

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051421\
 Data File : VD069185.D
 Acq On : 14 May 2021 19:13
 Operator : VA/SY
 Sample : M2372-05
 Misc : 3.46G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-26598

Quant Time: May 15 02:37:12 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)

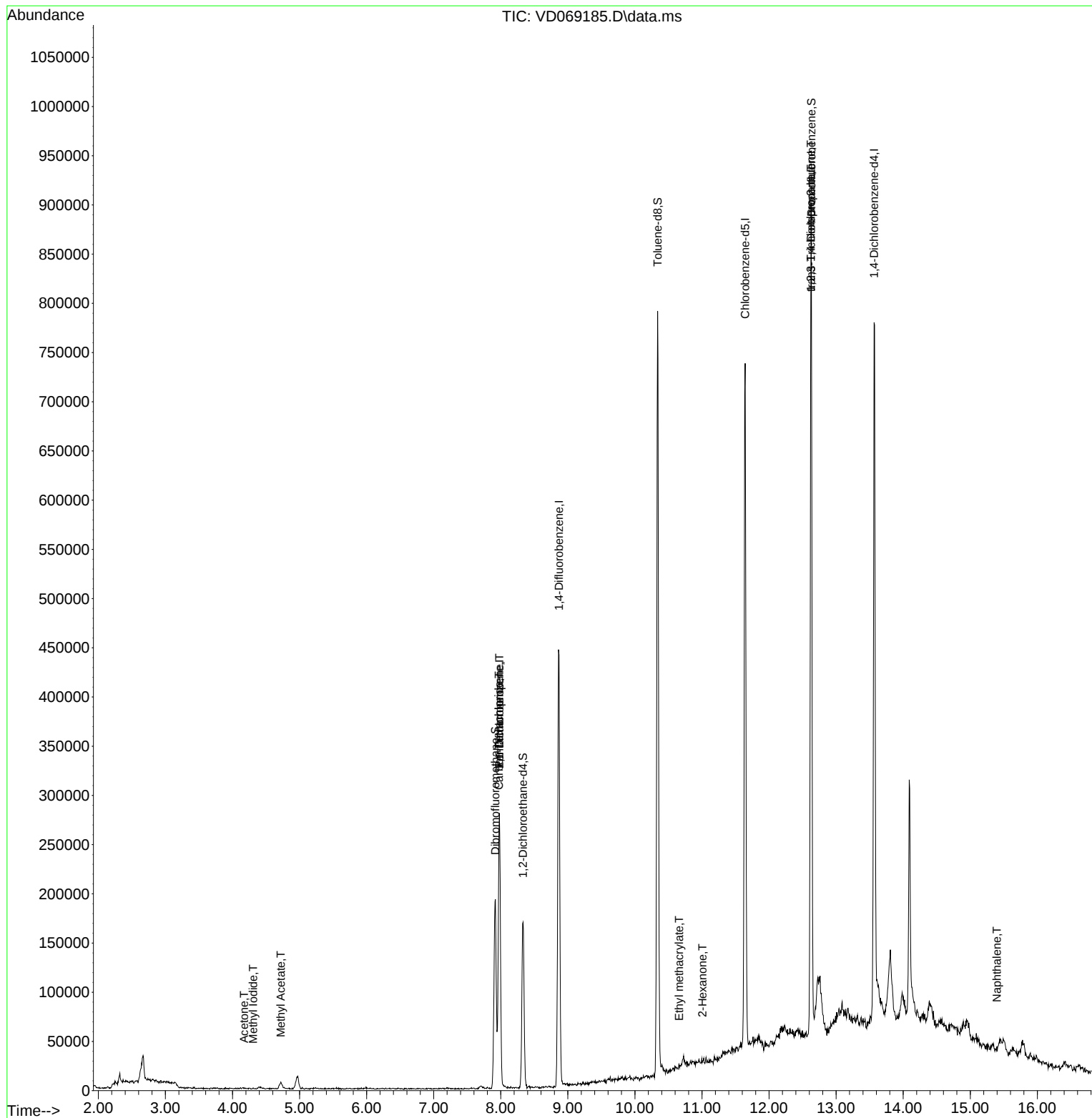
Internal Standards						
1) Pentafluorobenzene	7.979	168	202839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	397884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	419356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	192961	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	136933	67.34	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.68%			
35) Dibromofluoromethane	7.920	113	137787	53.21	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.42%			
50) Toluene-d8	10.338	98	541367	56.90	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 113.80%			
62) 4-Bromofluorobenzene	12.632	95	194582	63.56	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 127.12%			
Target Compounds						Qvalue
10) Methyl Iodide	4.309	142	341	1.07	ug/l #	59
11) Tert butyl alcohol	5.220	59	582	Below Cal	#	73
16) Acetone	4.173	43	1286	4.13	ug/l #	41
18) Methyl Acetate	4.720	43	11235	14.85	ug/l	97
20) Methylene Chloride	4.962	84	10198	Below Cal	#	84
36) 1,1-Dichloropropene	7.979	75	15812	4.09	ug/l #	51
38) Carbon Tetrachloride	7.973	117	20473	4.73	ug/l #	19
56) Ethyl methacrylate	10.661	69	1316	1.87	ug/l #	44
59) 2-Hexanone	11.008	43	785	1.01	ug/l #	19
76) 1,2,3-Trichloropropane	12.626	75	95756	66.02	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	95756	133.35	ug/l #	15
95) Naphthalene	15.396	128	943	2.19	ug/l #	59

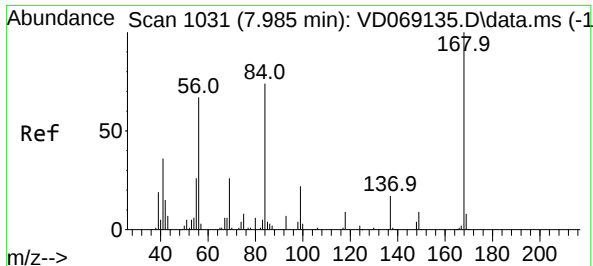
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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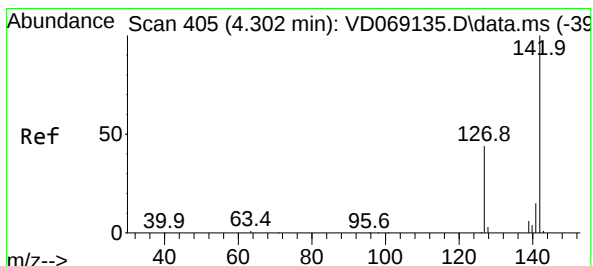
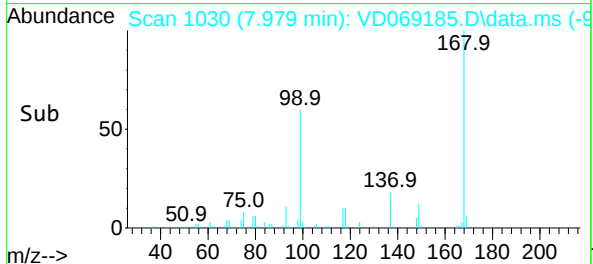
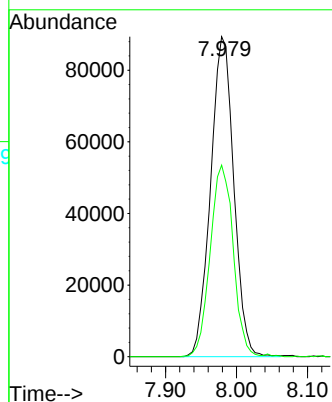
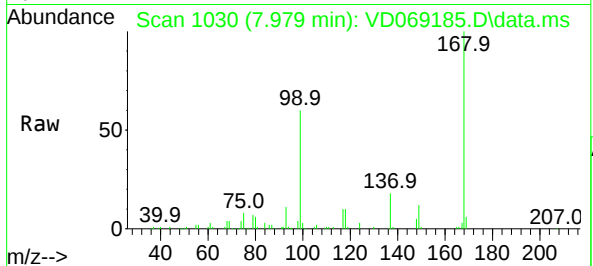




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

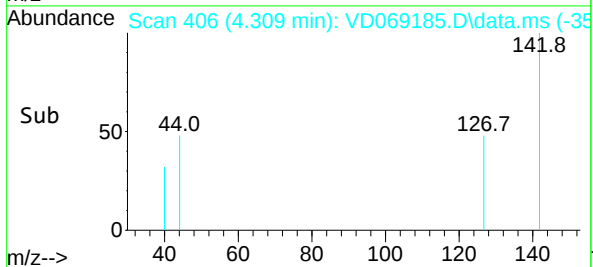
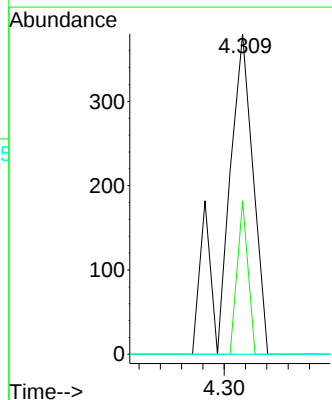
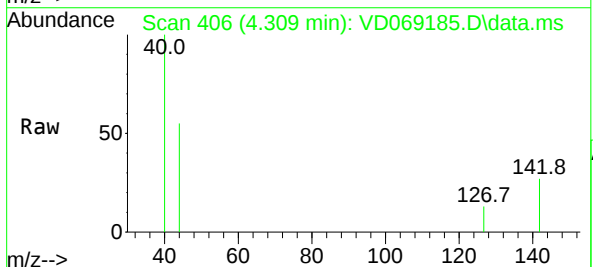
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598

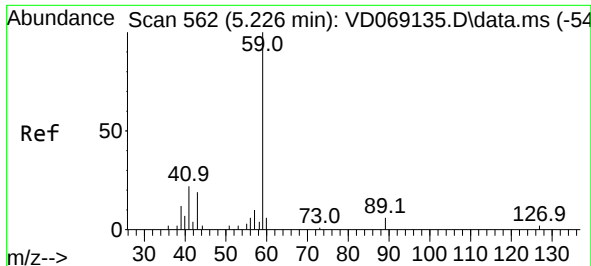
Tgt Ion:168 Resp: 202839
Ion Ratio Lower Upper
168 100
99 59.9 47.2 70.8



#10
Methyl Iodide
Concen: 1.07 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.007 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Tgt Ion:142 Resp: 341
Ion Ratio Lower Upper
142 100
127 18.8 37.3 55.9#
141 0.0 12.2 18.4#

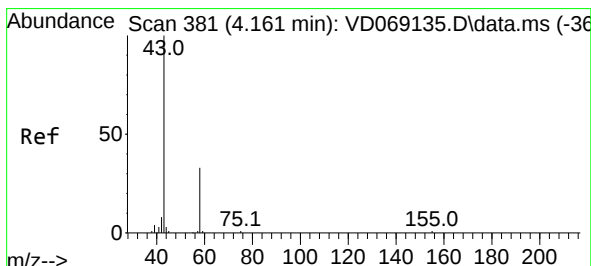
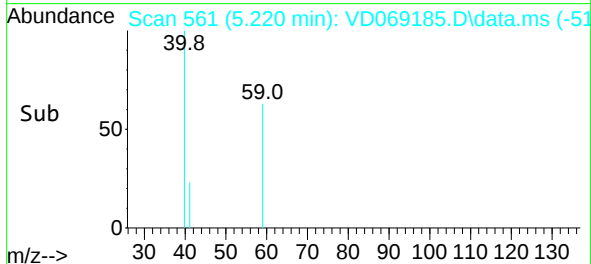
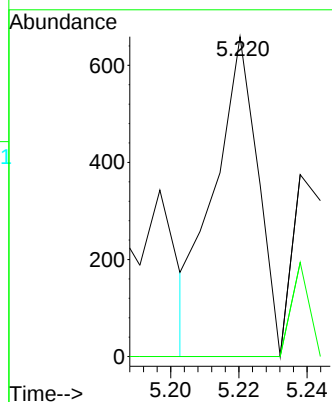
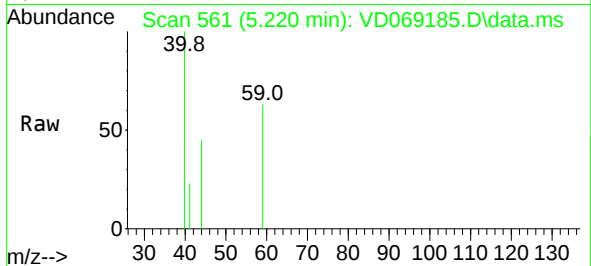




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

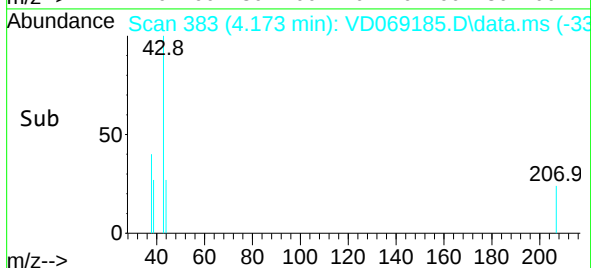
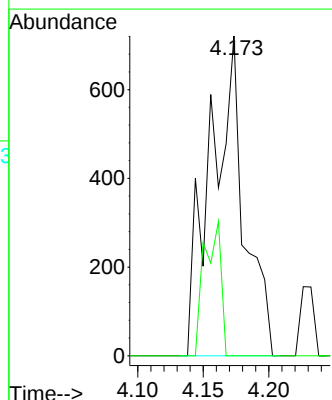
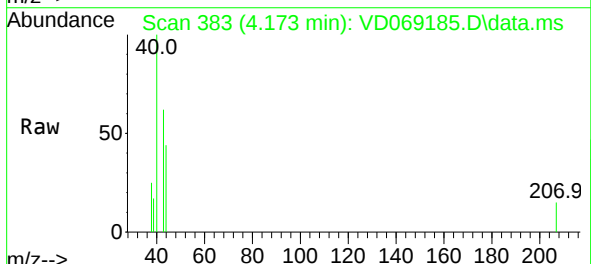
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598

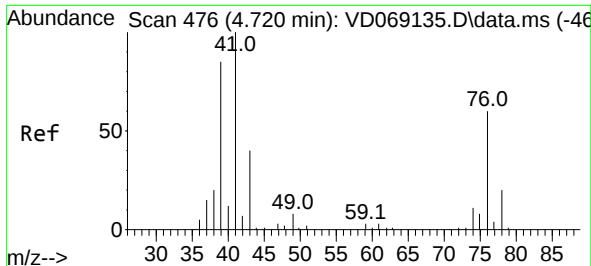
Tgt Ion: 59 Resp: 582
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 4.13 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#





#18

Methyl Acetate

Concen: 14.85 ug/l

RT: 4.720 min Scan# 476

Delta R.T. 0.000 min

Lab File: VD069185.D

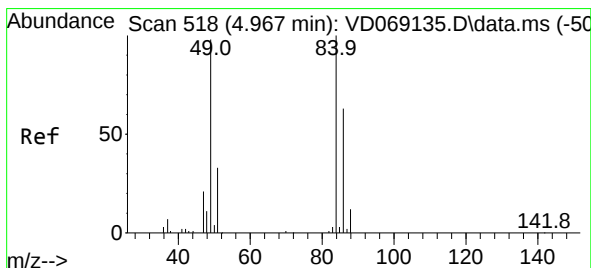
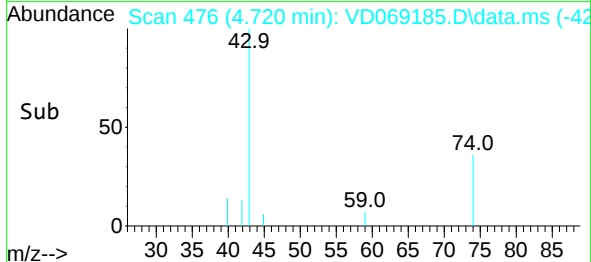
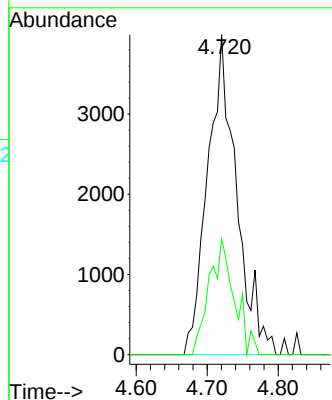
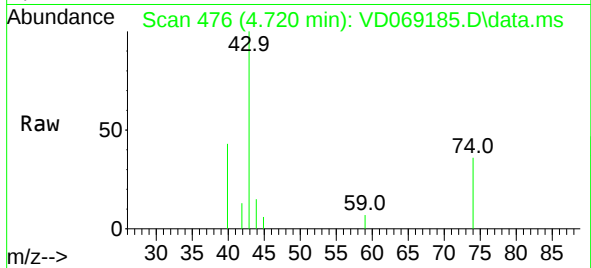
Acq: 14 May 2021 19:13

Tgt Ion: 43 Resp: 11235

Ion Ratio Lower Upper

43 100

74 31.5 23.8 35.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.005 min

Lab File: VD069185.D

Acq: 14 May 2021 19:13

Tgt Ion: 84 Resp: 10198

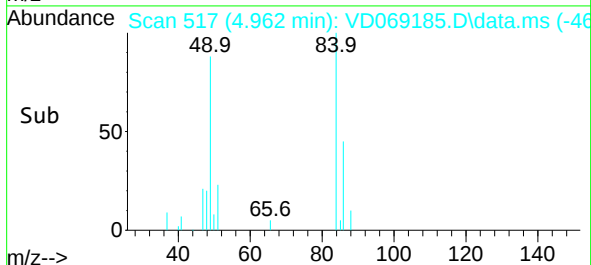
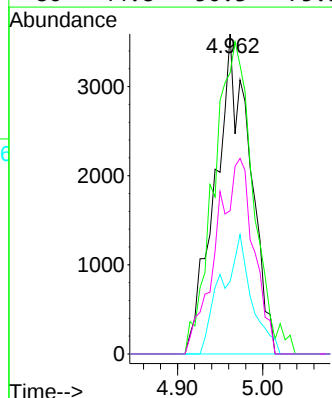
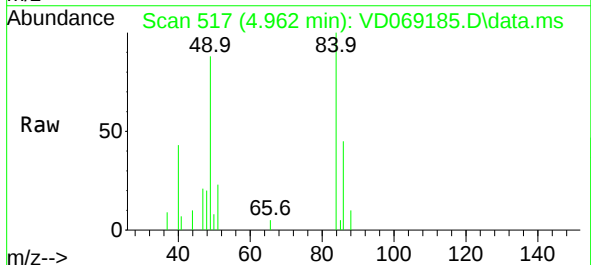
Ion Ratio Lower Upper

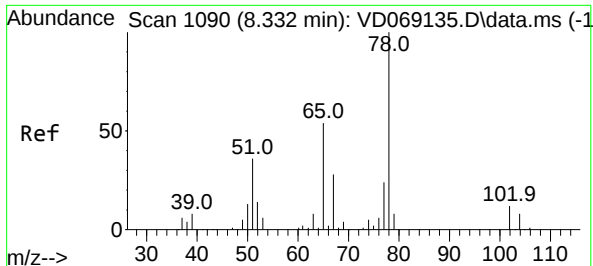
84 100

49 87.9 78.6 117.8

51 22.7 26.7 40.1#

86 44.8 50.3 75.5#

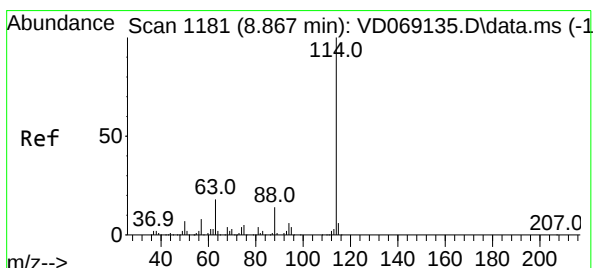
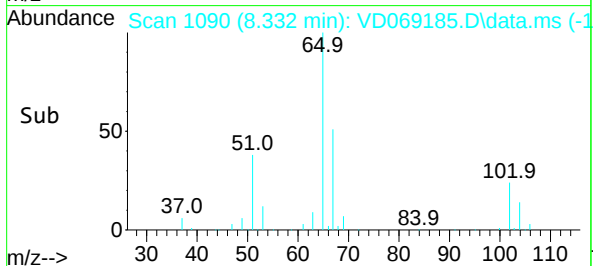
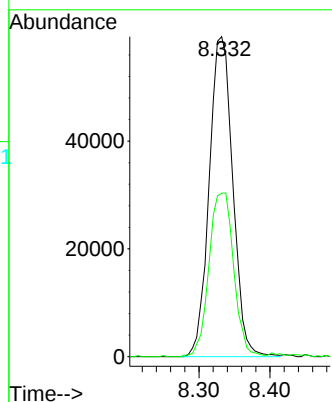
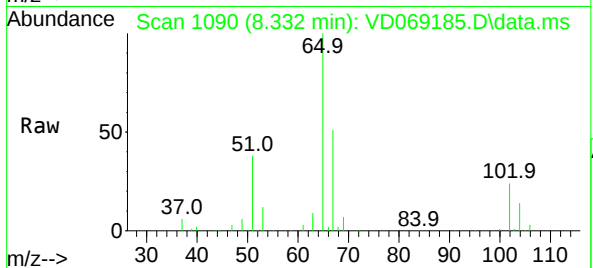




#33
1,2-Dichloroethane-d4
Concen: 67.34 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

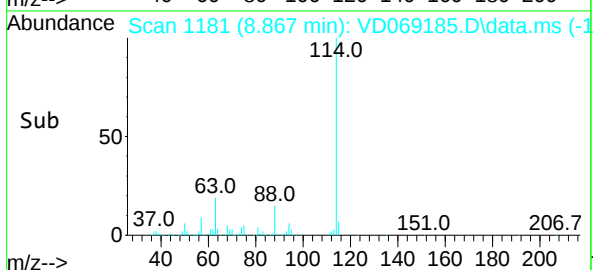
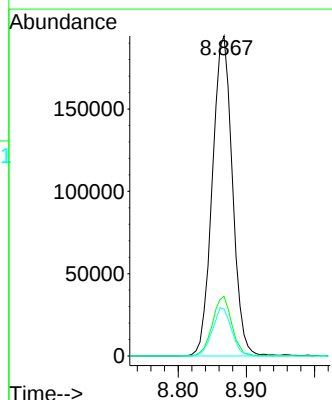
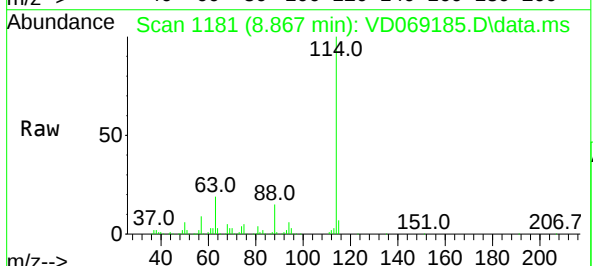
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598

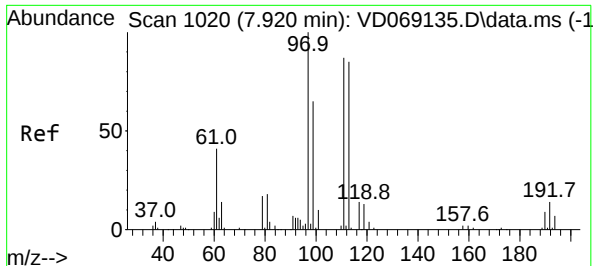
Tgt Ion: 65 Resp: 136933
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Tgt Ion: 114 Resp: 397884
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.4
88 14.6 0.0 28.2





#35

Dibromofluoromethane

Concen: 53.21 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD069185.D

Acq: 14 May 2021 19:13

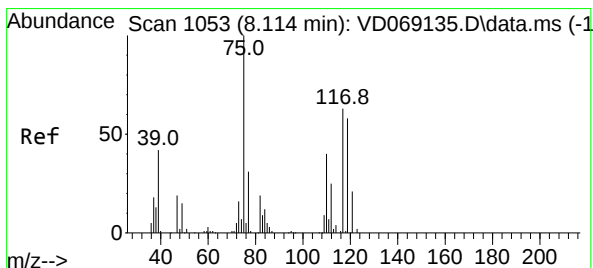
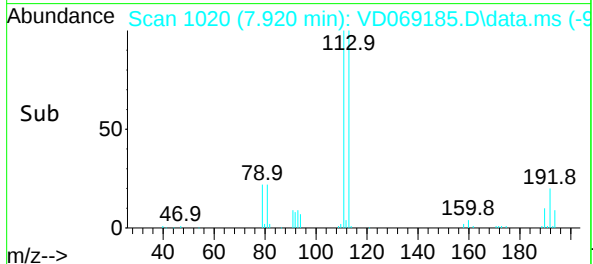
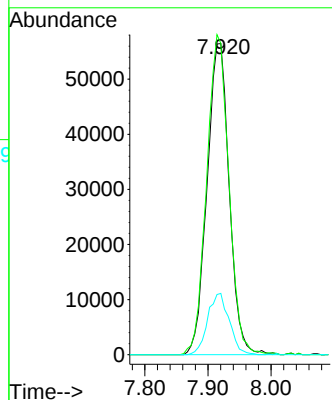
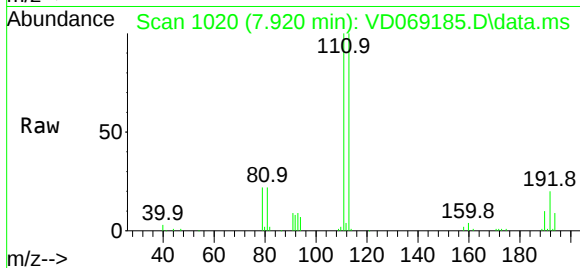
Tgt Ion:113 Resp: 137787

Ion Ratio Lower Upper

113 100

111 103.1 80.6 120.8

192 19.1 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.09 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069185.D

Acq: 14 May 2021 19:13

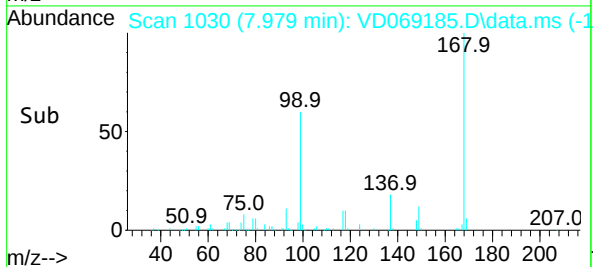
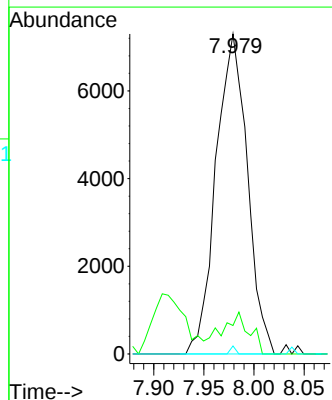
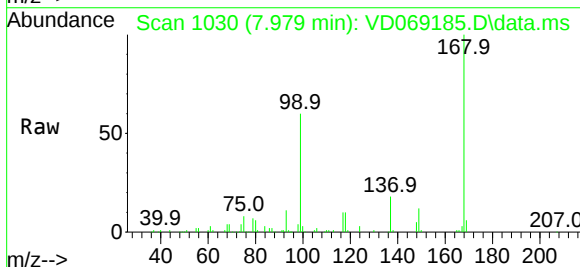
Tgt Ion: 75 Resp: 15812

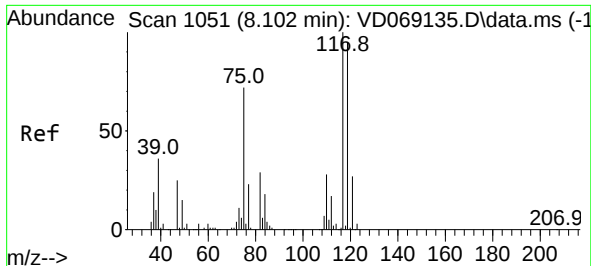
Ion Ratio Lower Upper

75 100

110 11.7 18.8 56.4#

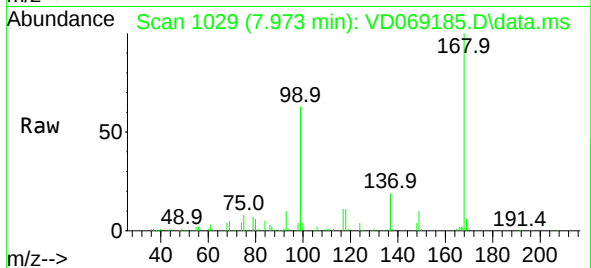
77 0.4 25.2 37.8#



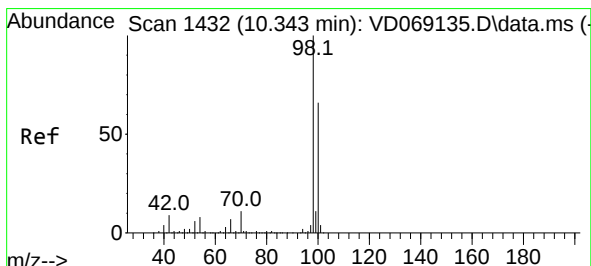
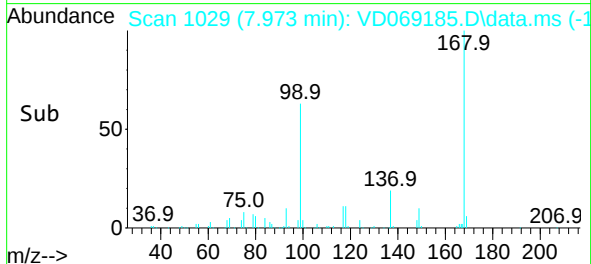
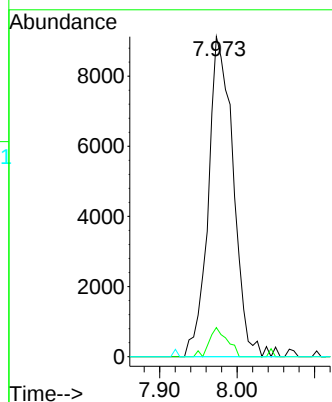


#38
Carbon Tetrachloride
Concen: 4.73 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Instrument :
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CHRT-26598

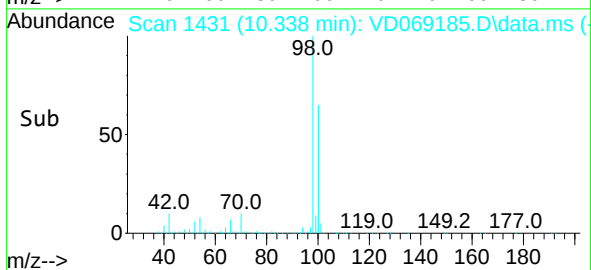
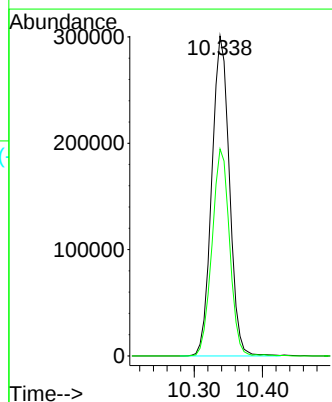
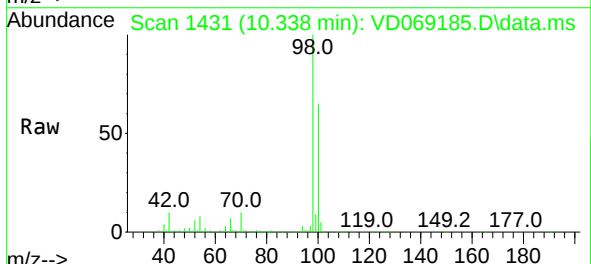


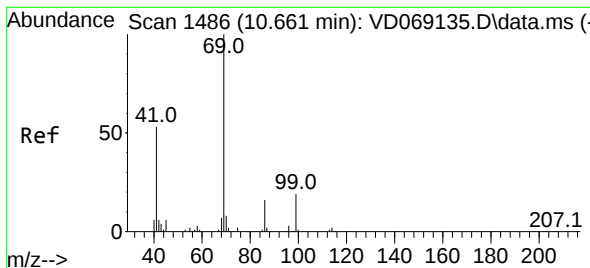
Tgt Ion:117 Resp: 20473
Ion Ratio Lower Upper
117 100
119 9.1 76.2 114.2#
121 0.0 21.9 32.9#



#50
Toluene-d8
Concen: 56.90 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Tgt Ion: 98 Resp: 541367
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8

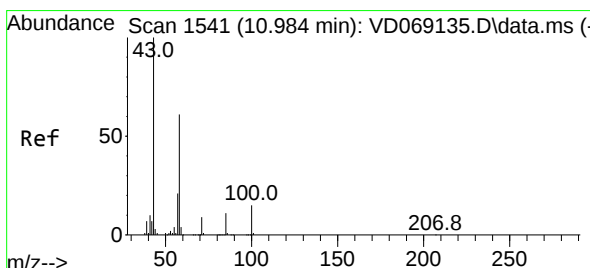
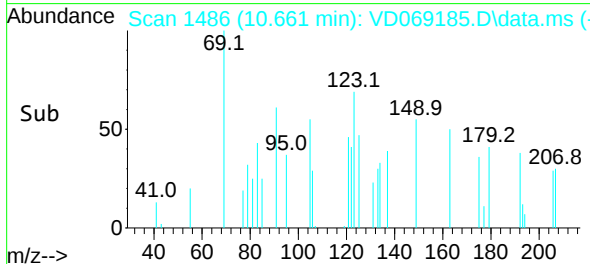
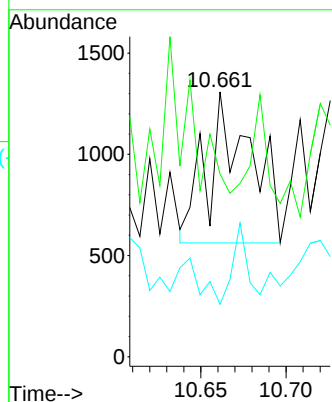
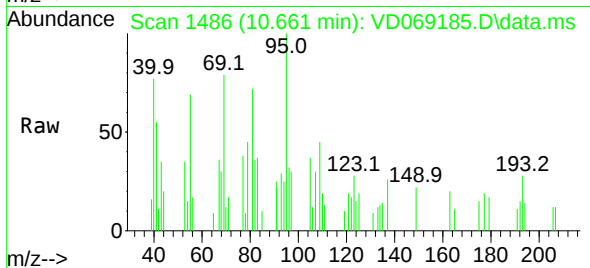




#56
Ethyl methacrylate
Concen: 1.87 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

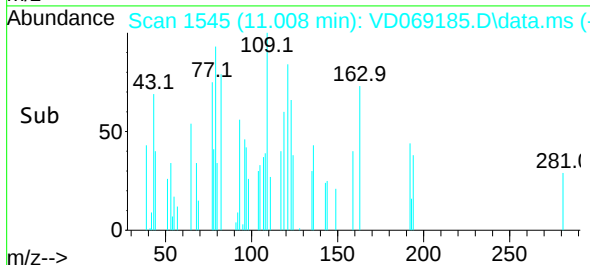
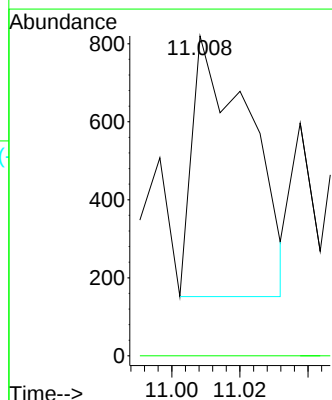
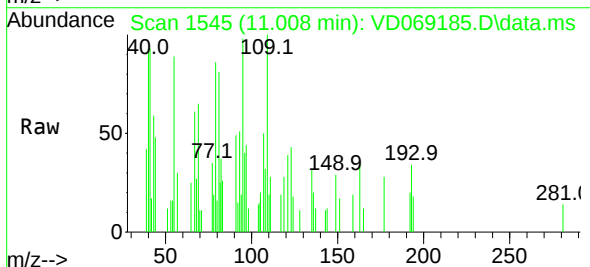
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598

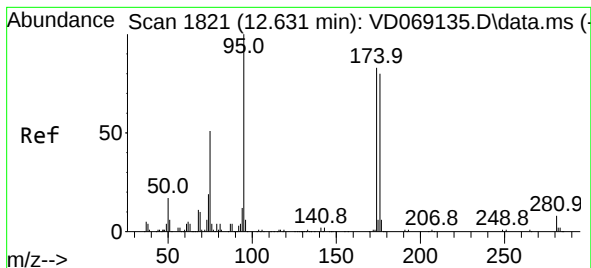
Tgt Ion: 69 Resp: 1316
Ion Ratio Lower Upper
69 100
41 0.0 42.2 63.2#
39 18.2 26.3 39.5#



#59
2-Hexanone
Concen: 1.01 ug/l
RT: 11.008 min Scan# 1545
Delta R.T. 0.024 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Tgt Ion: 43 Resp: 785
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

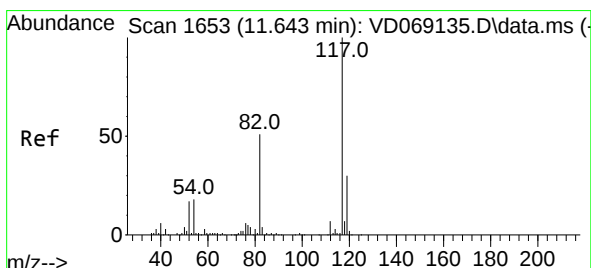
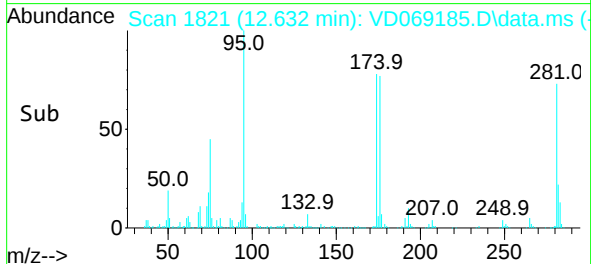
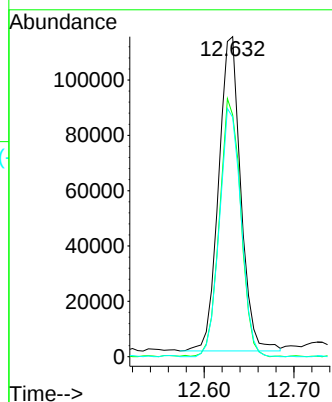
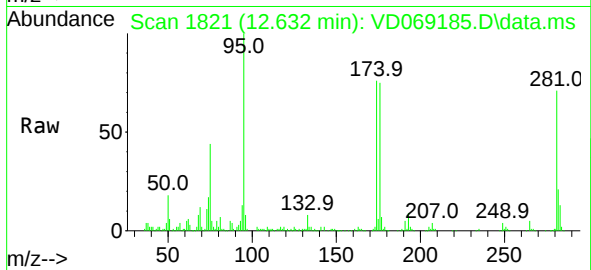




#62
4-Bromofluorobenzene
Concen: 63.56 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

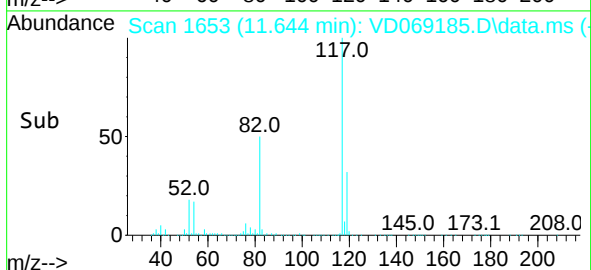
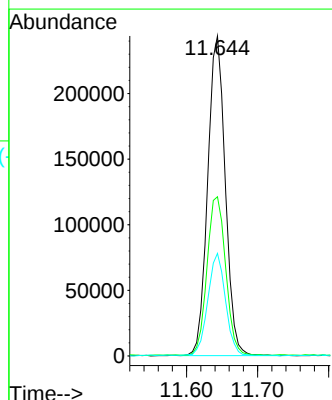
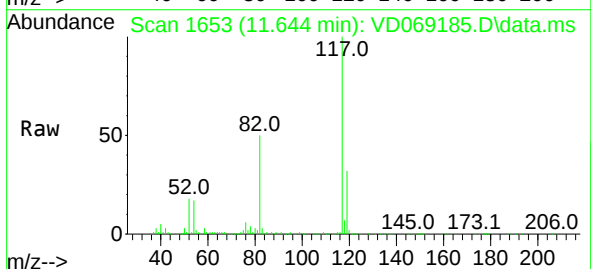
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598

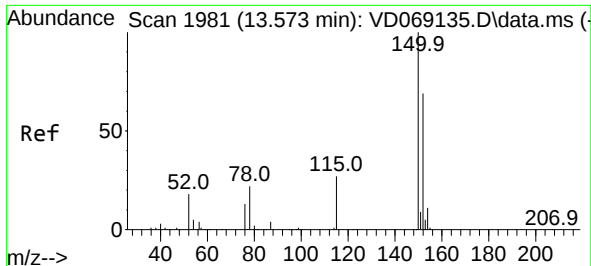
Tgt Ion: 95 Resp: 194582
Ion Ratio Lower Upper
95 100
174 78.4 0.0 171.8
176 77.4 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Tgt Ion: 117 Resp: 419356
Ion Ratio Lower Upper
117 100
82 49.5 40.5 60.7
119 32.0 24.2 36.4

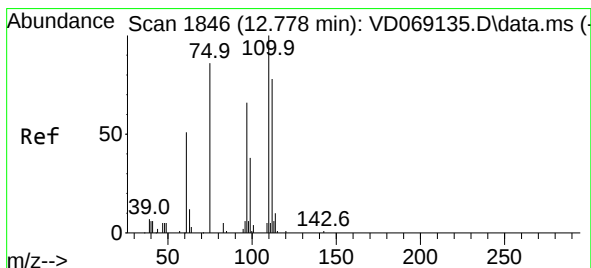
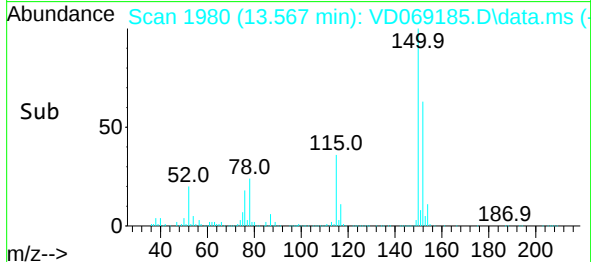
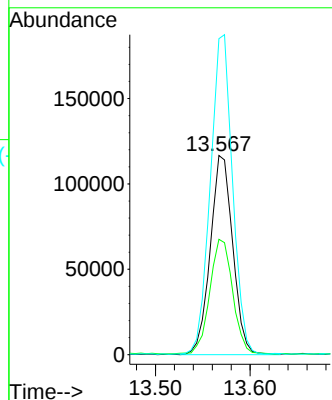
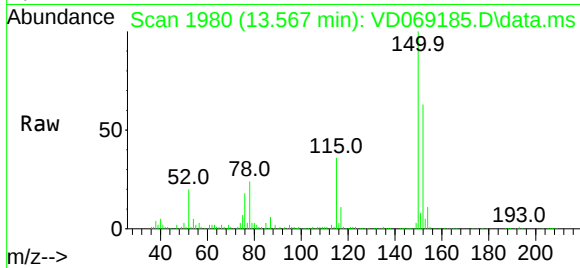




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

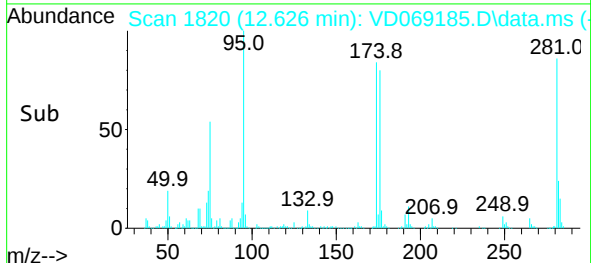
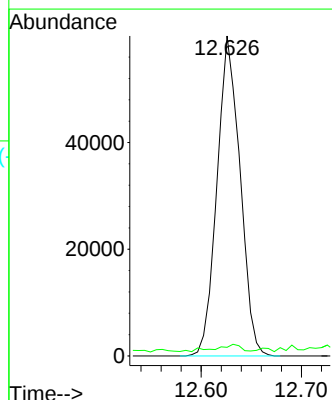
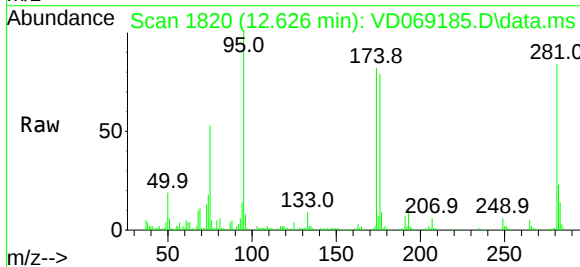
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598

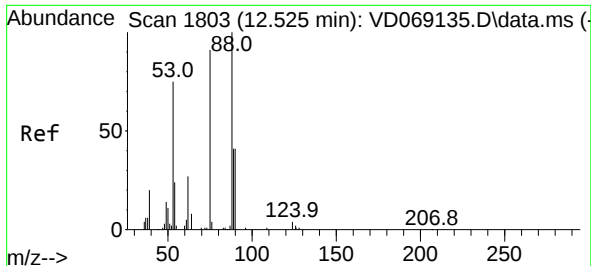
Tgt Ion:152 Resp: 192961
Ion Ratio Lower Upper
152 100
115 58.7 29.9 89.8
150 157.7 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 66.02 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Tgt Ion: 75 Resp: 95756
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#

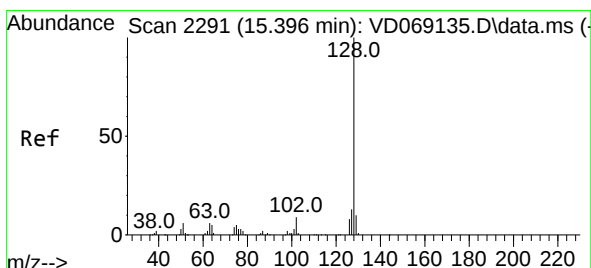
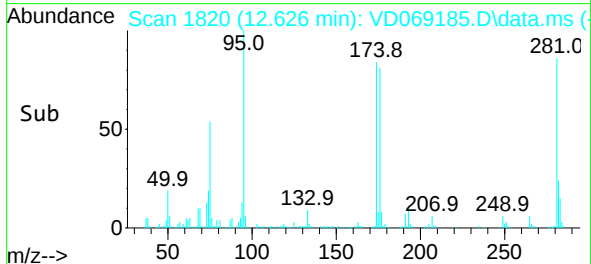
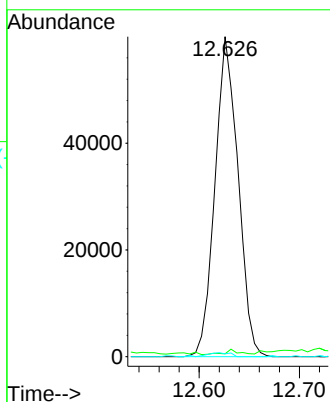
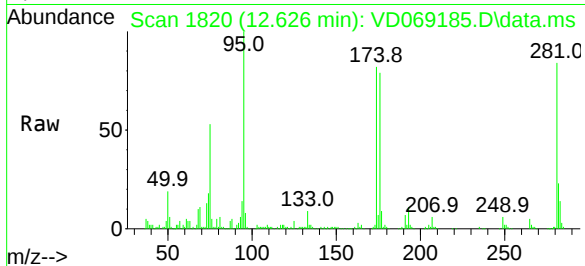




#81
trans-1,4-Dichloro-2-butene
Concen: 133.35 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :
CHRT-26598

Tgt Ion: 75 Resp: 95756
Ion Ratio Lower Upper
75 100
53 0.8 70.0 105.0#
89 1.3 40.2 60.2#



#95
Naphthalene
Concen: 2.19 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069185.D
Acq: 14 May 2021 19:13

Tgt Ion: 128 Resp: 943
Ion Ratio Lower Upper
128 100
127 7.3 10.5 15.7#
129 38.5 8.9 13.3#

