

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110821\
 Data File : VD070939.D
 Acq On : 08 Nov 2021 16:59
 Operator : VA/SY
 Sample : M4519-03
 Misc : 5.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

Quant Time: Nov 09 02:34:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 08 13:56:36 2021
 Response via : Initial Calibration

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

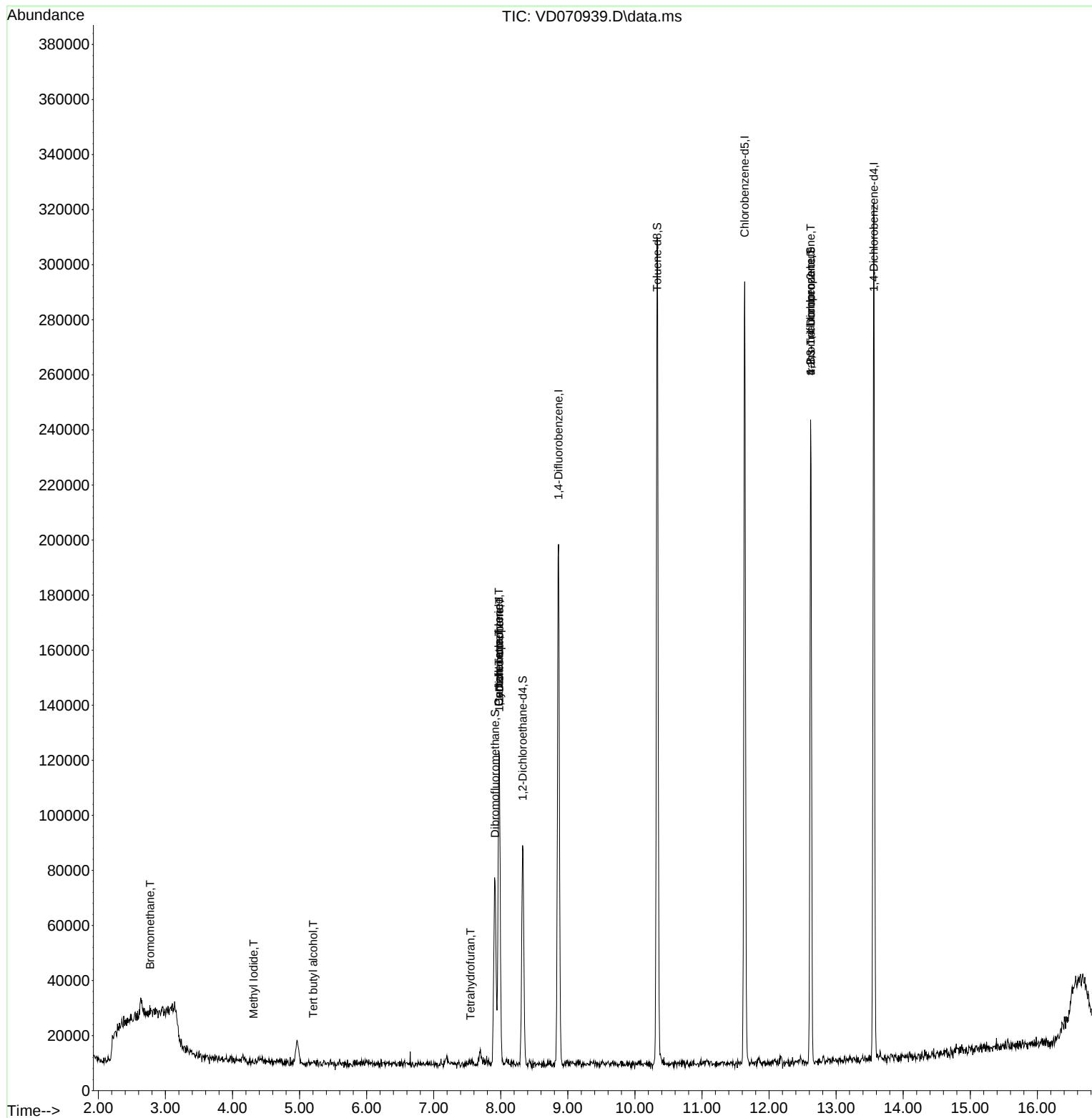
Internal Standards						
1) Pentafluorobenzene	7.973	168	82132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	156583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	157252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	76504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	60732	60.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.420%	
35) Dibromofluoromethane	7.914	113	50168	51.143	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.280%	
50) Toluene-d8	10.332	98	198682	52.105	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.200%	
62) 4-Bromofluorobenzene	12.620	95	77677	53.962	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.920%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	717	1.388	ug/l #	59
10) Methyl Iodide	4.314	142	408	4.804	ug/l #	40
11) Tert butyl alcohol	5.203	59	74	1.133	ug/l #	1
13) Acrolein	3.897	56	229	Below Cal	#	53
16) Acetone	4.156	43	1194	Below Cal		99
29) Tetrahydrofuran	7.550	42	1273	7.464	ug/l #	34
31) Cyclohexane	7.973	56	3459	1.753	ug/l #	47
36) 1,1-Dichloropropene	7.979	75	7163	4.477	ug/l #	48
38) Carbon Tetrachloride	7.973	117	8363	5.384	ug/l #	16
76) 1,2,3-Trichloropropane	12.620	75	40598	52.668	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	40598	124.965	ug/l #	18

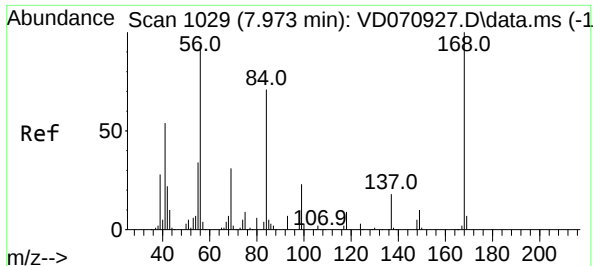
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110521S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 08 13:56:36 2021
Response via : Initial Calibration

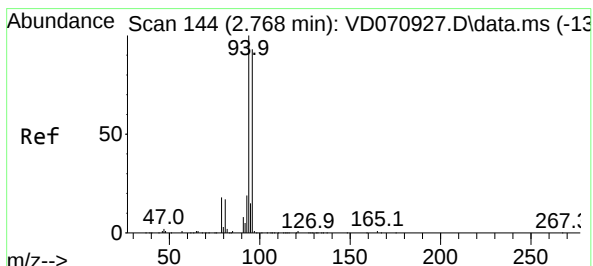
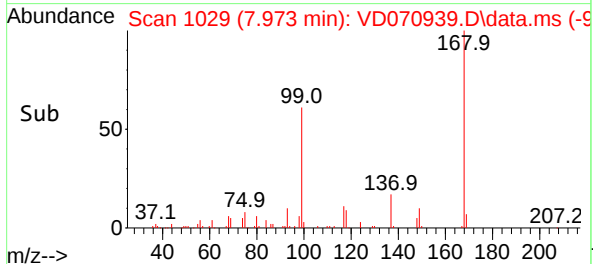
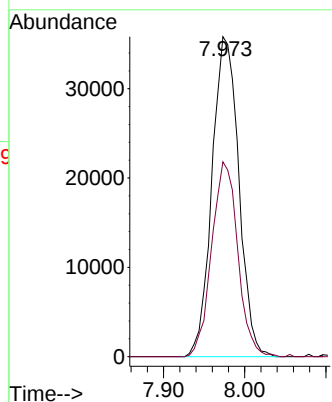
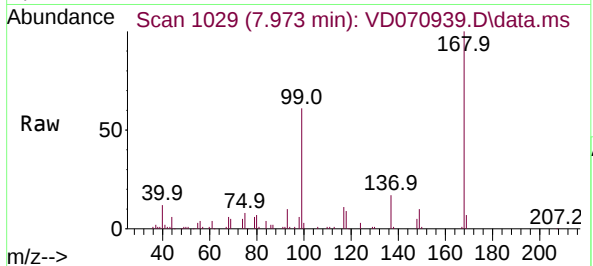




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

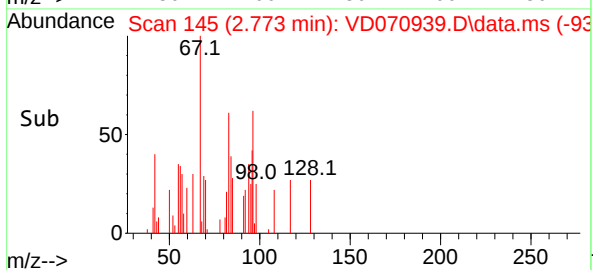
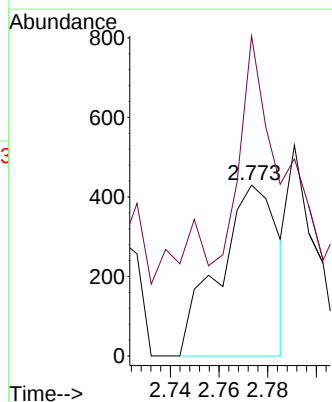
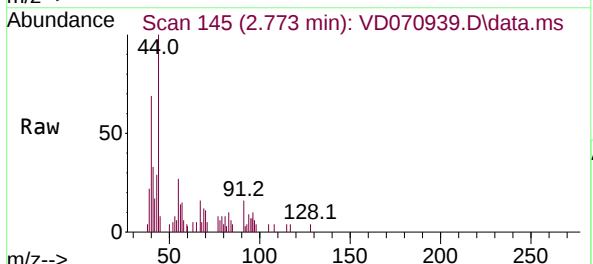
Instrument :
MSVOA_D
ClientSampleId :
SB-3

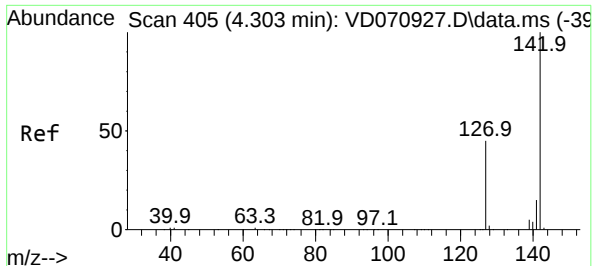
Tgt Ion:168 Resp: 82132
Ion Ratio Lower Upper
168 100
99 60.9 46.6 69.8



#5
Bromomethane
Concen: 1.388 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

Tgt Ion: 94 Resp: 717
Ion Ratio Lower Upper
94 100
96 133.3 74.8 112.2#

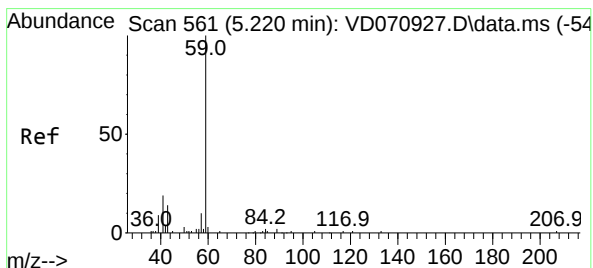
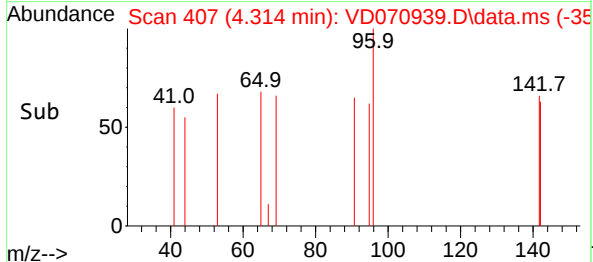
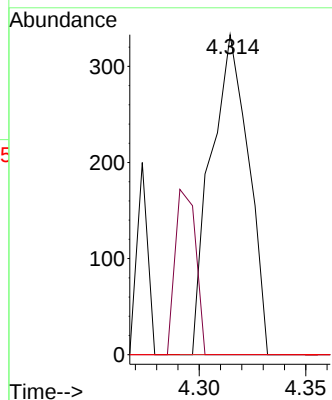
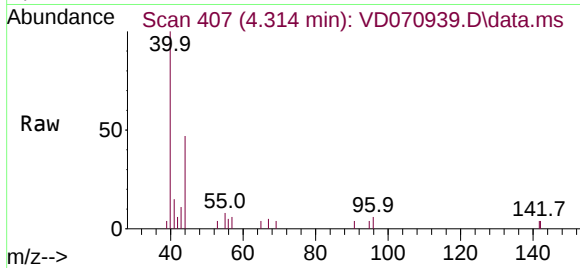




#10
Methyl Iodide
Concen: 4.804 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

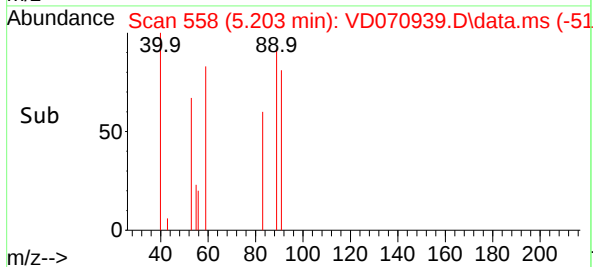
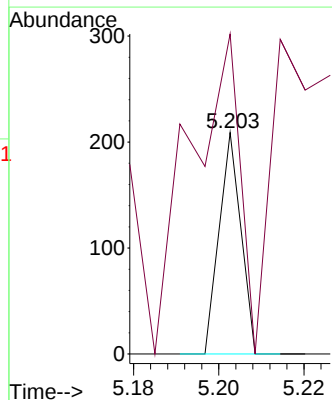
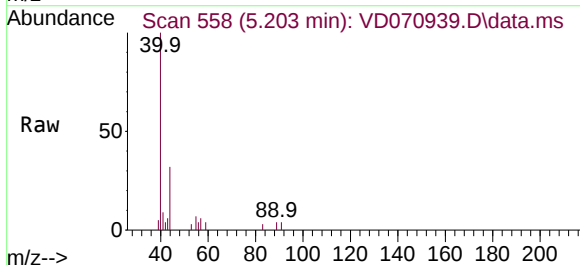
Instrument :
MSVOA_D
ClientSampleId :
SB-3

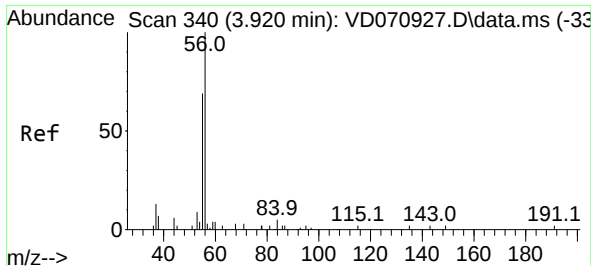
Tgt Ion:142 Resp: 408
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.133 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 417.6 9.0 13.4#

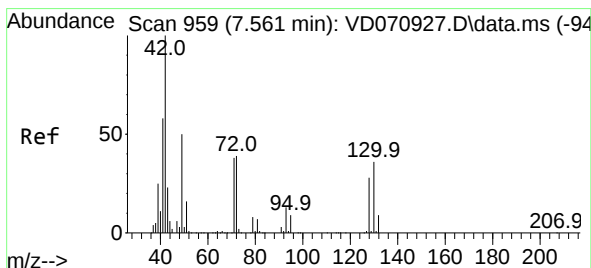
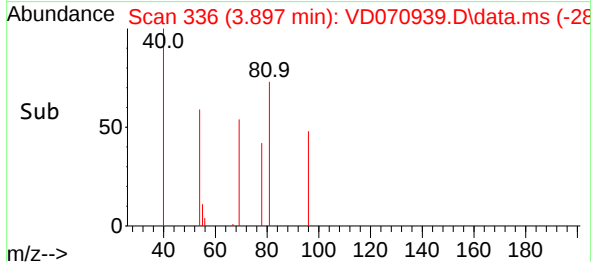
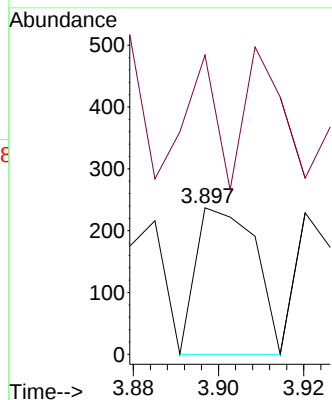
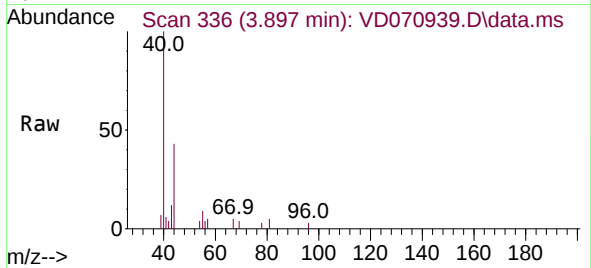




#13
Acrolein
Concen: Below Cal
RT: 3.897 min Scan# 31
Delta R.T. -0.023 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

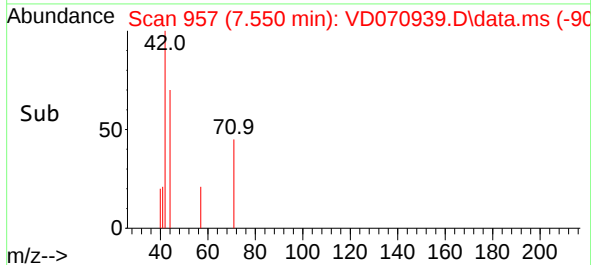
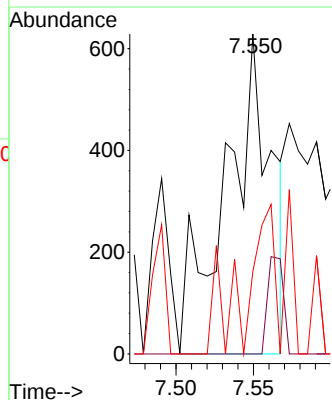
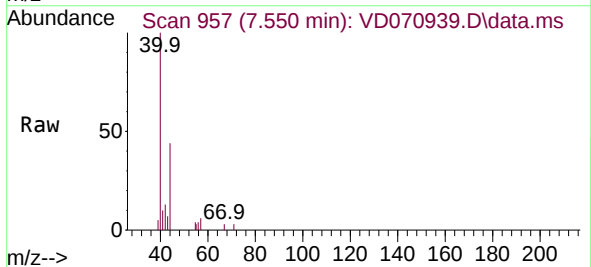
Instrument :
MSVOA_D
ClientSampleId :
SB-3

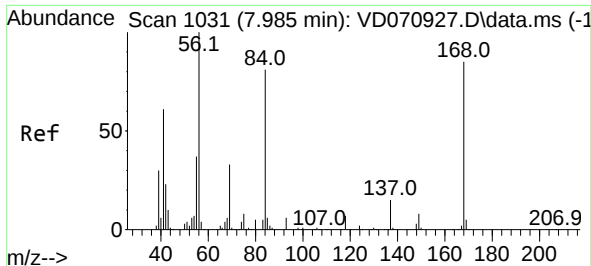
Tgt Ion: 56 Resp: 229
Ion Ratio Lower Upper
56 100
55 33.6 58.6 87.8#



#29
Tetrahydrofuran
Concen: 7.464 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.011 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

Tgt Ion: 42 Resp: 1273
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.753 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD070939.D

Acq: 08 Nov 2021 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-3

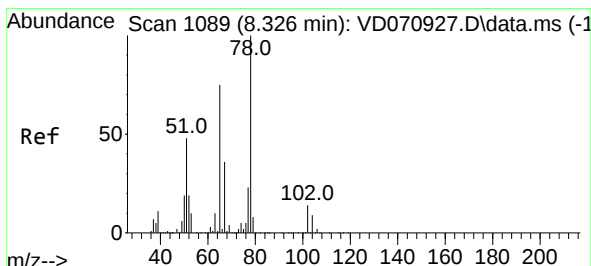
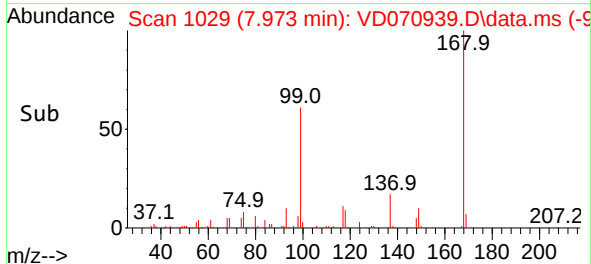
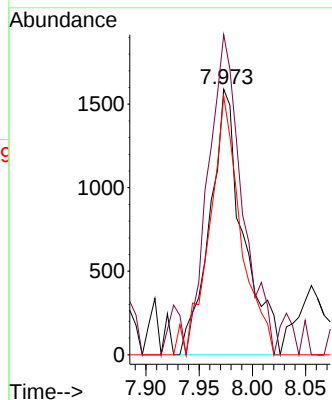
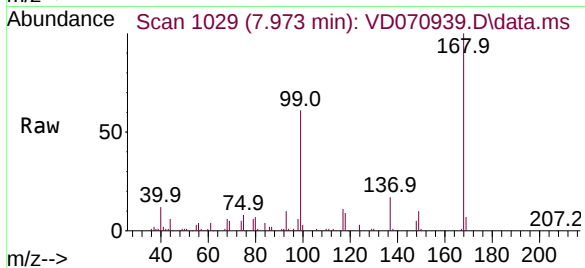
Tgt Ion: 56 Resp: 3459

Ion Ratio Lower Upper

56 100

69 109.9 25.9 38.9#

84 97.4 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 60.206 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070939.D

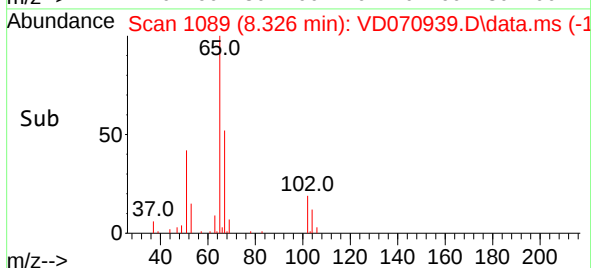
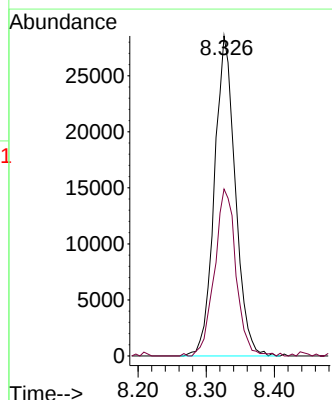
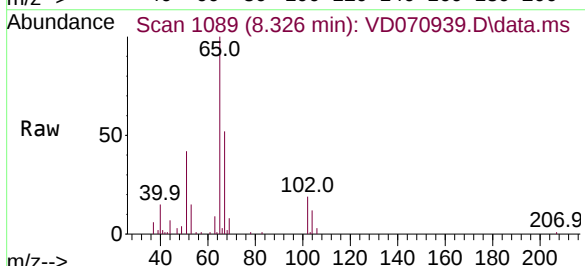
Acq: 08 Nov 2021 16:59

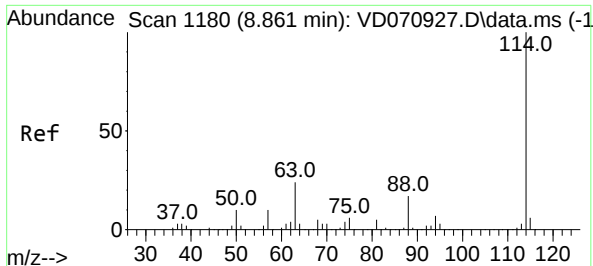
Tgt Ion: 65 Resp: 60732

Ion Ratio Lower Upper

65 100

67 53.8 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: VD070939.D

Acq: 08 Nov 2021 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-3

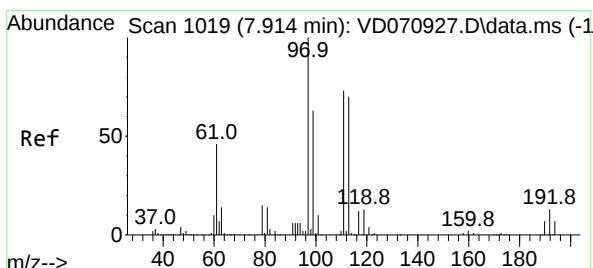
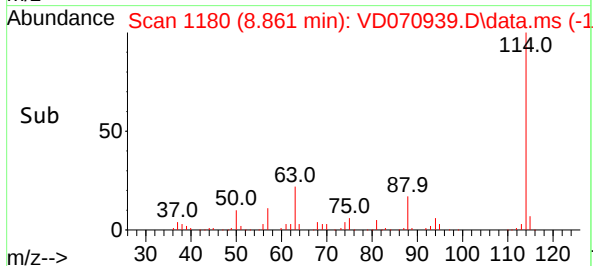
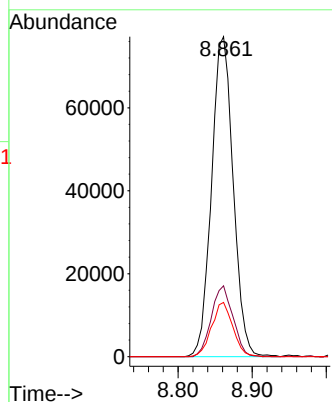
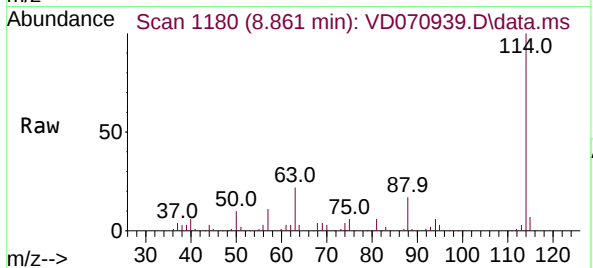
Tgt Ion:114 Resp: 156583

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 17.0 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.143 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070939.D

Acq: 08 Nov 2021 16:59

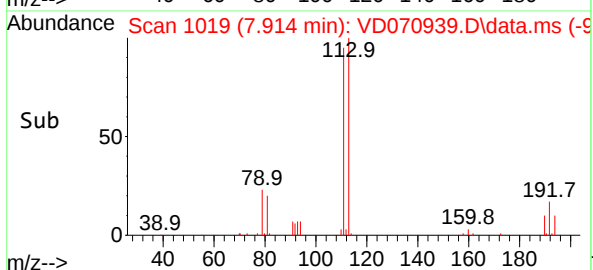
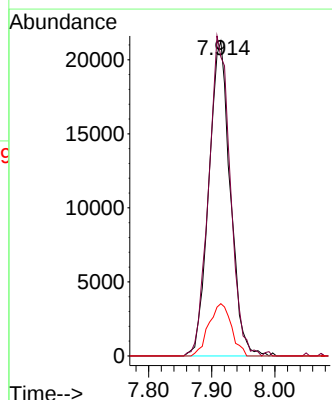
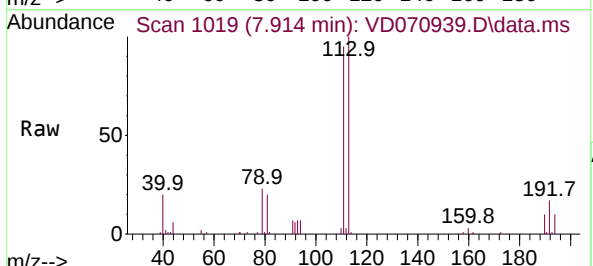
Tgt Ion:113 Resp: 50168

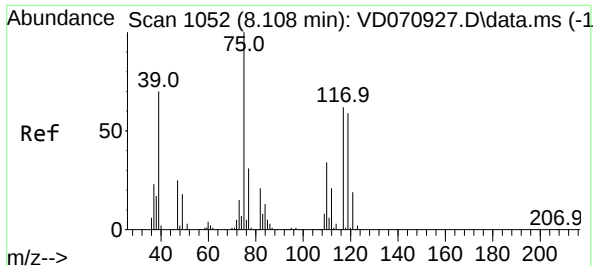
Ion Ratio Lower Upper

113 100

111 102.3 82.0 123.0

192 17.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.477 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD070939.D

Acq: 08 Nov 2021 16:59

Instrument :

MSVOA_D

ClientSampleId :

SB-3

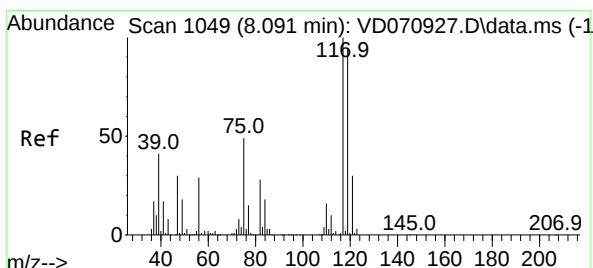
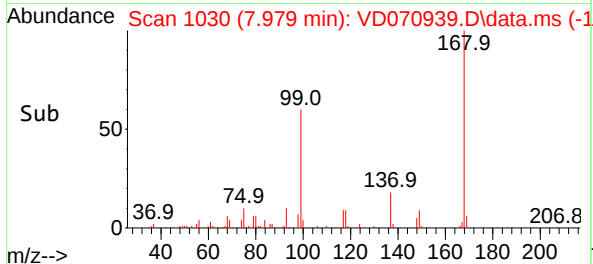
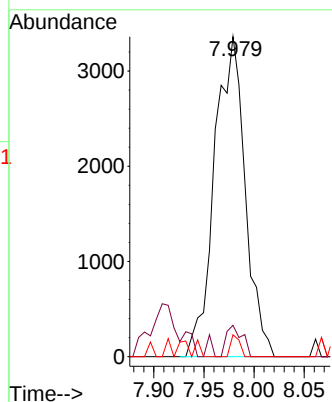
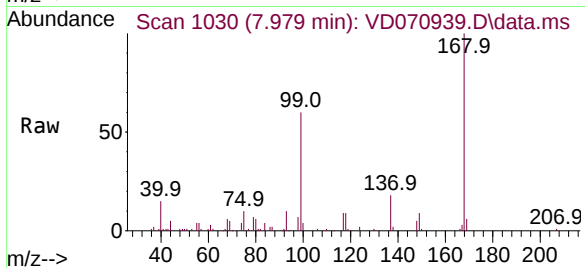
Tgt Ion: 75 Resp: 7163

Ion Ratio Lower Upper

75 100

110 5.1 17.8 53.4#

77 2.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.384 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD070939.D

Acq: 08 Nov 2021 16:59

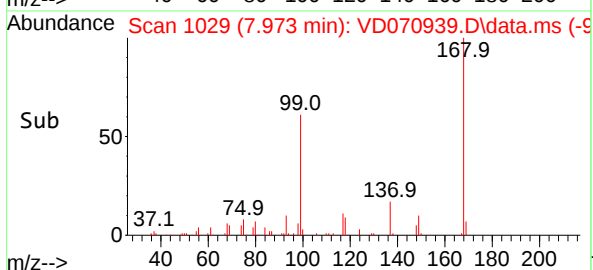
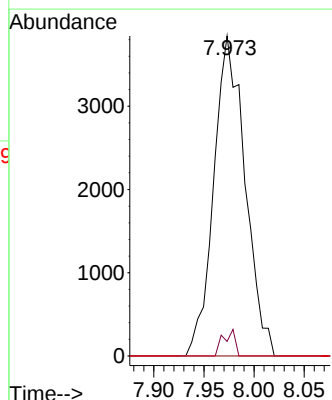
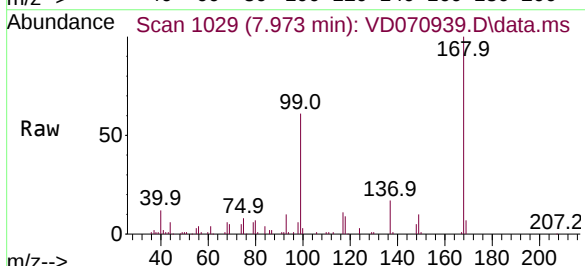
Tgt Ion: 117 Resp: 8363

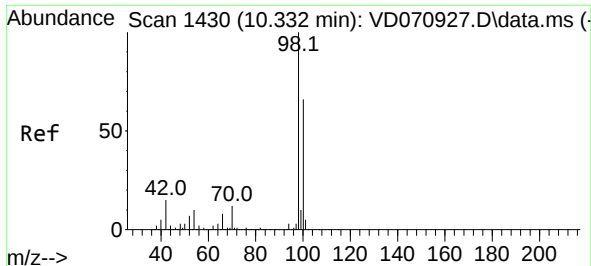
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

121 0.0 23.6 35.4#

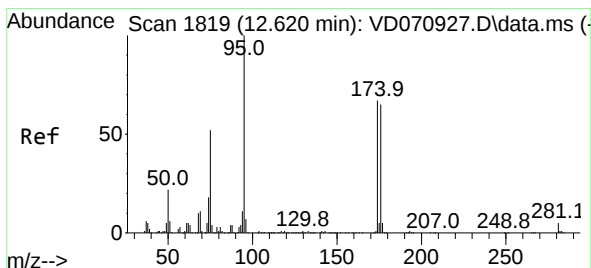
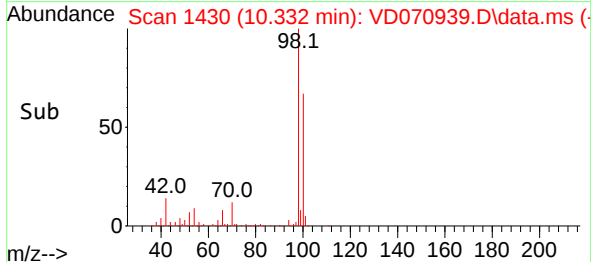
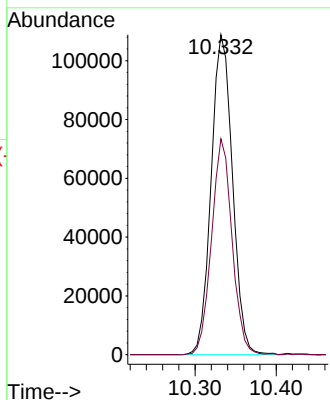
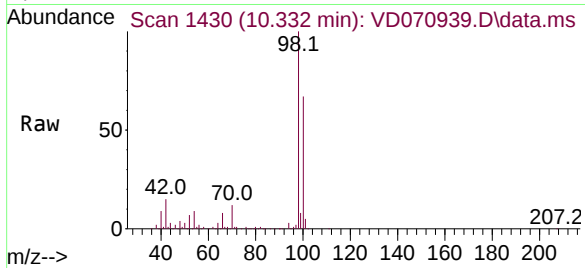




#50
Toluene-d8
Concen: 52.105 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

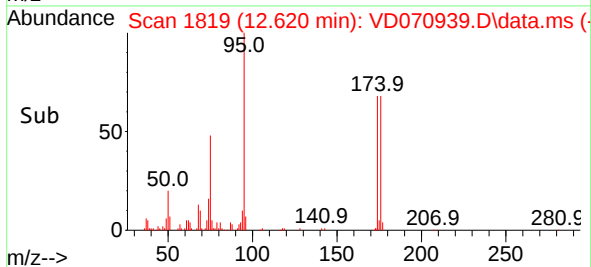
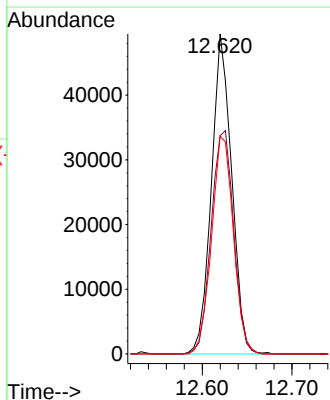
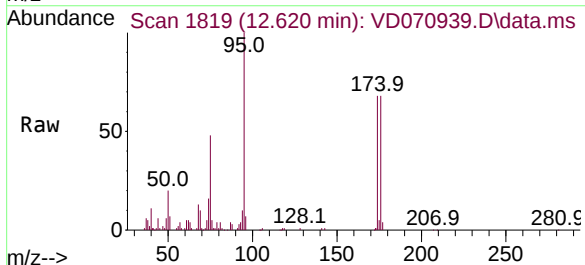
Instrument :
MSVOA_D
ClientSampleId :
SB-3

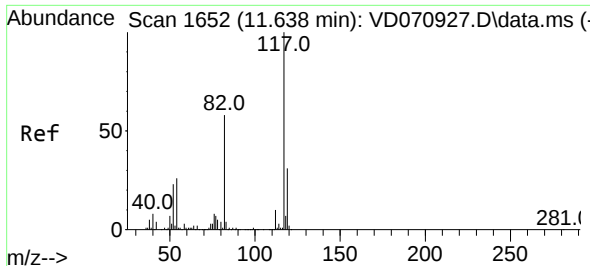
Tgt Ion: 98 Resp: 198682
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 53.962 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

Tgt Ion: 95 Resp: 77677
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.4
176 73.3 0.0 154.0

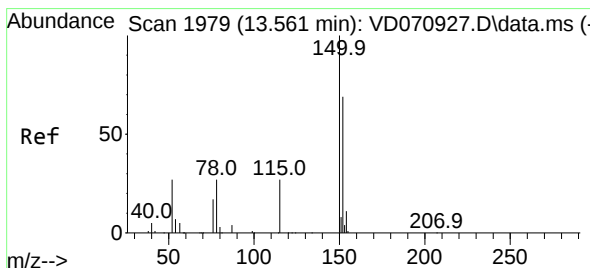
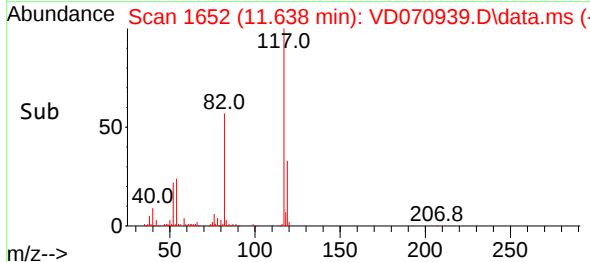
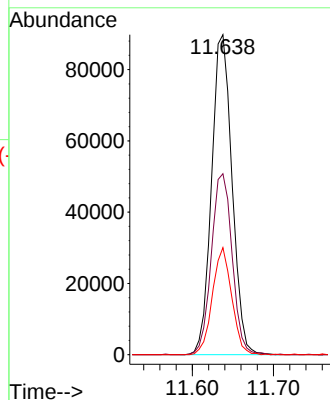
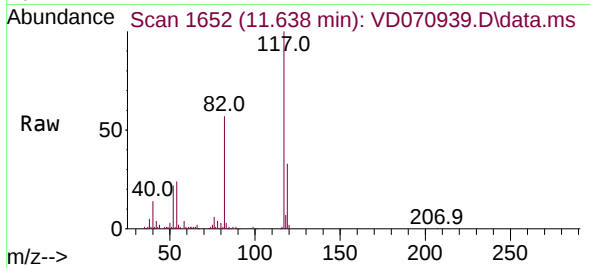




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

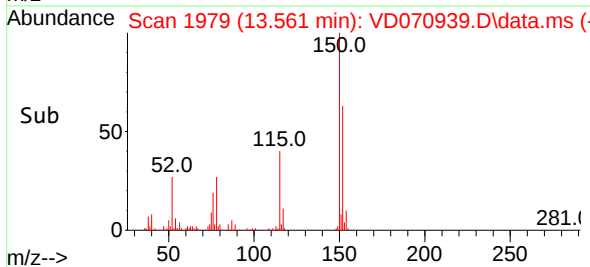
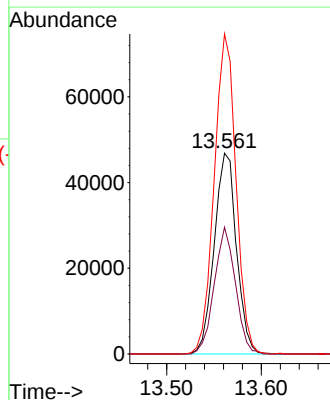
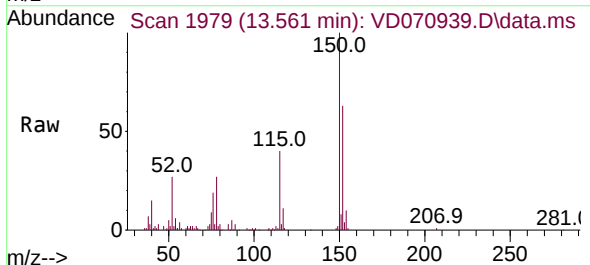
Instrument :
MSVOA_D
ClientSampleId :
SB-3

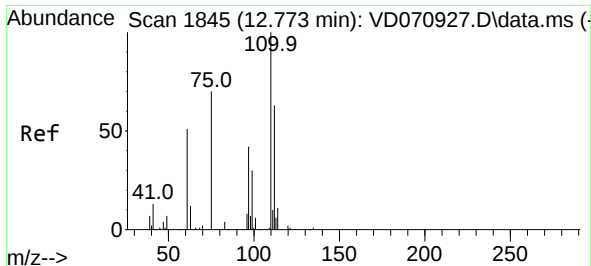
Tgt Ion:117 Resp: 157252
Ion Ratio Lower Upper
117 100
82 56.6 44.7 67.1
119 33.5 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

Tgt Ion:152 Resp: 76504
Ion Ratio Lower Upper
152 100
115 60.1 29.8 89.3
150 155.9 0.0 349.2

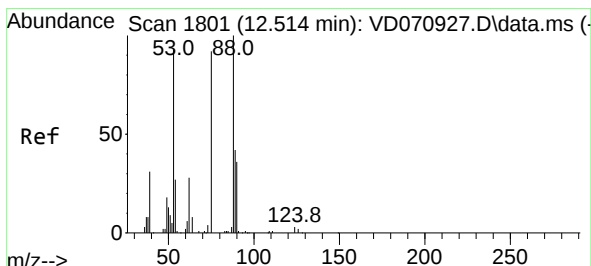
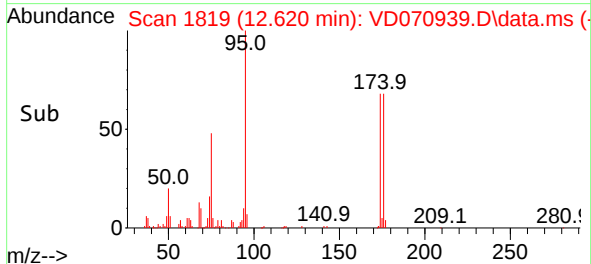
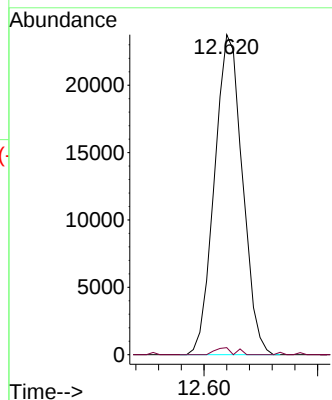
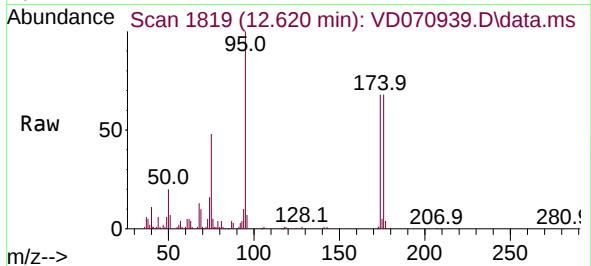




#76
1,2,3-Trichloropropane
Concen: 52.668 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

Instrument :
MSVOA_D
ClientSampleId :
SB-3

Tgt Ion: 75 Resp: 40598
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.965 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD070939.D
Acq: 08 Nov 2021 16:59

Tgt Ion: 75 Resp: 40598
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#

