

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051321\
 Data File : VD069159.D
 Acq On : 13 May 2021 16:08
 Operator : VA/SY
 Sample : M2372-03
 Misc : 5.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27051

Quant Time: May 14 01:22:27 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)

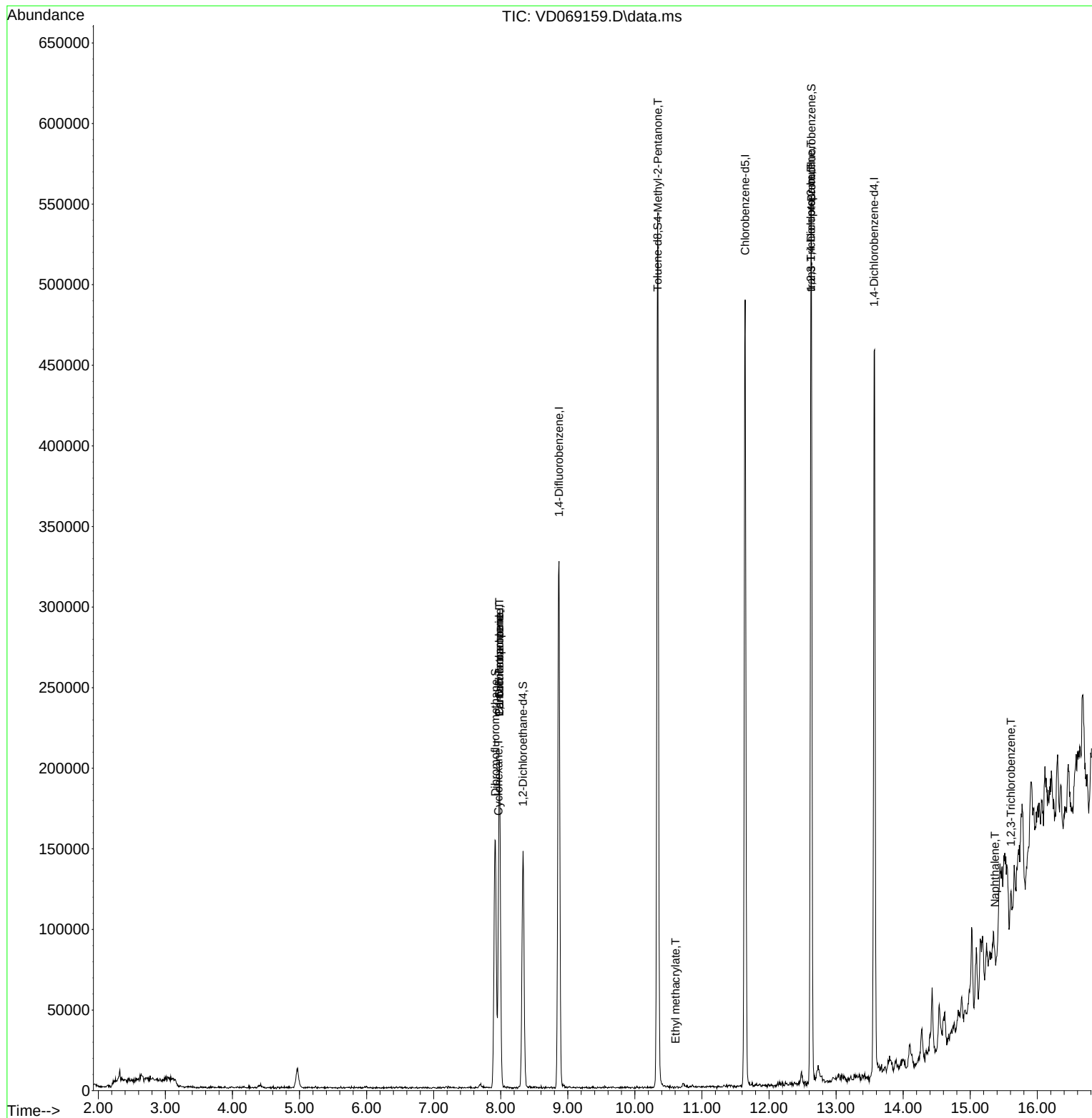
Internal Standards						
1) Pentafluorobenzene	7.979	168	145597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	290518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	292608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	123285	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	117319	80.38	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.76%			
35) Dibromofluoromethane	7.920	113	110616	58.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.02%			
50) Toluene-d8	10.338	98	371616	53.49	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.98%			
62) 4-Bromofluorobenzene	12.632	95	126186	56.45	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.90%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.209	59	142	Below Cal	#	73
20) Methylene Chloride	4.973	84	9590	Below Cal	#	86
31) Cyclohexane	7.967	56	3761	1.74 ug/l	#	32
36) 1,1-Dichloropropene	7.979	75	12565	4.45 ug/l	#	49
38) Carbon Tetrachloride	7.979	117	15267	4.84 ug/l	#	15
51) 4-Methyl-2-Pentanone	10.344	43	1956	2.31 ug/l	#	1
56) Ethyl methacrylate	10.608	69	62	1.35 ug/l	#	1
76) 1,2,3-Trichloropropane	12.626	75	64046	69.11 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.626	75	64046	139.60 ug/l	#	14
95) Naphthalene	15.367	128	260	2.11 ug/l	#	1
96) 1,2,3-Trichlorobenzene	15.608	180	1912	1.03 ug/l	#	24

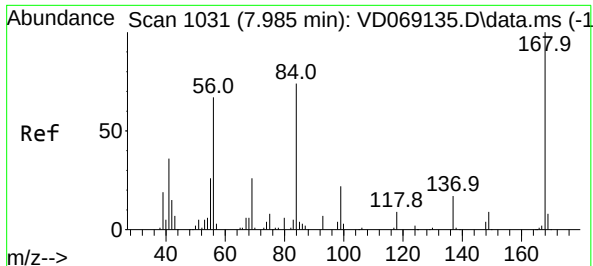
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.12G/5.00ml/MSVOA_D/SOIL
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ClientSampleId :
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Quant Time: May 14 01:22:27 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

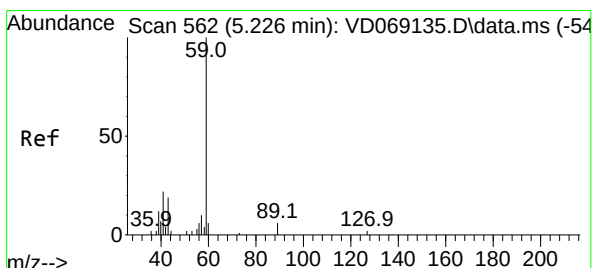
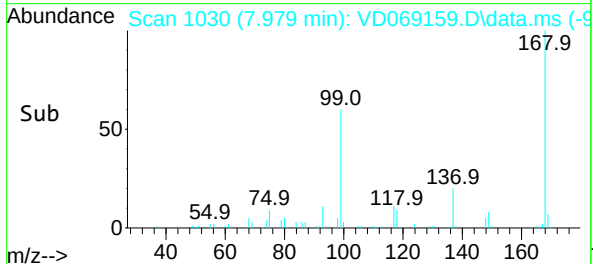
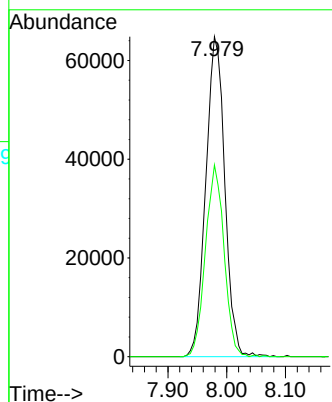
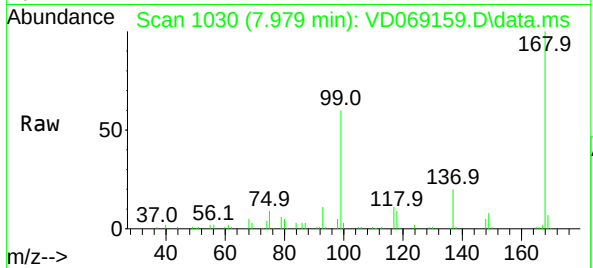




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

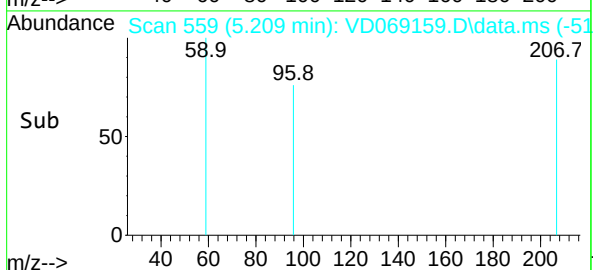
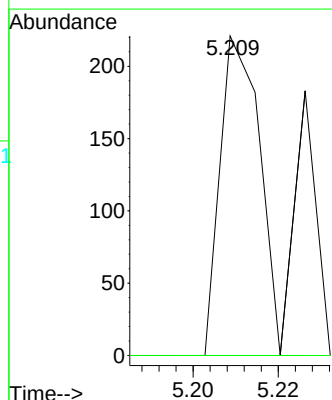
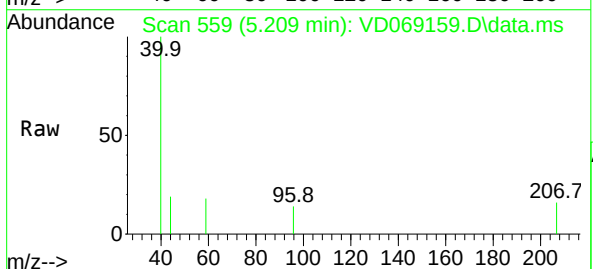
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27051

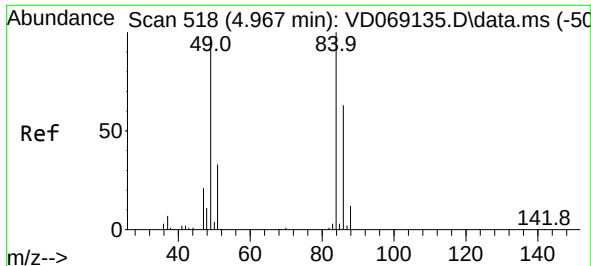
Tgt Ion:168 Resp: 145597
Ion Ratio Lower Upper
168 100
99 59.9 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.017 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

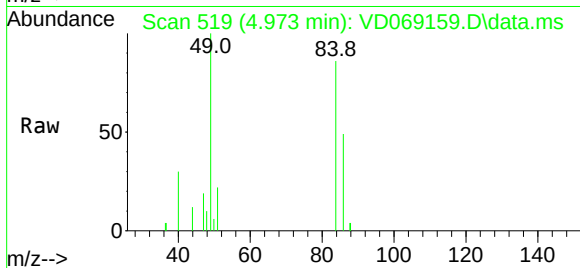
Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



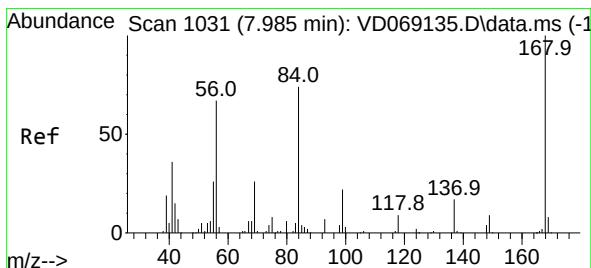
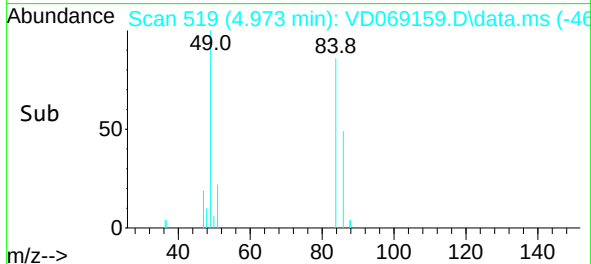
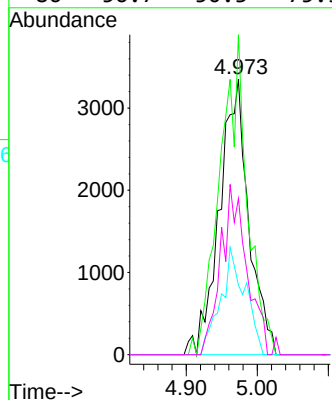


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27051

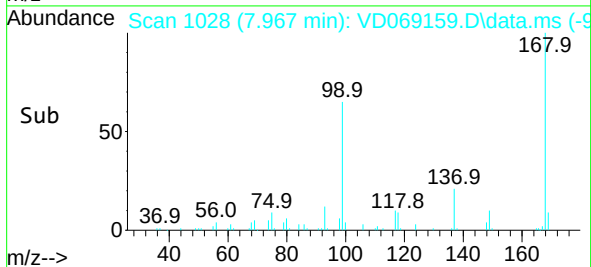
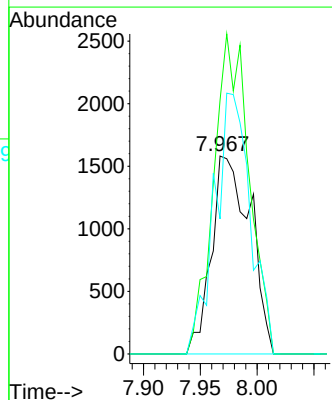
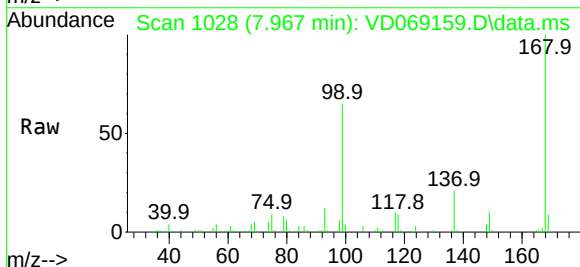


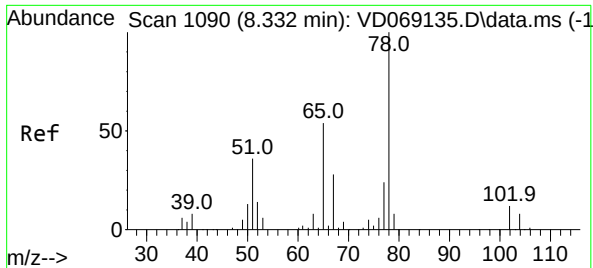
Tgt Ion:	84	Resp:	9590
Ion	Ratio	Lower	Upper
84	100		
49	116.2	78.6	117.8
51	25.3	26.7	40.1#
86	56.7	50.3	75.5



#31
Cyclohexane
Concen: 1.74 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.017 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

Tgt Ion:	56	Resp:	3761
Ion	Ratio	Lower	Upper
56	100		
69	128.2	30.6	46.0#
84	68.2	88.0	132.0#

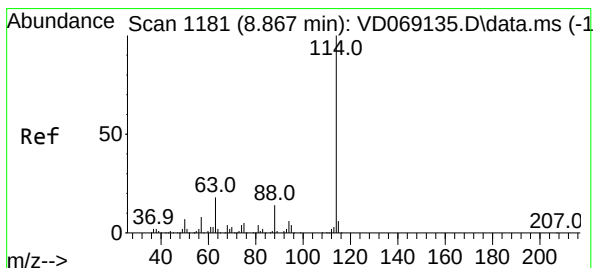
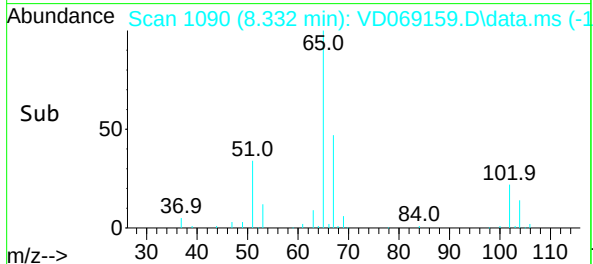
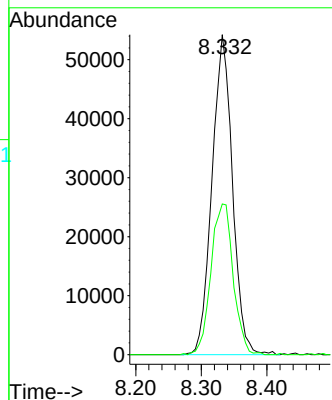
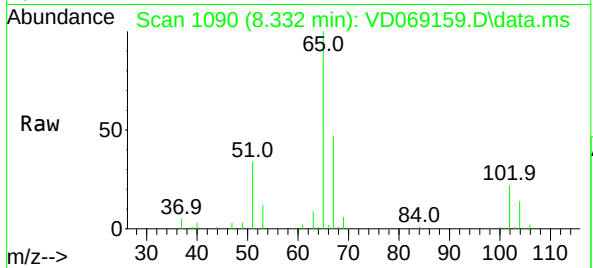




#33
1,2-Dichloroethane-d4
Concen: 80.38 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

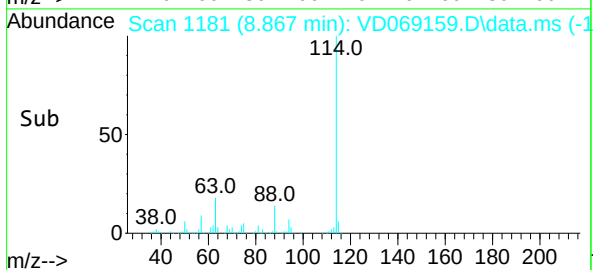
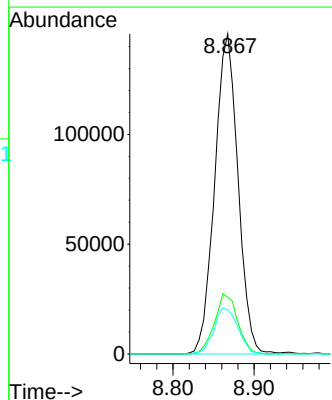
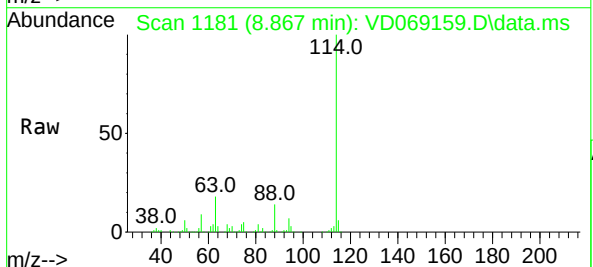
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27051

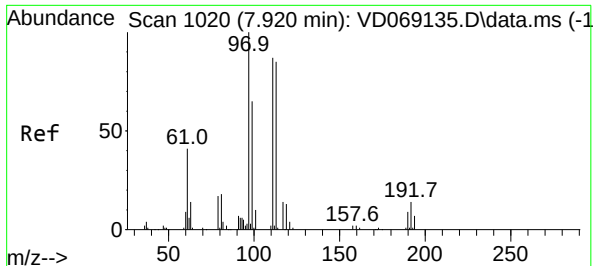
Tgt Ion: 65 Resp: 117319
Ion Ratio Lower Upper
65 100
67 51.2 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

Tgt Ion: 114 Resp: 290518
Ion Ratio Lower Upper
114 100
63 17.8 0.0 36.4
88 13.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 58.51 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD069159.D

Acq: 13 May 2021 16:08

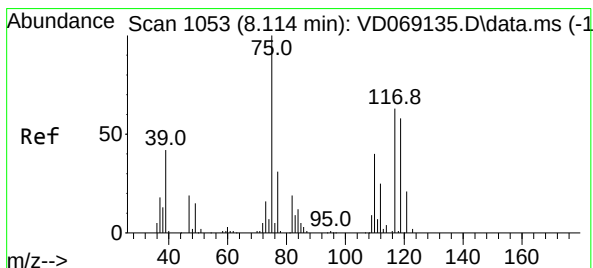
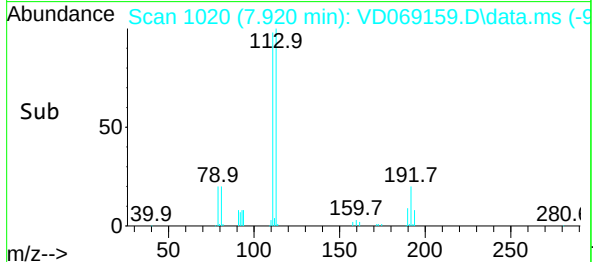
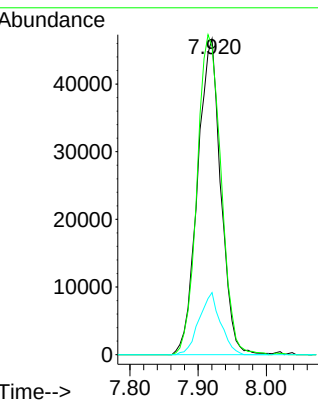
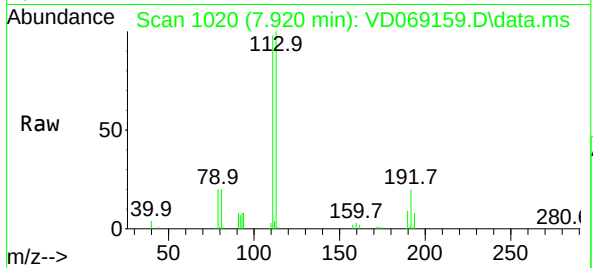
Tgt Ion:113 Resp: 110616

Ion Ratio Lower Upper

113 100

111 104.6 80.6 120.8

192 18.2 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.45 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069159.D

Acq: 13 May 2021 16:08

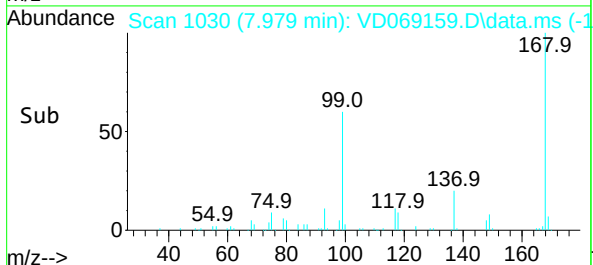
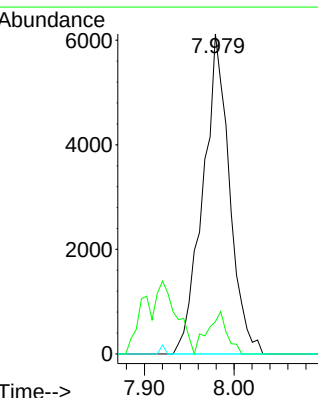
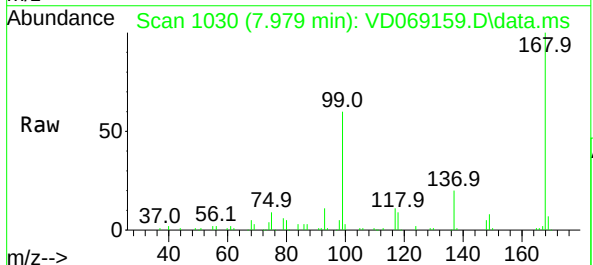
Tgt Ion: 75 Resp: 12565

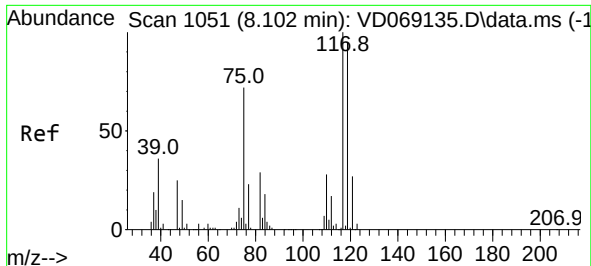
Ion Ratio Lower Upper

75 100

110 9.8 18.8 56.4#

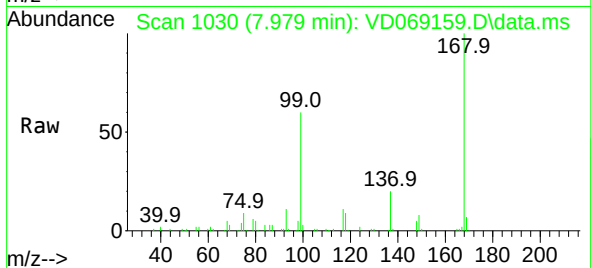
77 0.0 25.2 37.8#



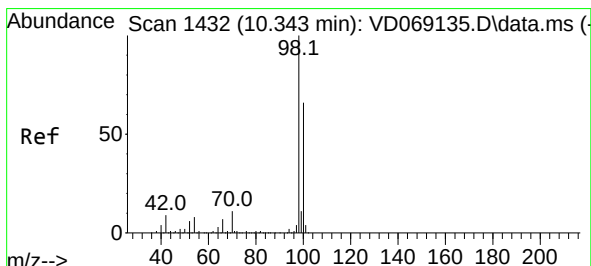
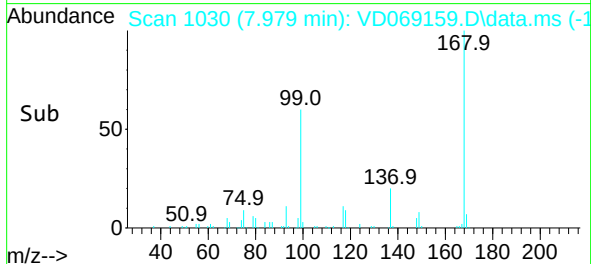
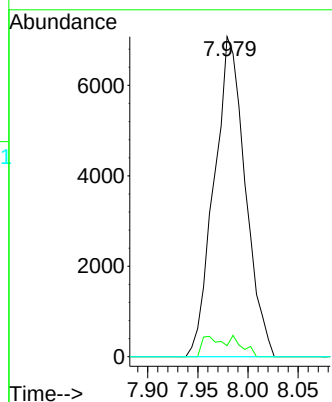


#38
Carbon Tetrachloride
Concen: 4.84 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27051

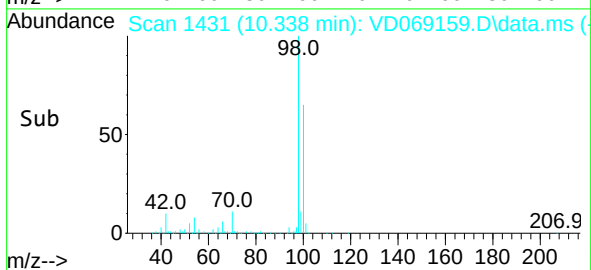
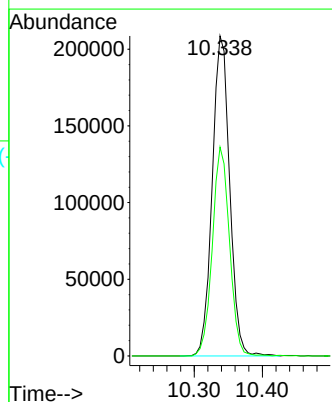
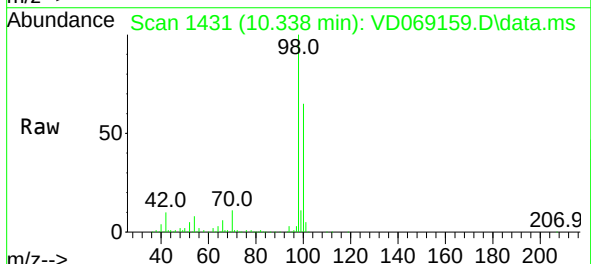


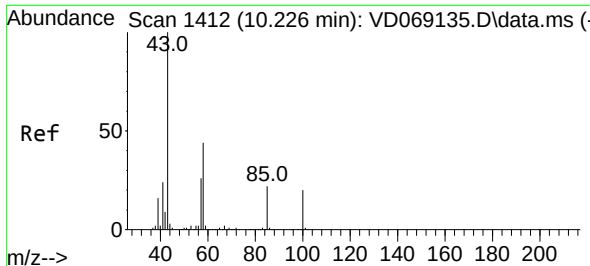
Tgt Ion:117 Resp: 15267
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 21.9 32.9#



#50
Toluene-d8
Concen: 53.49 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

Tgt Ion: 98 Resp: 371616
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.8

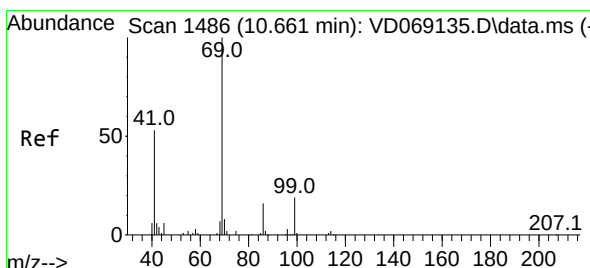
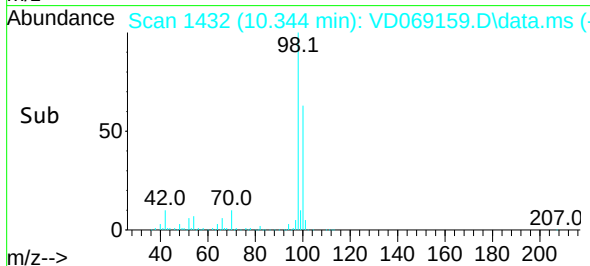
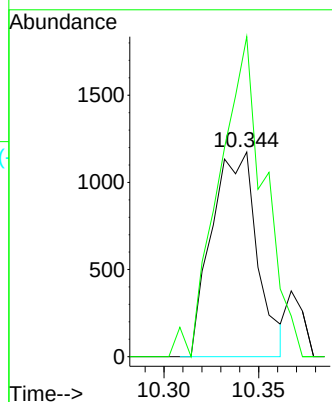
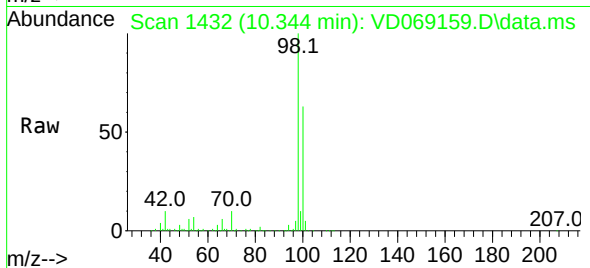




#51
4-Methyl-2-Pentanone
Concen: 2.31 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

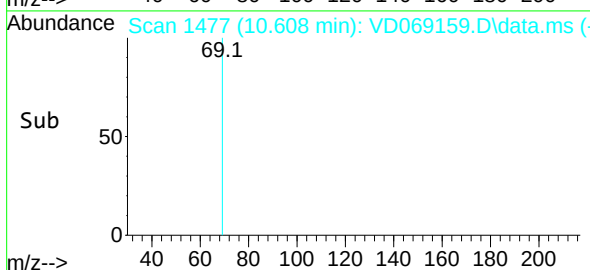
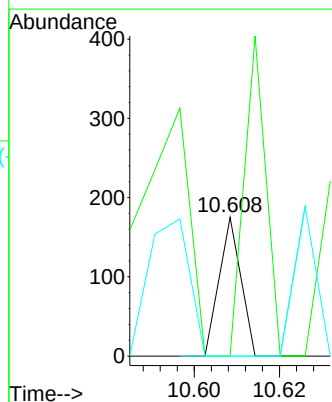
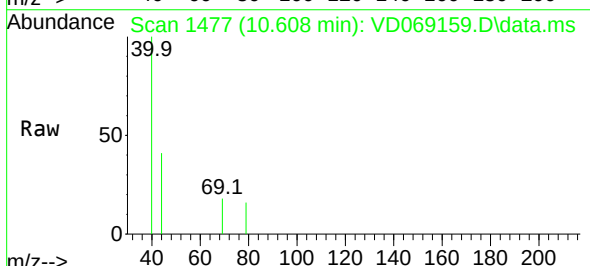
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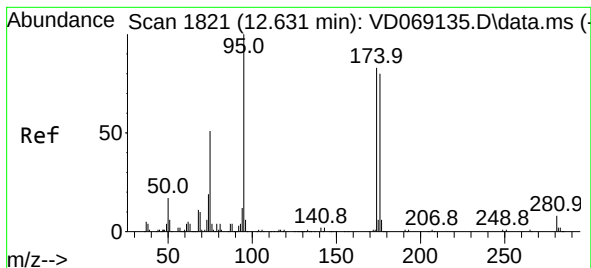
Tgt Ion: 43 Resp: 1956
Ion Ratio Lower Upper
43 100
58 157.4 35.0 52.4#



#56
Ethyl methacrylate
Concen: 1.35 ug/l
RT: 10.608 min Scan# 1477
Delta R.T. -0.053 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

Tgt Ion: 69 Resp: 62
Ion Ratio Lower Upper
69 100
41 229.0 42.2 63.2#
39 0.0 26.3 39.5#

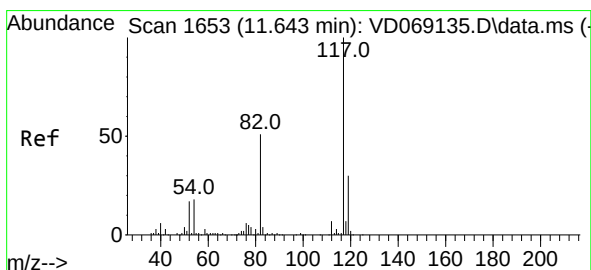
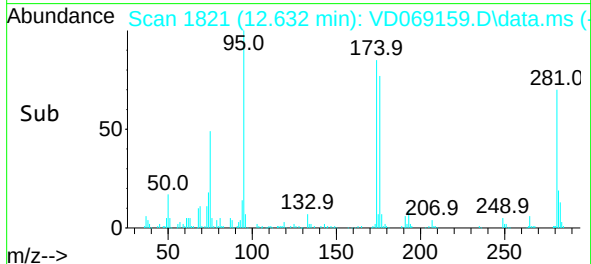
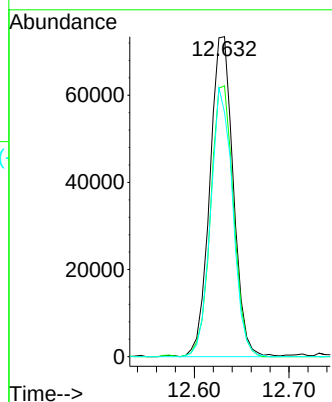
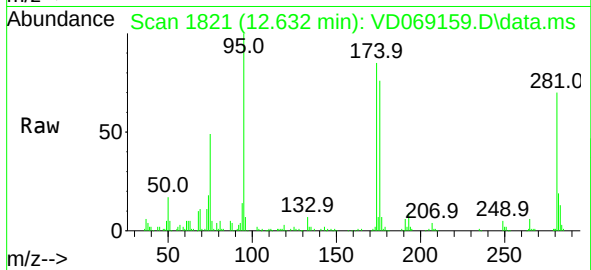




#62
4-Bromofluorobenzene
Concen: 56.45 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

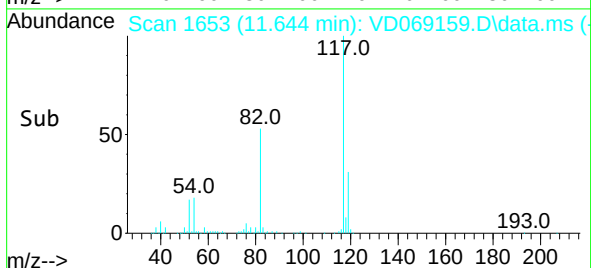
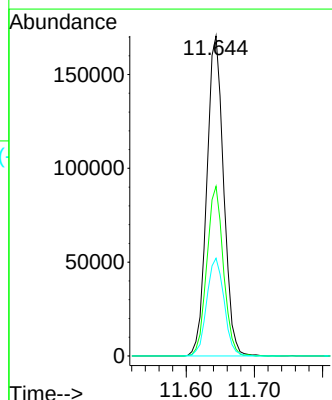
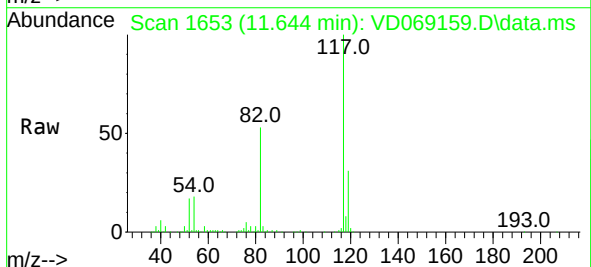
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27051

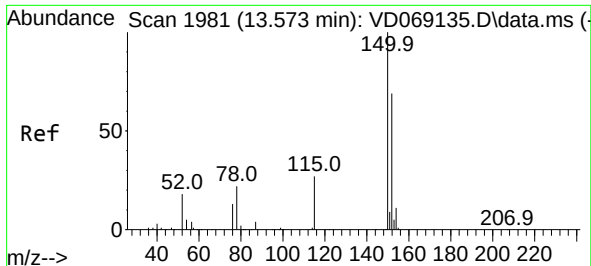
Tgt Ion: 95 Resp: 126186
Ion Ratio Lower Upper
95 100
174 82.7 0.0 171.8
176 79.0 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

Tgt Ion: 117 Resp: 292608
Ion Ratio Lower Upper
117 100
82 53.0 40.5 60.7
119 30.5 24.2 36.4

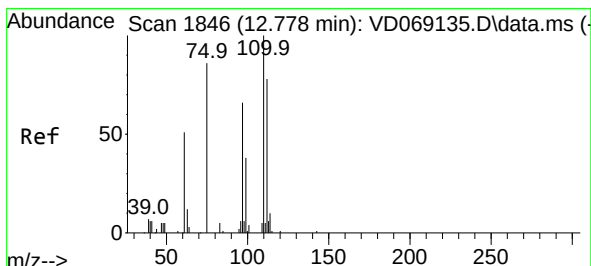
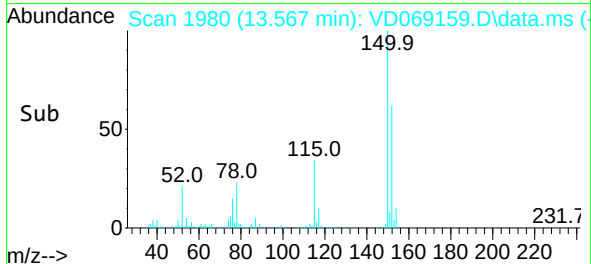
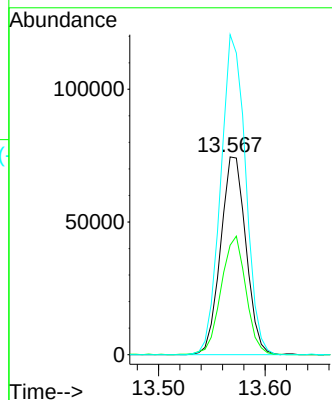
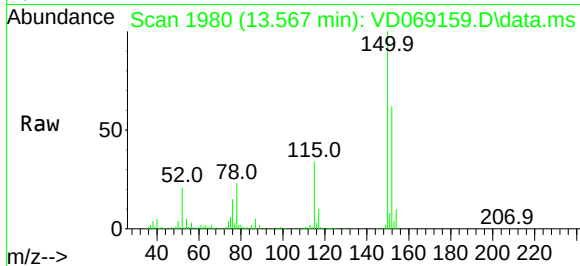




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

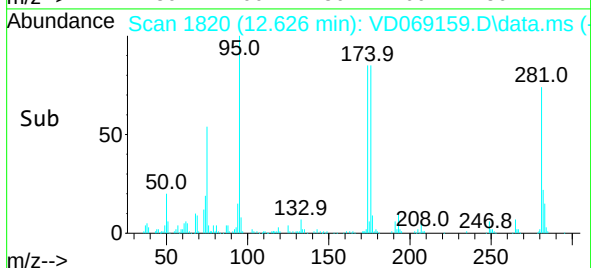
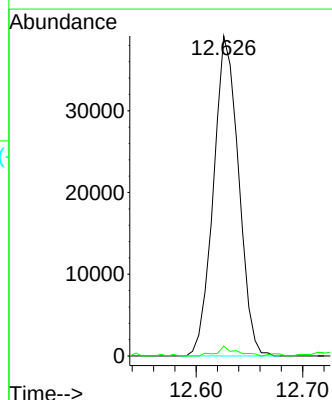
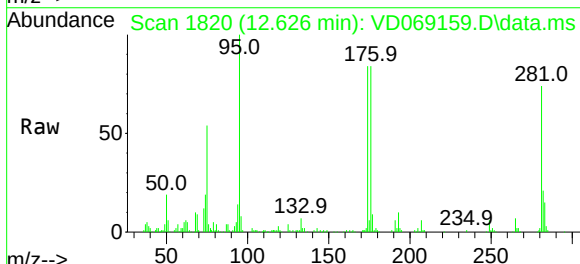
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27051

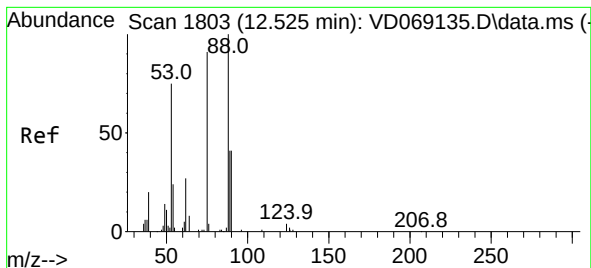
Tgt Ion:152 Resp: 123285
Ion Ratio Lower Upper
152 100
115 58.7 29.9 89.8
150 159.0 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 69.11 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

Tgt Ion: 75 Resp: 64046
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#

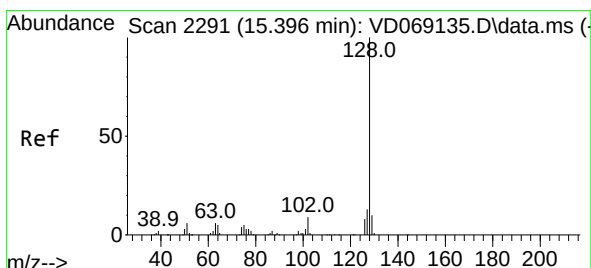
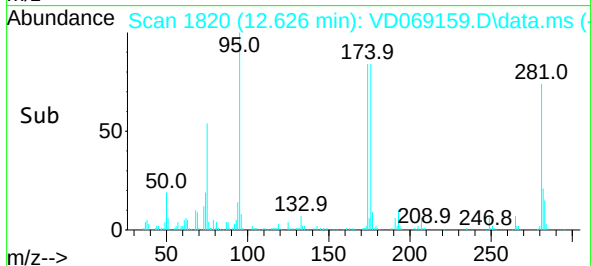
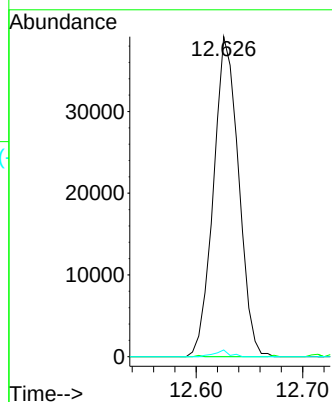
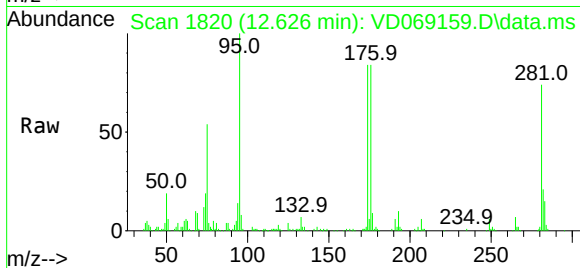




#81
trans-1,4-Dichloro-2-butene
Concen: 139.60 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

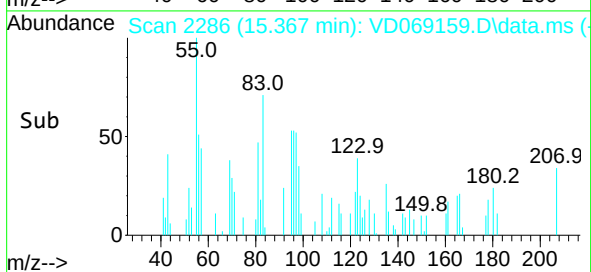
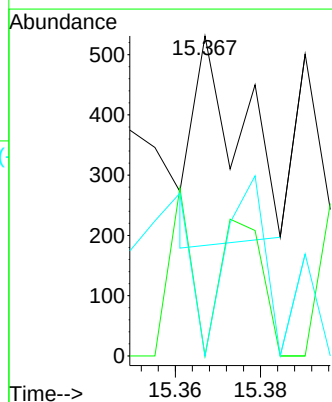
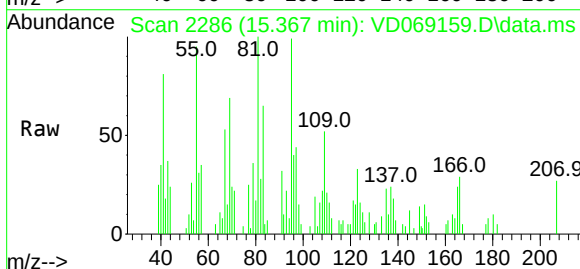
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27051

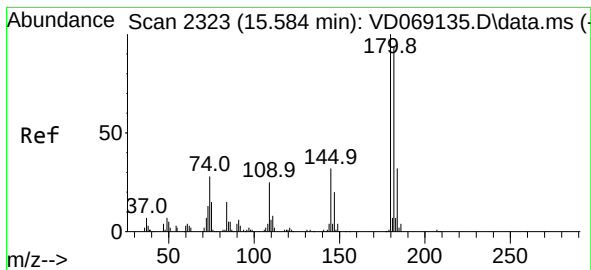
Tgt Ion: 75 Resp: 64046
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 1.2 40.2 60.2#



#95
Naphthalene
Concen: 2.11 ug/l
RT: 15.367 min Scan# 2286
Delta R.T. -0.029 min
Lab File: VD069159.D
Acq: 13 May 2021 16:08

Tgt Ion:128 Resp: 260
Ion Ratio Lower Upper
128 100
127 59.2 10.5 15.7#
129 70.8 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.03 ug/l
 RT: 15.608 min Scan# 2327
 Delta R.T. 0.024 min
 Lab File: VD069159.D
 Acq: 13 May 2021 16:08

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27051

Tgt Ion:180 Resp: 1912
 Ion Ratio Lower Upper
 180 100
 182 15.7 47.8 143.4#
 145 0.0 16.1 48.3#

