

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070919.D
 Acq On : 03 Nov 2021 19:24
 Operator : VA/SY
 Sample : M4454-04
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 03 22:15:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

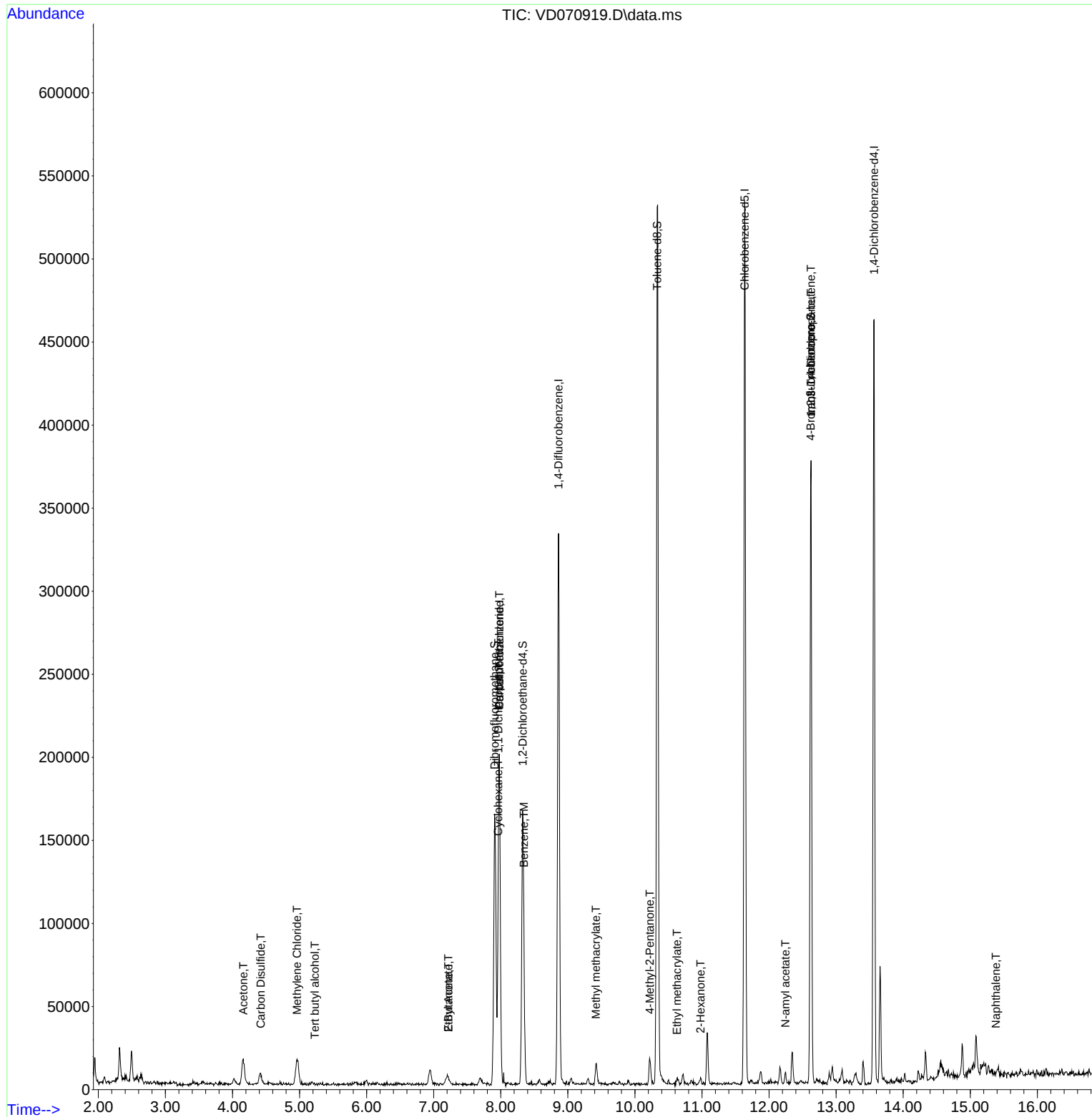
Internal Standards						
1) Pentafluorobenzene	7.979	168	153786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	287207	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	317665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	144083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	118337	76.509	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 153.020%			
35) Dibromofluoromethane	7.908	113	120338	63.547	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 127.100%			
50) Toluene-d8	10.332	98	383671	53.853	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.700%			
62) 4-Bromofluorobenzene	12.620	95	129155	54.944	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.880%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	264	Below Cal		81
11) Tert butyl alcohol	5.226	59	509	6.192 ug/l #		71
16) Acetone	4.162	43	26363	73.262 ug/l		89
17) Carbon Disulfide	4.420	76	12025	2.192 ug/l #		88
20) Methylene Chloride	4.961	84	13624	1.376 ug/l #		73
25) 2-Butanone	7.220	43	5467	12.344 ug/l		96
31) Cyclohexane	7.961	56	3438	1.091 ug/l #		55
36) 1,1-Dichloropropene	7.967	75	12217	4.066 ug/l #		46
37) Ethyl Acetate	7.220	43	5467	4.893 ug/l #		69
38) Carbon Tetrachloride	7.979	117	15648	5.178 ug/l #		16
40) Benzene	8.344	78	14407	1.649 ug/l		98
48) Methyl methacrylate	9.420	41	4066	4.098 ug/l #		37
51) 4-Methyl-2-Pentanone	10.220	43	11781	10.818 ug/l		93
56) Ethyl methacrylate	10.626	69	200	2.937 ug/l #		1
59) 2-Hexanone	10.979	43	2297	2.955 ug/l		97
74) N-amyl acetate	12.243	43	4077	1.929 ug/l #		45
76) 1,2,3-Trichloropropane	12.626	75	61261	43.191 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	61261	113.361 ug/l #		18
95) Naphthalene	15.384	128	2522	4.635 ug/l #		87

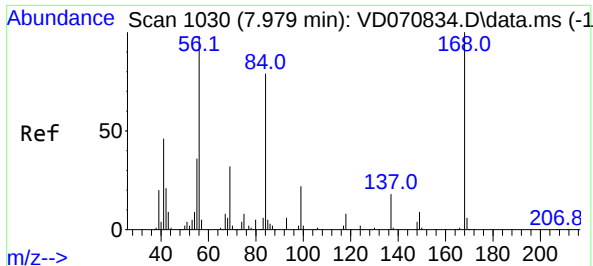
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
Data File : VD070919.D
Acq On : 03 Nov 2021 19:24
Operator : VA/SY
Sample : M4454-04
Misc : 5.07G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 03 22:15:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration

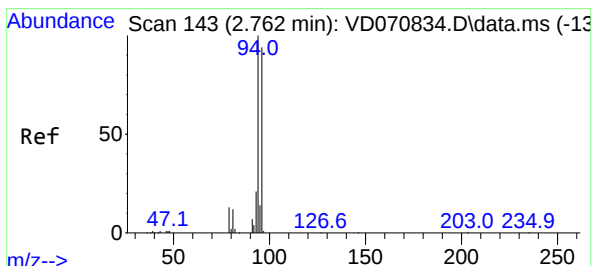
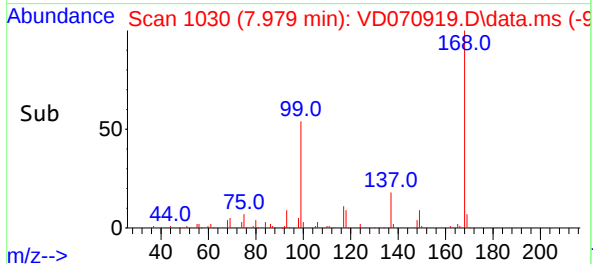
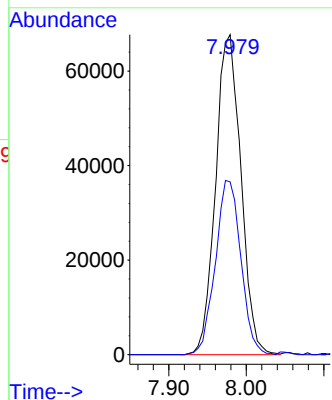
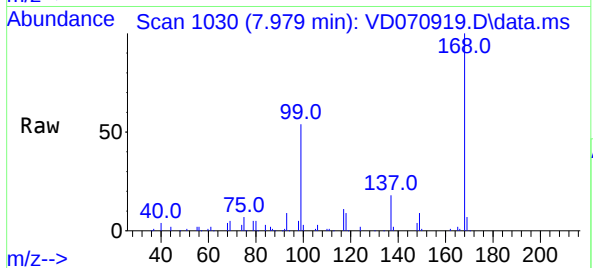




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

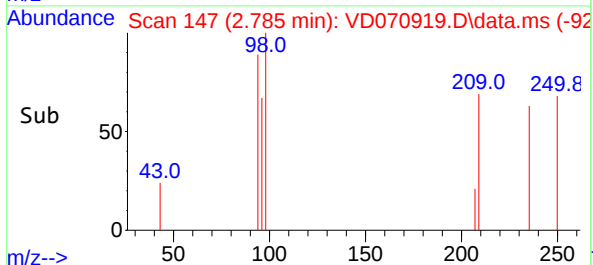
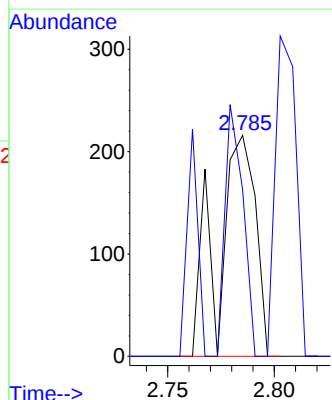
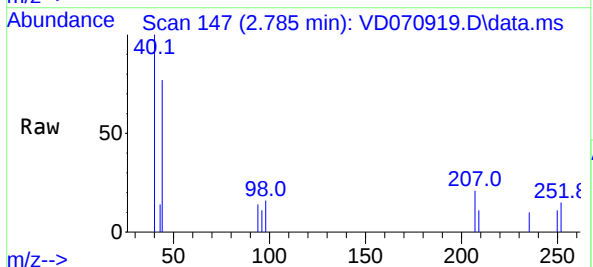
Instrument :
MSVOA_D
ClientSampleId :

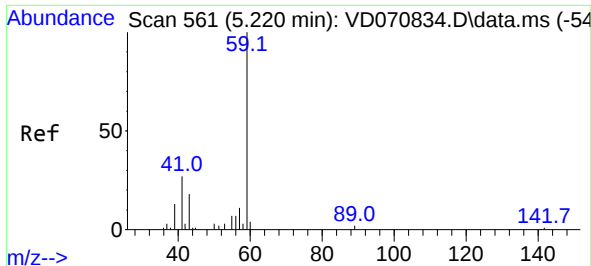
Tgt Ion:168 Resp: 153786
Ion Ratio Lower Upper
168 100
99 54.0 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Tgt Ion: 94 Resp: 264
Ion Ratio Lower Upper
94 100
96 75.5 74.8 112.2

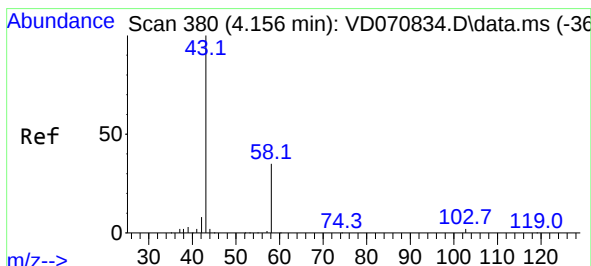
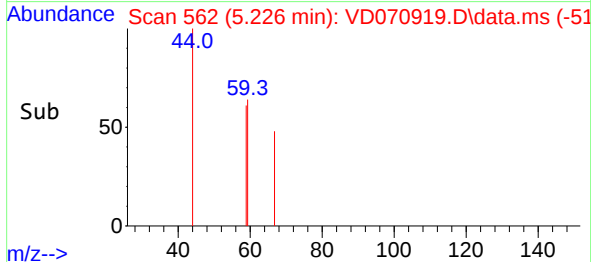
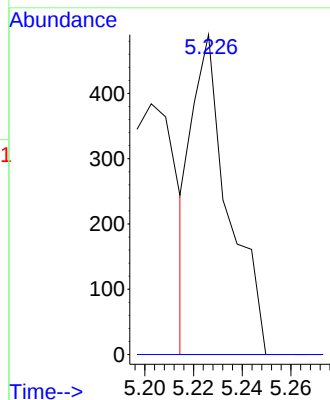
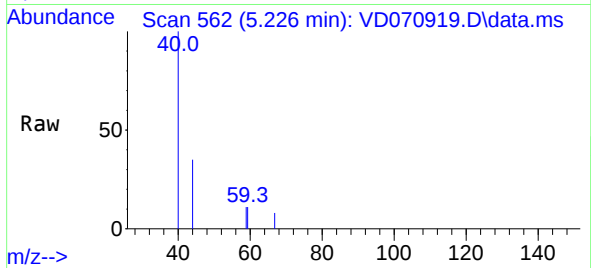




#11
Tert butyl alcohol
Concen: 6.192 ug/l
RT: 5.226 min Scan# 509
Delta R.T. 0.006 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

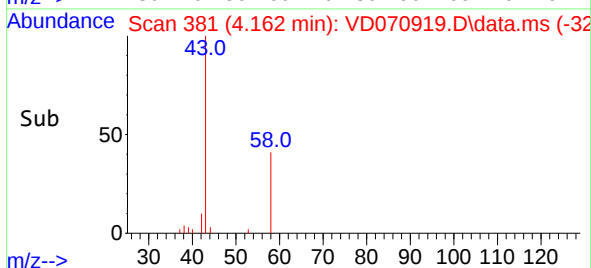
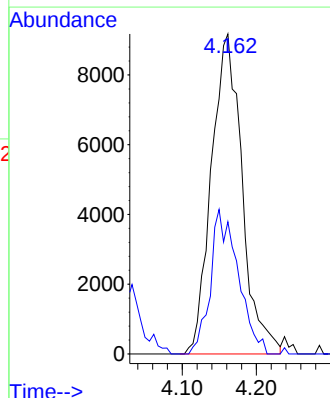
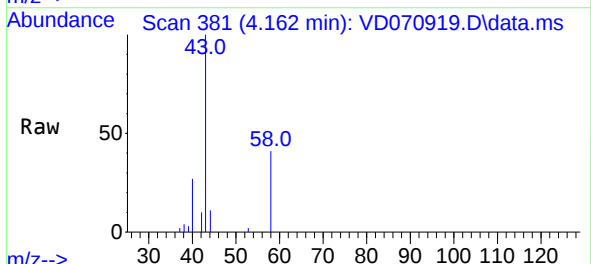
Instrument :
MSVOA_D
ClientSampleId :

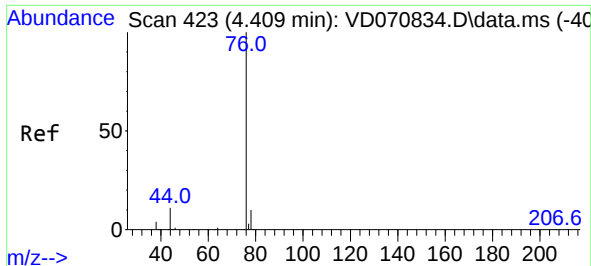
Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 73.262 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Tgt Ion: 43 Resp: 26363
Ion Ratio Lower Upper
43 100
58 41.3 27.8 41.8

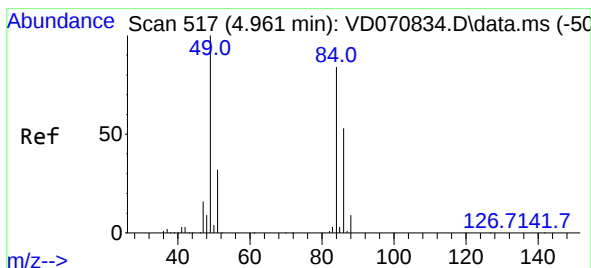
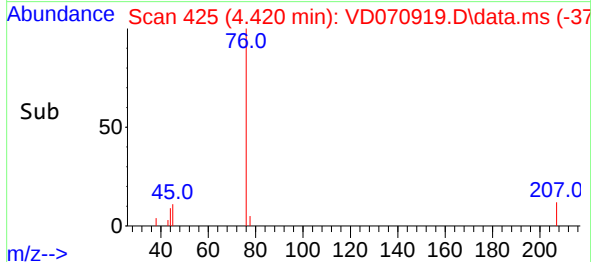
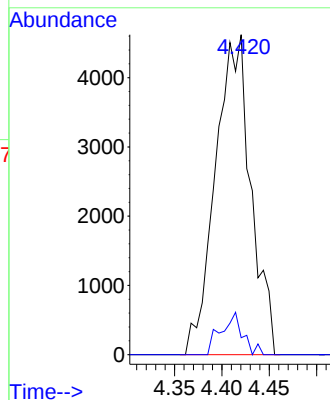
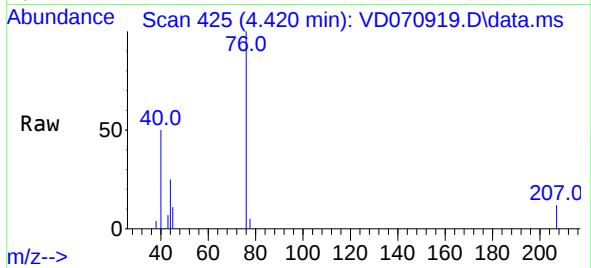




#17
Carbon Disulfide
Concen: 2.192 ug/l
RT: 4.420 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

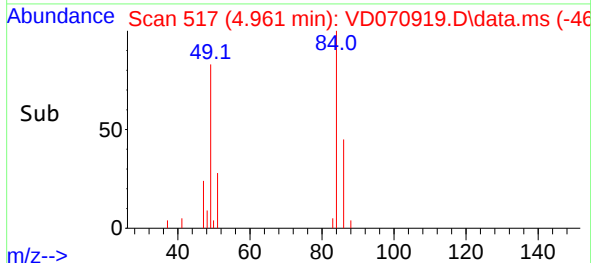
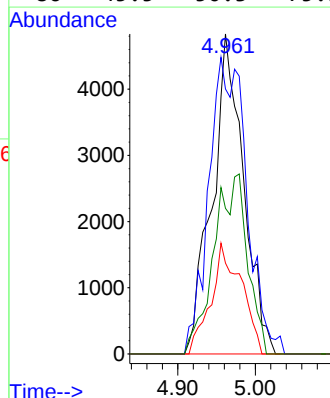
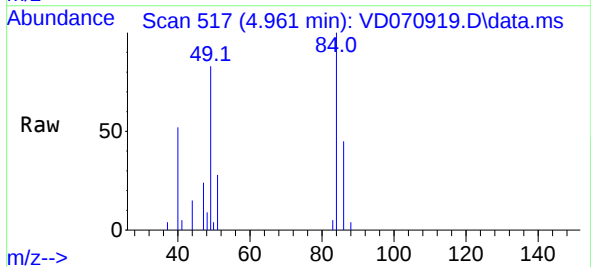
Instrument :
MSVOA_D
ClientSampleId :

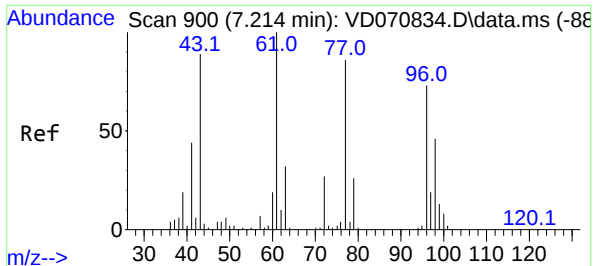
Tgt Ion: 76 Resp: 12025
Ion Ratio Lower Upper
76 100
78 5.3 7.8 11.8#



#20
Methylene Chloride
Concen: 1.376 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Tgt Ion: 84 Resp: 13624
Ion Ratio Lower Upper
84 100
49 82.8 95.8 143.6#
51 28.4 30.9 46.3#
86 45.5 50.3 75.5#

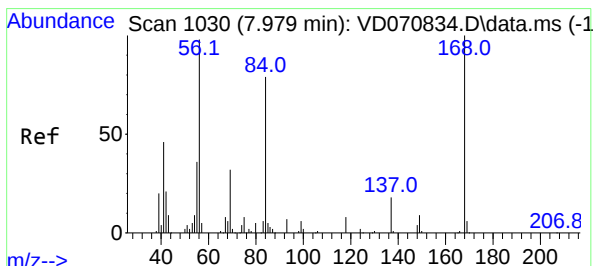
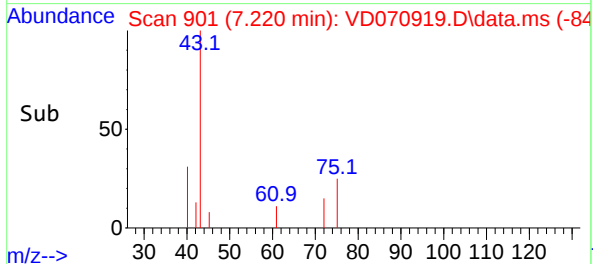
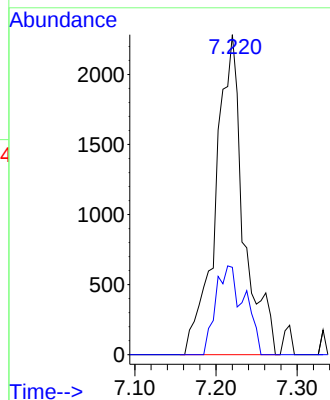
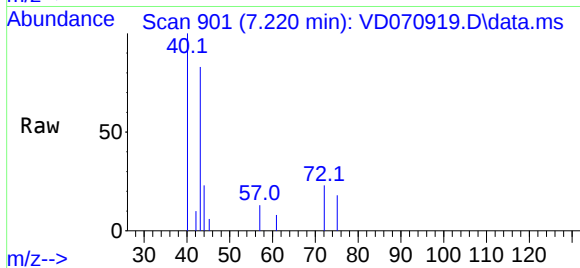




#25
2-Butanone
Concen: 12.344 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

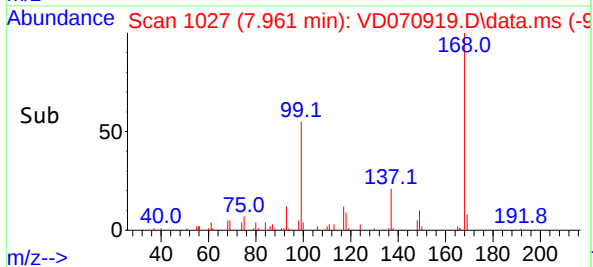
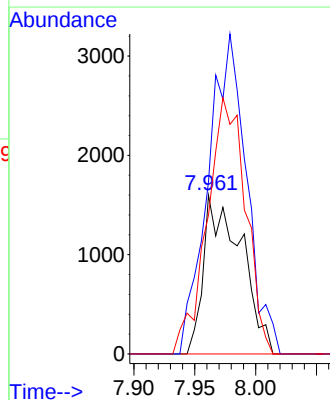
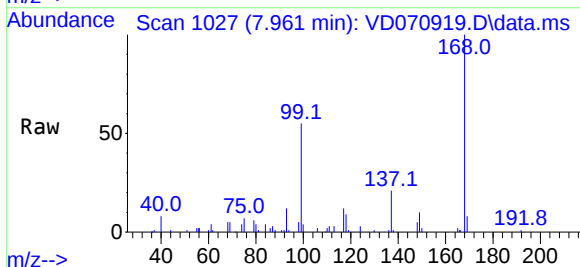
Instrument :
MSVOA_D
ClientSampleId :

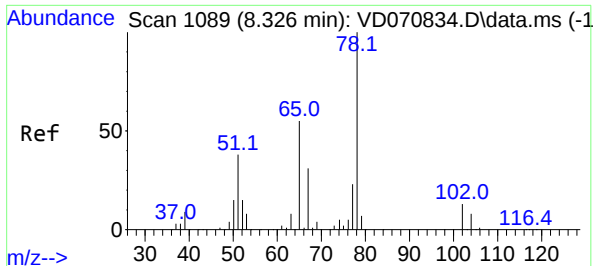
Tgt Ion: 43 Resp: 5467
Ion Ratio Lower Upper
43 100
72 27.3 23.8 35.6



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Tgt Ion: 56 Resp: 3438
Ion Ratio Lower Upper
56 100
69 108.6 25.9 38.9#
84 87.5 64.3 96.5

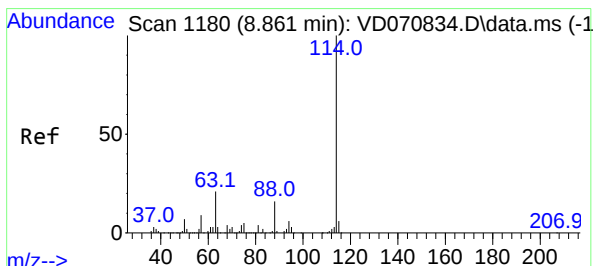
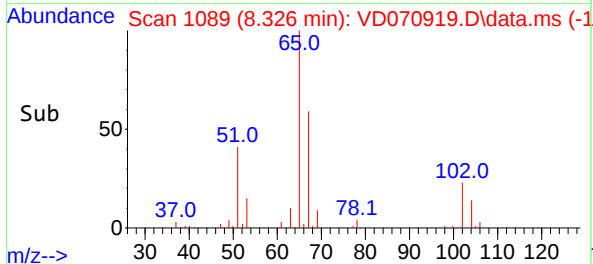
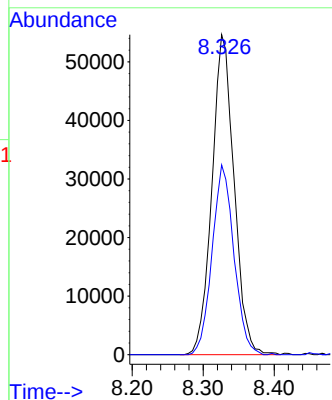
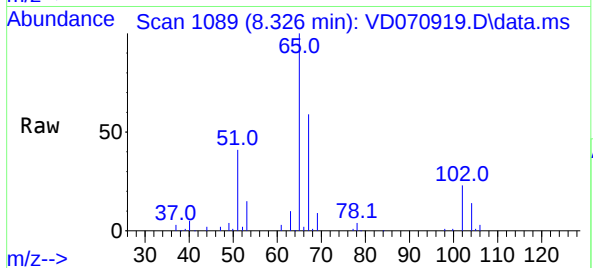




#33
1,2-Dichloroethane-d4
Concen: 76.509 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

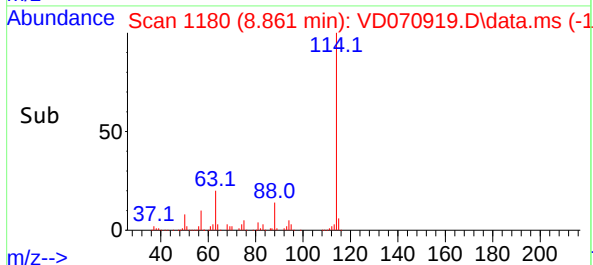
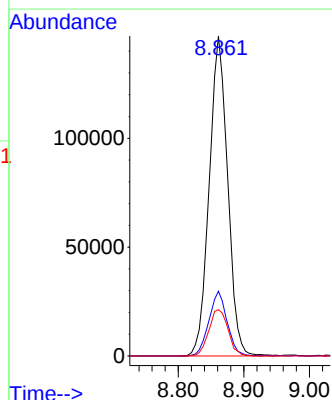
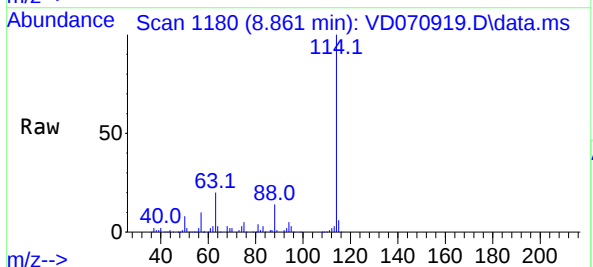
Instrument :
MSVOA_D
ClientSampleId :

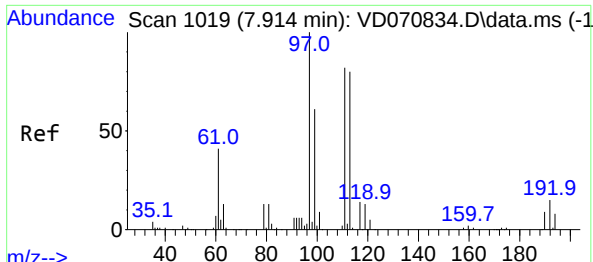
Tgt Ion: 65 Resp: 118337
Ion Ratio Lower Upper
65 100
67 58.4 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Tgt Ion: 114 Resp: 287207
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.8
88 14.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 63.547 ug/l

RT: 7.908 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD070919.D

Acq: 03 Nov 2021 19:24

Instrument :

MSVOA_D

ClientSampleId :

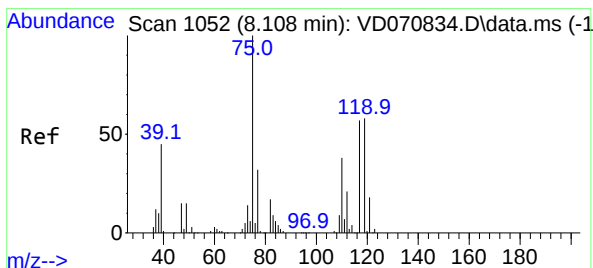
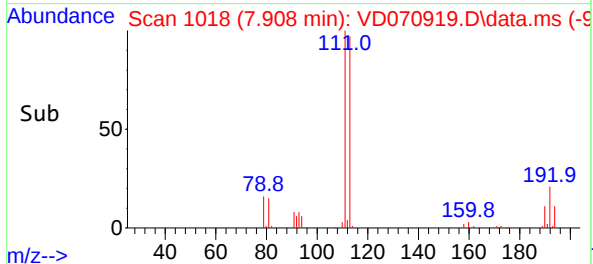
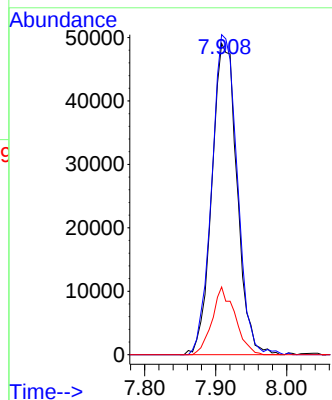
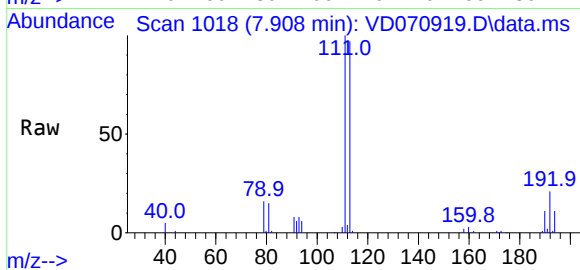
Tgt Ion:113 Resp: 120338

Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

192 19.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.066 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD070919.D

Acq: 03 Nov 2021 19:24

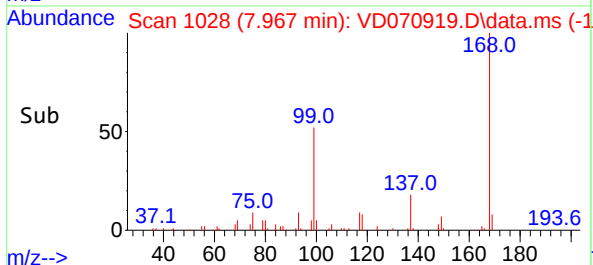
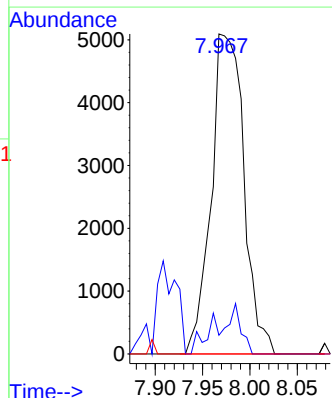
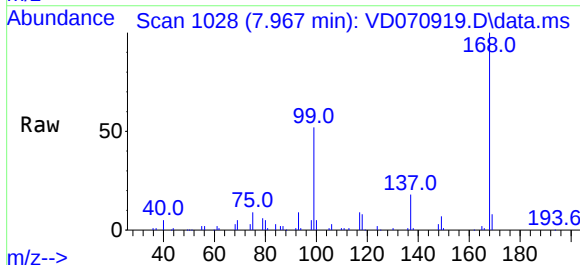
Tgt Ion: 75 Resp: 12217

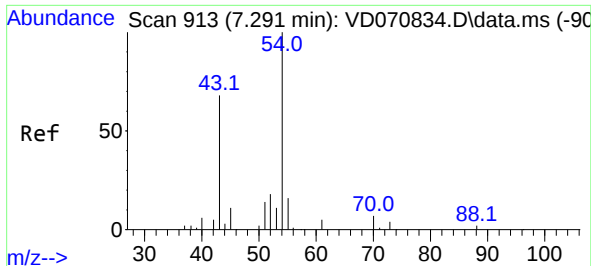
Ion Ratio Lower Upper

75 100

110 4.9 17.8 53.4#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 4.893 ug/l

RT: 7.220 min Scan# 90

Delta R.T. -0.071 min

Lab File: VD070919.D

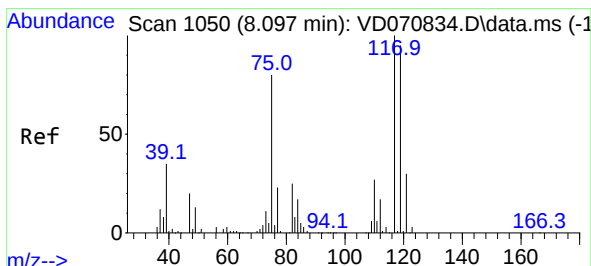
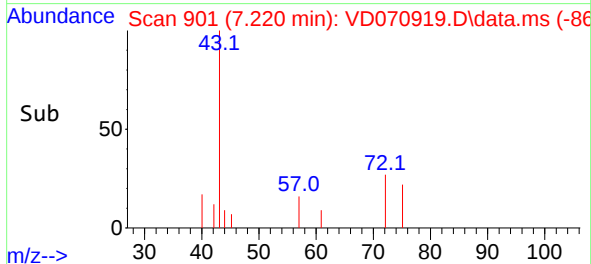
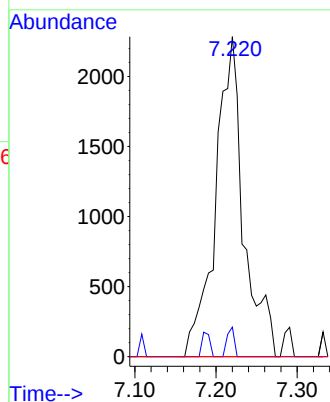
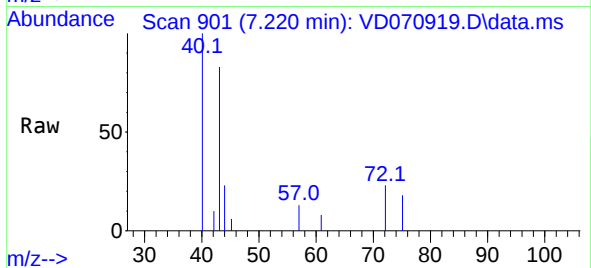
Acq: 03 Nov 2021 19:24

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 5467
Ion Ratio	Lower Upper
43 100	
61 2.4	13.0 19.6#
70 0.0	8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.178 ug/l

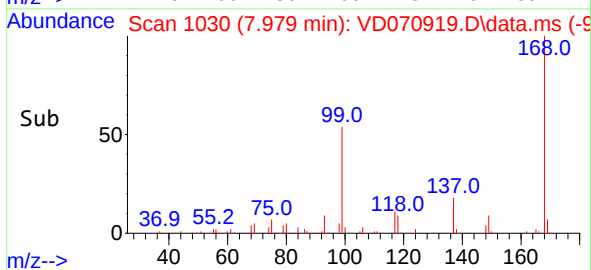
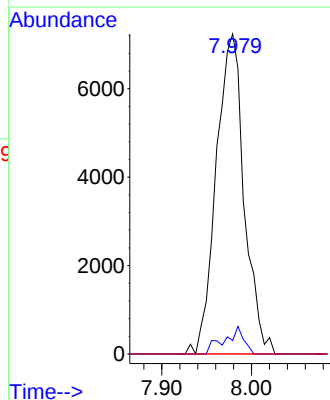
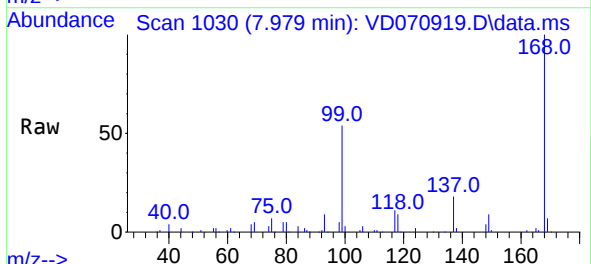
RT: 7.979 min Scan# 1030

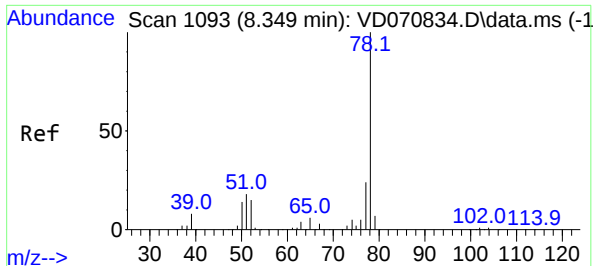
Delta R.T. -0.118 min

Lab File: VD070919.D

Acq: 03 Nov 2021 19:24

Tgt Ion: 117	Resp: 15648
Ion Ratio	Lower Upper
117 100	
119 4.2	75.8 113.6#
121 0.0	23.6 35.4#

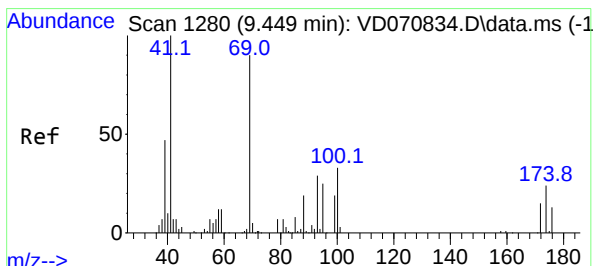
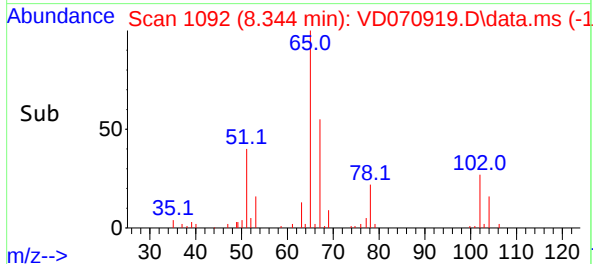
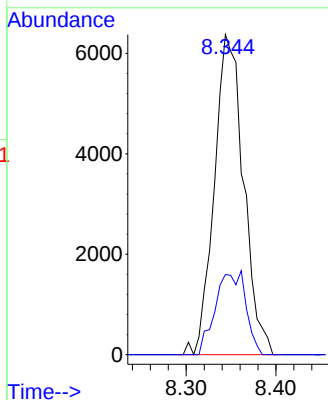
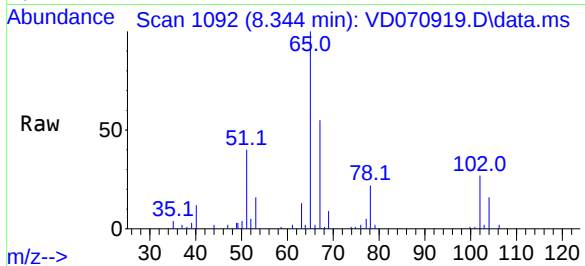




#40
Benzene
Concen: 1.649 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.006 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

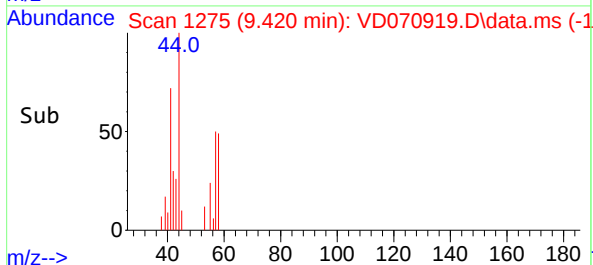
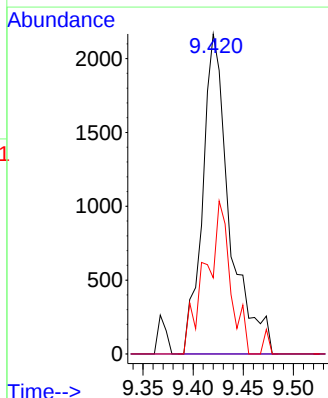
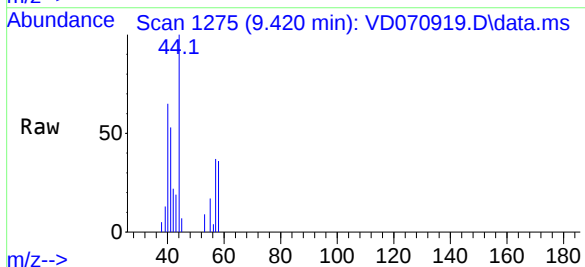
Instrument :
MSVOA_D
ClientSampleId :

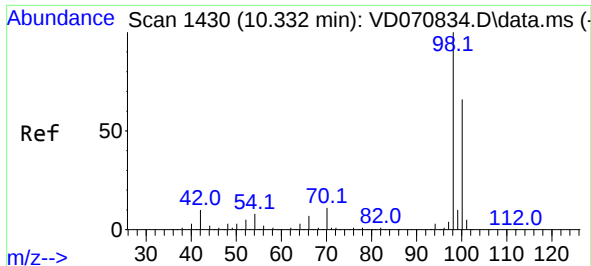
Tgt Ion: 78 Resp: 14407
Ion Ratio Lower Upper
78 100
77 25.0 19.1 28.7



#48
Methyl methacrylate
Concen: 4.098 ug/l
RT: 9.420 min Scan# 1275
Delta R.T. -0.029 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

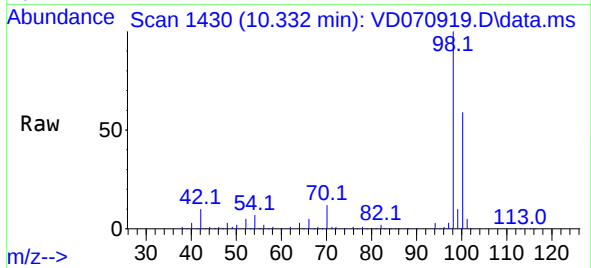
Tgt Ion: 41 Resp: 4066
Ion Ratio Lower Upper
41 100
69 0.0 69.8 104.6#
39 44.1 35.6 53.4



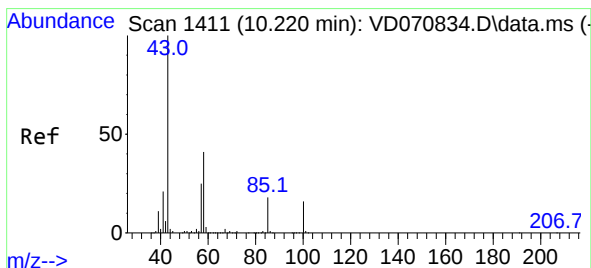
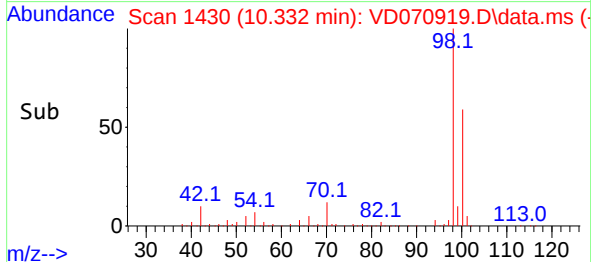
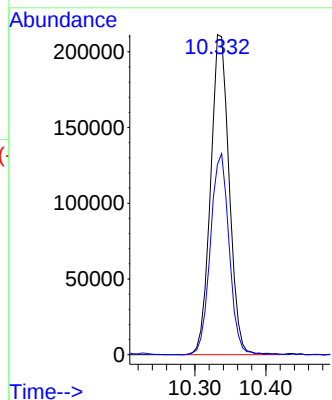


#50
Toluene-d8
Concen: 53.853 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Instrument :
MSVOA_D
ClientSampleId :

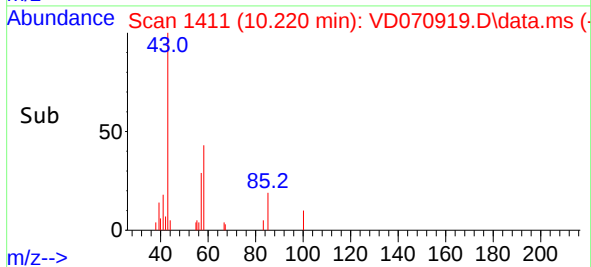
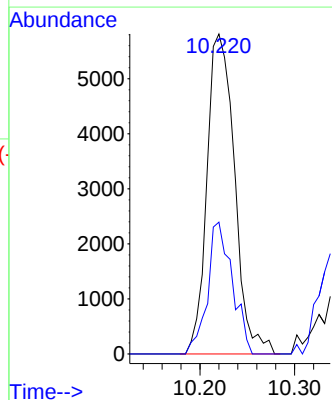
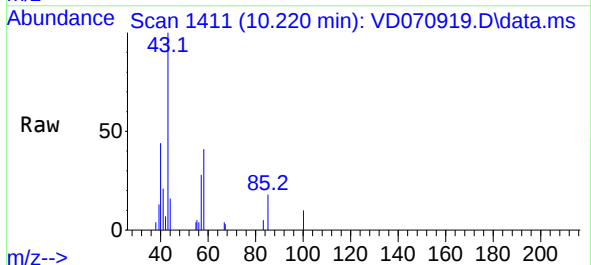


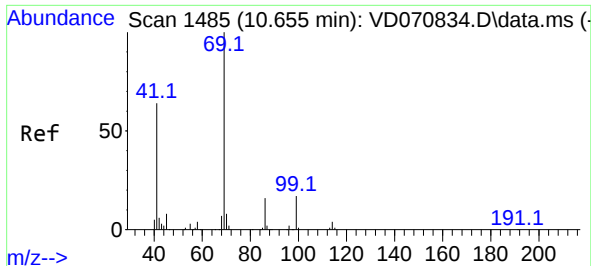
Tgt Ion: 98 Resp: 383671
Ion Ratio Lower Upper
98 100
100 63.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 10.818 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Tgt Ion: 43 Resp: 11781
Ion Ratio Lower Upper
43 100
58 36.9 33.1 49.7

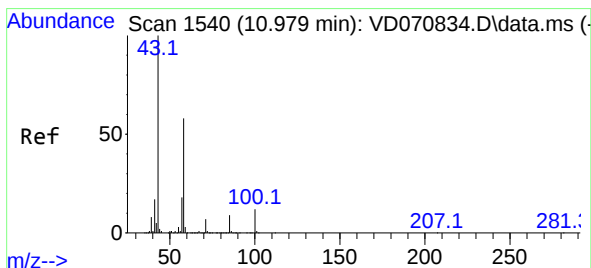
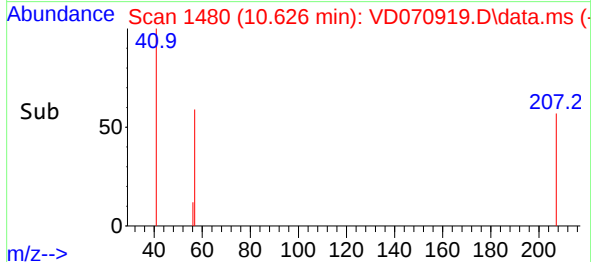
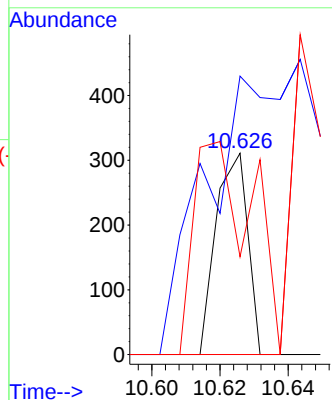
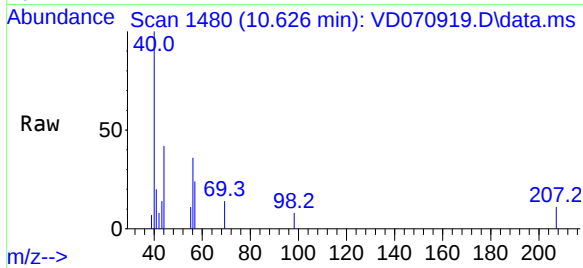




#56
Ethyl methacrylate
Concen: 2.937 ug/l
RT: 10.626 min Scan# 1485
Delta R.T. -0.029 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

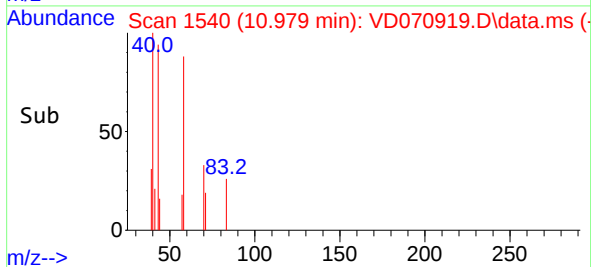
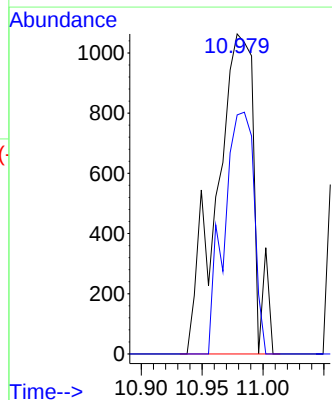
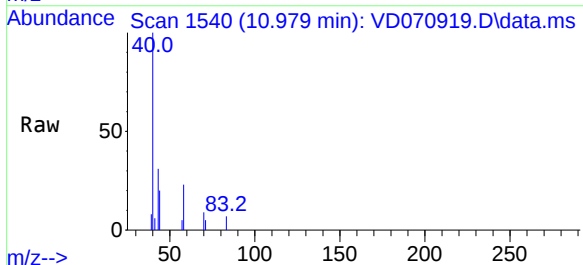
Instrument :
MSVOA_D
ClientSampleId :

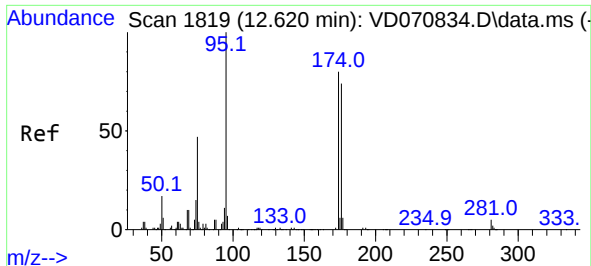
Tgt Ion: 69 Resp: 200
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 141.0 19.8 29.8#



#59
2-Hexanone
Concen: 2.955 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

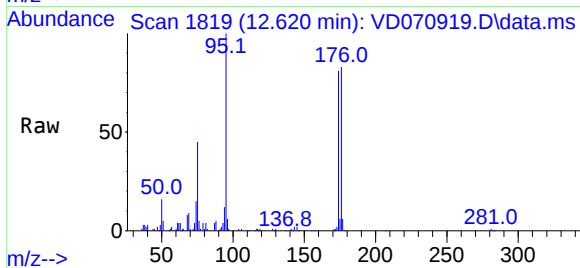
Tgt Ion: 43 Resp: 2297
Ion Ratio Lower Upper
43 100
58 59.8 28.7 86.1



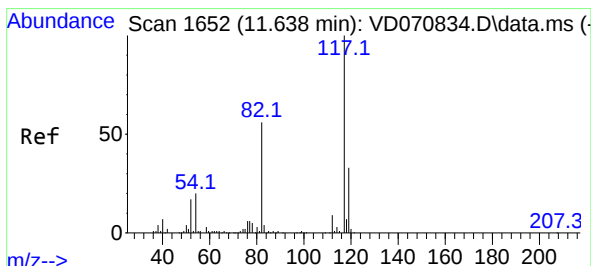
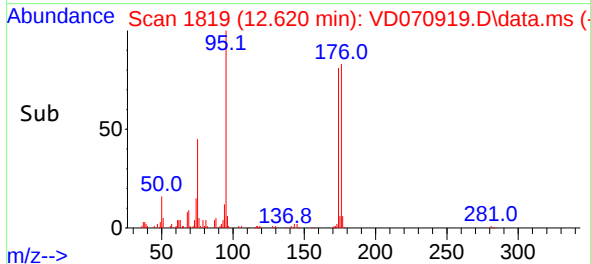
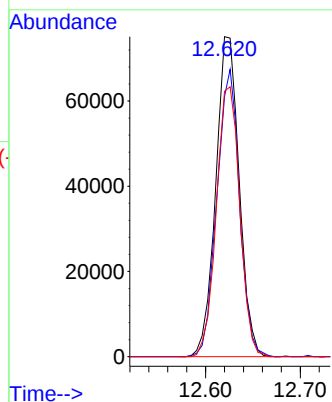


#62
4-Bromofluorobenzene
Concen: 54.944 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Instrument :
MSVOA_D
ClientSampleId :

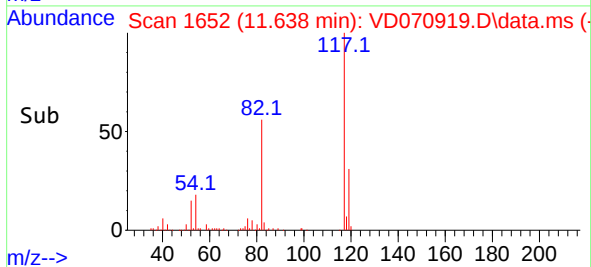
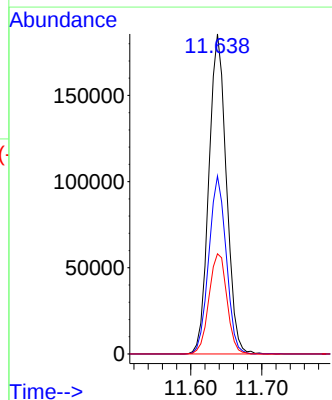
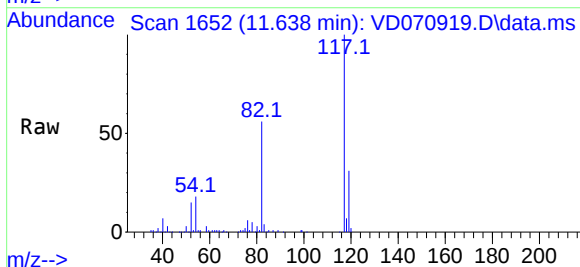


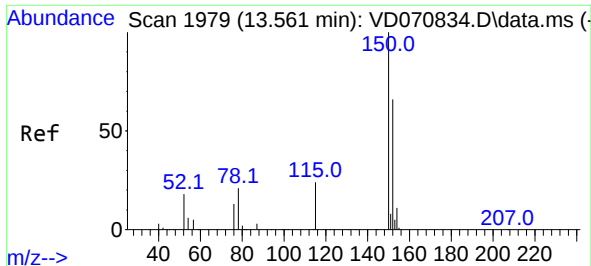
Tgt Ion: 95 Resp: 129155
Ion Ratio Lower Upper
95 100
174 86.6 0.0 159.4
176 84.1 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Tgt Ion: 117 Resp: 317665
Ion Ratio Lower Upper
117 100
82 55.6 44.7 67.1
119 31.3 26.2 39.4

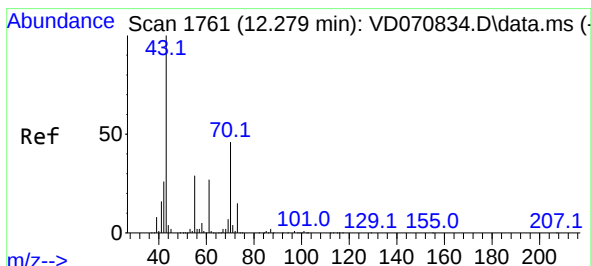
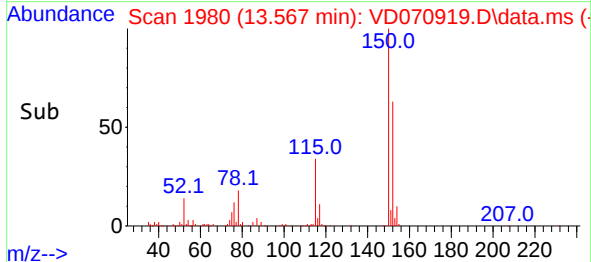
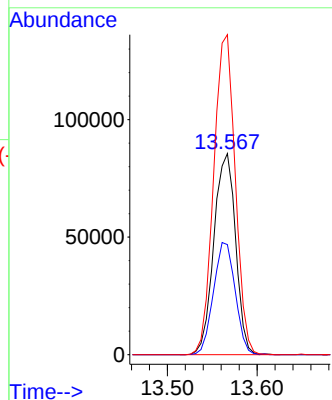
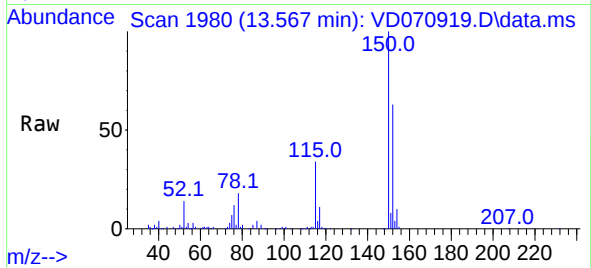




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1979
Delta R.T. 0.006 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

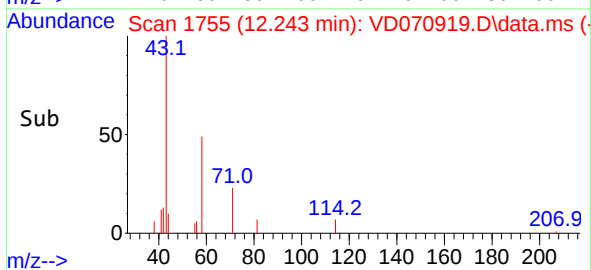
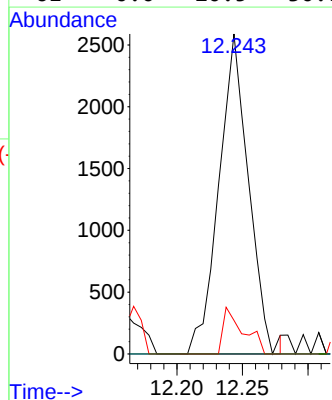
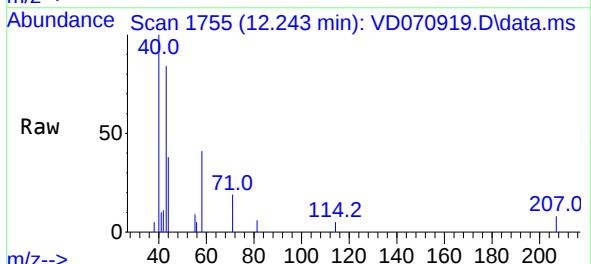
Instrument :
MSVOA_D
ClientSampleId :

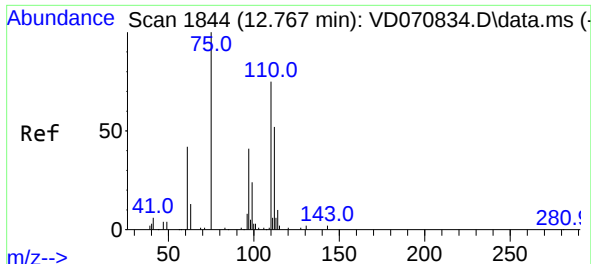
Tgt Ion:152 Resp: 144083
Ion Ratio Lower Upper
152 100
115 55.9 29.8 89.3
150 157.9 0.0 349.2



#74
N-ethyl acetate
Concen: 1.929 ug/l
RT: 12.243 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Tgt Ion: 43 Resp: 4077
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 9.9 22.5 33.7#
61 0.0 20.5 30.7#

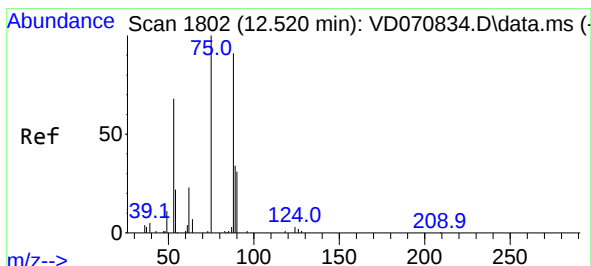
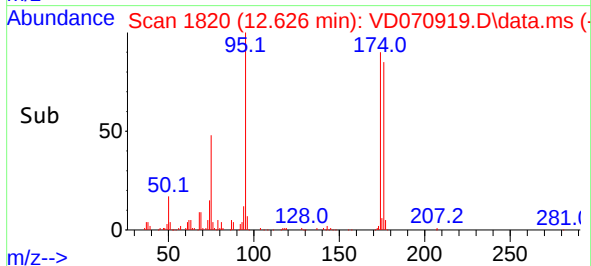
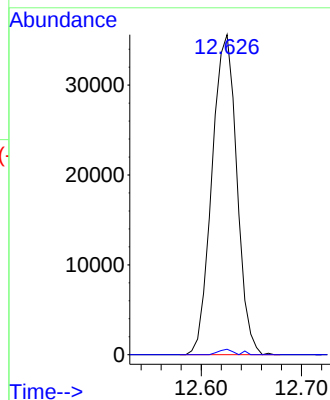
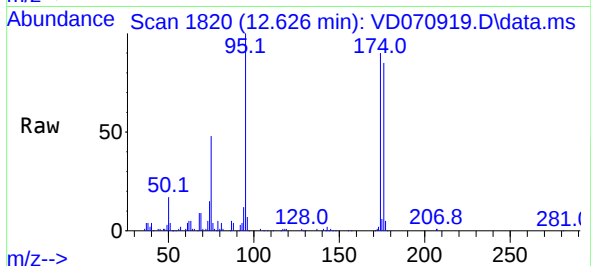




#76
1,2,3-Trichloropropane
Concen: 43.191 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

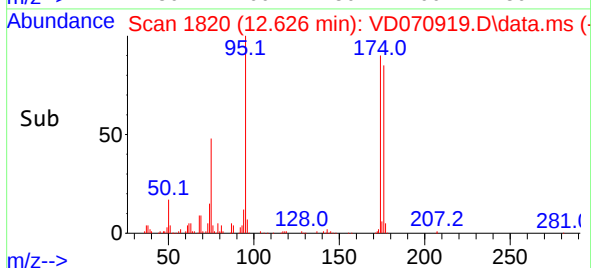
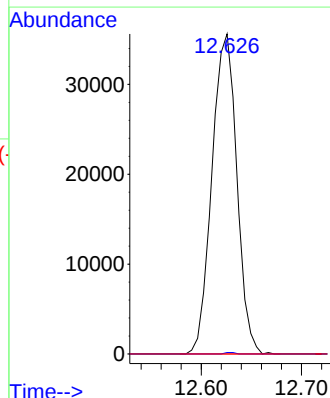
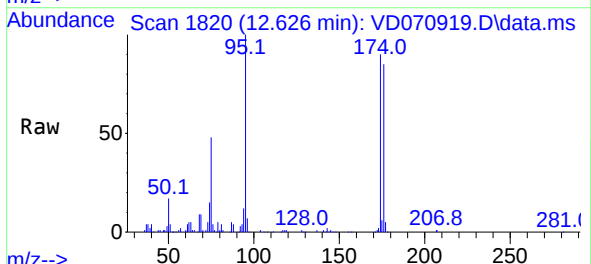
Instrument :
MSVOA_D
ClientSampleId :

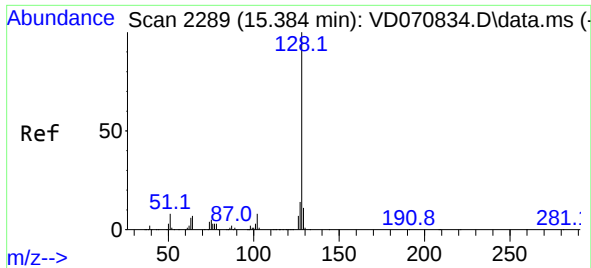
Tgt Ion: 75 Resp: 61261
Ion Ratio Lower Upper
75 100
77 0.9 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.361 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

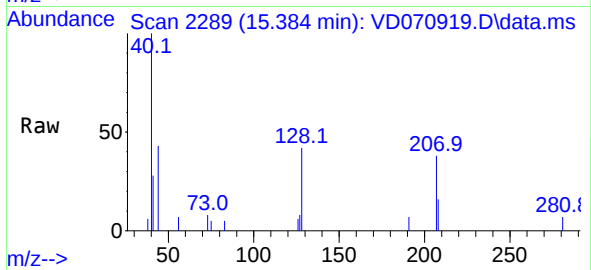
Tgt Ion: 75 Resp: 61261
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 34.5 51.7#





#95
Naphthalene
Concen: 4.635 ug/l
RT: 15.384 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD070919.D
Acq: 03 Nov 2021 19:24

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 2522
Ion Ratio Lower Upper
128 100
127 7.7 10.7 16.1#
129 6.8 8.7 13.1#

