

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051921\
 Data File : VD069198.D
 Acq On : 19 May 2021 15:58
 Operator : VA/SY
 Sample : M2437-04
 Misc : 6.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 20 01:01:58 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)

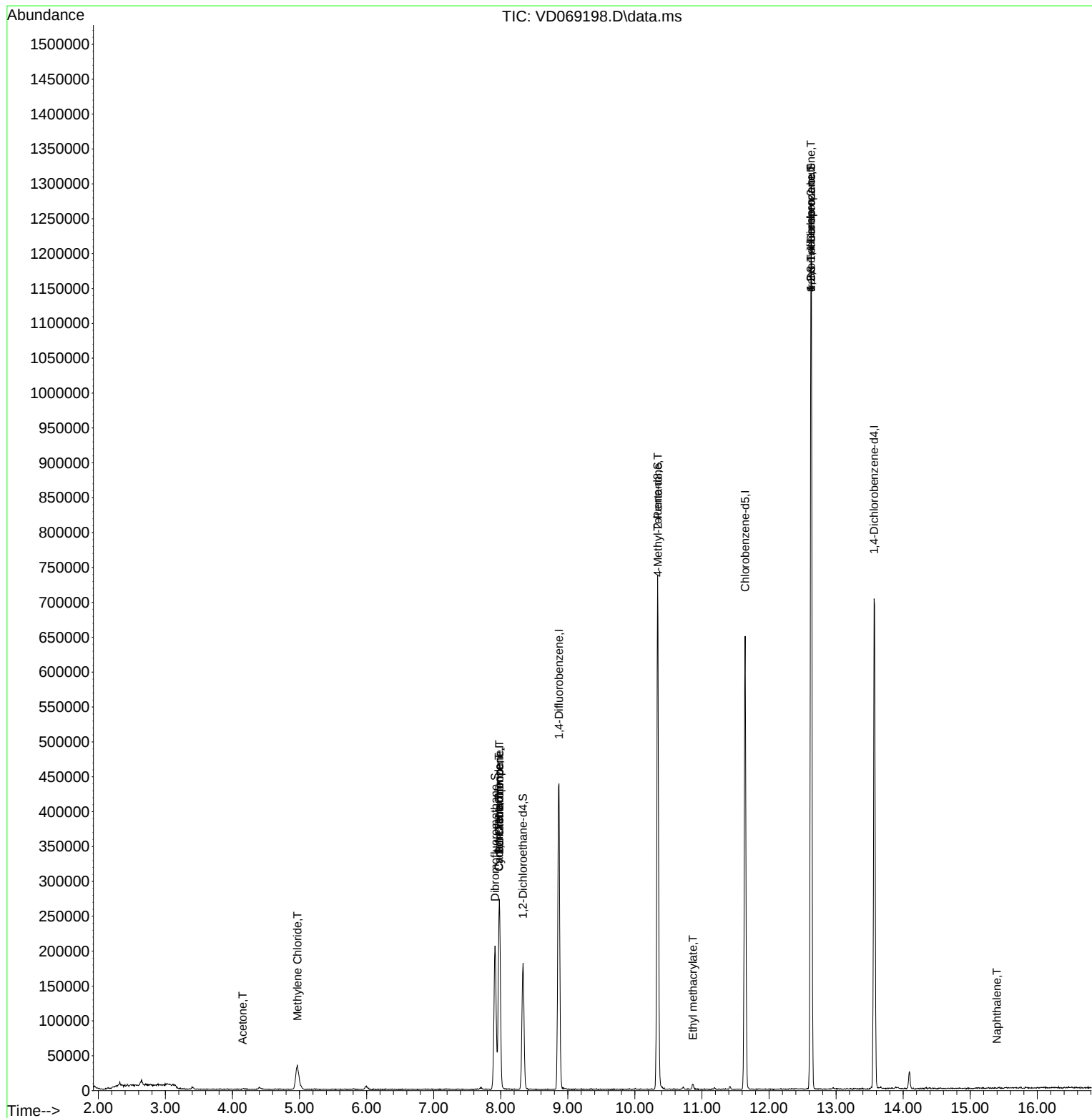
Internal Standards						
1) Pentafluorobenzene	7.979	168	195803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	387215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	383004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	199273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	145140	73.94	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 147.88%			
35) Dibromofluoromethane	7.914	113	145682	57.81	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.62%			
50) Toluene-d8	10.338	98	492449	53.19	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.38%			
62) 4-Bromofluorobenzene	12.626	95	178135	59.79	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.58%			
Target Compounds						
11) Tert butyl alcohol	5.226	59	527	Below Cal	#	73
16) Acetone	4.150	43	780	2.59	ug/l #	86
20) Methylene Chloride	4.968	84	28282	3.03	ug/l	96
31) Cyclohexane	7.973	56	4811	1.65	ug/l #	48
36) 1,1-Dichloropropene	7.979	75	15831	4.21	ug/l #	44
38) Carbon Tetrachloride	7.973	117	20238	4.81	ug/l #	17
51) 4-Methyl-2-Pentanone	10.344	43	1917	1.70	ug/l #	1
56) Ethyl methacrylate	10.867	69	452	1.51	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	97992	65.42	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	97992	132.14	ug/l #	15
95) Naphthalene	15.396	128	70	2.06	ug/l #	69

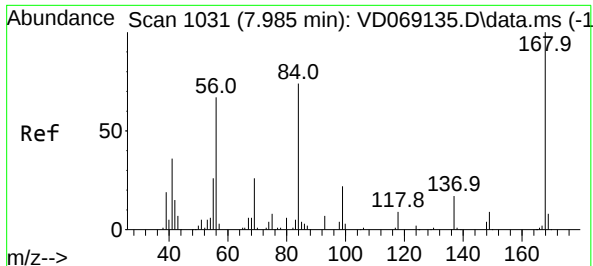
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 20 01:01:58 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

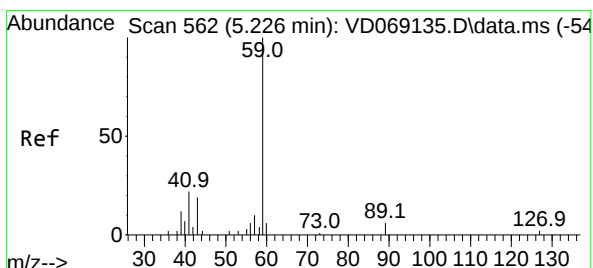
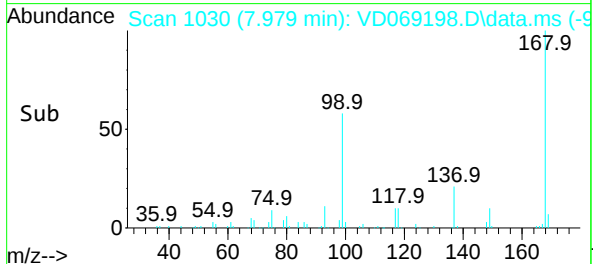
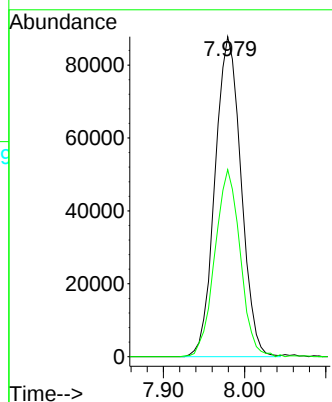
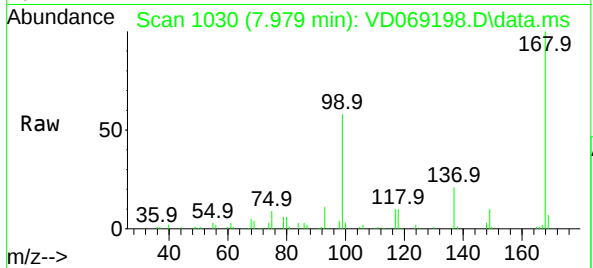




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

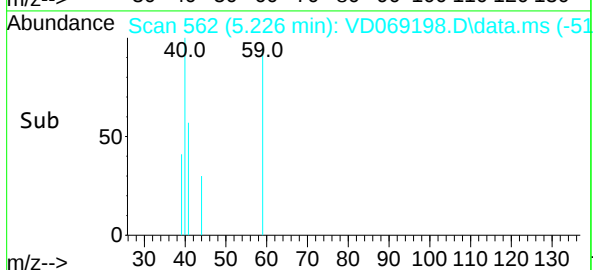
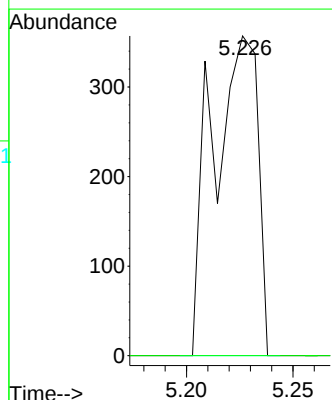
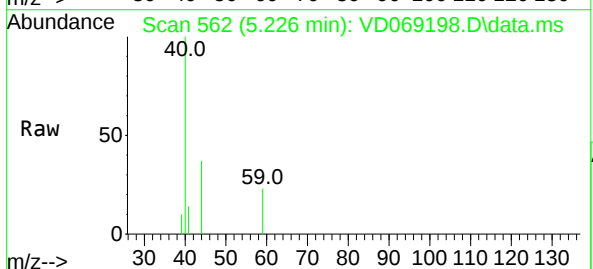
Instrument :
MSVOA_D
ClientSampled :

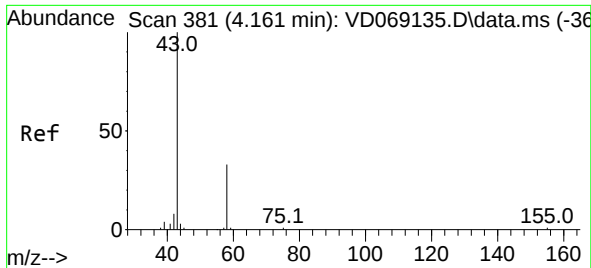
Tgt Ion:168 Resp: 195803
Ion Ratio Lower Upper
168 100
99 58.5 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

Tgt Ion: 59 Resp: 527
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

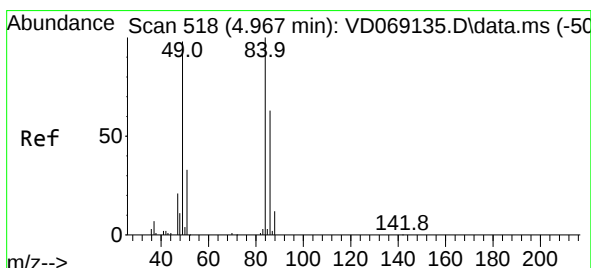
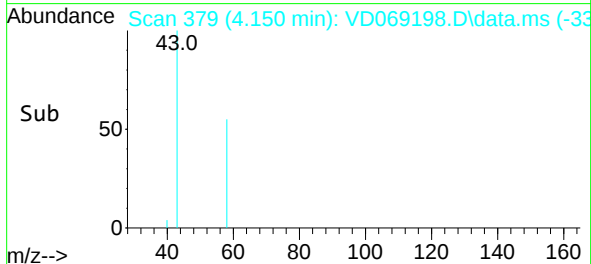
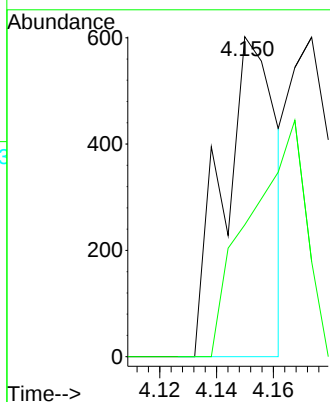
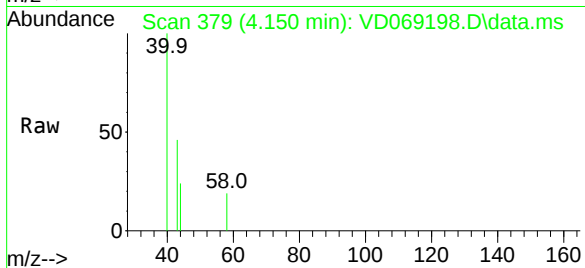




#16
Acetone
Concen: 2.59 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.011 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

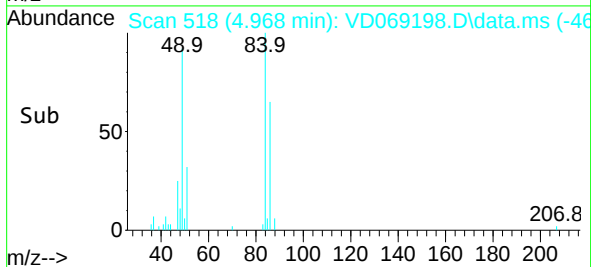
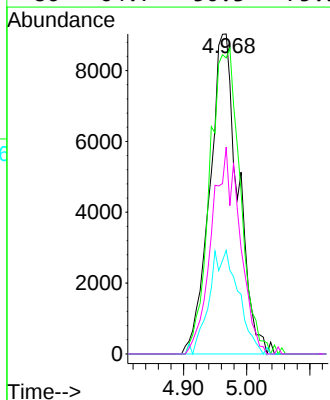
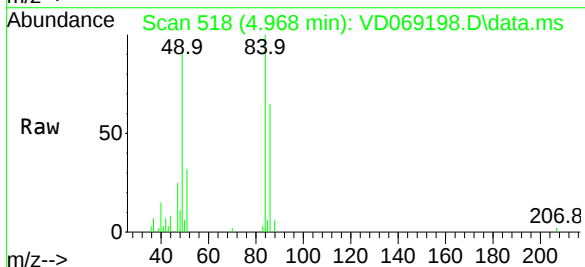
Instrument :
MSVOA_D
ClientSampled :

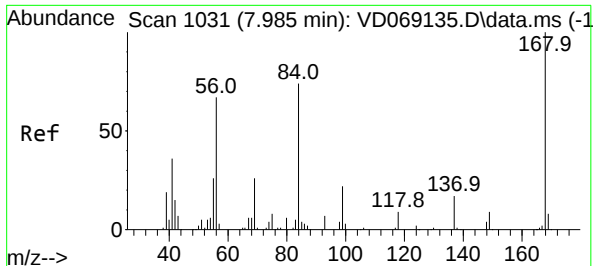
Tgt Ion: 43 Resp: 780
Ion Ratio Lower Upper
43 100
58 41.2 26.7 40.1#



#20
Methylene Chloride
Concen: 3.03 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.001 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

Tgt Ion: 84 Resp: 28282
Ion Ratio Lower Upper
84 100
49 92.5 78.6 117.8
51 32.4 26.7 40.1
86 64.7 50.3 75.5

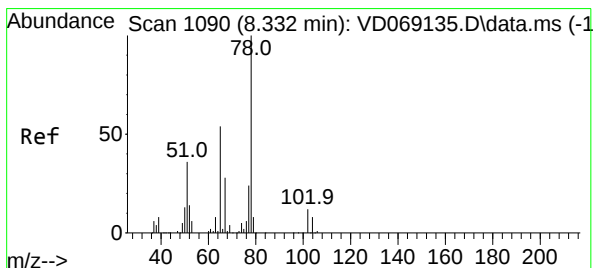
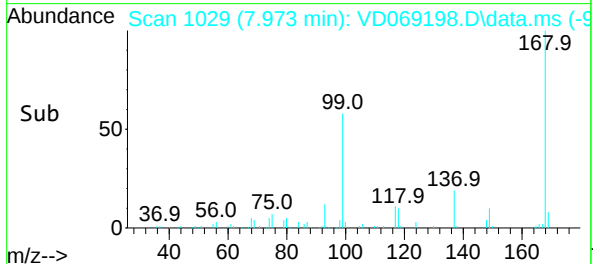
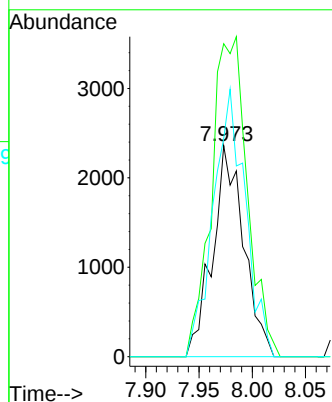
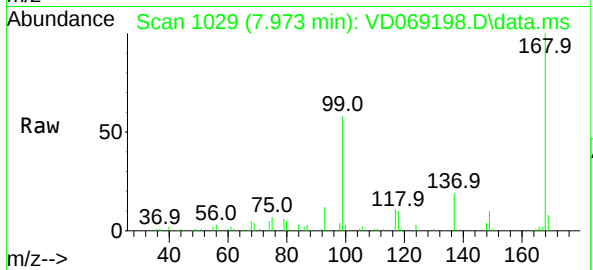




#31
Cyclohexane
Concen: 1.65 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.011 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

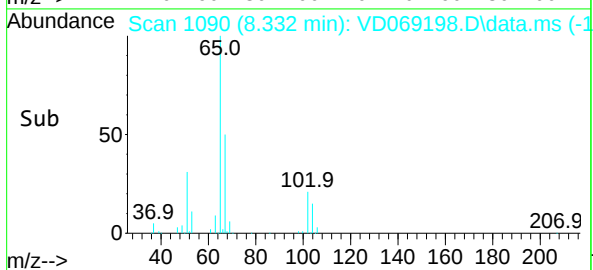
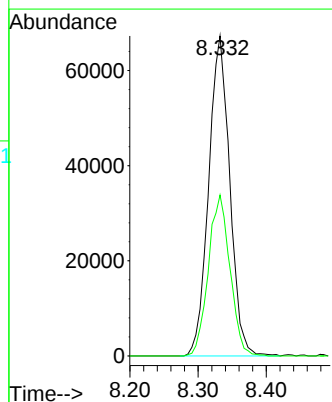
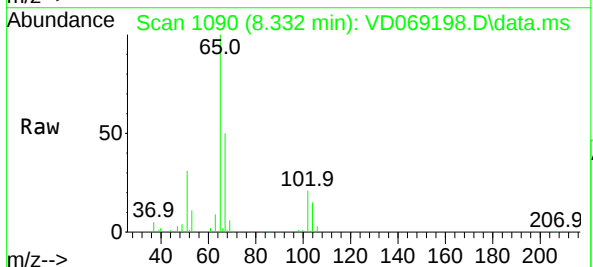
Instrument :
MSVOA_D
ClientSampleId :

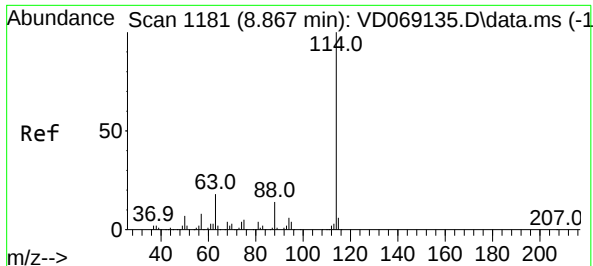
Tgt Ion: 56 Resp: 4811
Ion Ratio Lower Upper
56 100
69 148.3 30.6 46.0#
84 103.3 88.0 132.0



#33
1,2-Dichloroethane-d4
Concen: 73.94 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

Tgt Ion: 65 Resp: 145140
Ion Ratio Lower Upper
65 100
67 51.4 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

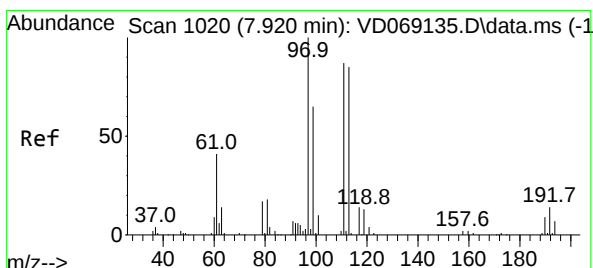
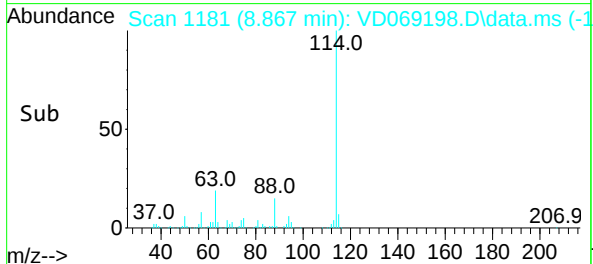
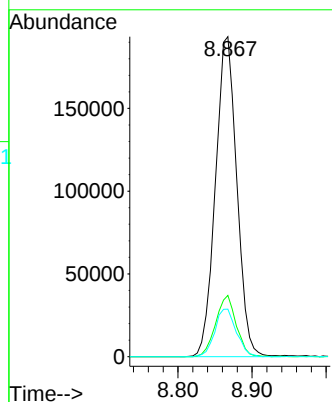
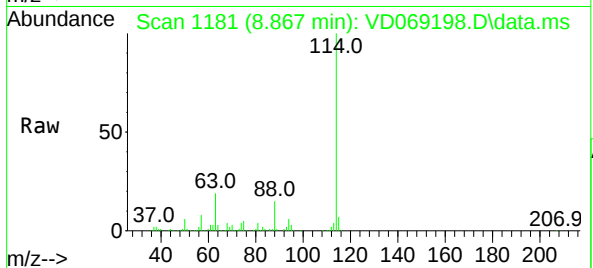
Delta R.T. 0.000 min

Lab File: VD069198.D

Acq: 19 May 2021 15:58

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	114	Resp:	387215
Ion Ratio	Lower	Upper	
114	100		
63	19.2	0.0	36.4
88	14.8	0.0	28.2



#35

Dibromofluoromethane

Concen: 57.81 ug/l

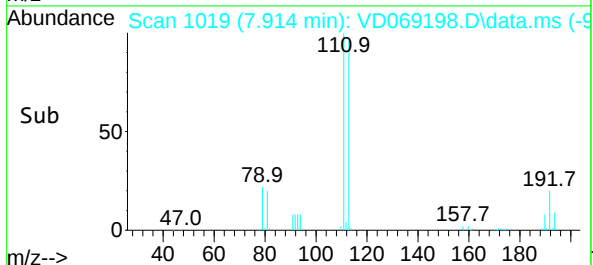
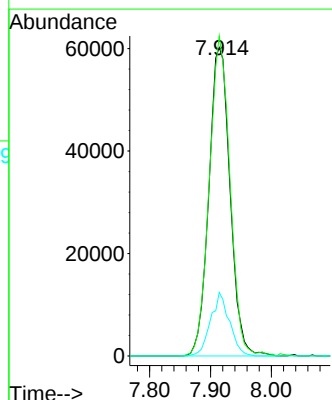
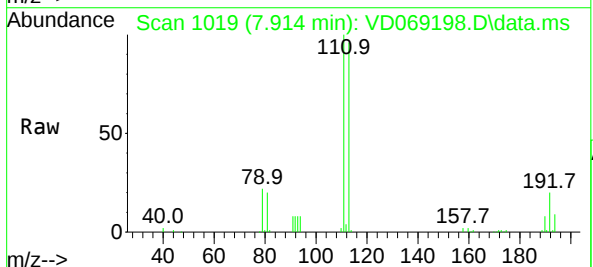
RT: 7.914 min Scan# 1019

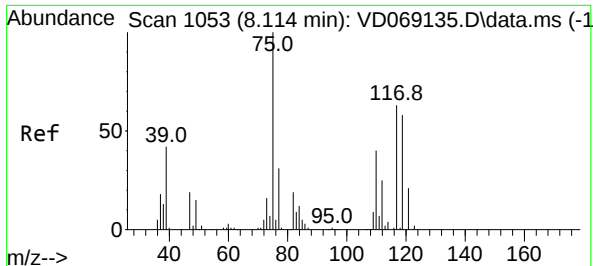
Delta R.T. -0.005 min

Lab File: VD069198.D

Acq: 19 May 2021 15:58

Tgt Ion:	113	Resp:	145682
Ion Ratio	Lower	Upper	
113	100		
111	101.0	80.6	120.8
192	18.3	14.8	22.2





#36

1,1-Dichloropropene

Concen: 4.21 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

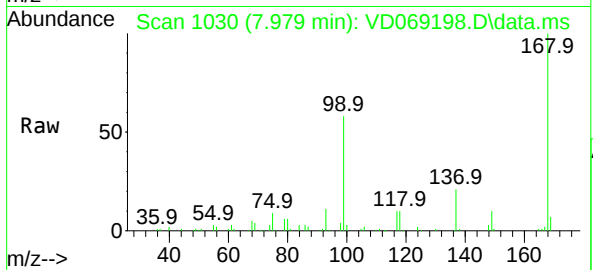
Lab File: VD069198.D

Acq: 19 May 2021 15:58

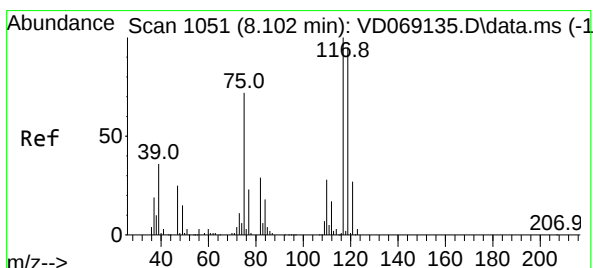
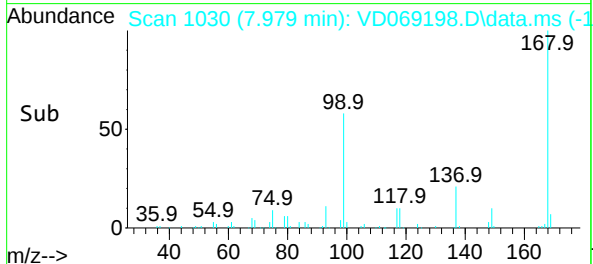
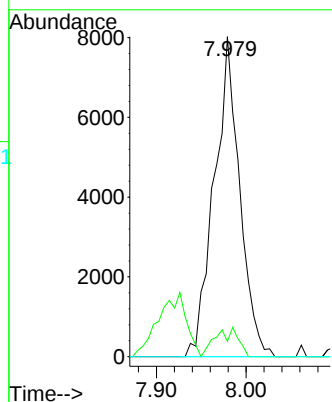
Instrument :

MSVOA_D

ClientSampled :



Tgt Ion: 75	Resp: 15831
Ion Ratio	Lower Upper
75 100	
110 4.9	18.8 56.4#
77 0.0	25.2 37.8#



#38

Carbon Tetrachloride

Concen: 4.81 ug/l

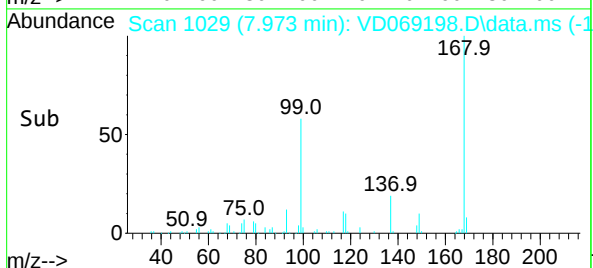
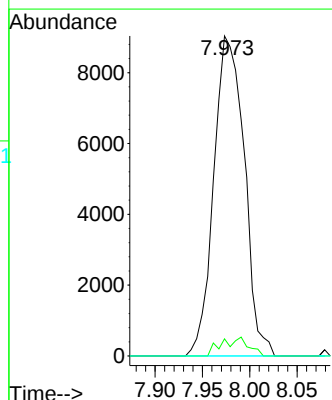
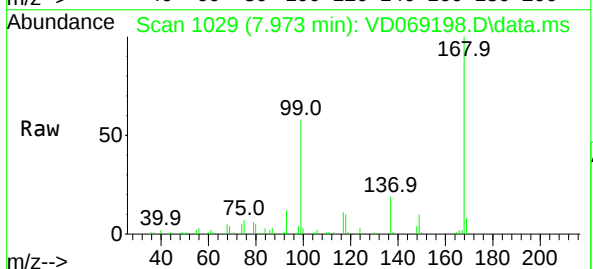
RT: 7.973 min Scan# 1029

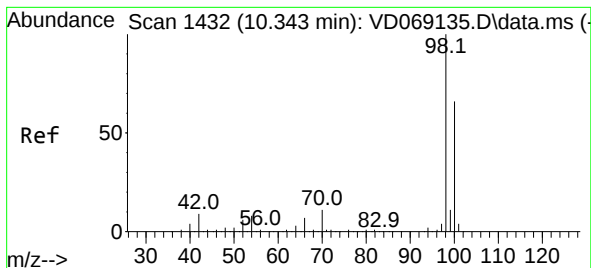
Delta R.T. -0.129 min

Lab File: VD069198.D

Acq: 19 May 2021 15:58

Tgt Ion: 117	Resp: 20238
Ion Ratio	Lower Upper
117 100	
119 5.4	76.2 114.2#
121 0.0	21.9 32.9#

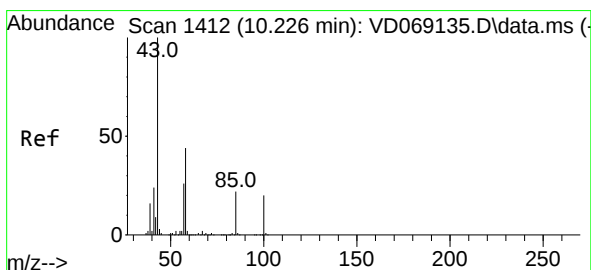
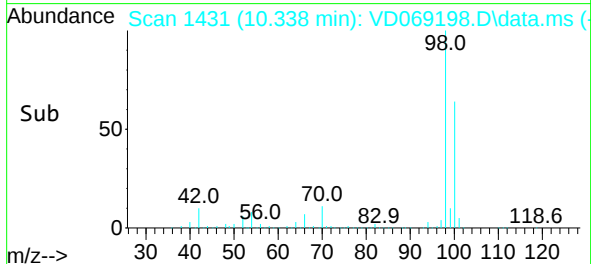
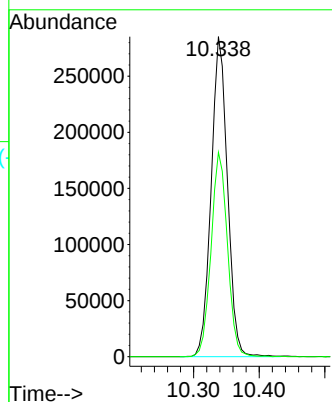
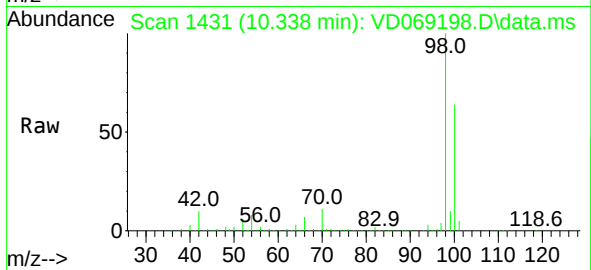




#50
Toluene-d8
Concen: 53.19 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

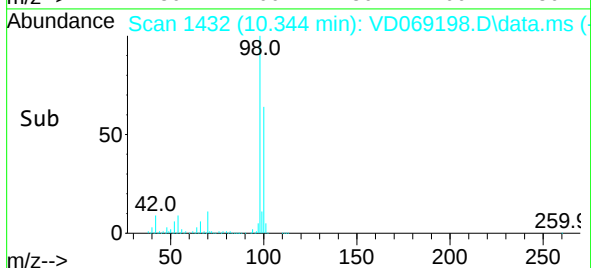
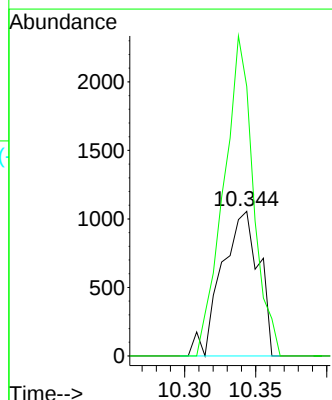
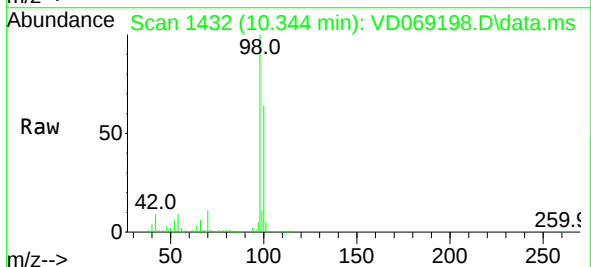
Instrument :
MSVOA_D
ClientSampled :

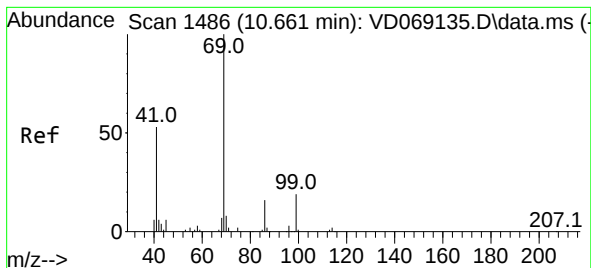
Tgt Ion: 98 Resp: 492449
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 1.70 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

Tgt Ion: 43 Resp: 1917
Ion Ratio Lower Upper
43 100
58 177.5 35.0 52.4#

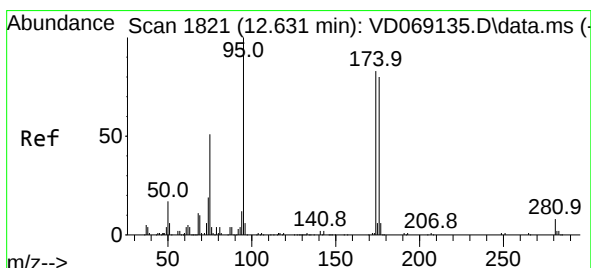
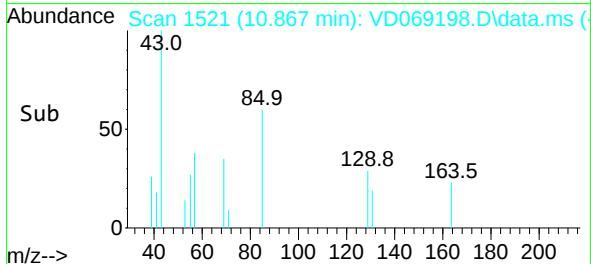
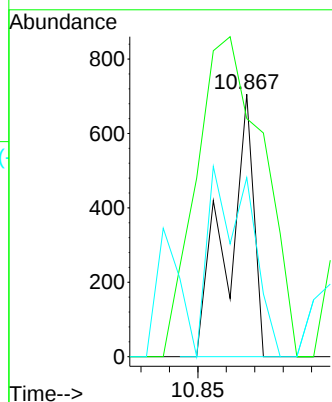
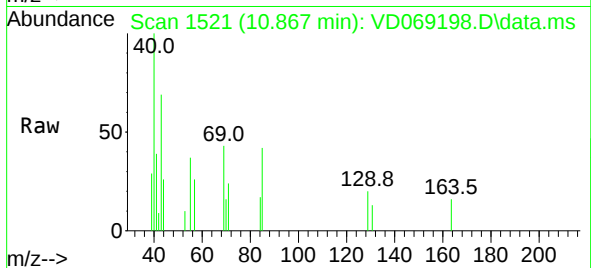




#56
Ethyl methacrylate
Concen: 1.51 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. 0.206 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

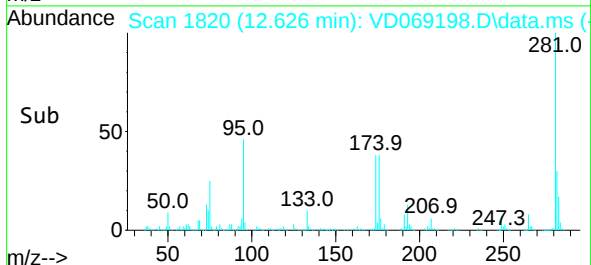
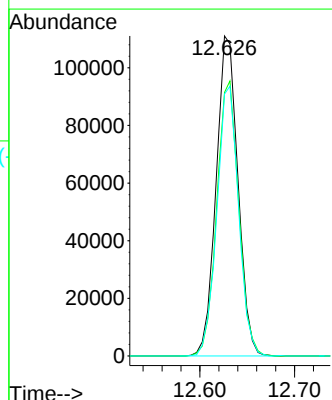
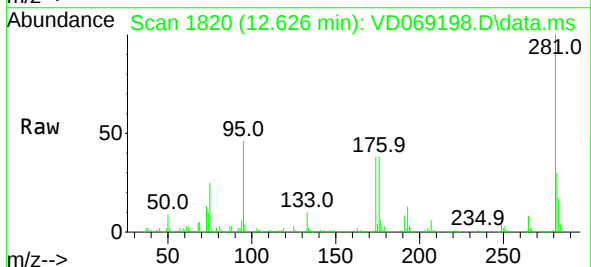
Instrument :
MSVOA_D
ClientSampled :

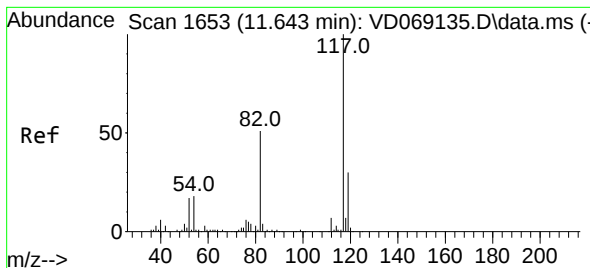
Tgt Ion: 69 Resp: 452
Ion Ratio Lower Upper
69 100
41 310.4 42.2 63.2#
39 114.2 26.3 39.5#



#62
4-Bromofluorobenzene
Concen: 59.79 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.005 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

Tgt Ion: 95 Resp: 178135
Ion Ratio Lower Upper
95 100
174 86.1 0.0 171.8
176 83.5 0.0 165.4

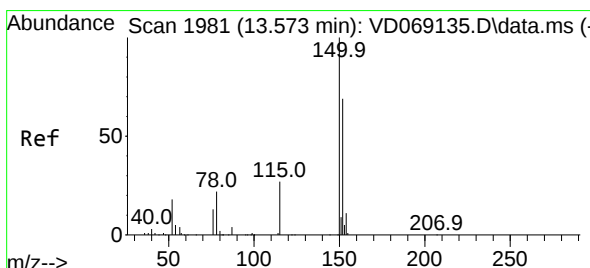
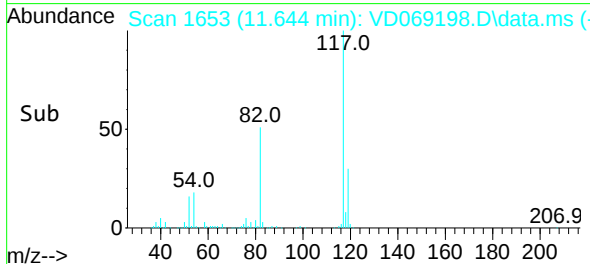
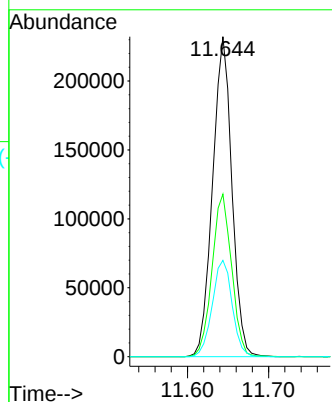
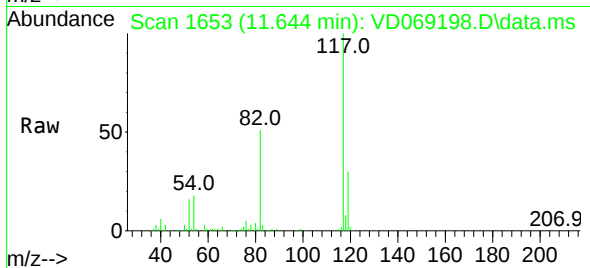




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

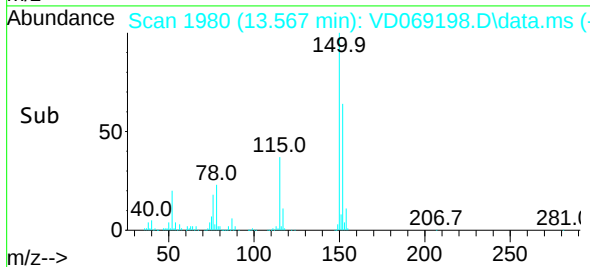
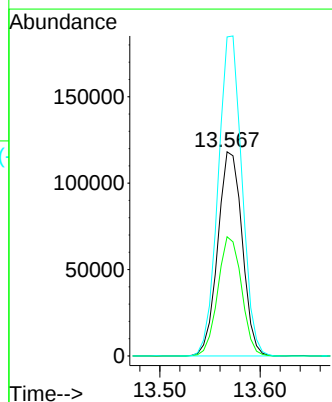
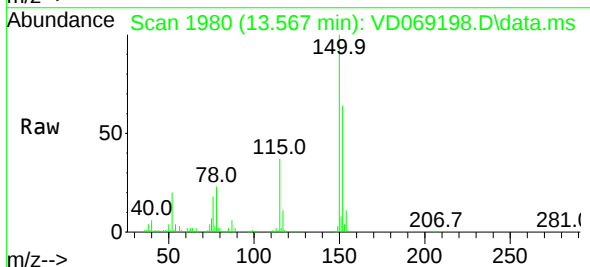
Instrument :
MSVOA_D
ClientSampleId :

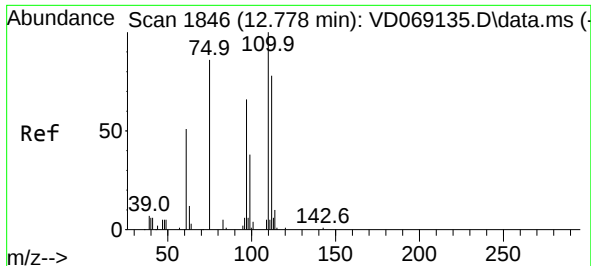
Tgt Ion:117 Resp: 383004
Ion Ratio Lower Upper
117 100
82 50.8 40.5 60.7
119 30.1 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

Tgt Ion:152 Resp: 199273
Ion Ratio Lower Upper
152 100
115 57.0 29.9 89.8
150 153.4 0.0 350.2

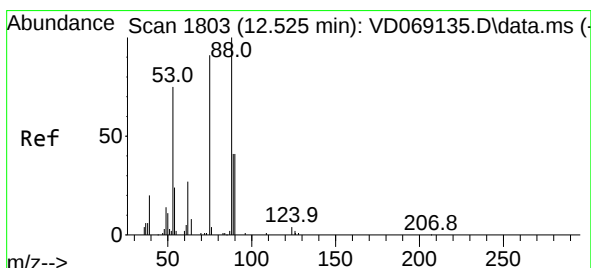
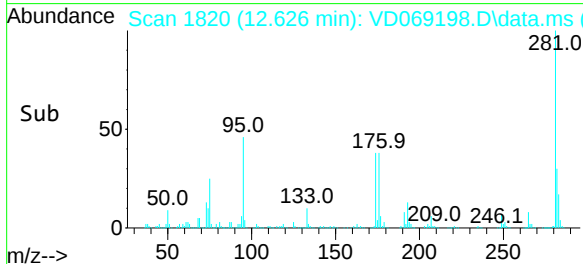
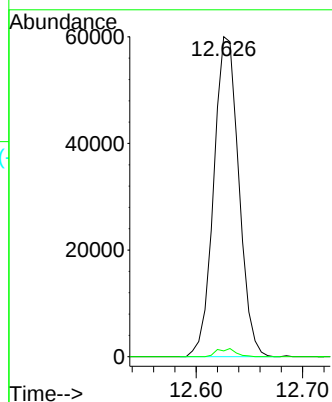
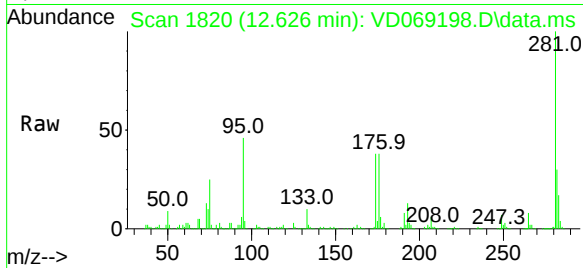




#76
1,2,3-Trichloropropane
Concen: 65.42 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

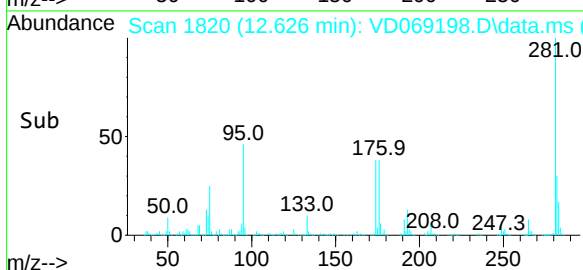
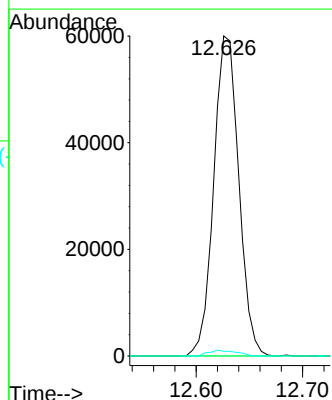
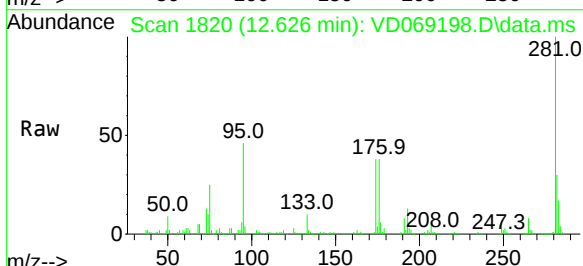
Instrument :
MSVOA_D
ClientSampled :

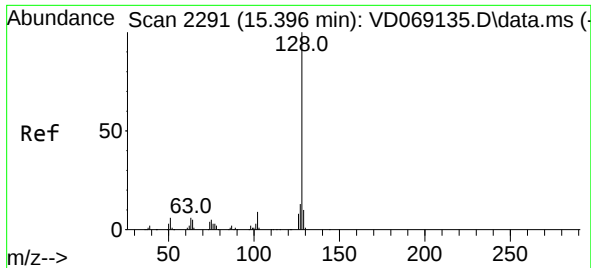
Tgt Ion: 75 Resp: 97992
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.14 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

Tgt Ion: 75 Resp: 97992
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 2.0 40.2 60.2#





#95
Naphthalene
Concen: 2.06 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069198.D
Acq: 19 May 2021 15:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 70
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

