

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075103.D
 Acq On : 10 Jan 2023 13:34
 Operator : KP/SY
 Sample : 01080-04
 Misc : 6.11G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-3-(10-12)

Quant Time: Jan 11 01:49:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 10 03:36:33 2023
 Response via : Initial Calibration

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

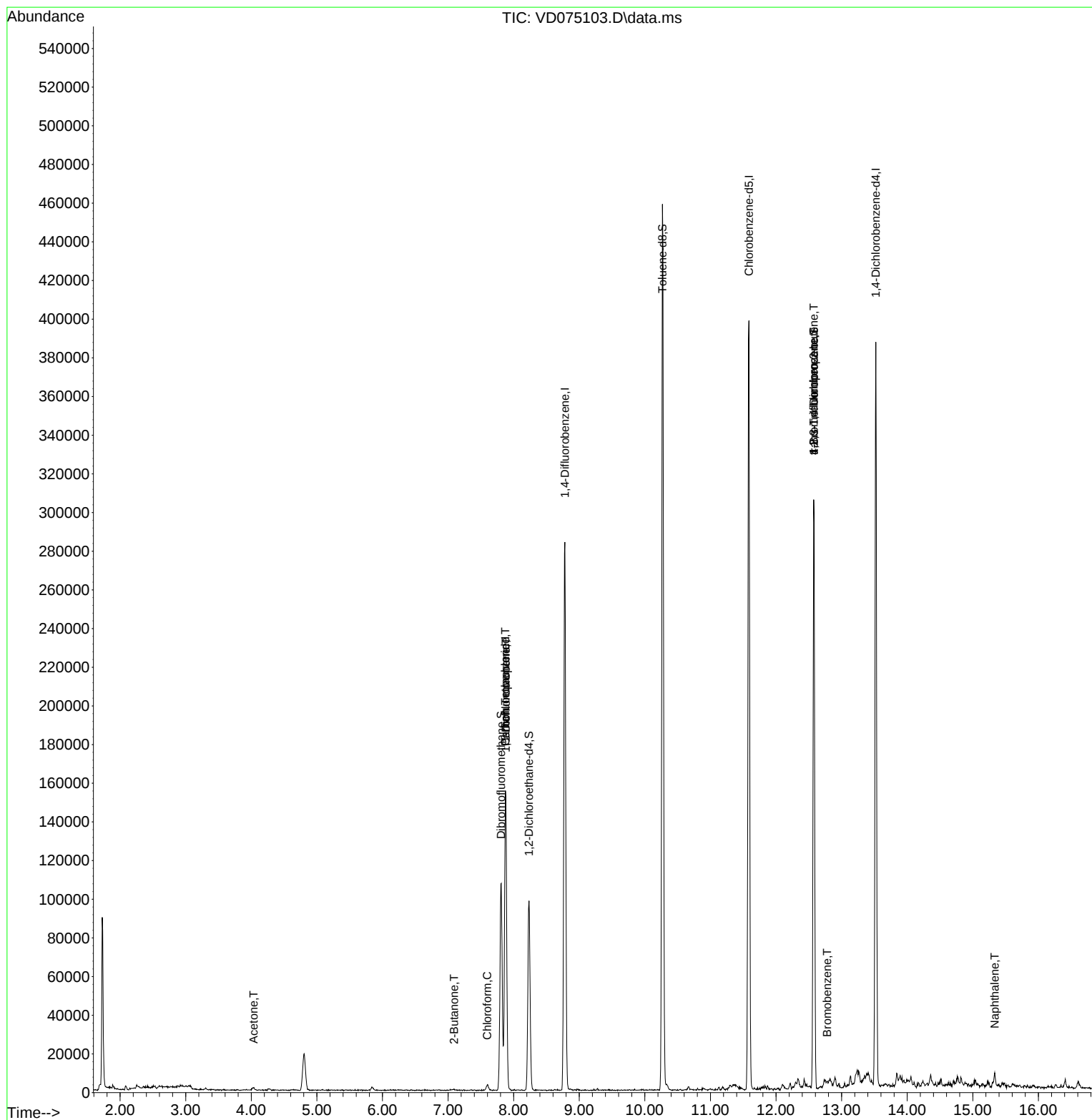
Internal Standards						
1) Pentafluorobenzene	7.875	168	118541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	255178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	233146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	95865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76474	64.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.700%	
35) Dibromofluoromethane	7.810	113	79560	49.566	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.140%	
50) Toluene-d8	10.269	98	314456	49.408	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.820%	
62) 4-Bromofluorobenzene	12.575	95	103683	50.755	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.500%	
Target Compounds						Qvalue
3) Chloromethane	2.152	50	186	Below Cal	#	43
5) Bromomethane	2.693	94	149	Below Cal	#	6
16) Acetone	4.034	43	2557	9.081	ug/l #	84
17) Carbon Disulfide	4.263	76	743	Below Cal	#	78
18) Methyl Acetate	4.804	43	114	Below Cal	#	52
20) Methylene Chloride	4.804	84	13907	Below Cal		96
25) 2-Butanone	7.092	43	469	1.257	ug/l #	47
30) Chloroform	7.598	83	2781	1.239	ug/l	84
31) Cyclohexane	7.869	56	3016	Below Cal	#	1
36) 1,1-Dichloropropene	7.881	75	10001	5.036	ug/l #	48
37) Ethyl Acetate	7.092	43	469	Below Cal	#	68
38) Carbon Tetrachloride	7.875	117	12303	7.071	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	53054	58.000	ug/l #	1
77) Bromobenzene	12.780	156	4299	2.740	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	53054	154.034	ug/l #	15
95) Naphthalene	15.333	128	5172	1.457	ug/l #	95

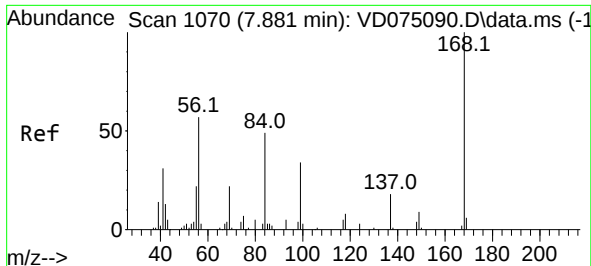
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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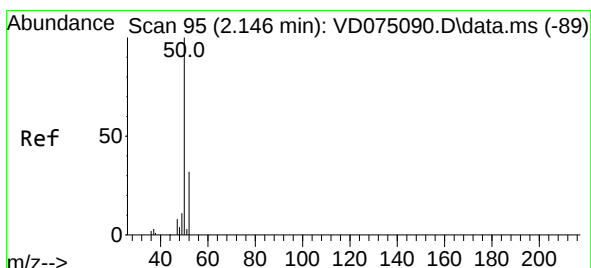
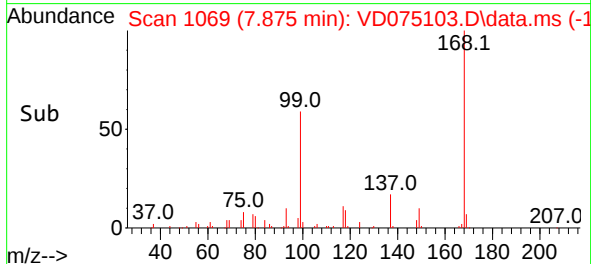
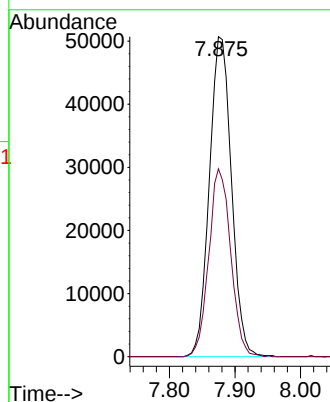
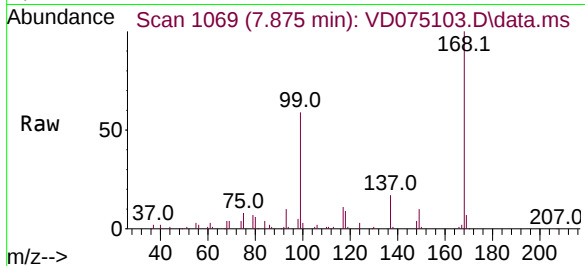




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

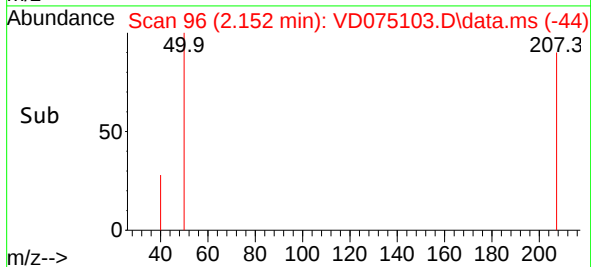
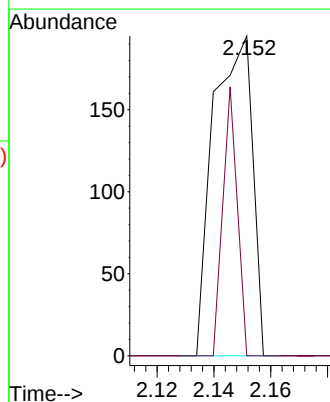
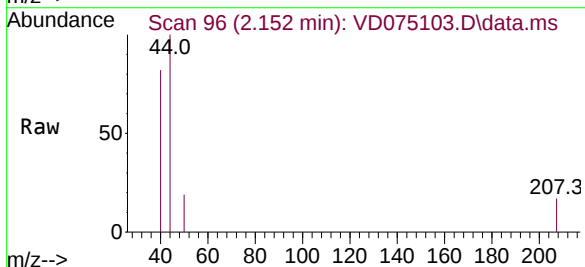
Instrument :
MSVOA_D
ClientSampleId :
B-3-(10-12)

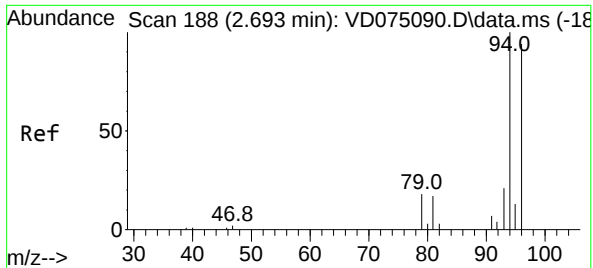
Tgt Ion:168 Resp: 118541
Ion Ratio Lower Upper
168 100
99 58.7 43.2 64.8



#3
Chloromethane
Concen: Below Cal
RT: 2.152 min Scan# 96
Delta R.T. 0.006 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

Tgt Ion: 50 Resp: 186
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

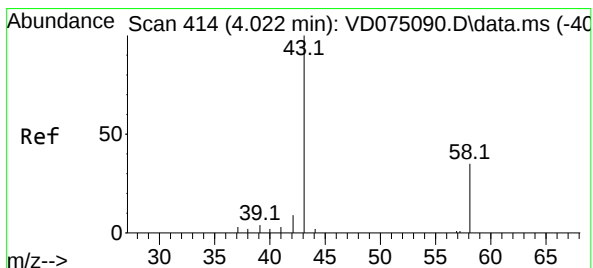
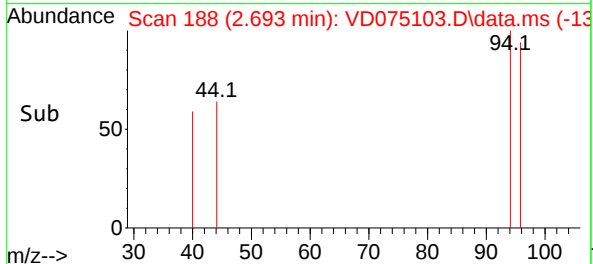
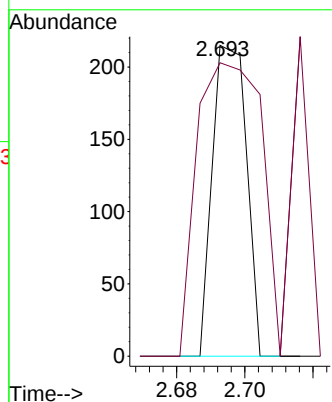
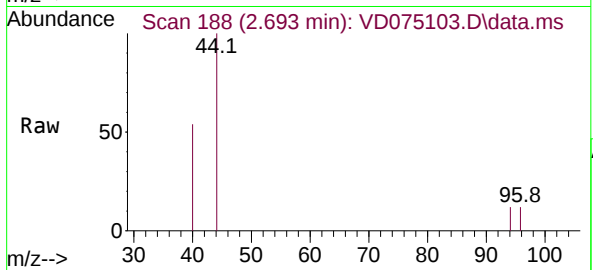




#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

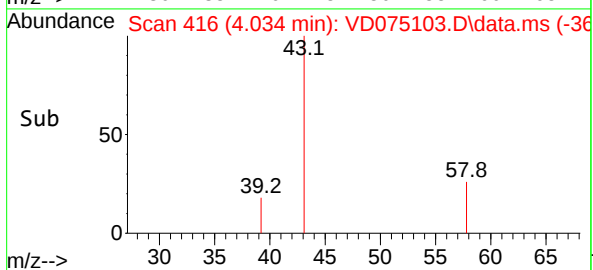
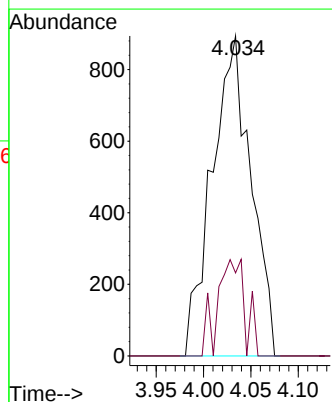
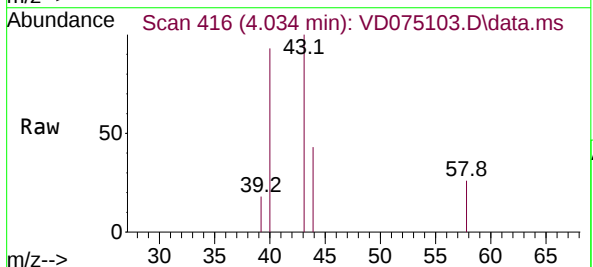
Instrument :
MSVOA_D
ClientSampleId :
B-3-(10-12)

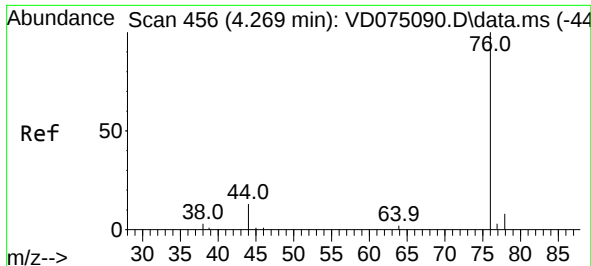
Tgt Ion: 94 Resp: 149
Ion Ratio Lower Upper
94 100
96 179.2 72.5 108.7#



#16
Acetone
Concen: 9.081 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

Tgt Ion: 43 Resp: 2557
Ion Ratio Lower Upper
43 100
58 26.0 28.3 42.5#

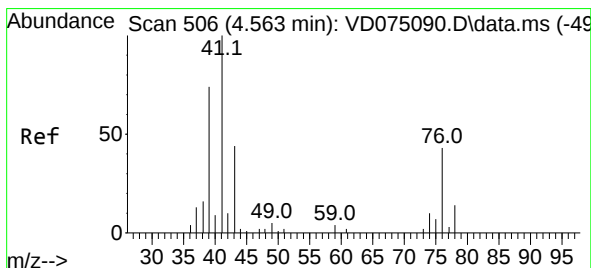
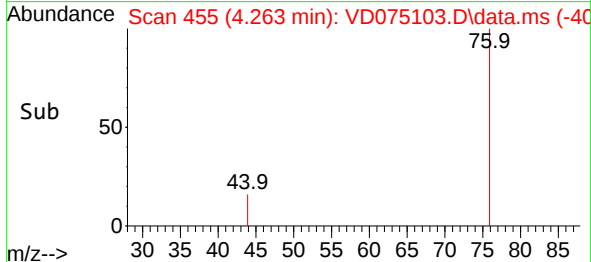
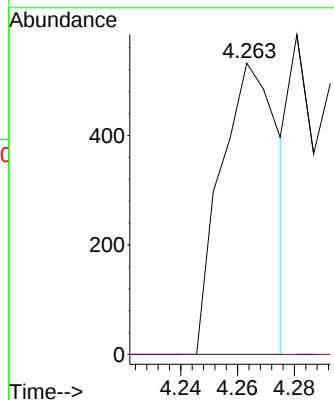
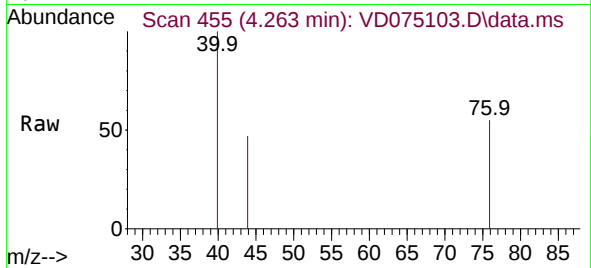




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.263 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

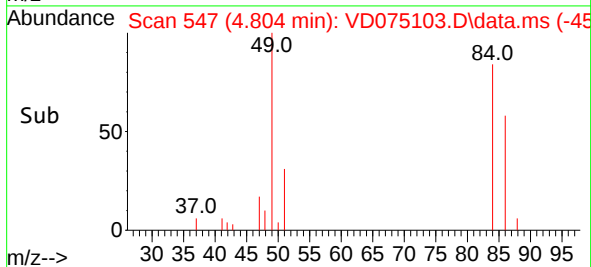
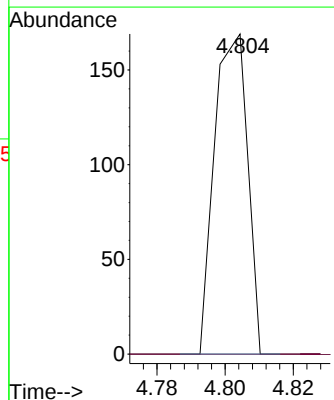
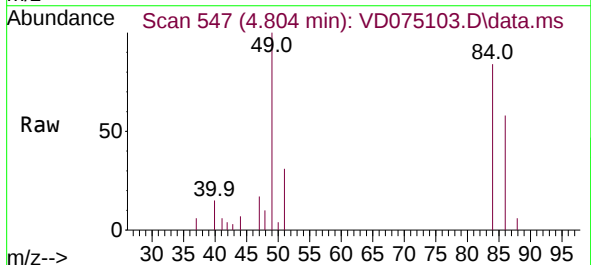
Instrument :
MSVOA_D
ClientSampleId :
B-3-(10-12)

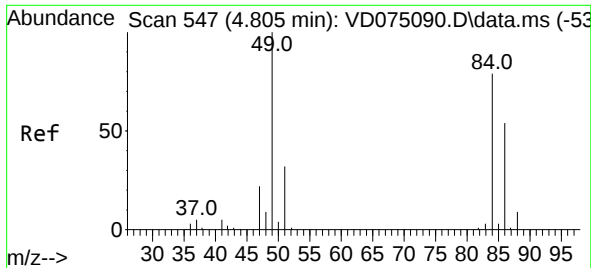
Tgt Ion: 76 Resp: 743
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.804 min Scan# 547
Delta R.T. 0.241 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

Tgt Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#

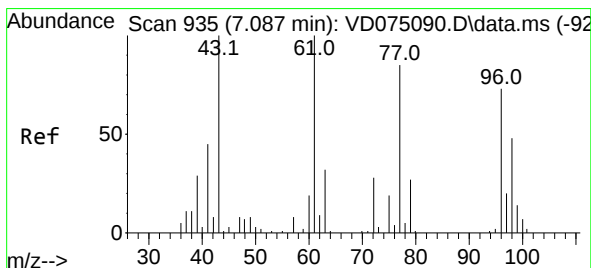
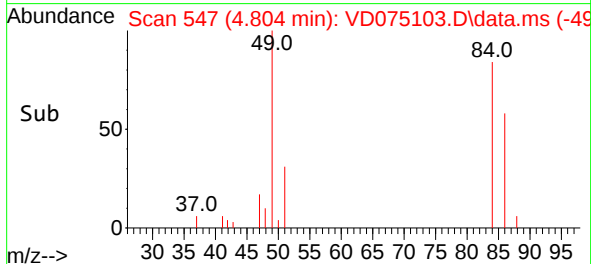
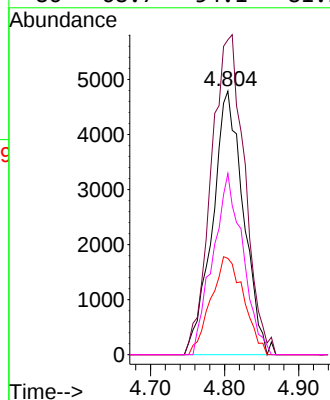
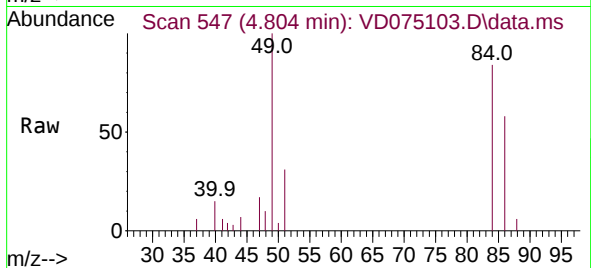




#20
Methylene Chloride
Concen: Below Cal
RT: 4.804 min Scan# 54
Delta R.T. -0.001 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

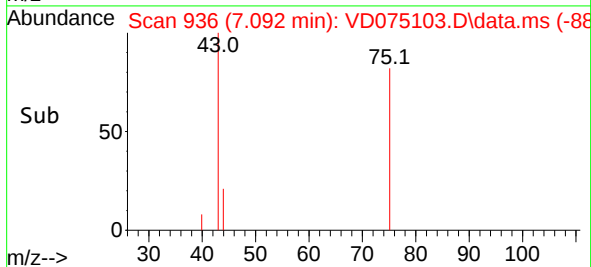
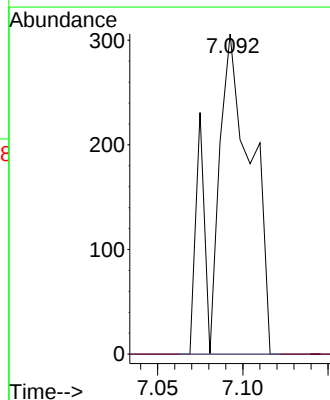
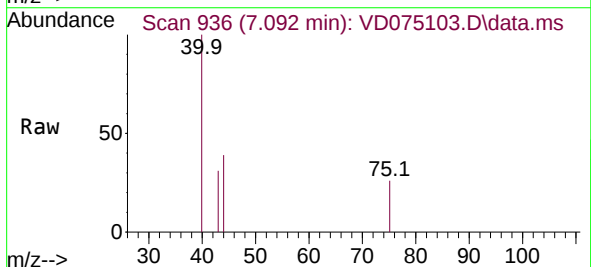
Instrument :
MSVOA_D
ClientSampleId :
B-3-(10-12)

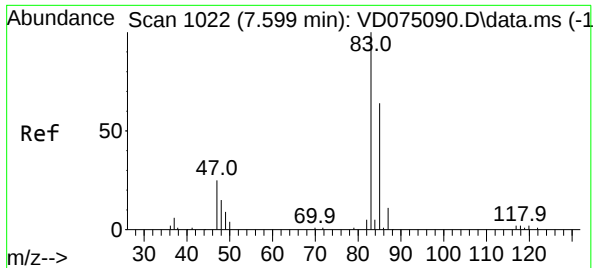
Tgt Ion: 84	Resp: 13907		
Ion	Ratio	Lower	Upper
84	100		
49	119.5	100.6	151.0
51	36.6	31.8	47.8
86	68.7	54.1	81.1



#25
2-Butanone
Concen: 1.257 ug/l
RT: 7.092 min Scan# 936
Delta R.T. 0.006 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

Tgt Ion: 43	Resp: 469		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	22.6	33.8#	





#30

Chloroform

Concen: 1.239 ug/l

RT: 7.598 min Scan# 10

Delta R.T. -0.000 min

Lab File: VD075103.D

Acq: 10 Jan 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

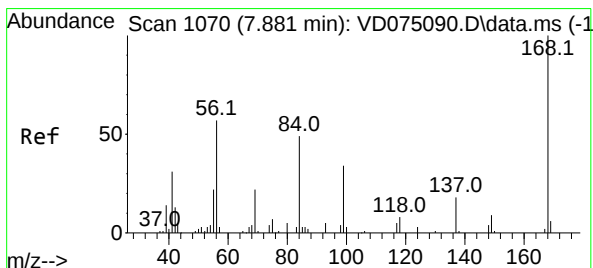
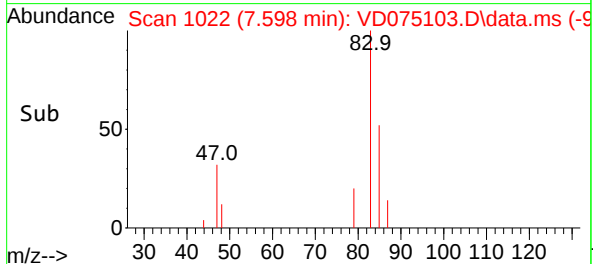
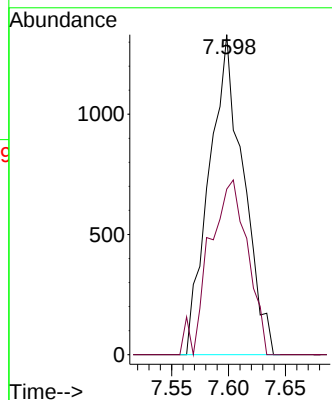
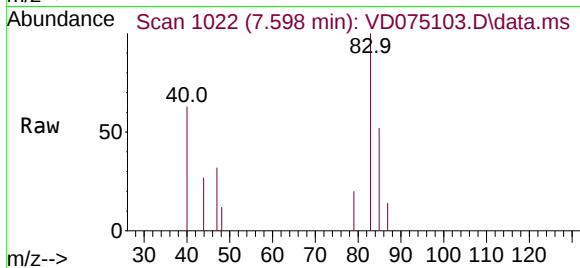
B-3-(10-12)

Tgt Ion: 83 Resp: 2781

Ion Ratio Lower Upper

83 100

85 51.8 51.3 76.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD075103.D

Acq: 10 Jan 2023 13:34

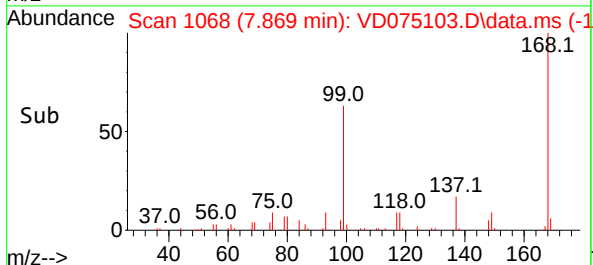
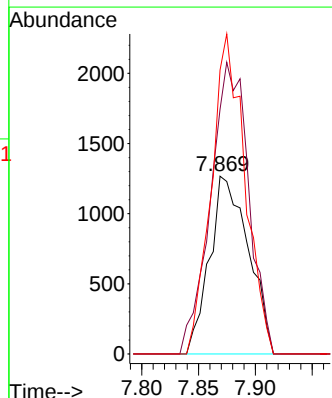
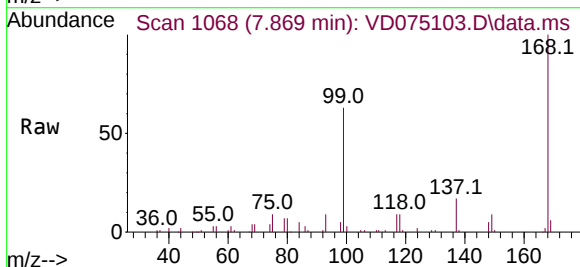
Tgt Ion: 56 Resp: 3016

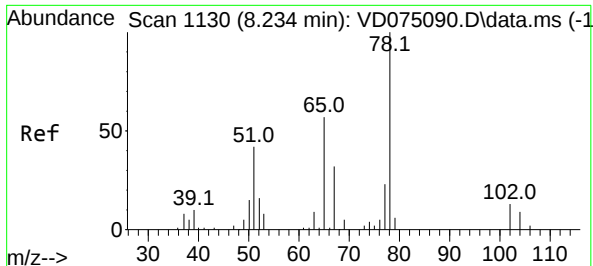
Ion Ratio Lower Upper

56 100

69 137.6 30.4 45.6#

84 159.7 68.6 102.8#





#33

1,2-Dichloroethane-d4

Concen: 64.348 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075103.D

Acq: 10 Jan 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

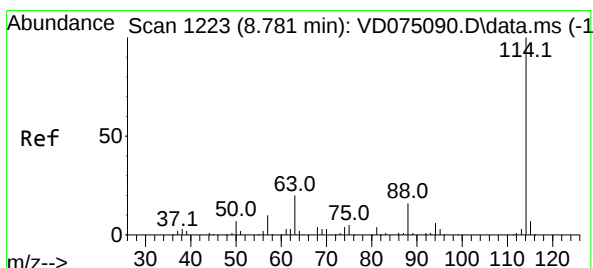
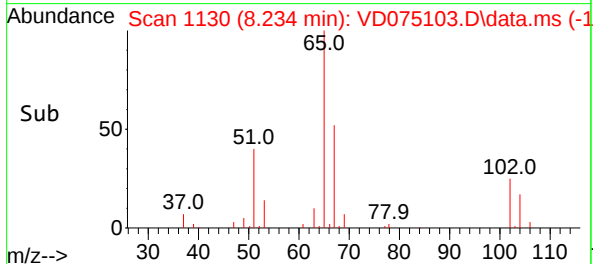
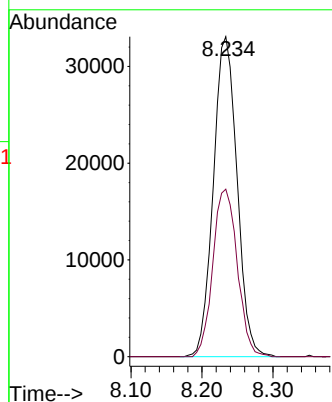
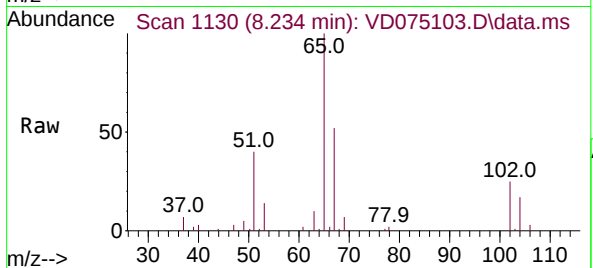
B-3-(10-12)

Tgt Ion: 65 Resp: 76474

Ion Ratio Lower Upper

65 100

67 54.0 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD075103.D

Acq: 10 Jan 2023 13:34

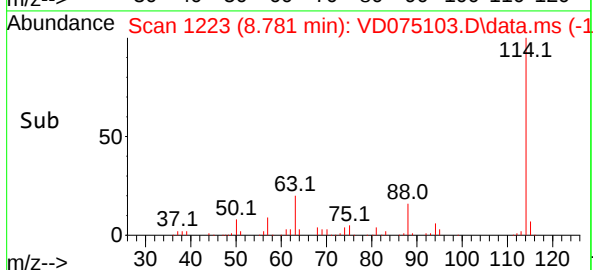
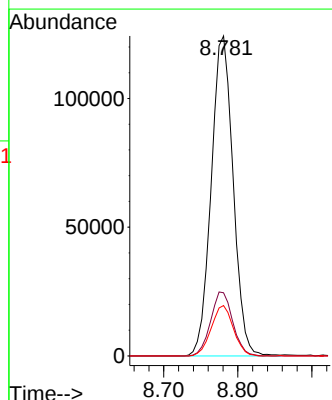
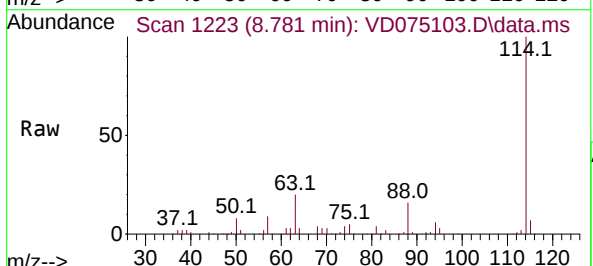
Tgt Ion: 114 Resp: 255178

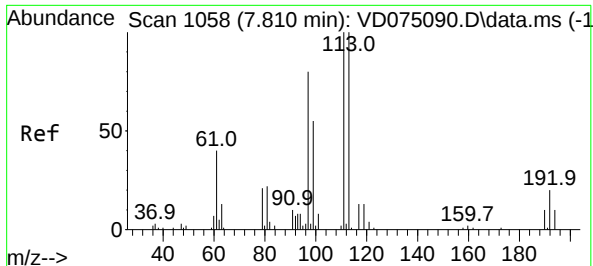
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

88 15.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.566 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD075103.D

Acq: 10 Jan 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

B-3-(10-12)

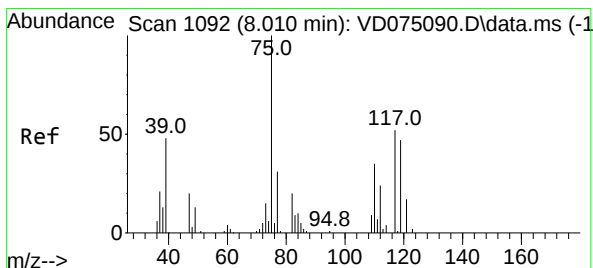
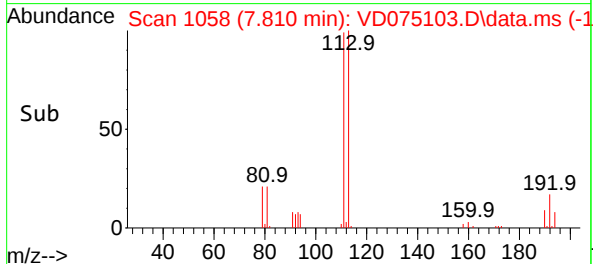
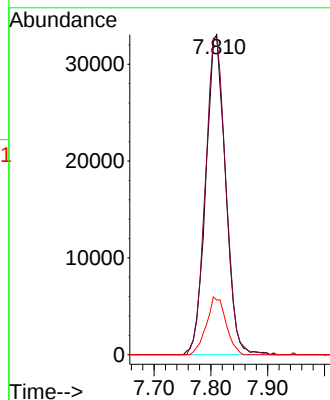
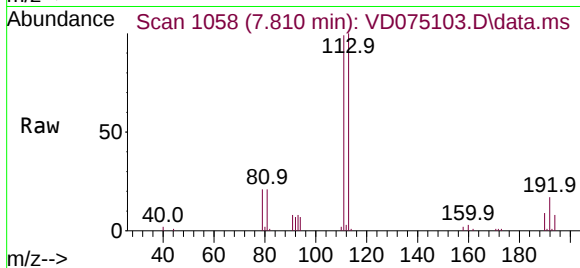
Tgt Ion:113 Resp: 79560

Ion Ratio Lower Upper

113 100

111 102.5 83.2 124.8

192 17.9 15.0 22.6



#36

1,1-Dichloropropene

Concen: 5.036 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD075103.D

Acq: 10 Jan 2023 13:34

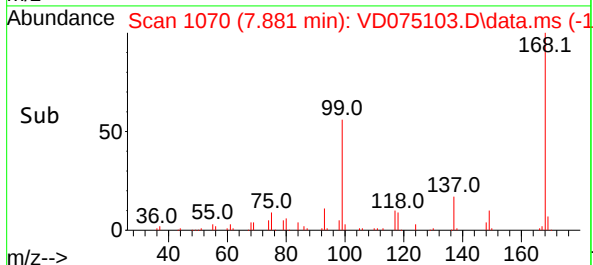
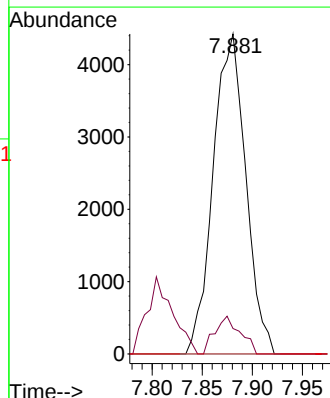
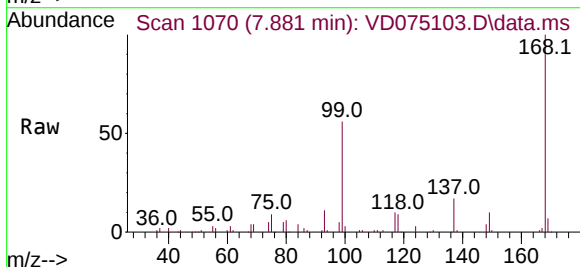
Tgt Ion: 75 Resp: 10001

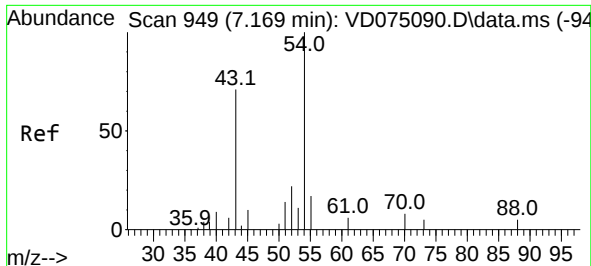
Ion Ratio Lower Upper

75 100

110 9.2 18.8 56.3#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: Below Cal

RT: 7.092 min Scan# 91

Delta R.T. -0.077 min

Lab File: VD075103.D

Acq: 10 Jan 2023 13:34

Instrument :

MSVOA_D

ClientSampleId :

B-3-(10-12)

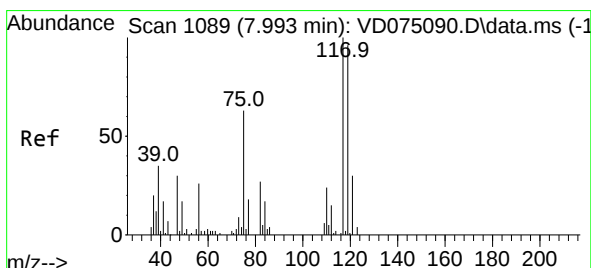
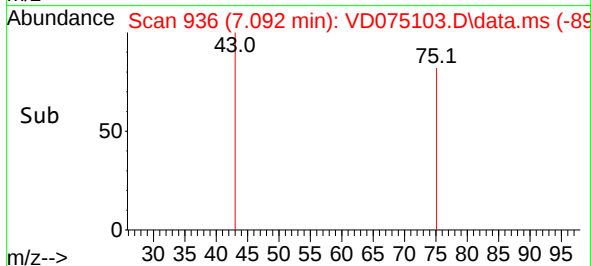
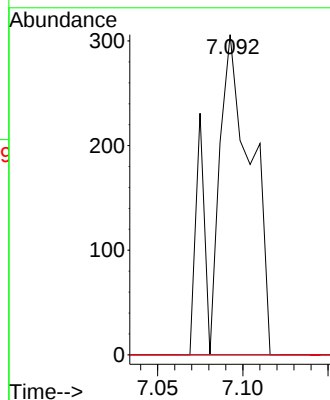
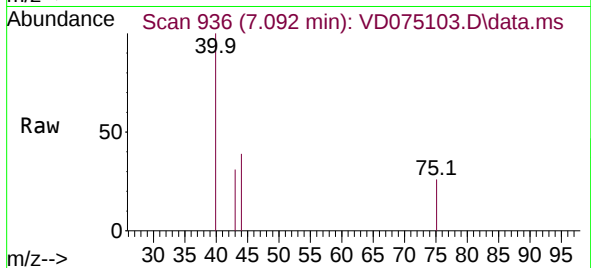
Tgt Ion: 43 Resp: 469

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 7.071 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075103.D

Acq: 10 Jan 2023 13:34

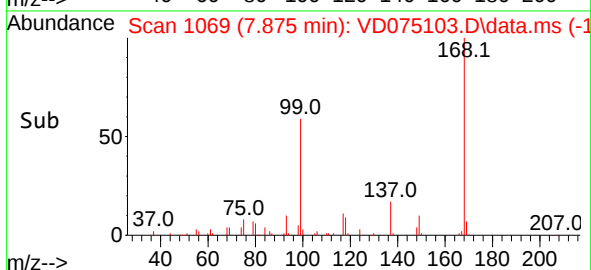
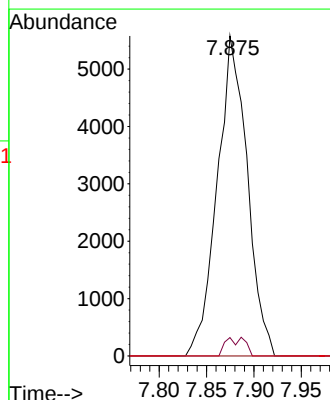
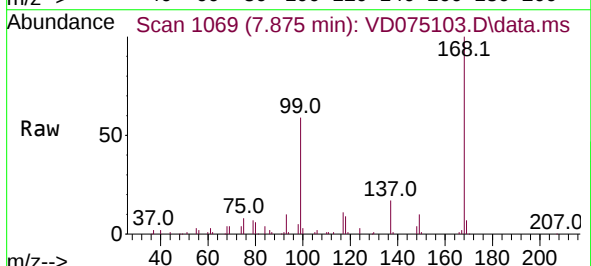
Tgt Ion: 117 Resp: 12303

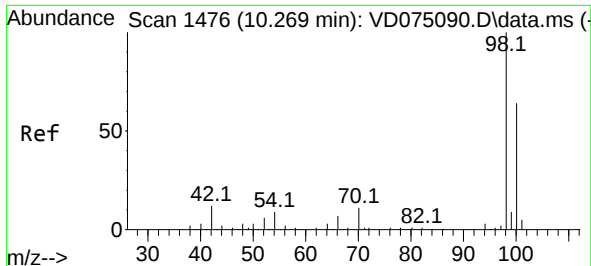
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 23.8 35.8#

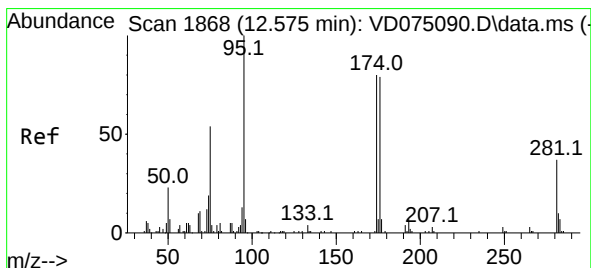
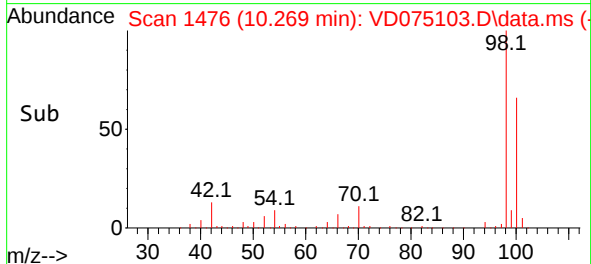
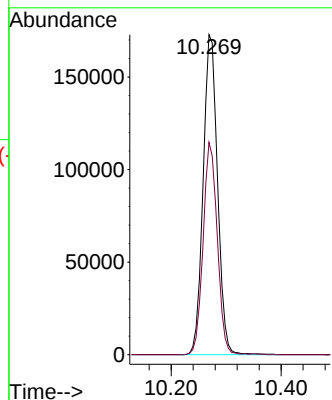
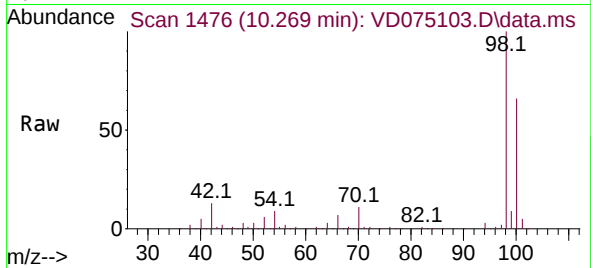




#50
Toluene-d8
Concen: 49.408 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

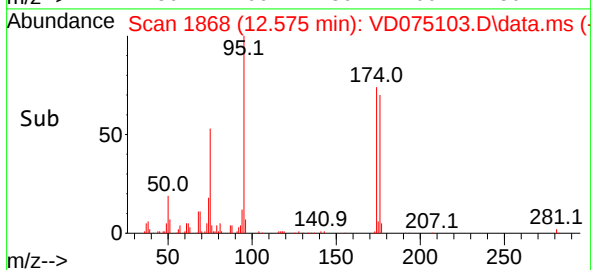
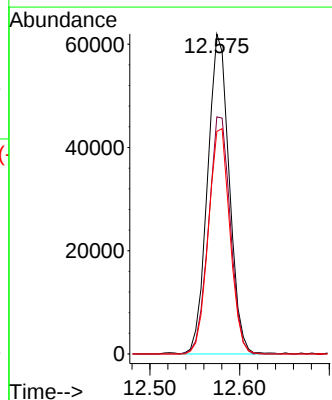
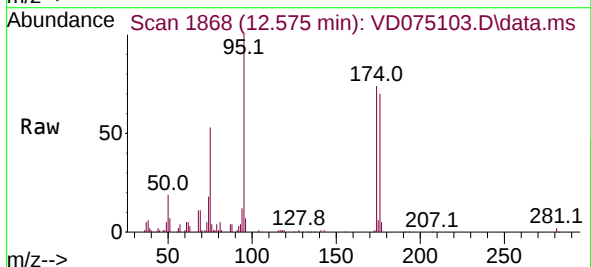
Instrument :
MSVOA_D
ClientSampleId :
B-3-(10-12)

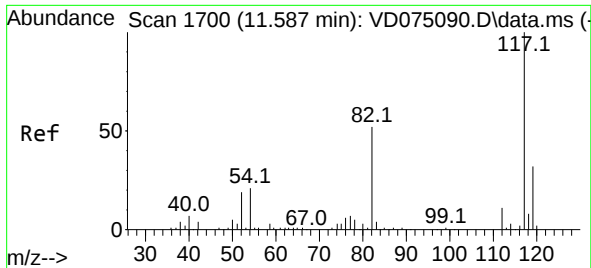
Tgt Ion: 98 Resp: 314456
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 50.755 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

Tgt Ion: 95 Resp: 103683
Ion Ratio Lower Upper
95 100
174 74.7 0.0 168.4
176 70.0 0.0 163.8

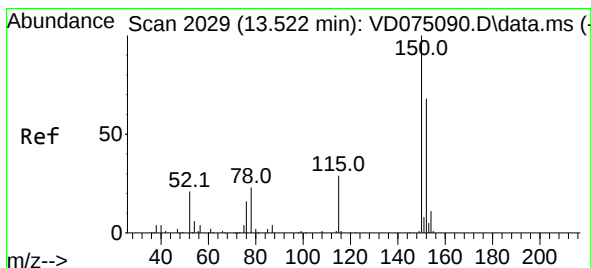
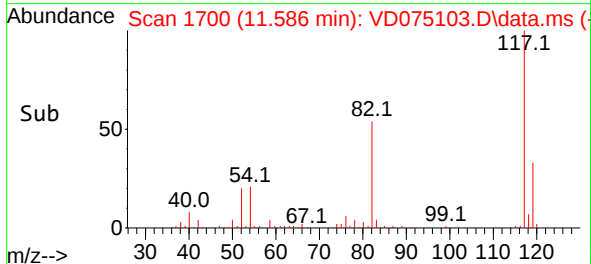
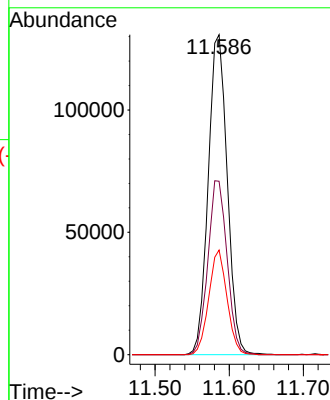
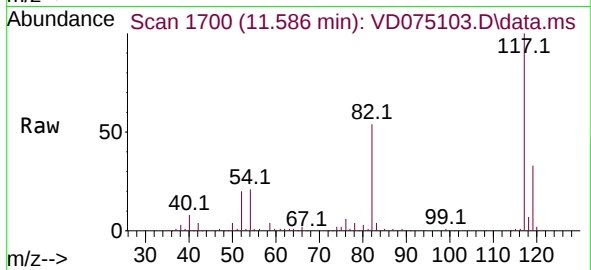




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

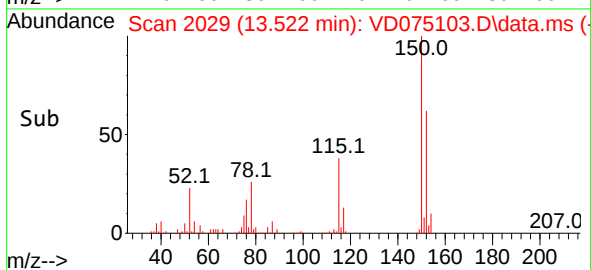
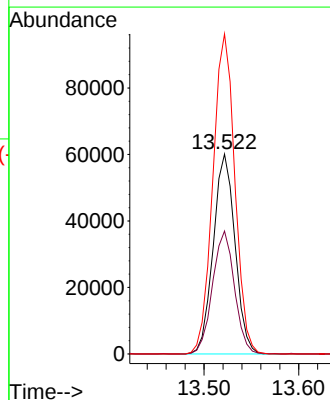
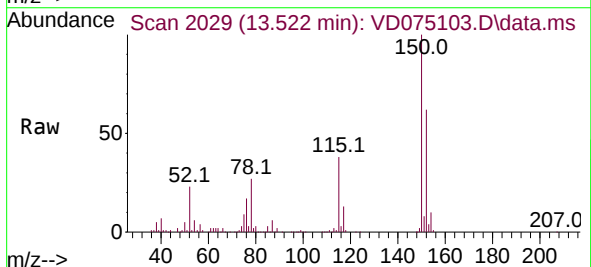
Instrument :
MSVOA_D
ClientSampleId :
B-3-(10-12)

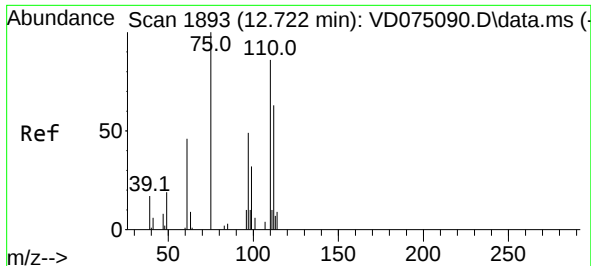
Tgt Ion:117 Resp: 233146
Ion Ratio Lower Upper
117 100
82 54.2 41.3 61.9
119 32.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

Tgt Ion:152 Resp: 95865
Ion Ratio Lower Upper
152 100
115 62.1 28.7 86.1
150 161.6 0.0 343.2

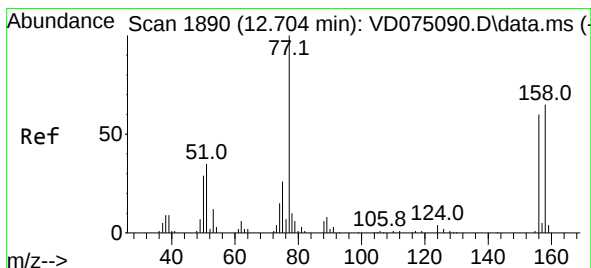
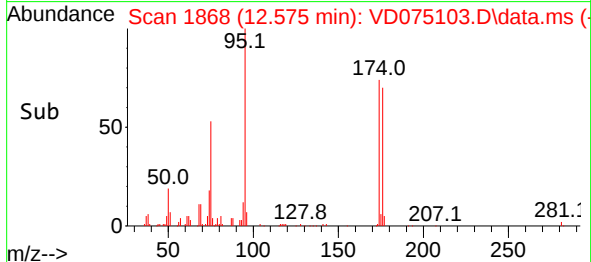
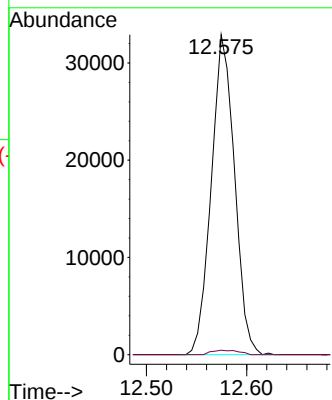
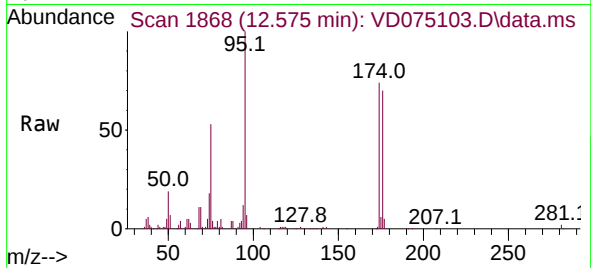




#76
1,2,3-Trichloropropane
Concen: 58.000 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.147 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

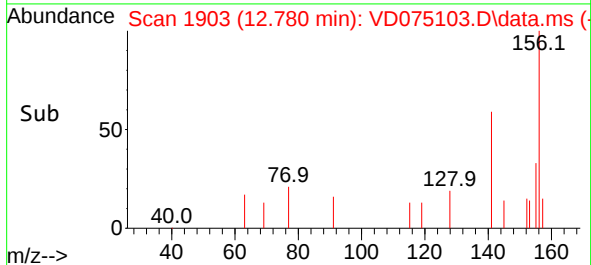
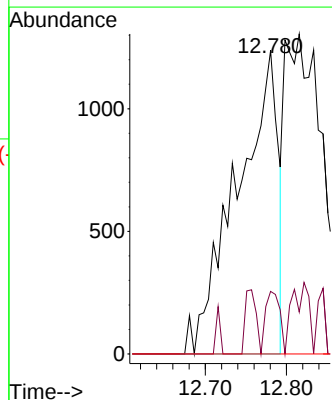
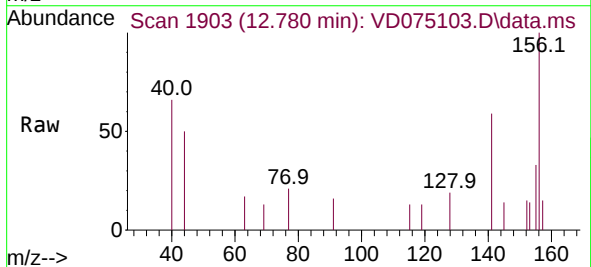
Instrument :
MSVOA_D
ClientSampleId :
B-3-(10-12)

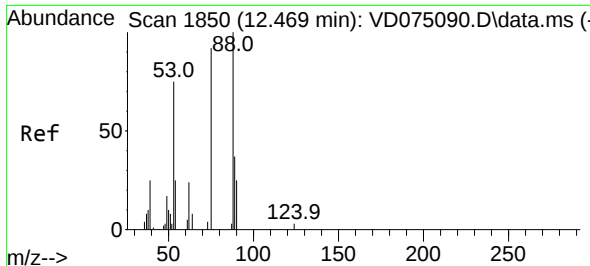
Tgt Ion: 75 Resp: 53054
Ion Ratio Lower Upper
75 100
77 1.6 149.0 447.1#



#77
Bromobenzene
Concen: 2.740 ug/l
RT: 12.780 min Scan# 1903
Delta R.T. 0.076 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

Tgt Ion: 156 Resp: 4299
Ion Ratio Lower Upper
156 100
77 7.1 90.8 272.5#
158 0.0 49.4 148.0#

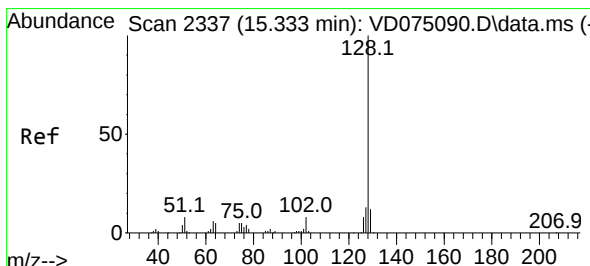
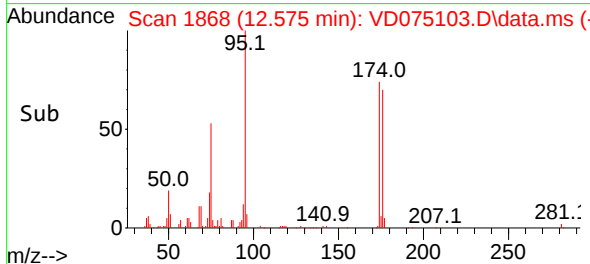
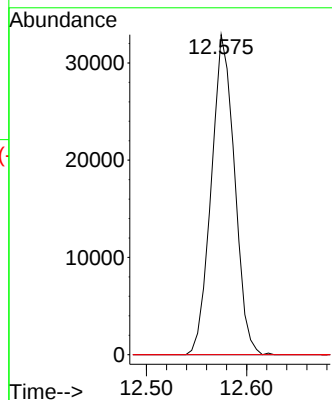
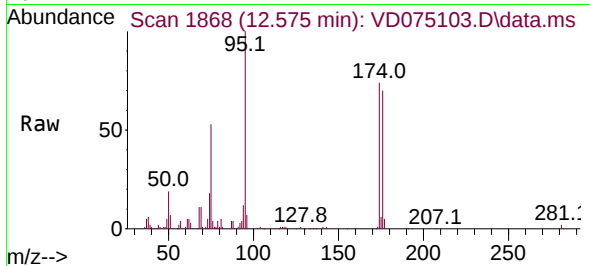




#81
trans-1,4-Dichloro-2-butene
Concen: 154.034 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

Instrument :
MSVOA_D
ClientSampleId :
B-3-(10-12)

Tgt Ion: 75 Resp: 53054
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 33.4 50.0#



#95
Naphthalene
Concen: 1.457 ug/l
RT: 15.333 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VD075103.D
Acq: 10 Jan 2023 13:34

Tgt Ion:128 Resp: 5172
Ion Ratio Lower Upper
128 100
127 15.8 10.3 15.5#
129 10.6 8.9 13.3

