7
192 16.7 12.6 19.0





#48

Methyl methacrylate

Concen: 2.793 ug/l

RT: 9.467 min Scan# 1283

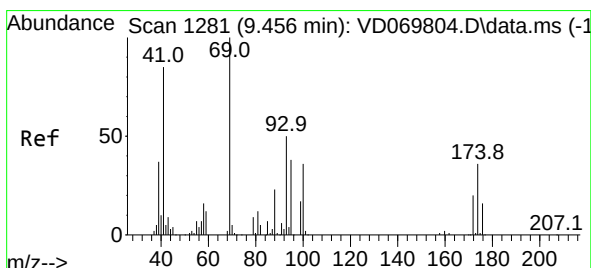
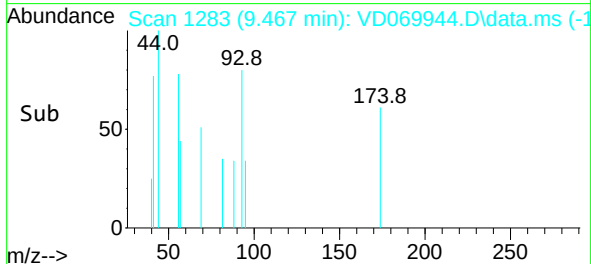
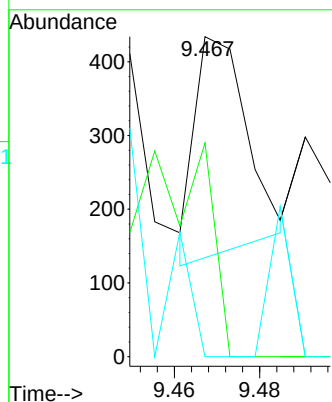
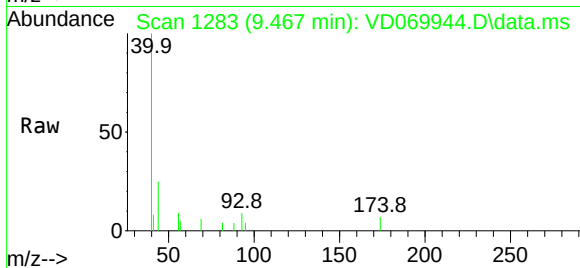
Delta R.T. 0.017 min

Lab File: VD069944.D

Acq: 02 Aug 2021 09:31

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	41	Resp:	250
Ion	Ratio	Lower	Upper
41	100		
69	174.8	73.4	110.2#
39	68.0	36.6	55.0#



#49

1,4-Dioxane

Concen: 3.245 ug/l

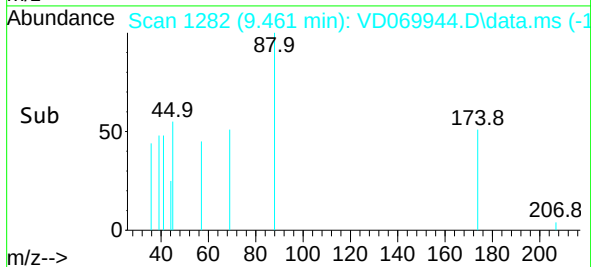
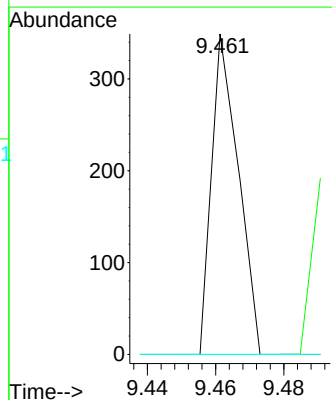
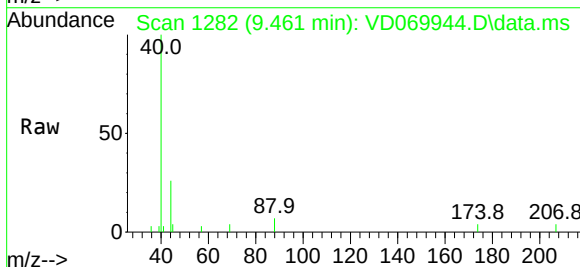
RT: 9.461 min Scan# 1282

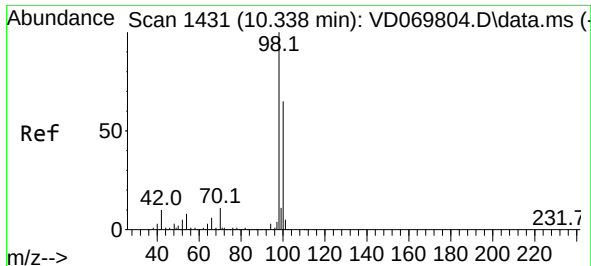
Delta R.T. 0.006 min

Lab File: VD069944.D

Acq: 02 Aug 2021 09:31

Tgt Ion:	88	Resp:	190
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.8	40.2#
58	0.0	59.8	89.6#

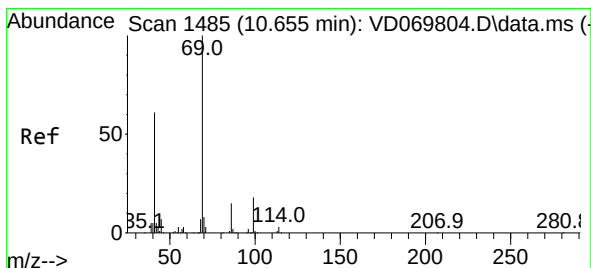
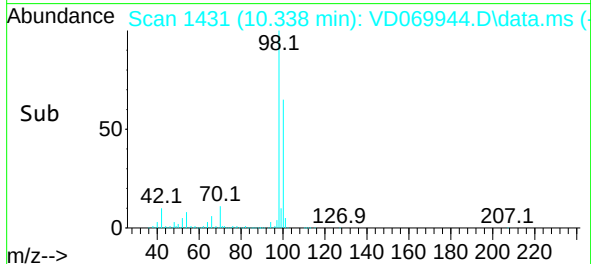
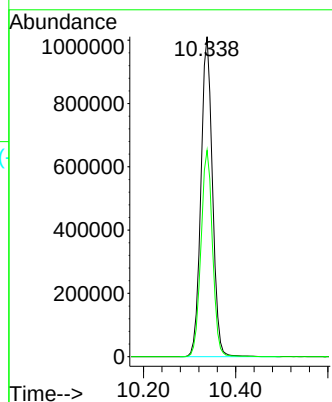
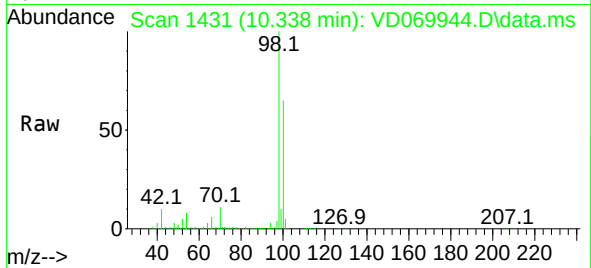




#50
Toluene-d8
Concen: 52.745 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

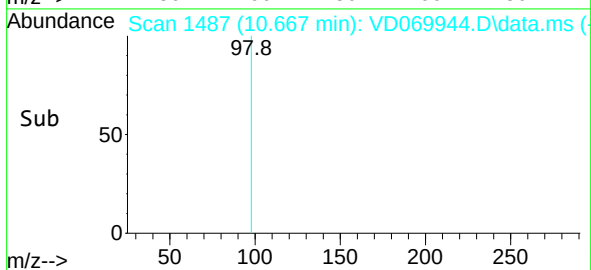
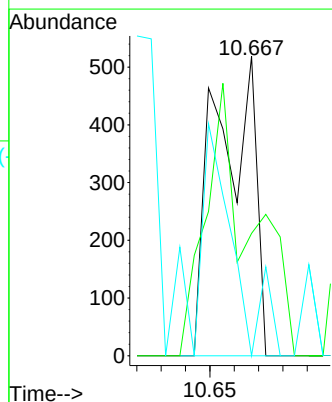
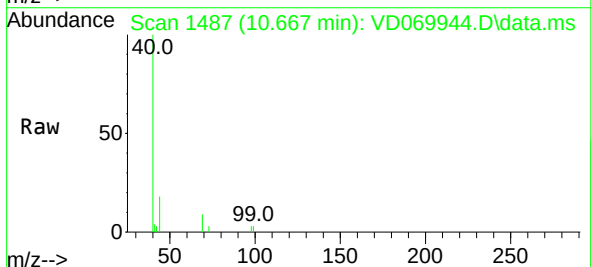
Instrument :
MSVOA_D
ClientSampleId :

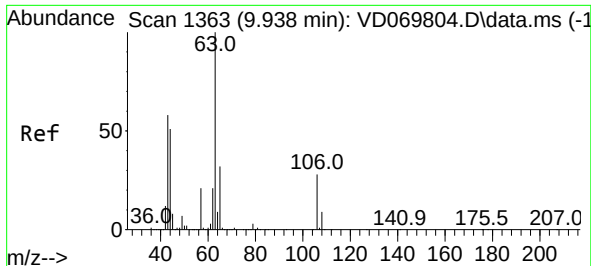
Tgt Ion: 98 Resp: 1760056
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.951 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

Tgt Ion: 69 Resp: 579
Ion Ratio Lower Upper
69 100
41 104.8 50.2 75.2#
39 61.0 22.0 33.0#

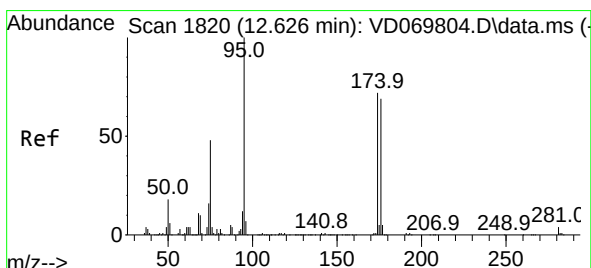
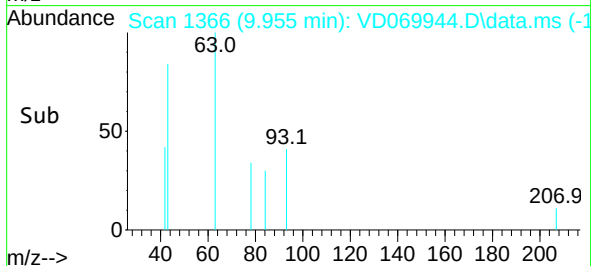
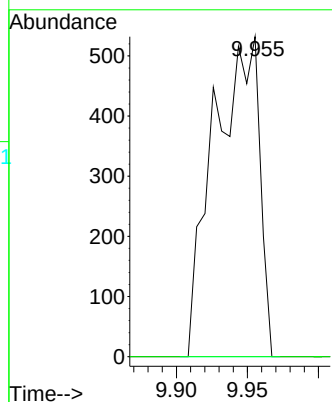
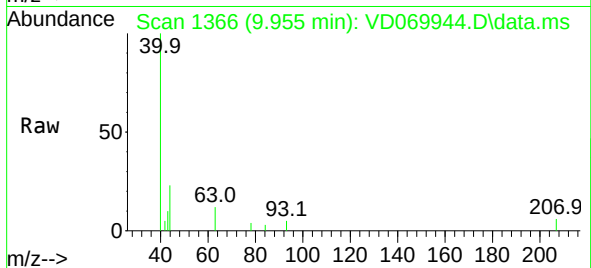




#58
2-Chloroethyl Vinyl ether
Concen: 21.124 ug/l
RT: 9.955 min Scan# 1366
Delta R.T. 0.017 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

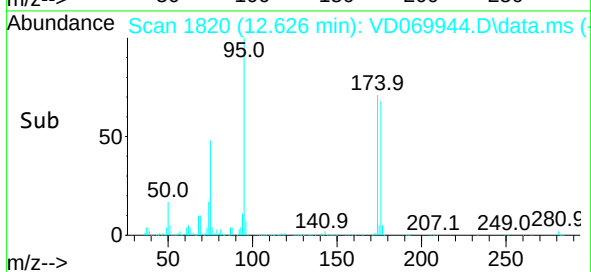
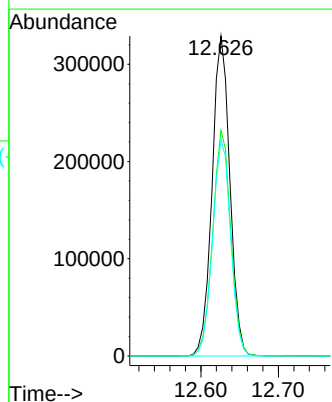
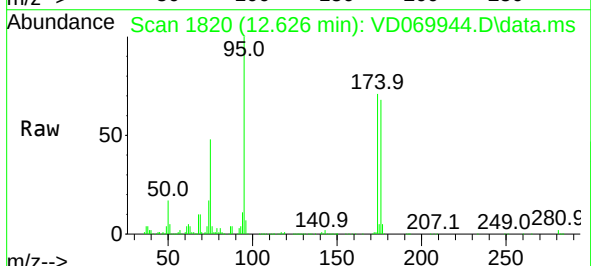
Instrument :
MSVOA_D
ClientSampleId :

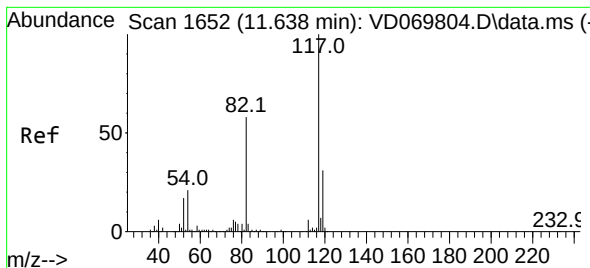
Tgt Ion: 63 Resp: 1181
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 47.062 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

Tgt Ion: 95 Resp: 524844
Ion Ratio Lower Upper
95 100
174 71.9 0.0 142.6
176 68.7 0.0 134.2

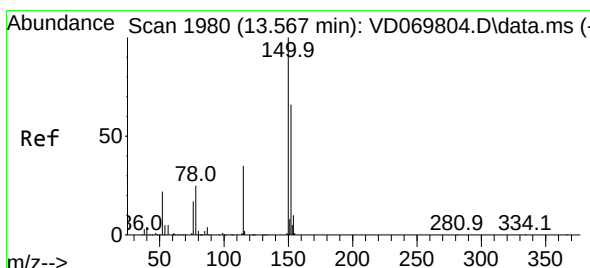
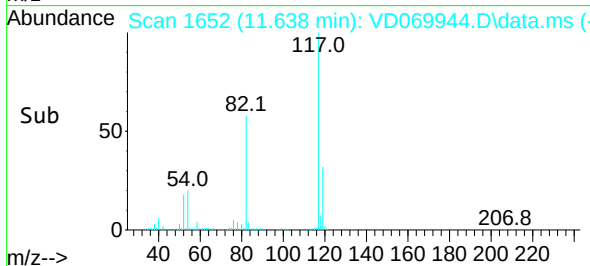
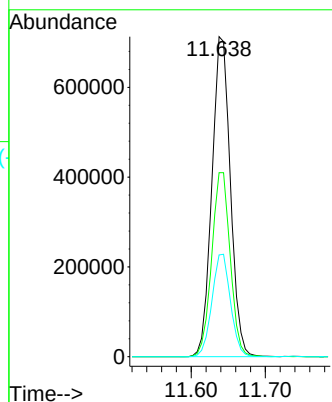
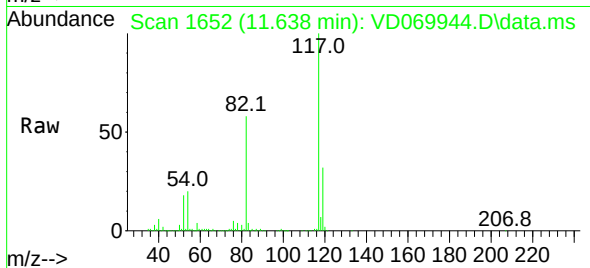




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

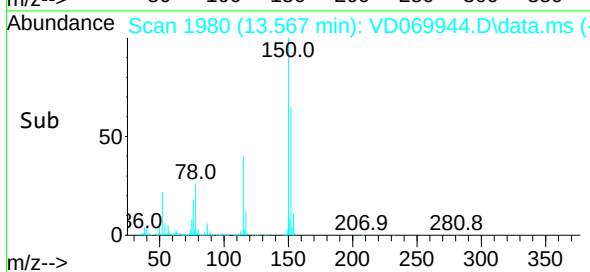
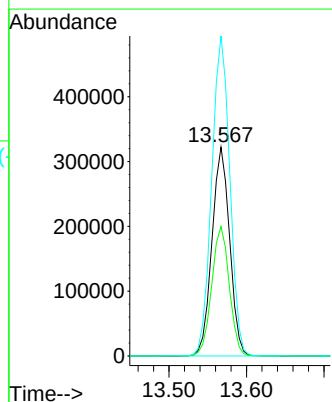
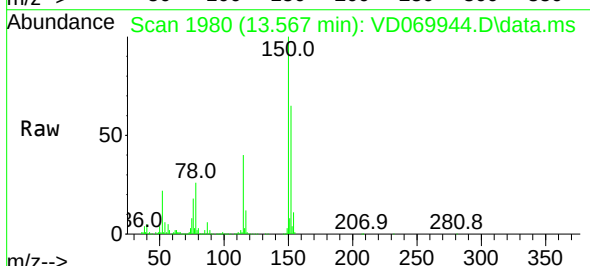
Instrument :
MSVOA_D
ClientSampleId :

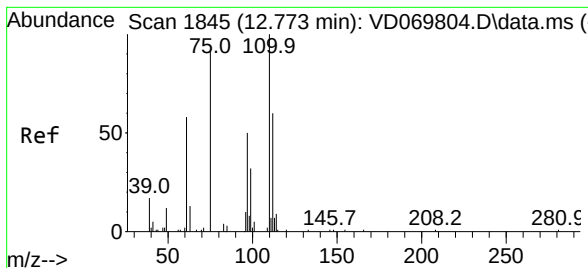
Tgt Ion:117 Resp: 1232910
Ion Ratio Lower Upper
117 100
82 57.5 46.3 69.5
119 31.8 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

Tgt Ion:152 Resp: 510566
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.3
150 156.7 0.0 343.0

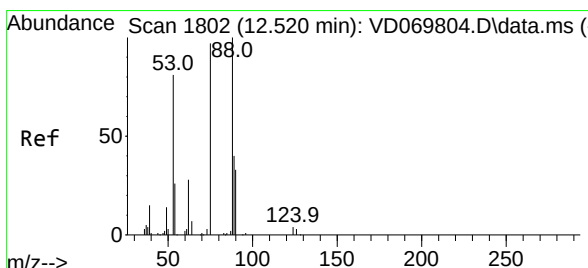
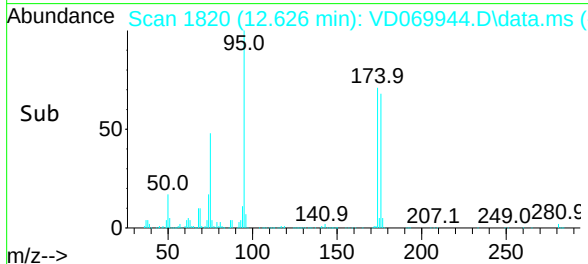
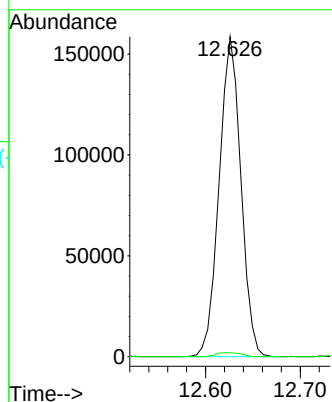
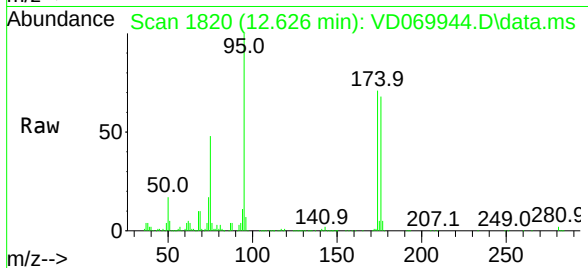




#76
1,2,3-Trichloropropane
Concen: 46.647 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

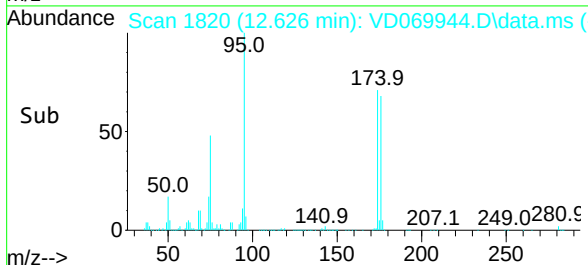
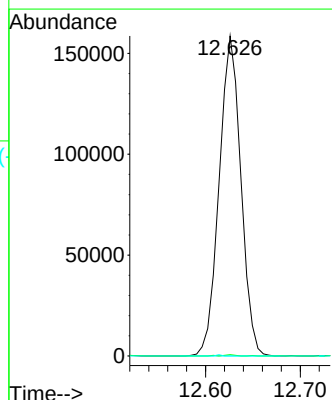
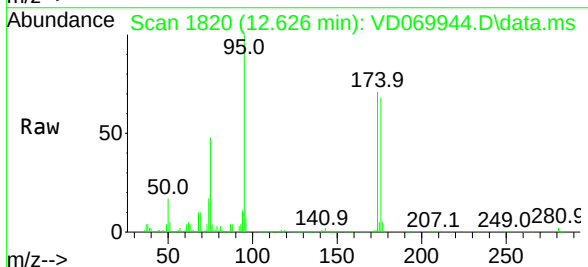
Instrument :
MSVOA_D
ClientSampled :

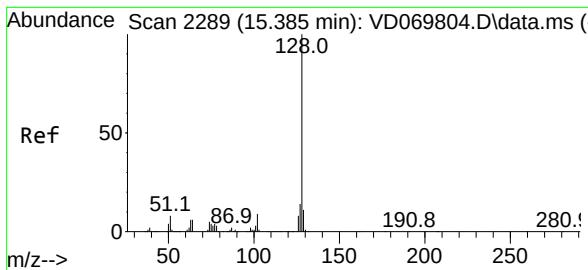
Tgt Ion: 75 Resp: 253150
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.514 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

Tgt Ion: 75 Resp: 253150
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.1 35.8 53.6#





#95
Naphthalene
Concen: 5.318 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069944.D
Acq: 02 Aug 2021 09:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	5917
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	9.2	8.6	12.8

