

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069982.D
 Acq On : 04 Aug 2021 13:22
 Operator : VA/SY
 Sample : M3276-03
 Misc : 6.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 05 03:10:11 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)

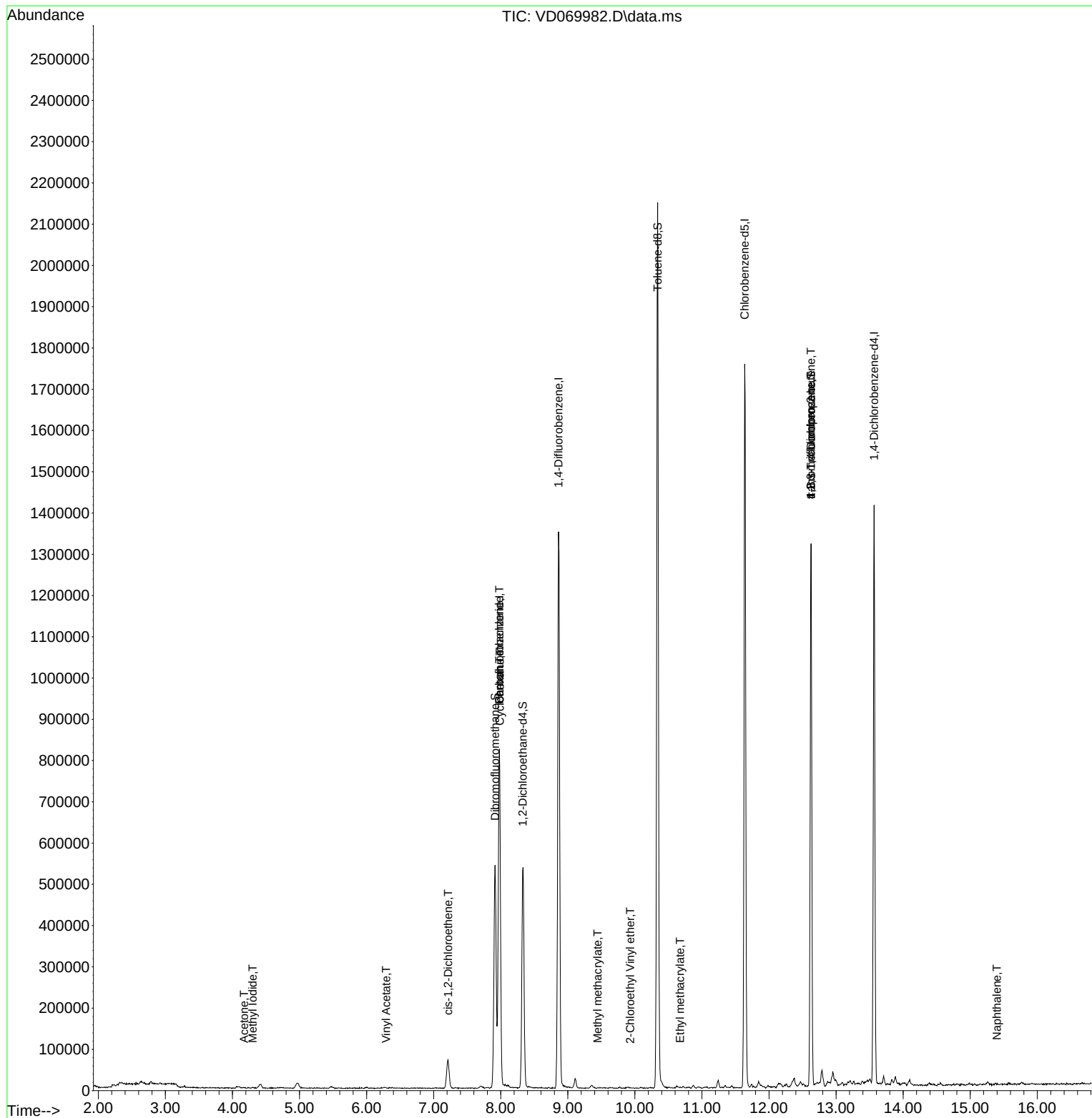
Internal Standards						
1) Pentafluorobenzene	7.979	168	583984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1173000	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1022759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	363408	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	427975	63.721	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.440%	
35) Dibromofluoromethane	7.914	113	397538	53.761	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.520%	
50) Toluene-d8	10.338	98	1470421	51.570	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.140%	
62) 4-Bromofluorobenzene	12.626	95	423498	44.442	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.880%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	3847	Below Cal	#	67
10) Methyl Iodide	4.303	142	2295	3.757	ug/l #	77
16) Acetone	4.173	43	2378	1.960	ug/l #	74
20) Methylene Chloride	4.973	84	11251	Below Cal	#	84
23) Vinyl Acetate	6.291	43	58	20.354	ug/l #	71
27) cis-1,2-Dichloroethene	7.214	96	40667	4.841	ug/l	92
31) Cyclohexane	7.985	56	14937	1.138	ug/l #	1
38) Carbon Tetrachloride	7.979	117	64267	5.558	ug/l #	18
48) Methyl methacrylate	9.444	41	67	2.761	ug/l #	13
56) Ethyl methacrylate	10.673	69	342	3.934	ug/l #	76
58) 2-Chloroethyl Vinyl ether	9.932	63	177	20.915	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	205106	53.098	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	205106	161.086	ug/l #	16
95) Naphthalene	15.396	128	1788	5.134	ug/l #	84

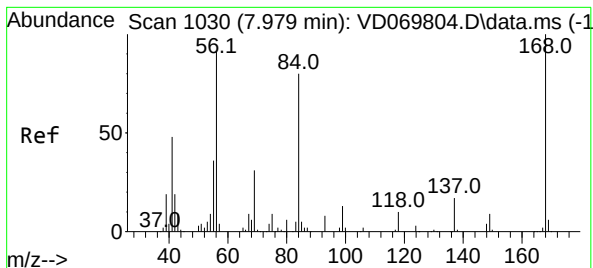
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 05 03:10:11 2021
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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
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: VD069982.D

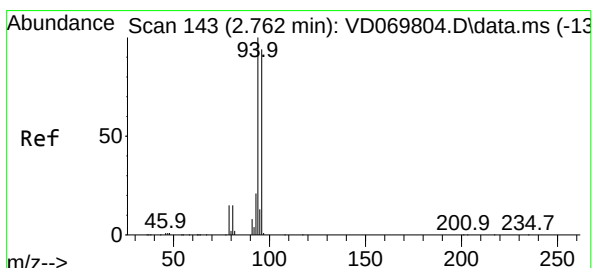
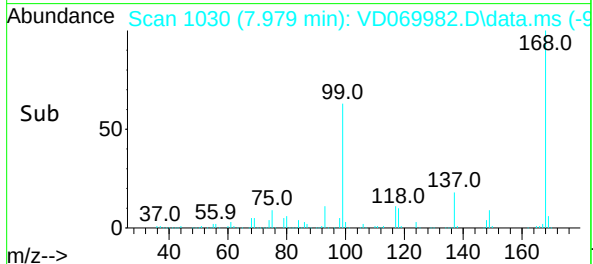
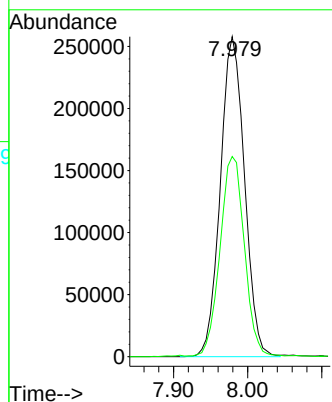
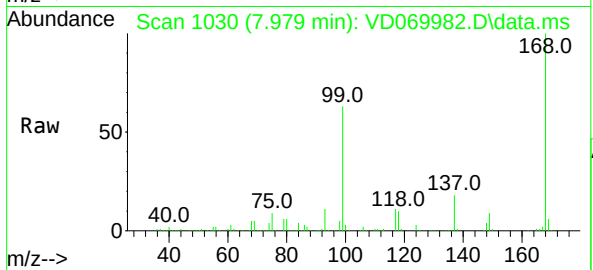
Acq: 04 Aug 2021 13:22

Tgt Ion:168 Resp: 583984

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: VD069982.D

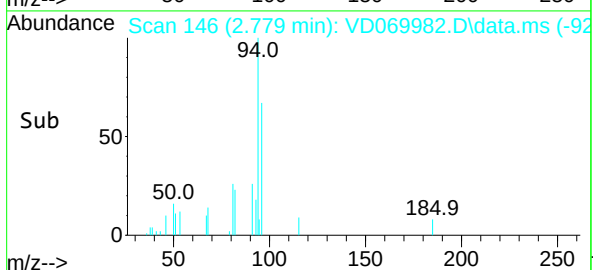
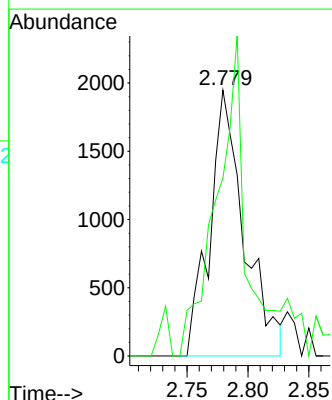
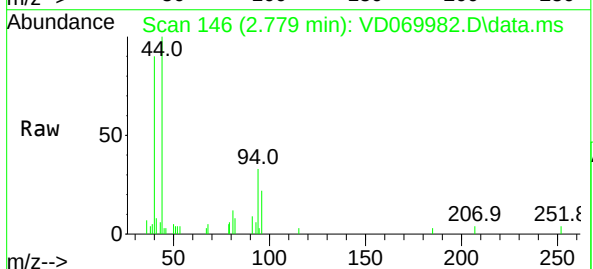
Acq: 04 Aug 2021 13:22

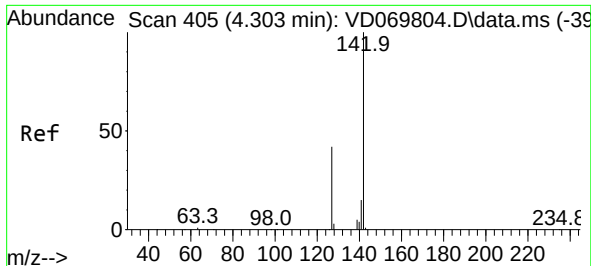
Tgt Ion: 94 Resp: 3847

Ion Ratio Lower Upper

94 100

96 62.0 74.8 112.2#

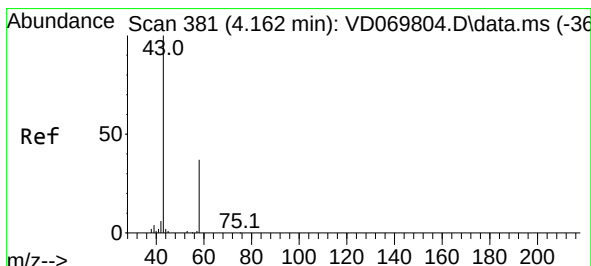
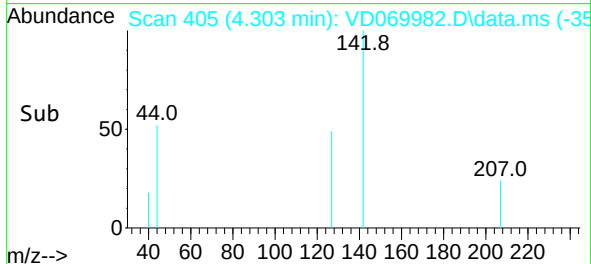
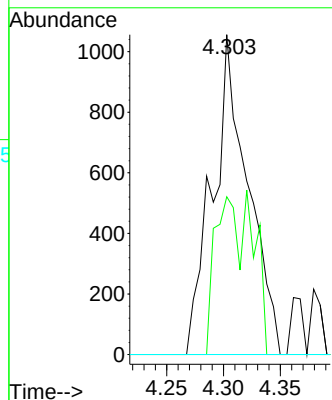
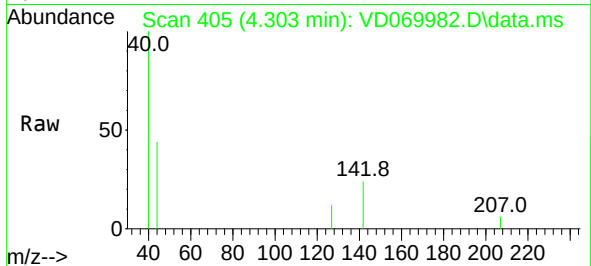




#10
Methyl Iodide
Concen: 3.757 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

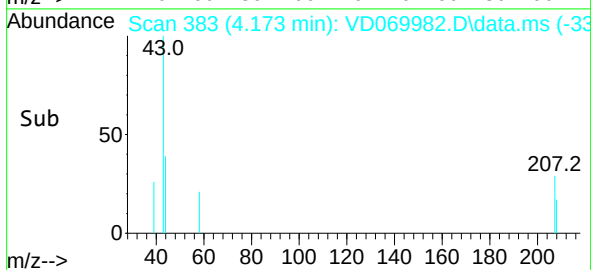
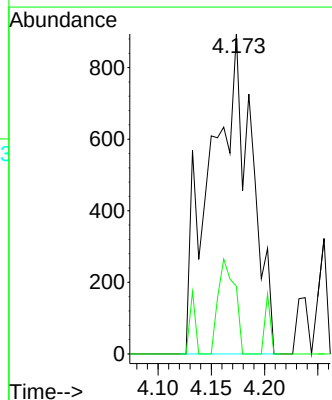
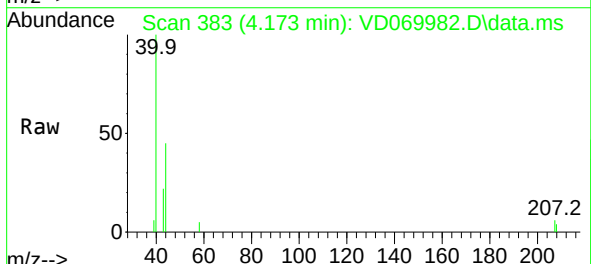
Instrument :
MSVOA_D
ClientSampled :

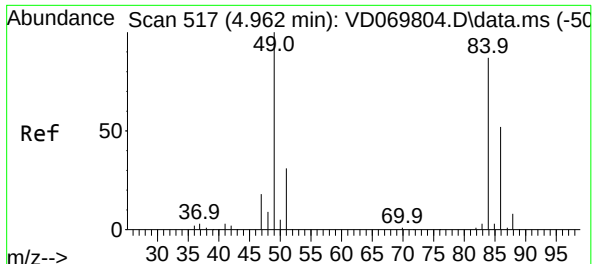
Tgt Ion:142 Resp: 2295
Ion Ratio Lower Upper
142 100
127 32.8 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.960 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

Tgt Ion: 43 Resp: 2378
Ion Ratio Lower Upper
43 100
58 21.1 29.4 44.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.973 min Scan# 519

Delta R.T. 0.011 min

Lab File: VD069982.D

Acq: 04 Aug 2021 13:22

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 84 Resp: 11251

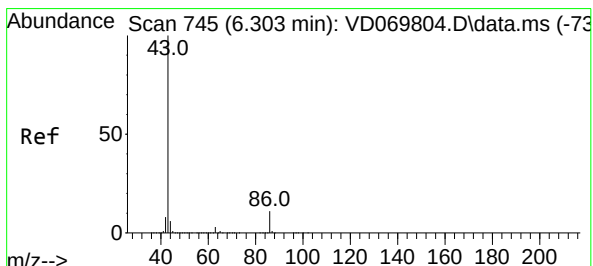
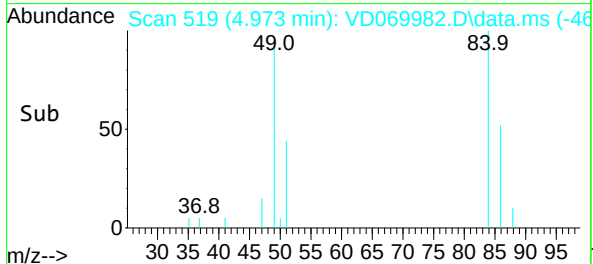
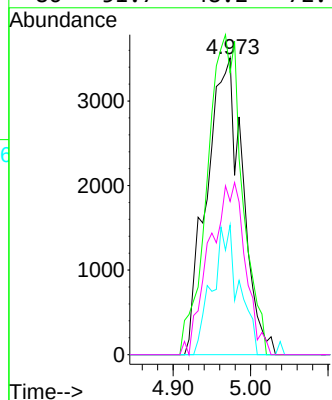
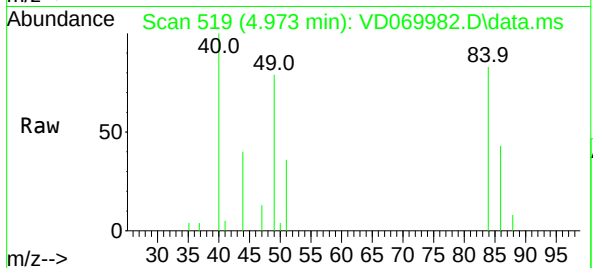
Ion Ratio Lower Upper

84 100

49 95.0 92.4 138.6

51 43.7 28.5 42.7#

86 51.7 48.2 72.4



#23

Vinyl Acetate

Concen: 20.354 ug/l

RT: 6.291 min Scan# 743

Delta R.T. -0.012 min

Lab File: VD069982.D

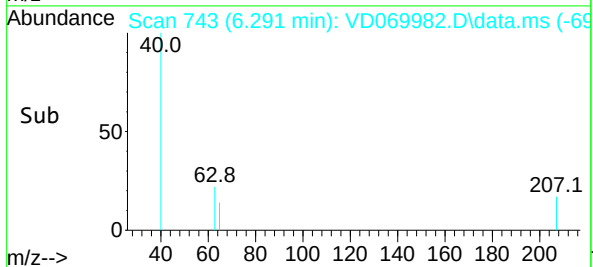
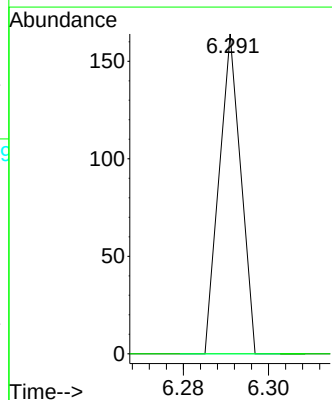
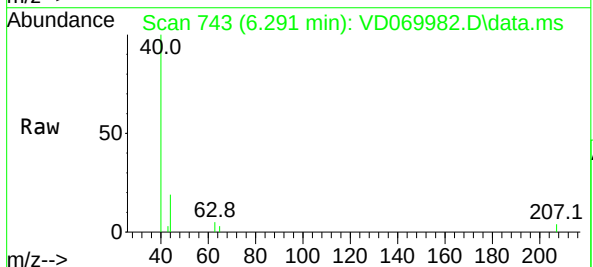
Acq: 04 Aug 2021 13:22

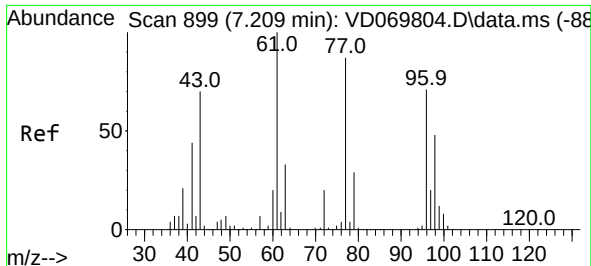
Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

86 0.0 8.6 13.0#





#27

cis-1,2-Dichloroethene

Concen: 4.841 ug/l

RT: 7.214 min Scan# 900

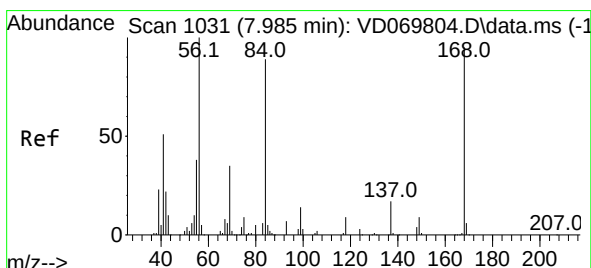
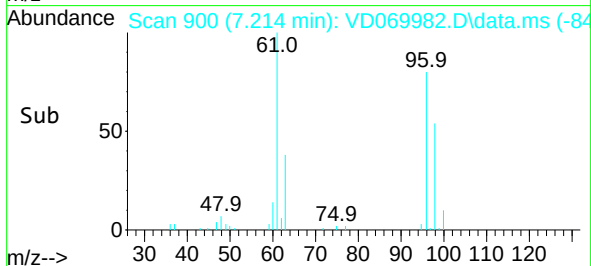
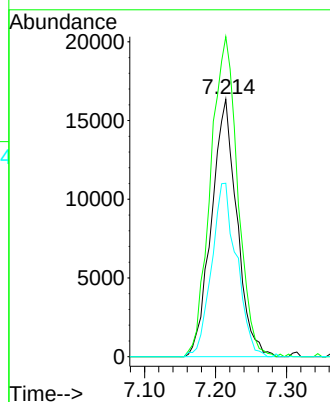
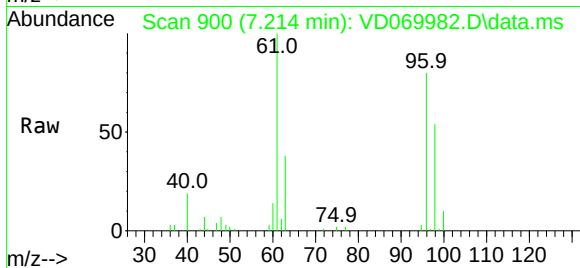
Delta R.T. 0.006 min

Lab File: VD069982.D

Acq: 04 Aug 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	96	Resp:	40667
Ion	Ratio	Lower	Upper
96	100		
61	132.5	0.0	291.6
98	66.5	0.0	132.0



#31

Cyclohexane

Concen: 1.138 ug/l

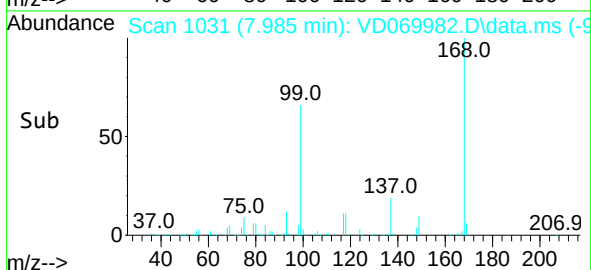
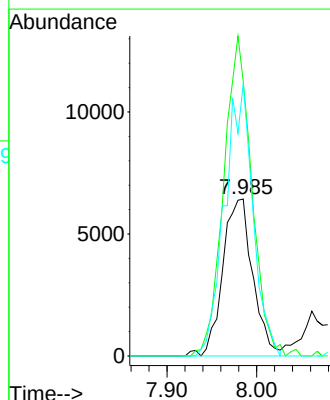
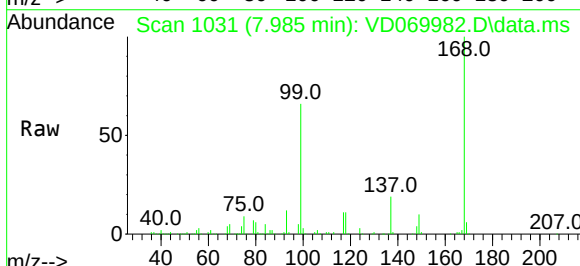
RT: 7.985 min Scan# 1031

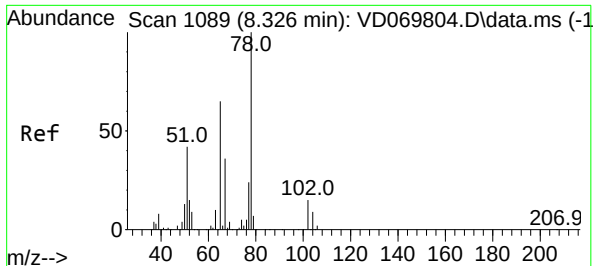
Delta R.T. -0.000 min

Lab File: VD069982.D

Acq: 04 Aug 2021 13:22

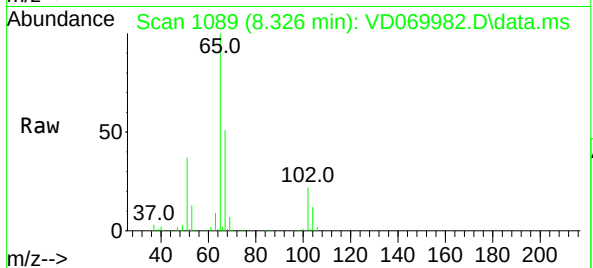
Tgt Ion:	56	Resp:	14937
Ion	Ratio	Lower	Upper
56	100		
69	175.0	27.9	41.9#
84	173.4	71.4	107.2#



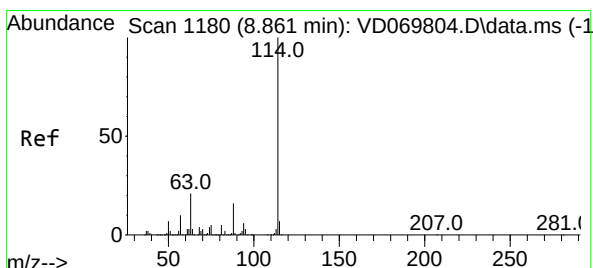
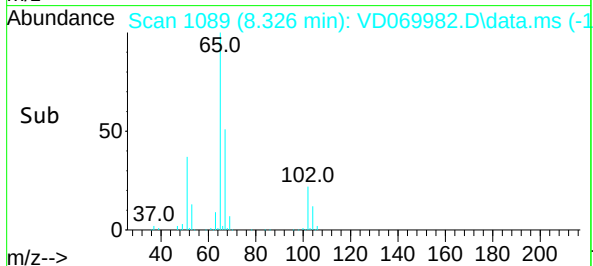
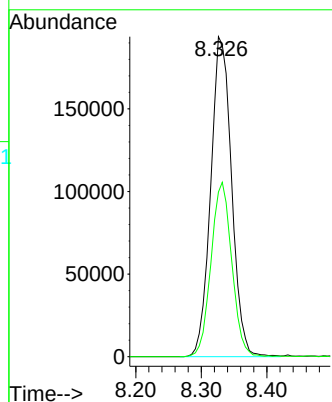


#33
1,2-Dichloroethane-d4
Concen: 63.721 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :

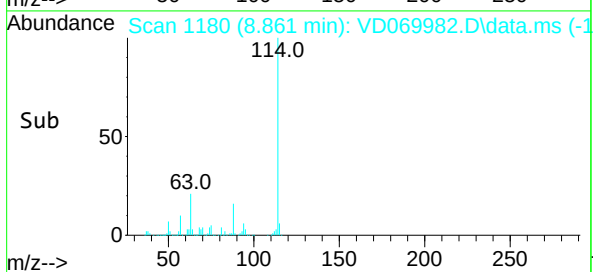
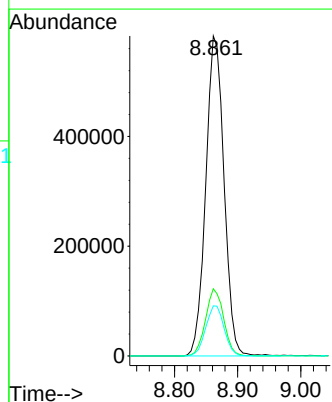
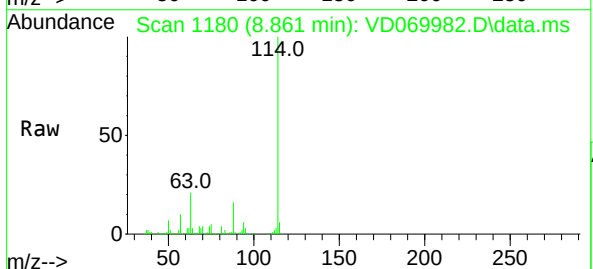


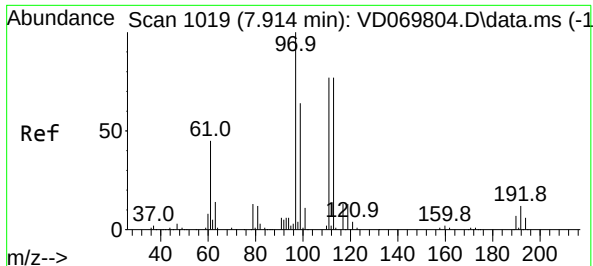
Tgt Ion: 65 Resp: 427975
Ion Ratio Lower Upper
65 100
67 54.2 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

Tgt Ion: 114 Resp: 1173000
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.6
88 15.7 0.0 31.4



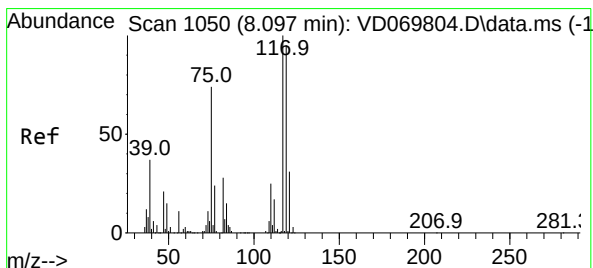
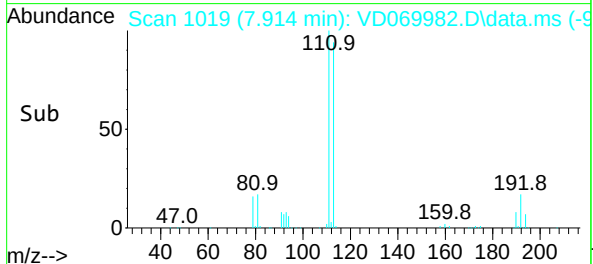
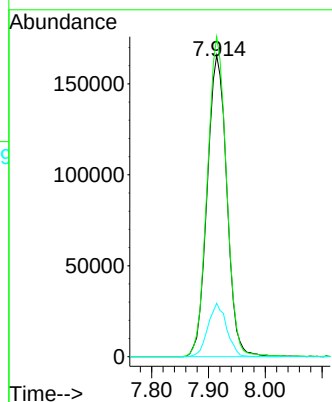
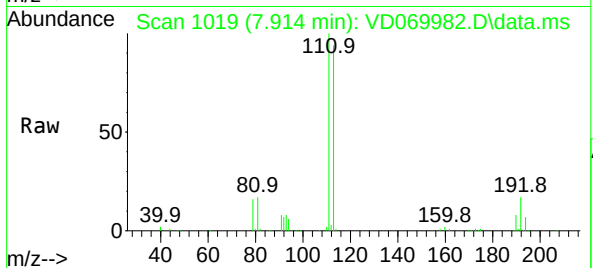


#35

Dibromofluoromethane
Concen: 53.761 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

Instrument :
MSVOA_D
ClientSampleId :

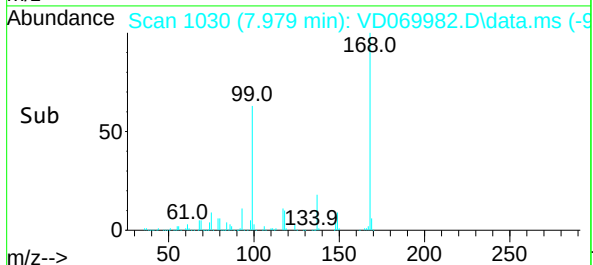
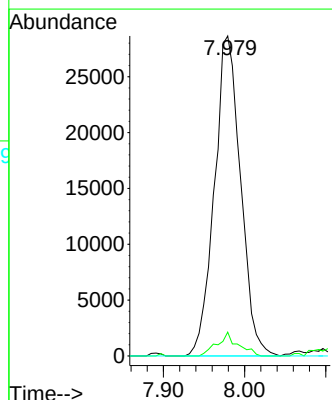
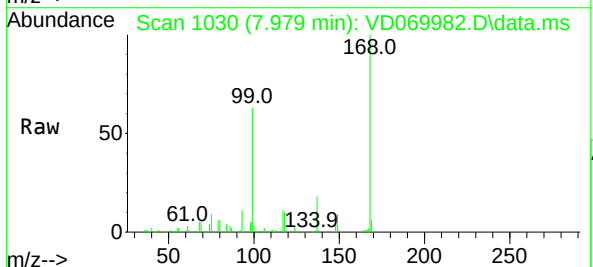
Tgt Ion:113 Resp: 397538
Ion Ratio Lower Upper
113 100
111 103.9 80.5 120.7
192 16.8 12.6 19.0

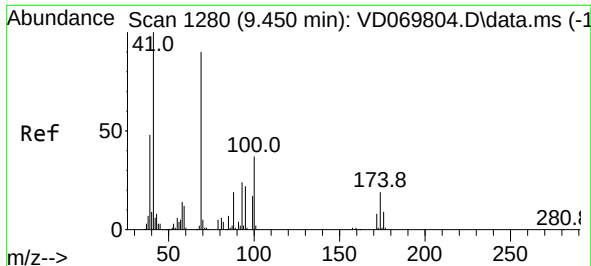


#38

Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

Tgt Ion:117 Resp: 64267
Ion Ratio Lower Upper
117 100
119 7.4 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.761 ug/l

RT: 9.444 min Scan# 1279

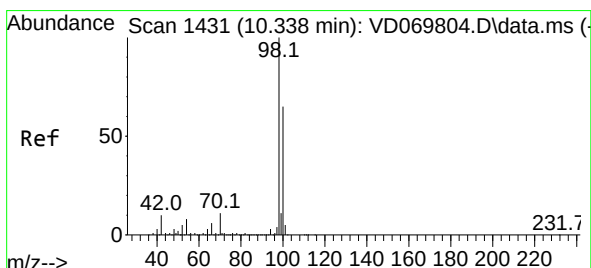
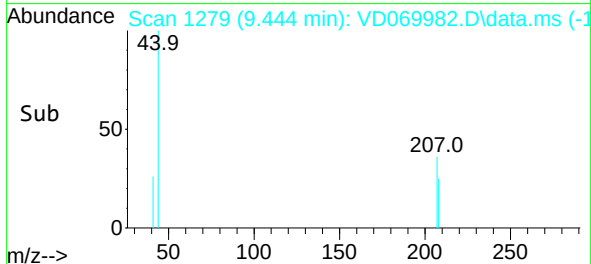
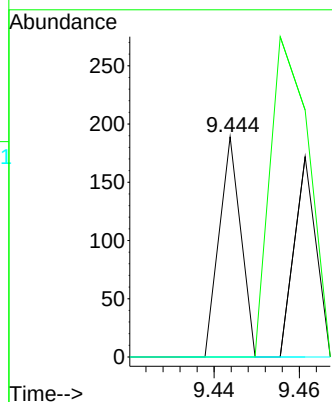
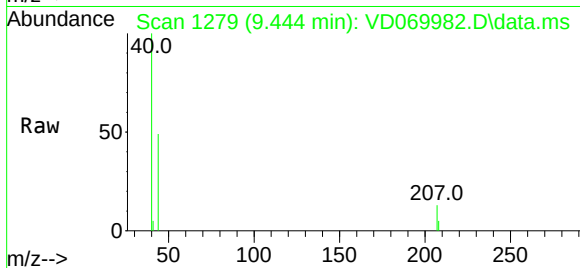
Delta R.T. -0.006 min

Lab File: VD069982.D

Acq: 04 Aug 2021 13:22

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 41	Resp: 67
Ion Ratio	Lower Upper
41	100
69	0.0 73.4 110.2#
39	0.0 36.6 55.0#



#50

Toluene-d8

Concen: 51.570 ug/l

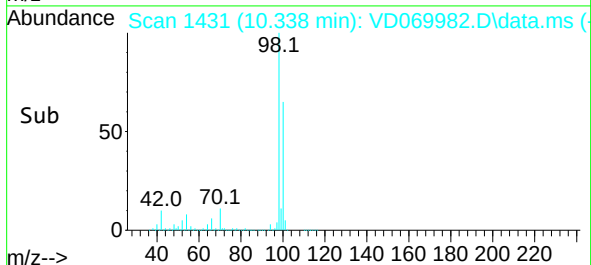
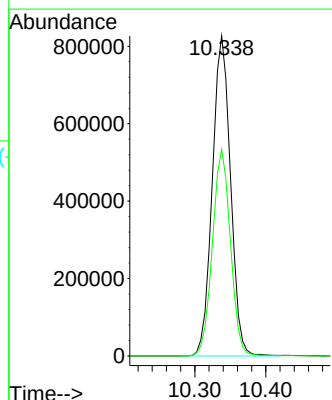
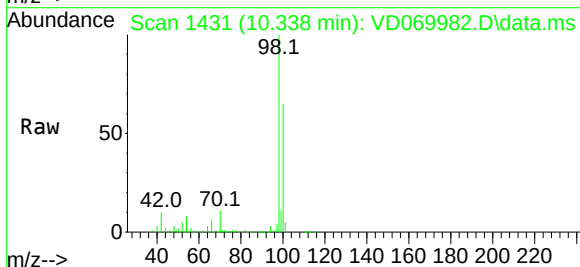
RT: 10.338 min Scan# 1431

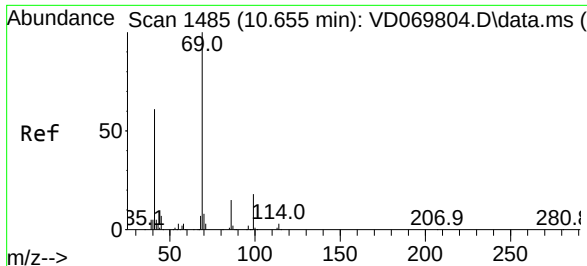
Delta R.T. -0.000 min

Lab File: VD069982.D

Acq: 04 Aug 2021 13:22

Tgt Ion: 98	Resp: 1470421
Ion Ratio	Lower Upper
98	100
100	64.0 51.9 77.9

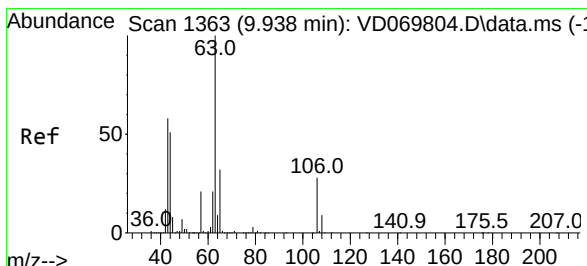
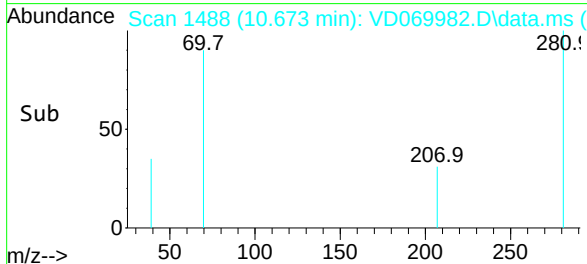
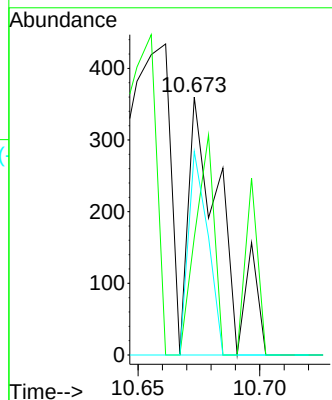
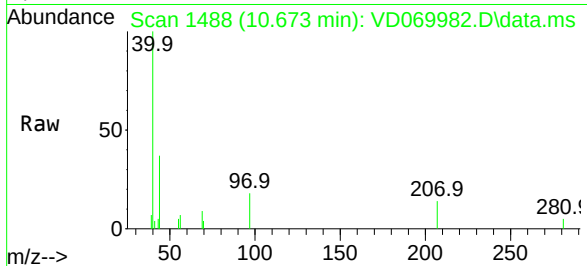




#56
Ethyl methacrylate
Concen: 3.934 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

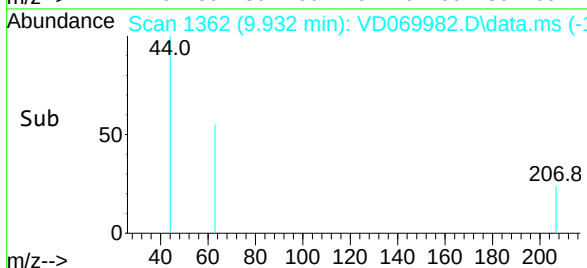
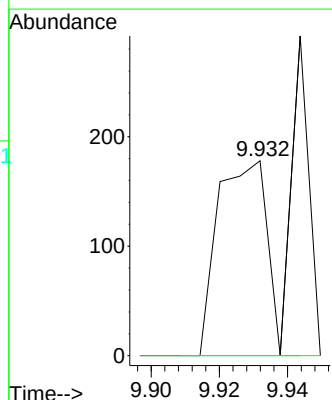
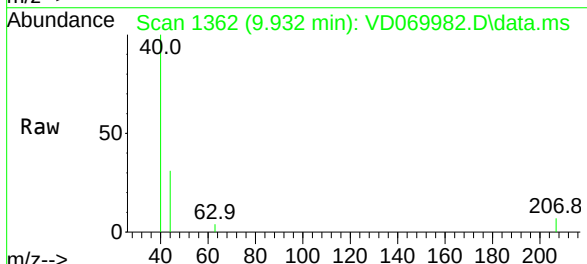
Instrument :
MSVOA_D
ClientSampled :

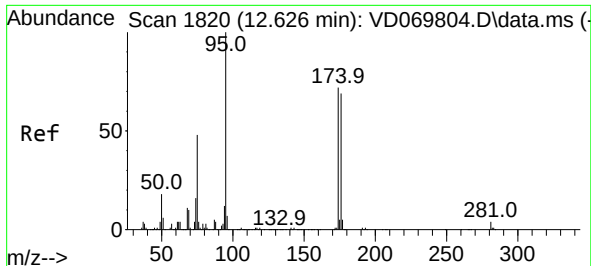
Tgt Ion: 69 Resp: 342
Ion Ratio Lower Upper
69 100
41 48.5 50.2 75.2#
39 46.2 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.915 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

Tgt Ion: 63 Resp: 177
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

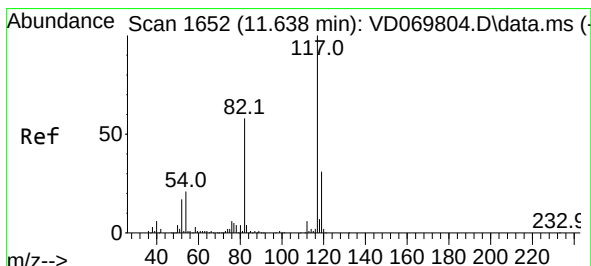
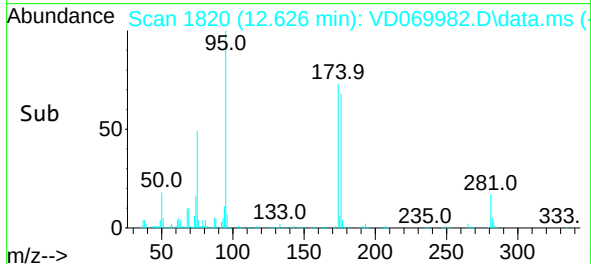
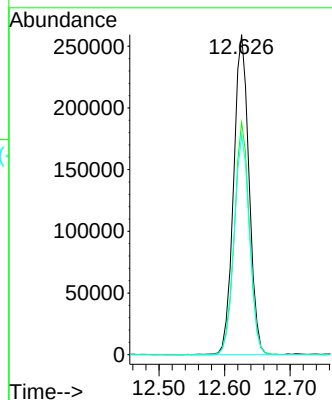
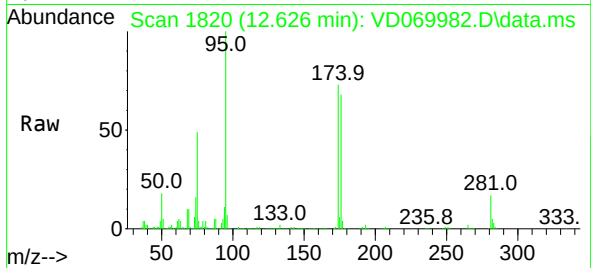




#62
4-Bromofluorobenzene
Concen: 44.442 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

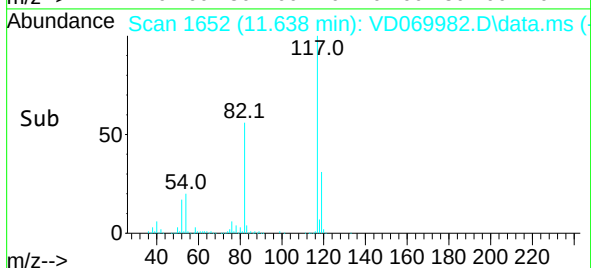
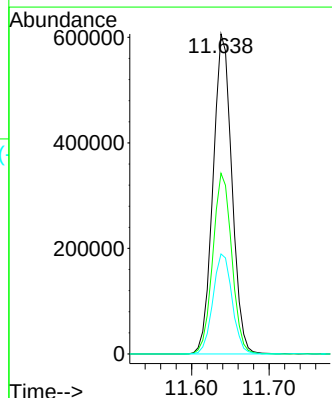
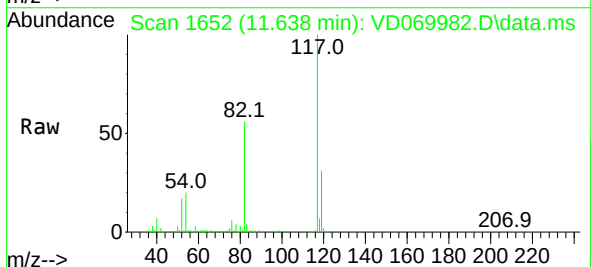
Instrument :
MSVOA_D
ClientSampled :

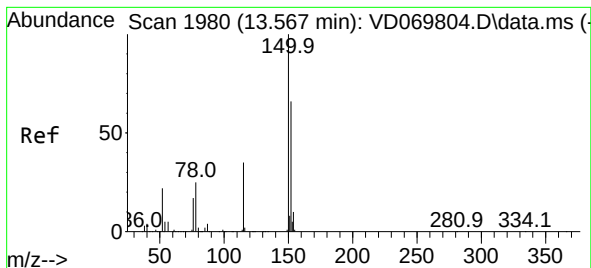
Tgt Ion: 95 Resp: 423498
Ion Ratio Lower Upper
95 100
174 71.5 0.0 142.6
176 68.6 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

Tgt Ion: 117 Resp: 1022759
Ion Ratio Lower Upper
117 100
82 56.5 46.3 69.5
119 31.2 24.7 37.1

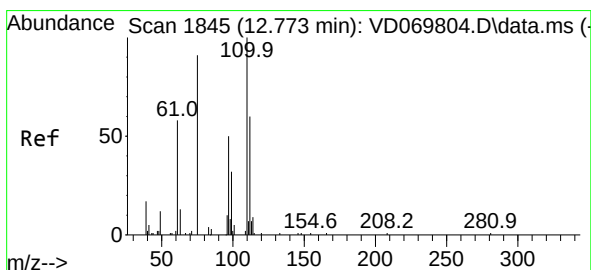
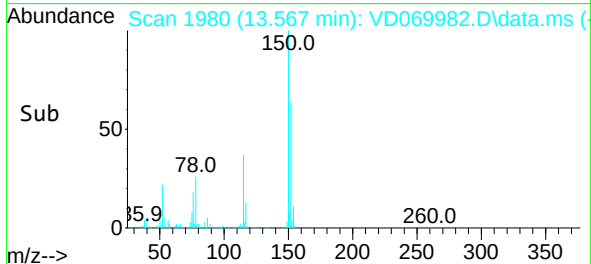
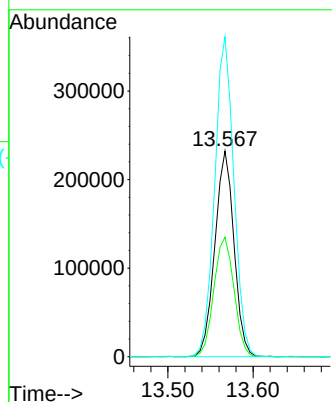
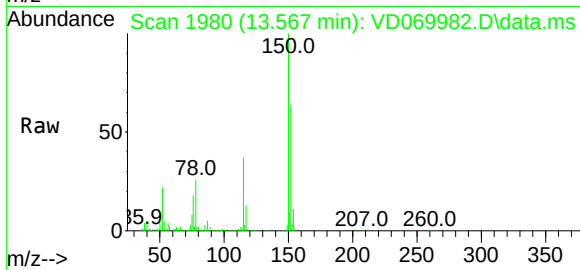




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069982.D
 Acq: 04 Aug 2021 13:22

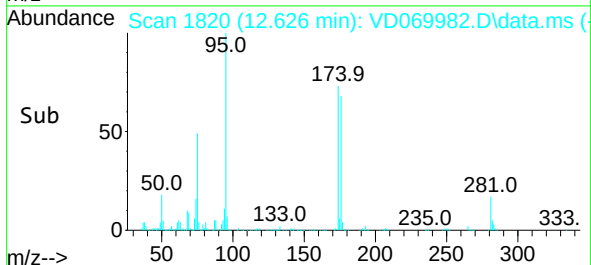
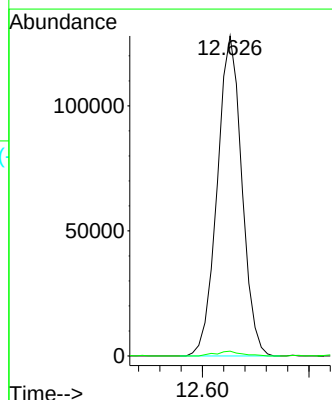
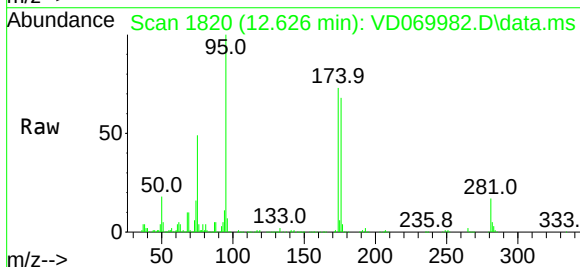
Instrument :
 MSVOA_D
 ClientSampled :

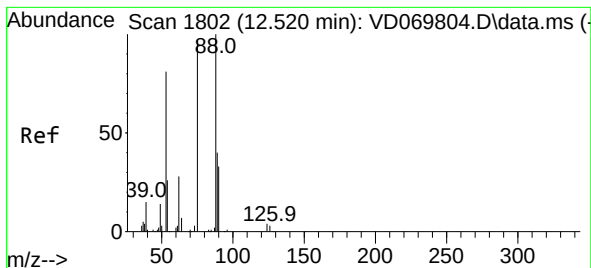
Tgt Ion:152 Resp: 363408
 Ion Ratio Lower Upper
 152 100
 115 60.9 31.1 93.3
 150 156.0 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 53.098 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069982.D
 Acq: 04 Aug 2021 13:22

Tgt Ion: 75 Resp: 205106
 Ion Ratio Lower Upper
 75 100
 77 1.6 181.5 544.5#

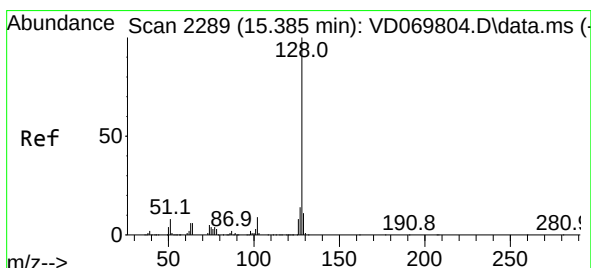
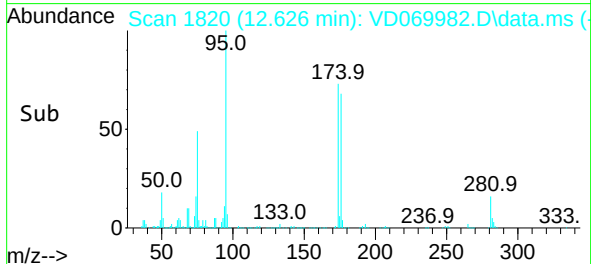
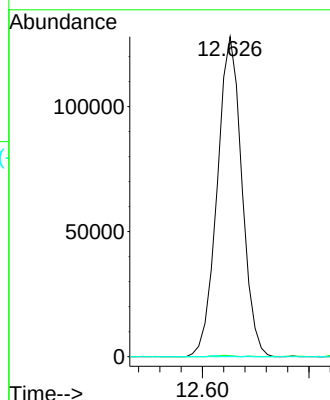
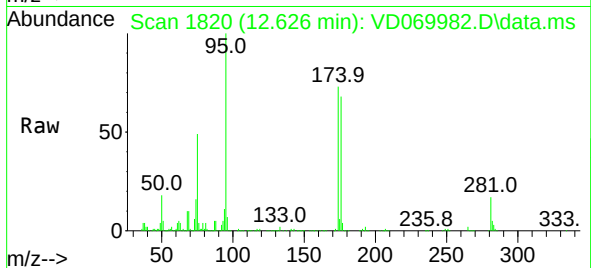




#81
trans-1,4-Dichloro-2-butene
Concen: 161.086 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 205106
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.2 35.8 53.6#



#95
Naphthalene
Concen: 5.134 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.011 min
Lab File: VD069982.D
Acq: 04 Aug 2021 13:22

Tgt Ion: 128 Resp: 1788
Ion Ratio Lower Upper
128 100
127 6.9 10.6 16.0#
129 16.8 8.6 12.8#

