

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051921\
 Data File : VD069197.D
 Acq On : 19 May 2021 15:29
 Operator : VA/SY
 Sample : M2437-01
 Misc : 4.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 20 01:01:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

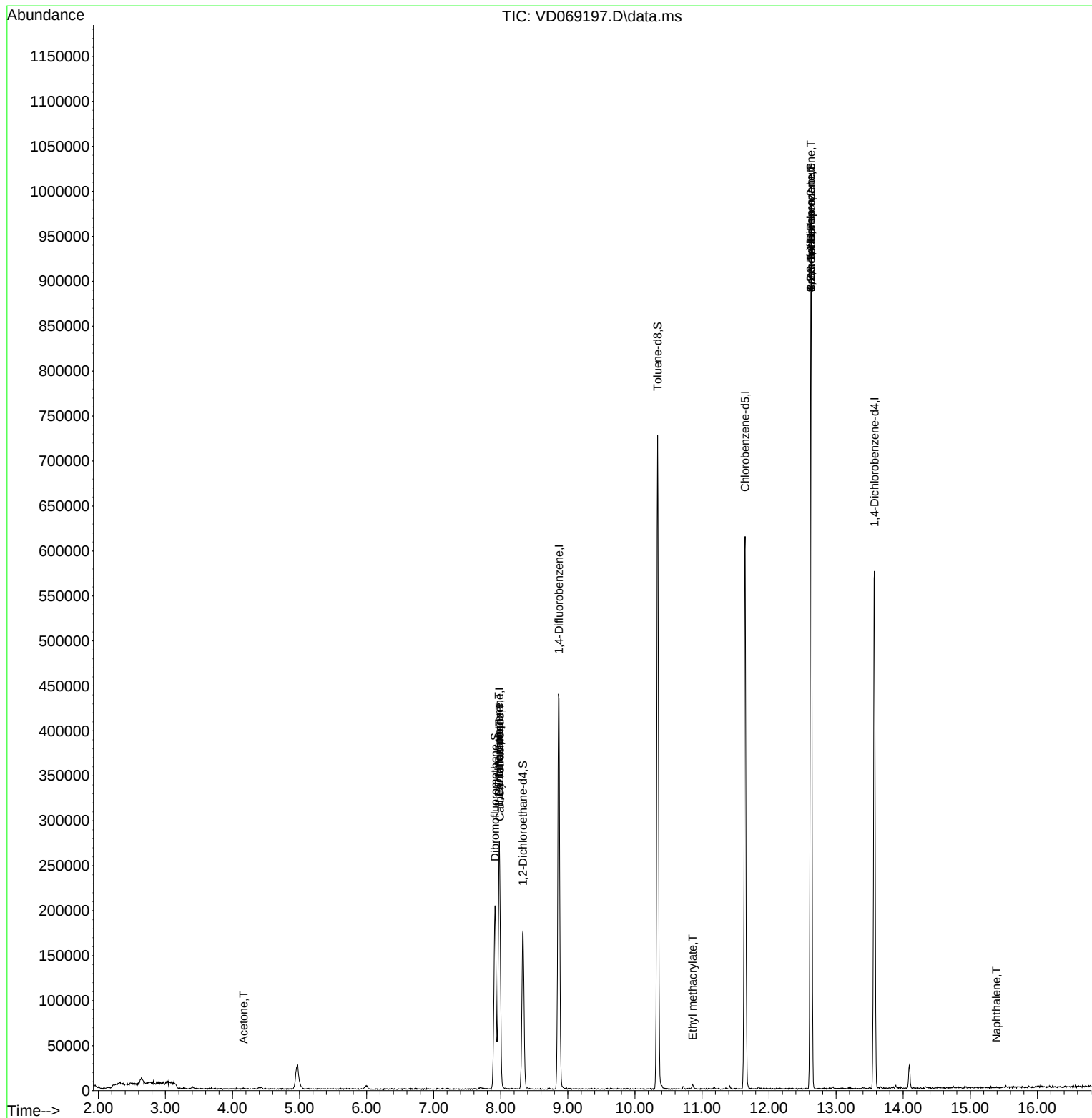
Internal Standards						
1) Pentafluorobenzene	7.979	168	195890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	393201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	369600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	158700	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	141354	71.98	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.96%			
35) Dibromofluoromethane	7.914	113	146501	57.25	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.50%			
50) Toluene-d8	10.338	98	494990	52.65	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.30%			
62) 4-Bromofluorobenzene	12.626	95	160789	53.15	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.30%			
Target Compounds						
11) Tert butyl alcohol	5.244	59	67	Below Cal	#	73
16) Acetone	4.167	43	462	1.54	ug/l	89
20) Methylene Chloride	4.967	84	22131	Below Cal		96
31) Cyclohexane	7.979	56	5231	1.80	ug/l #	47
36) 1,1-Dichloropropene	7.973	75	16203	4.24	ug/l #	48
38) Carbon Tetrachloride	7.985	117	21338	4.99	ug/l #	15
56) Ethyl methacrylate	10.861	69	287	1.44	ug/l #	1
71) Bromoform	12.626	173	1515	1.01	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	87125	73.03	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	87125	147.52	ug/l #	15
95) Naphthalene	15.390	128	429	2.12	ug/l #	69

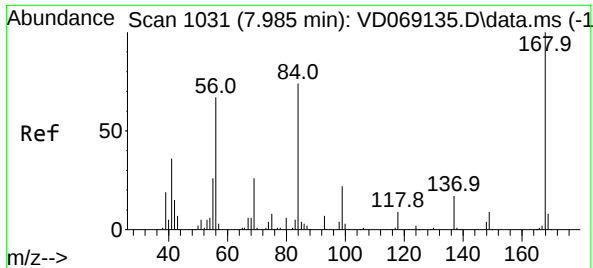
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 01:01:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:01:29 2021
Response via : Initial Calibration

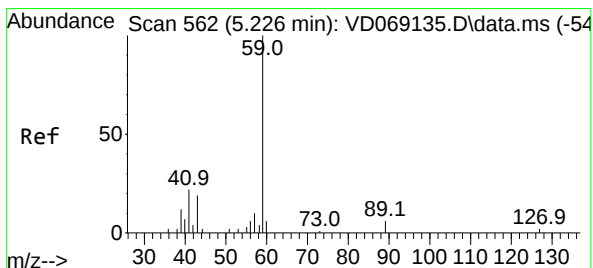
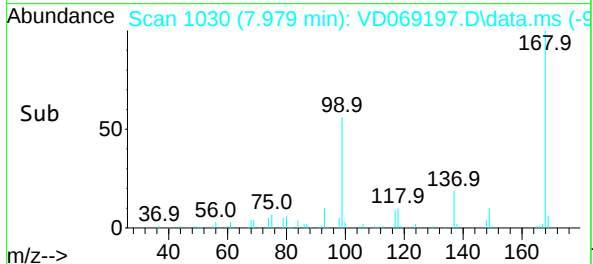
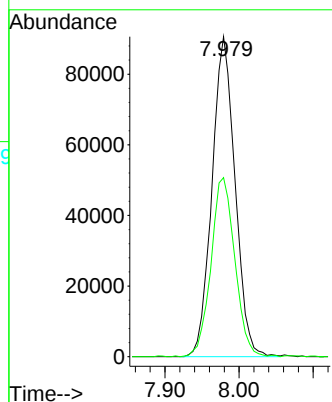
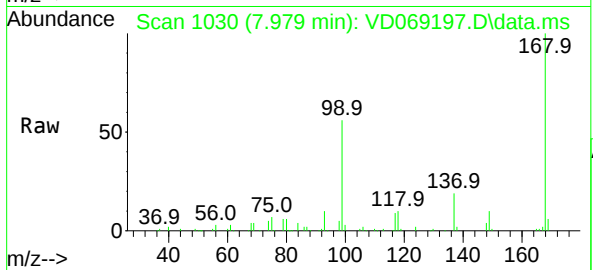




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

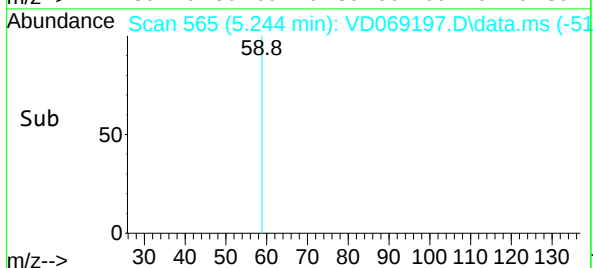
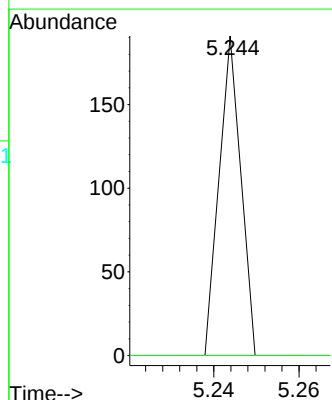
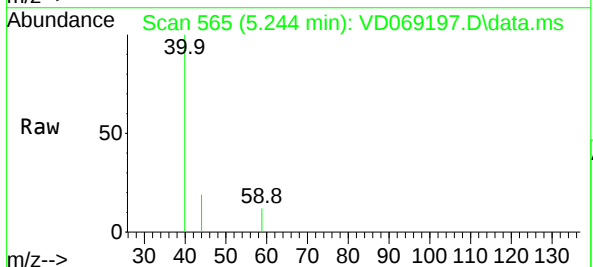
Instrument :
MSVOA_D
ClientSampleId :

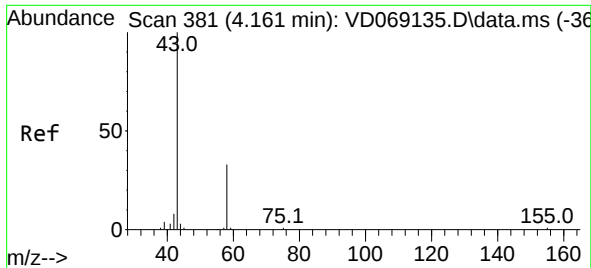
Tgt Ion:168 Resp: 195890
Ion Ratio Lower Upper
168 100
99 55.9 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.244 min Scan# 565
Delta R.T. 0.018 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

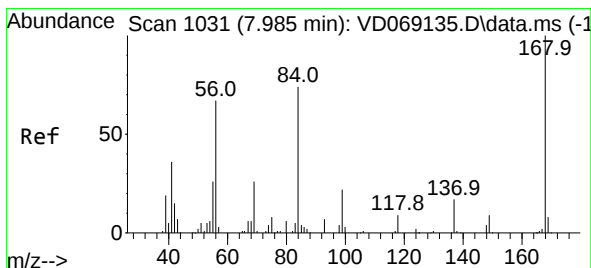
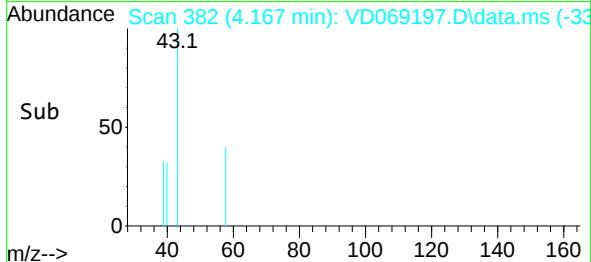
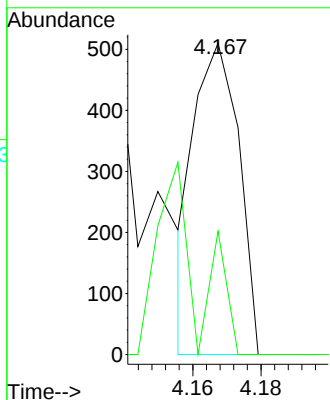
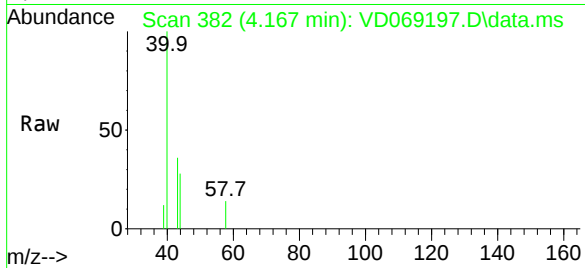




#16
Acetone
Concen: 1.54 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

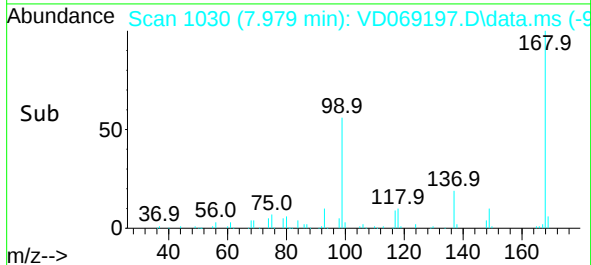
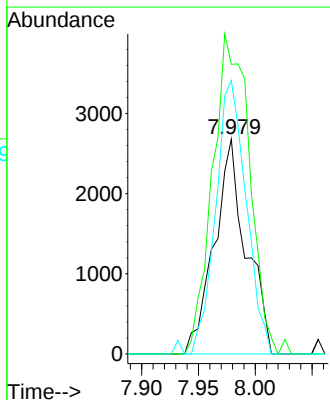
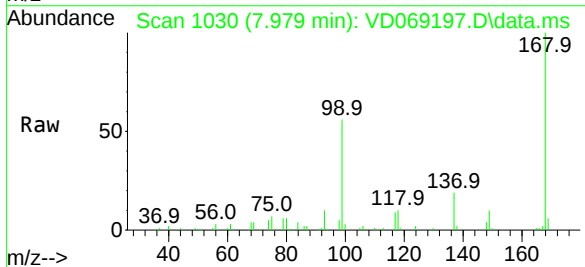
Instrument :
MSVOA_D
ClientSampled :

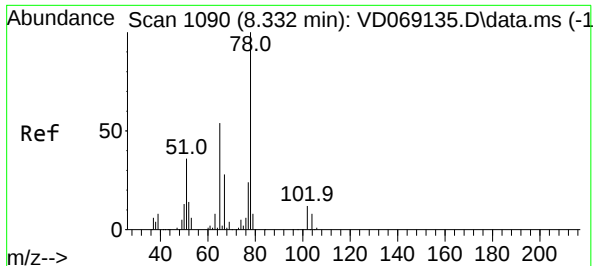
Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 39.6 26.7 40.1



#31
Cyclohexane
Concen: 1.80 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

Tgt Ion: 56 Resp: 5231
Ion Ratio Lower Upper
56 100
69 134.7 30.6 46.0#
84 127.3 88.0 132.0





#33

1,2-Dichloroethane-d4

Concen: 71.98 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VD069197.D

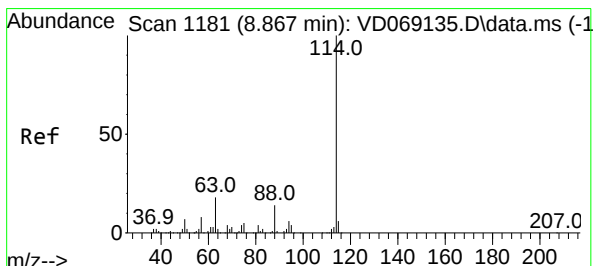
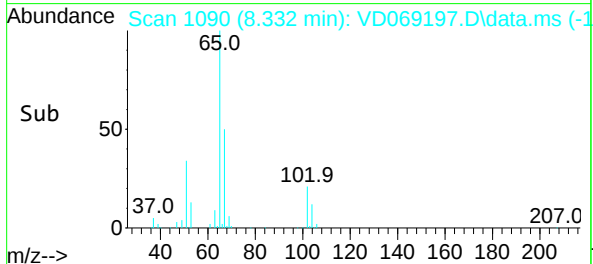
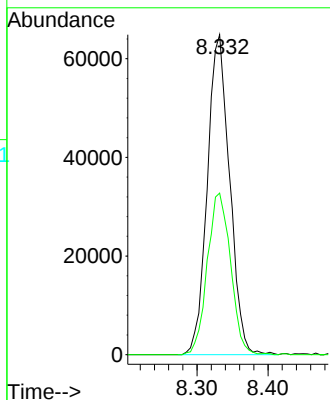
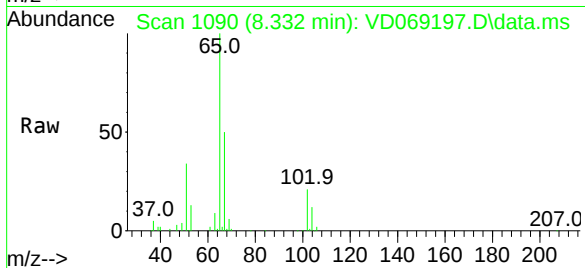
Acq: 19 May 2021 15:29

Tgt Ion: 65 Resp: 141354

Ion Ratio Lower Upper

65 100

67 52.6 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VD069197.D

Acq: 19 May 2021 15:29

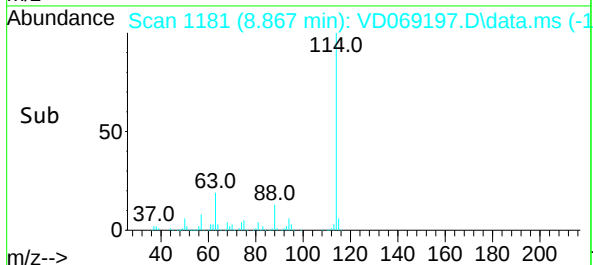
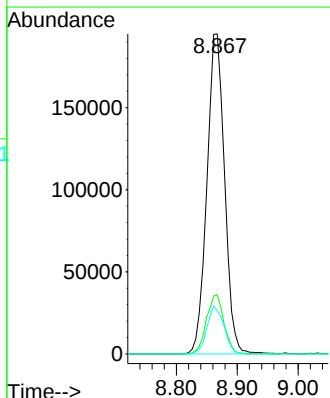
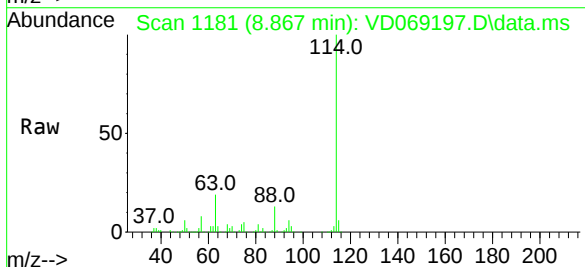
Tgt Ion: 114 Resp: 393201

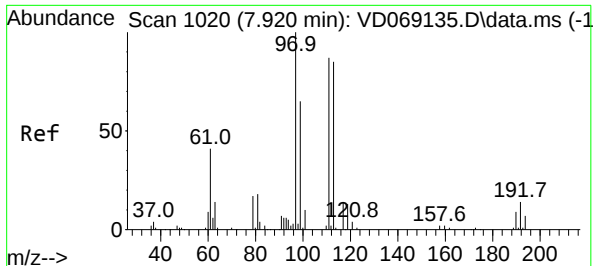
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.4

88 13.4 0.0 28.2





#35

Dibromofluoromethane

Concen: 57.25 ug/l

RT: 7.914 min Scan# 1019

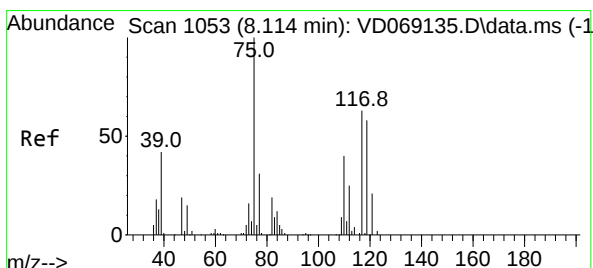
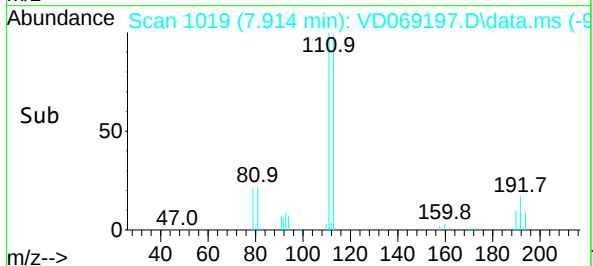
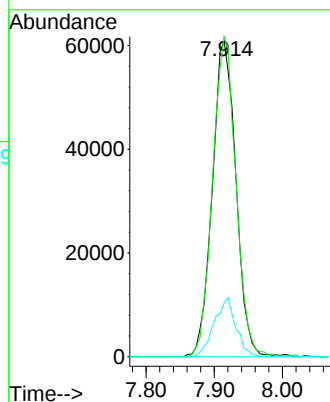
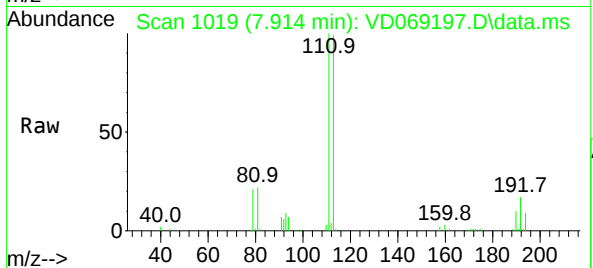
Delta R.T. -0.006 min

Lab File: VD069197.D

Acq: 19 May 2021 15:29

Tgt Ion:	113	Resp:	146501
Ion	Ratio	Lower	Upper
113	100		
111	100.6	80.6	120.8
192	17.2	14.8	22.2

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.24 ug/l

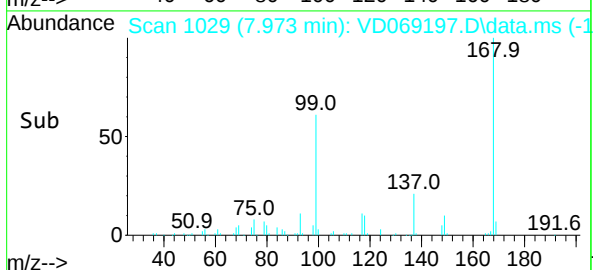
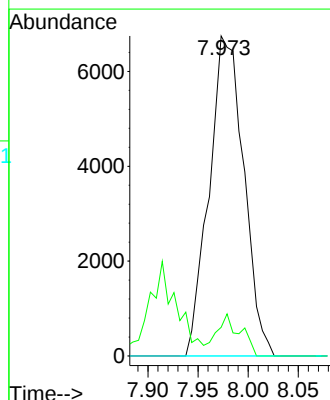
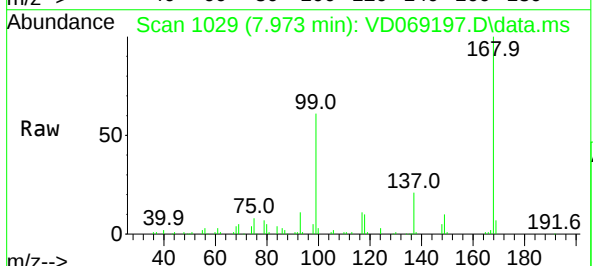
RT: 7.973 min Scan# 1029

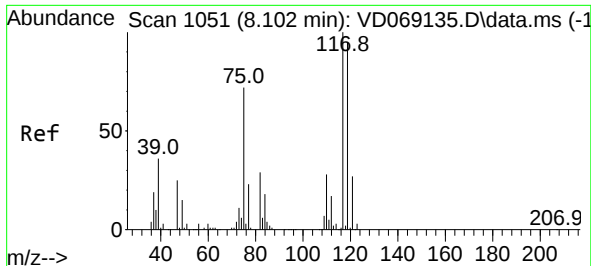
Delta R.T. -0.141 min

Lab File: VD069197.D

Acq: 19 May 2021 15:29

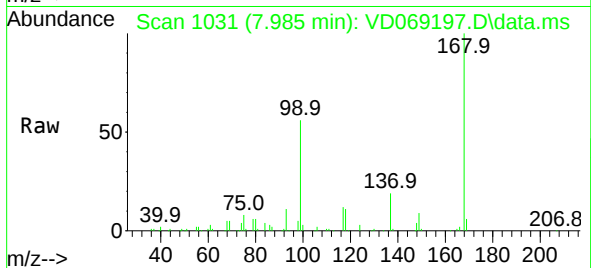
Tgt Ion:	75	Resp:	16203
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.8	56.4#
77	0.0	25.2	37.8#



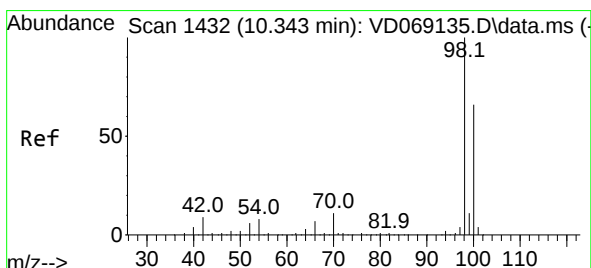
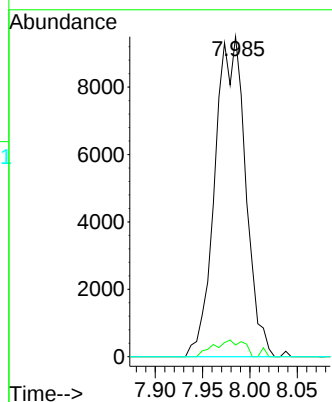
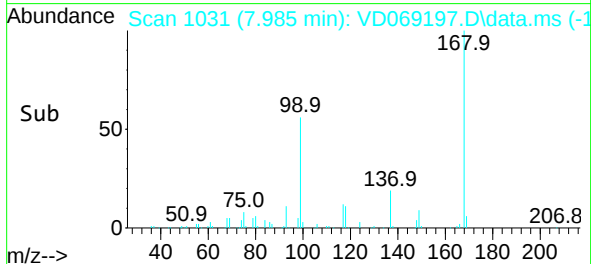


#38
Carbon Tetrachloride
Concen: 4.99 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

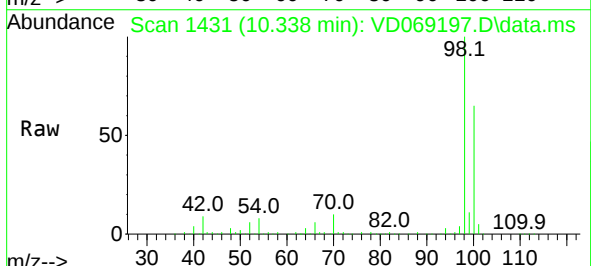
Instrument :
MSVOA_D
ClientSampled :



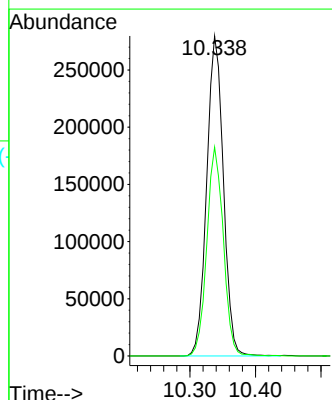
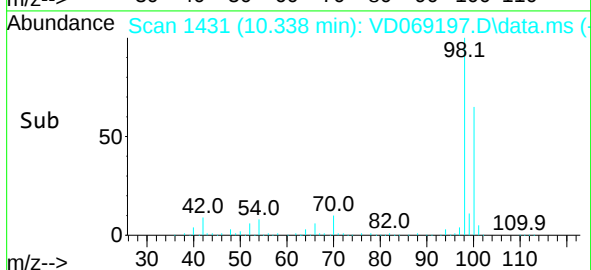
Tgt Ion:117 Resp: 21338
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 21.9 32.9#

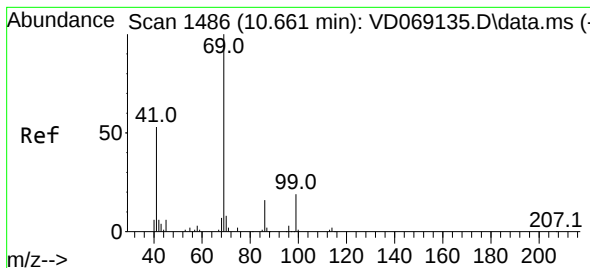


#50
Toluene-d8
Concen: 52.65 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29



Tgt Ion: 98 Resp: 494990
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8

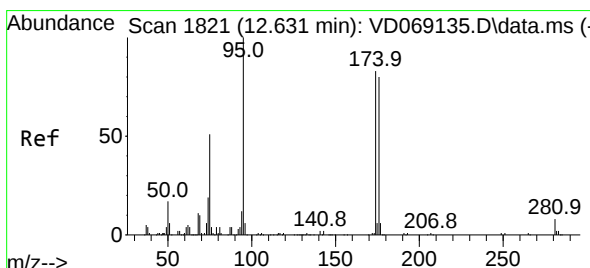
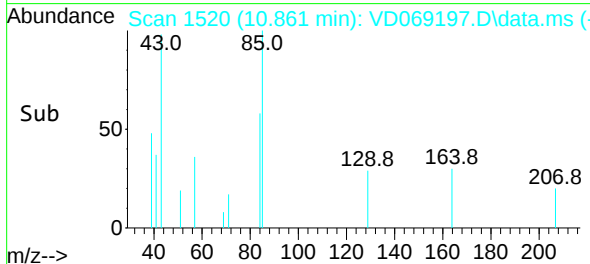
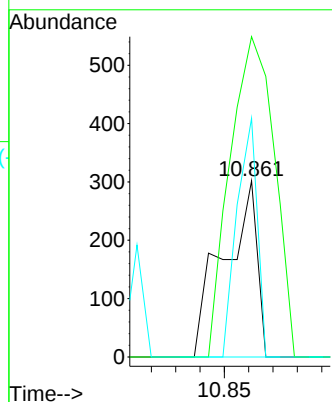
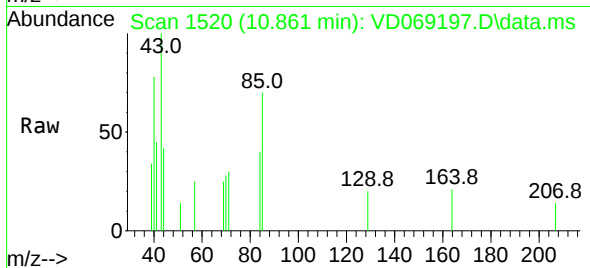




#56
Ethyl methacrylate
Concen: 1.44 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. 0.200 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

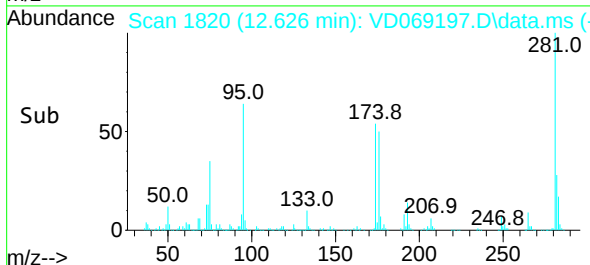
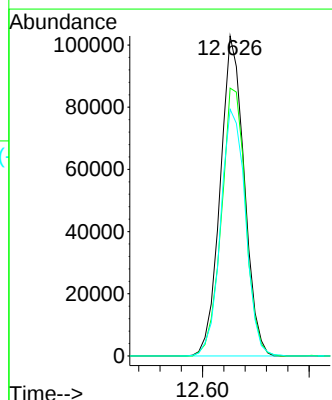
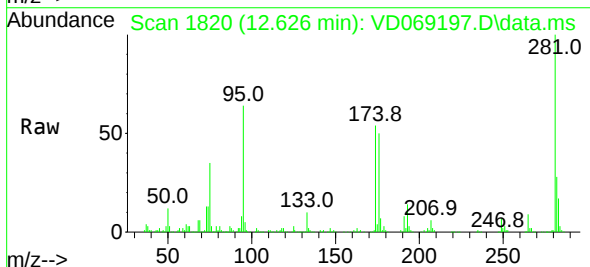
Instrument :
MSVOA_D
ClientSampleId :

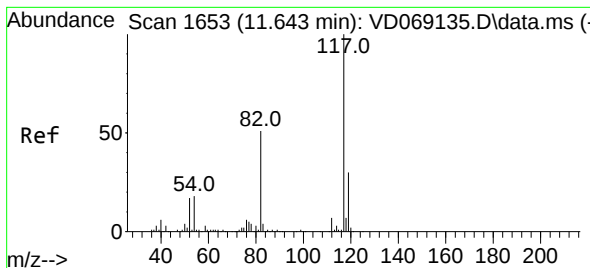
Tgt Ion: 69 Resp: 287
Ion Ratio Lower Upper
69 100
41 242.5 42.2 63.2#
39 82.6 26.3 39.5#



#62
4-Bromofluorobenzene
Concen: 53.15 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

Tgt Ion: 95 Resp: 160789
Ion Ratio Lower Upper
95 100
174 84.3 0.0 171.8
176 79.8 0.0 165.4

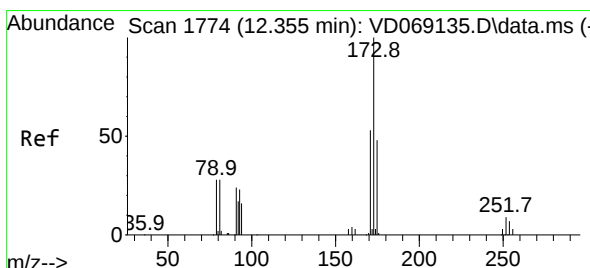
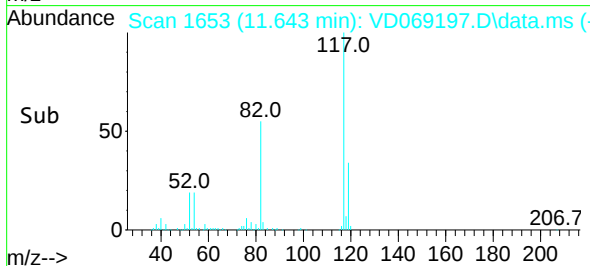
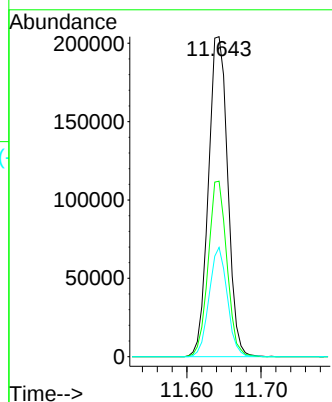
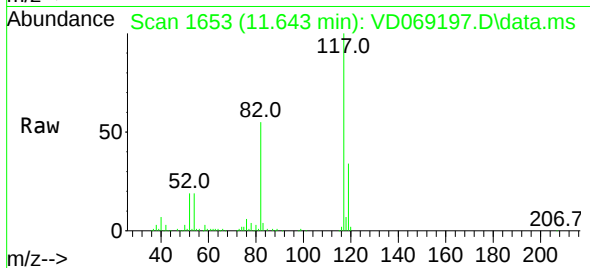




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

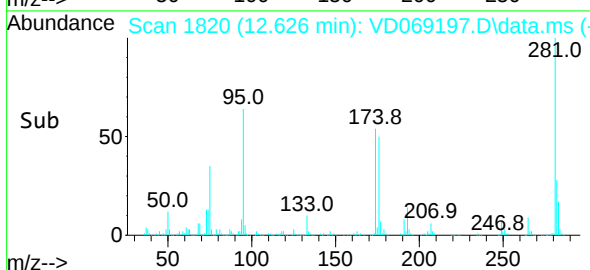
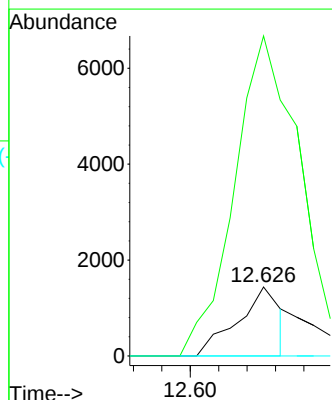
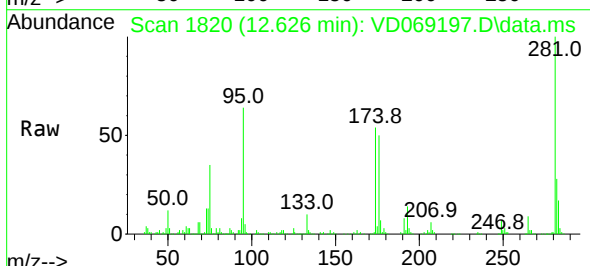
Instrument :
MSVOA_D
ClientSampleId :

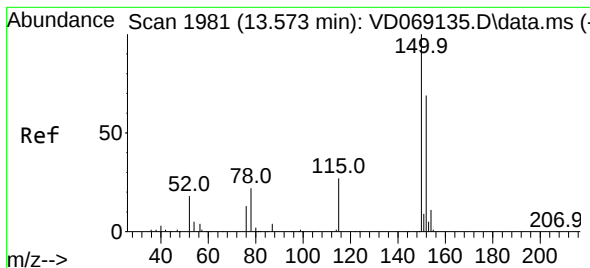
Tgt Ion:117 Resp: 369600
Ion Ratio Lower Upper
117 100
82 54.9 40.5 60.7
119 34.1 24.2 36.4



#71
Bromoform
Concen: 1.01 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

Tgt Ion:173 Resp: 1515
Ion Ratio Lower Upper
173 100
175 515.5 24.3 73.0#
254 0.0 0.0 0.0

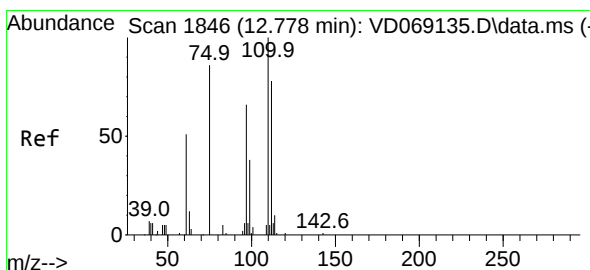
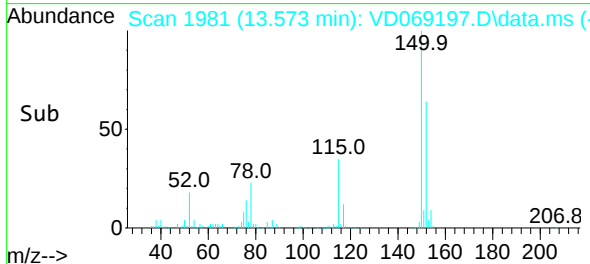
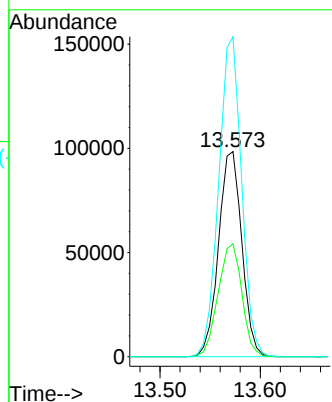
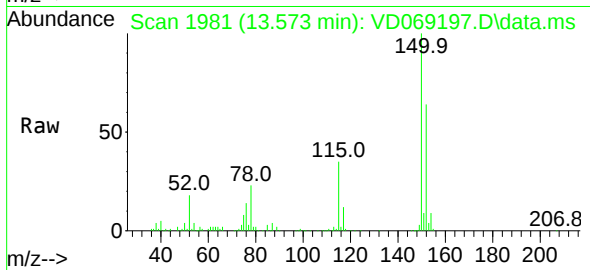




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD069197.D
 Acq: 19 May 2021 15:29

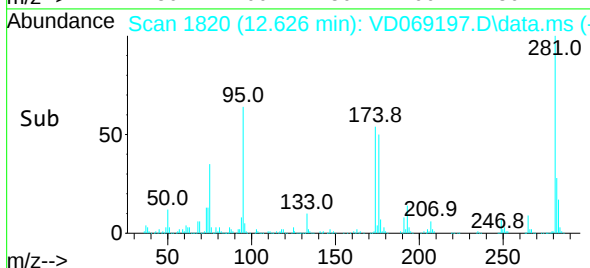
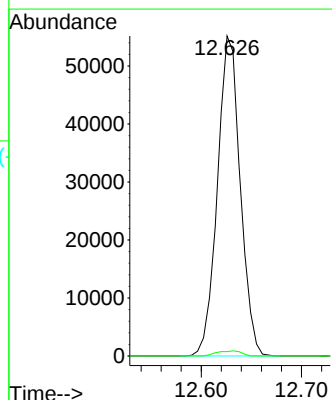
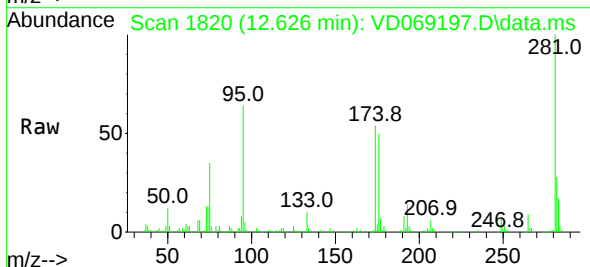
Instrument :
 MSVOA_D
 ClientSampleId :

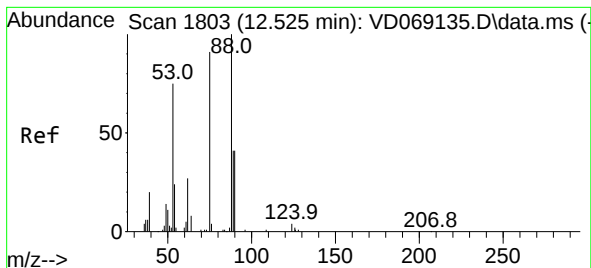
Tgt Ion:152 Resp: 158700
 Ion Ratio Lower Upper
 152 100
 115 56.1 29.9 89.8
 150 153.2 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 73.03 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD069197.D
 Acq: 19 May 2021 15:29

Tgt Ion: 75 Resp: 87125
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

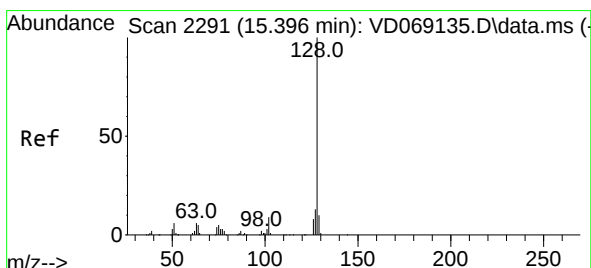
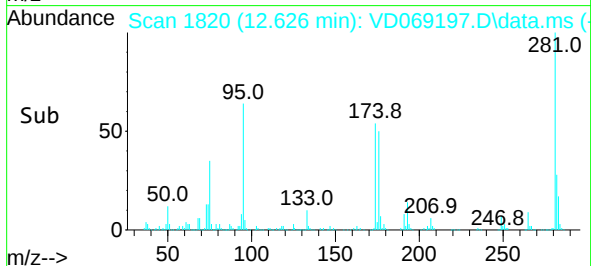
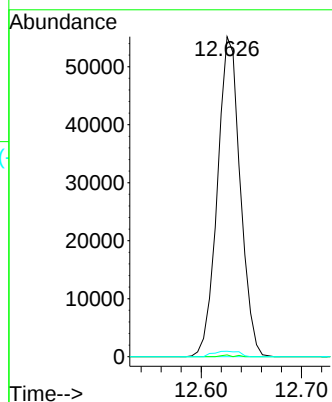
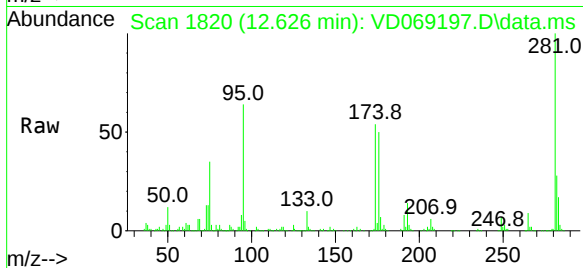




#81
trans-1,4-Dichloro-2-butene
Concen: 147.52 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 87125
Ion Ratio Lower Upper
75 100
53 0.3 70.0 105.0#
89 2.0 40.2 60.2#



#95
Naphthalene
Concen: 2.12 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069197.D
Acq: 19 May 2021 15:29

Tgt Ion:128 Resp: 429
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

