

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075109.D
 Acq On : 10 Jan 2023 17:07
 Operator : KP/SY
 Sample : 01094-01
 Misc : 6.79G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-A

Quant Time: Jan 11 01:51:24 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)

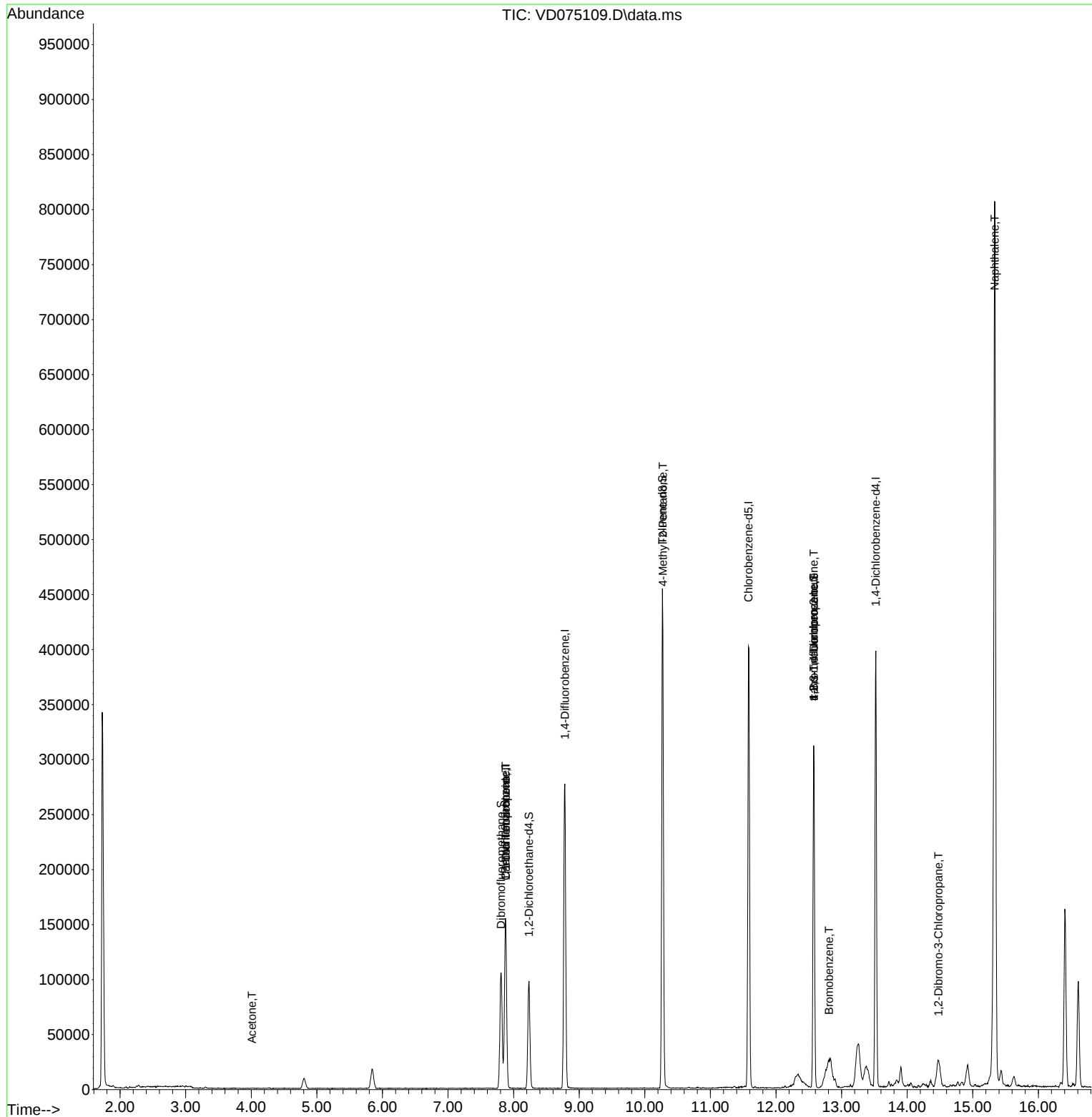
Internal Standards						
1) Pentafluorobenzene	7.875	168	117330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	252358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	234574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	100453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75887	64.514	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.020%	
35) Dibromofluoromethane	7.810	113	78914	49.713	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.420%	
50) Toluene-d8	10.269	98	309330	49.146	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.575	95	104415	51.684	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.360%	
Target Compounds						
						Qvalue
3) Chloromethane	2.146	50	290	Below Cal	#	43
5) Bromomethane	2.711	94	198	Below Cal	#	39
16) Acetone	4.011	43	428	1.536	ug/l #	39
17) Carbon Disulfide	4.264	76	775	Below Cal	#	78
20) Methylene Chloride	4.799	84	7096	Below Cal		90
31) Cyclohexane	7.869	56	2750	Below Cal	#	1
36) 1,1-Dichloropropene	7.881	75	9396	4.784	ug/l #	48
38) Carbon Tetrachloride	7.881	117	12367	7.187	ug/l #	16
51) 4-Methyl-2-Pentanone	10.275	43	1566	1.641	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	53078	55.376	ug/l #	1
77) Bromobenzene	12.810	156	42108	25.609	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	53078	147.065	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.475	75	2232	10.782	ug/l #	1
95) Naphthalene	15.334	128	816250	219.398	ug/l	100

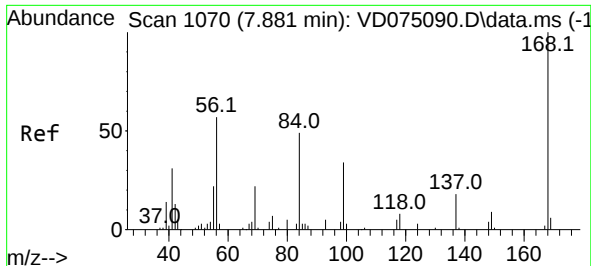
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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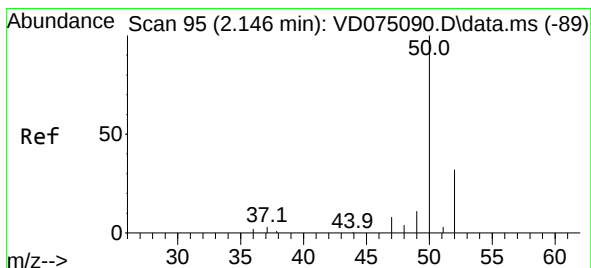
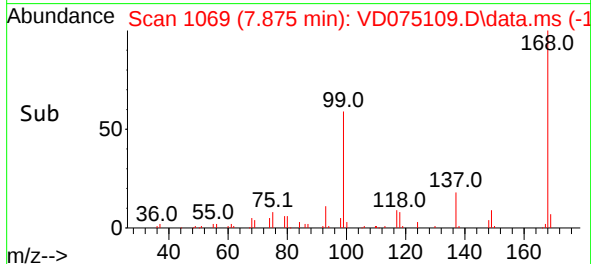
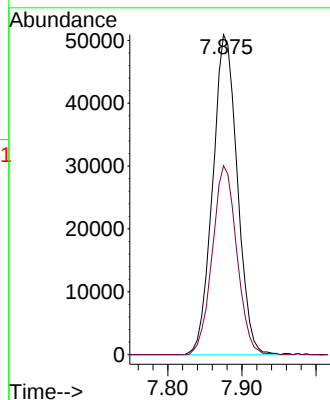
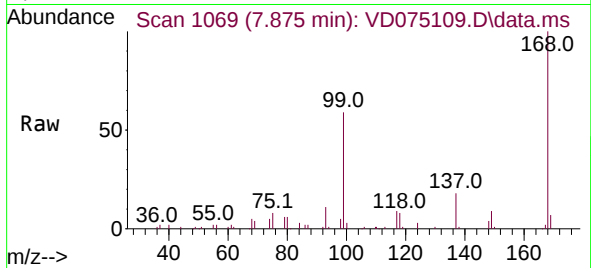




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

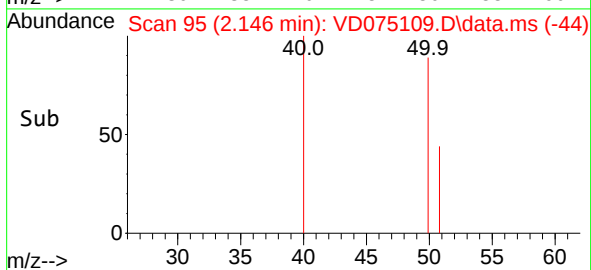
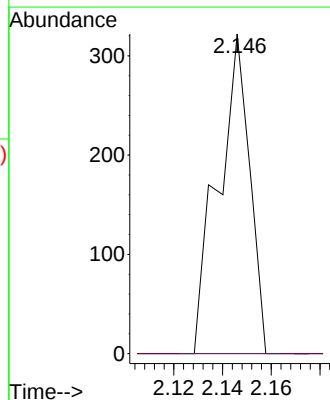
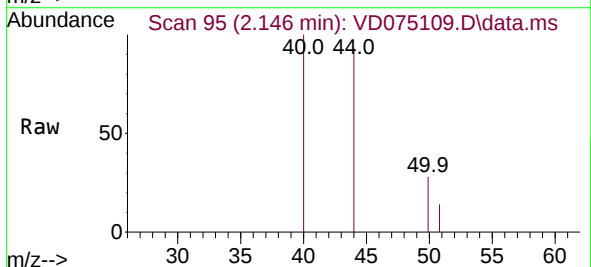
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A

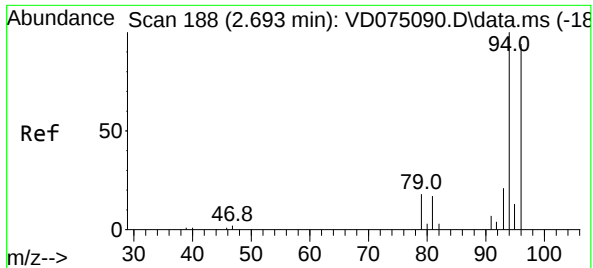
Tgt Ion:168 Resp: 117330
Ion Ratio Lower Upper
168 100
99 59.1 43.2 64.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

Tgt Ion: 50 Resp: 290
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

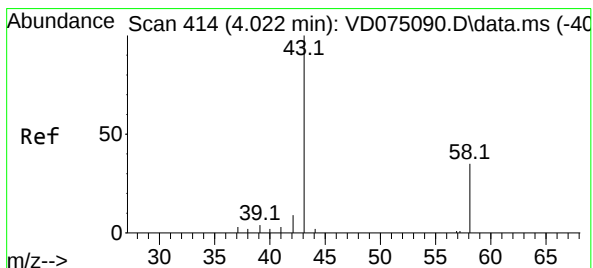
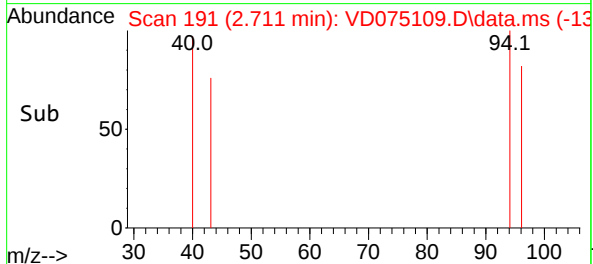
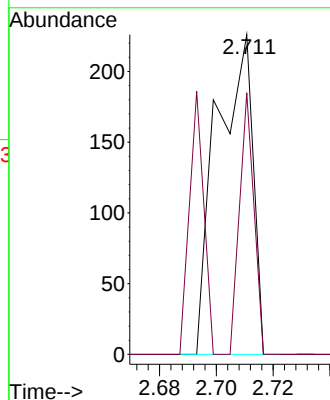
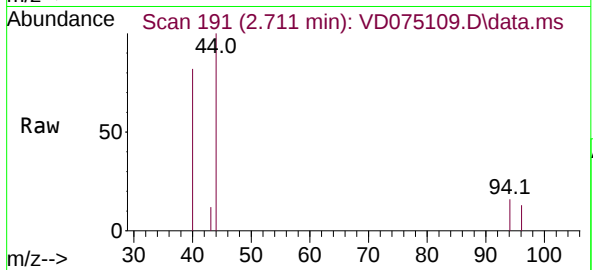




#5
Bromomethane
Concen: Below Cal
RT: 2.711 min Scan# 191
Delta R.T. 0.018 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

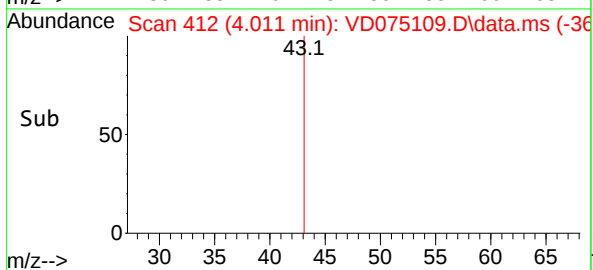
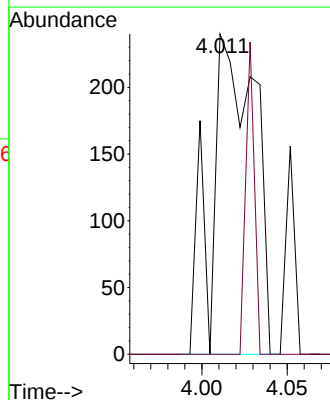
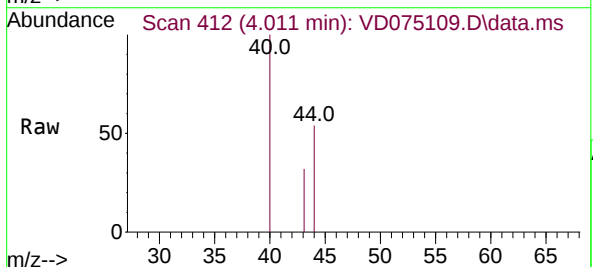
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A

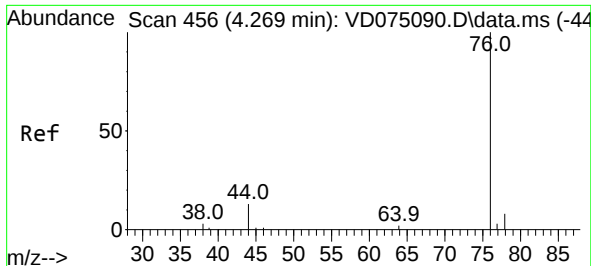
Tgt Ion: 94 Resp: 198
Ion Ratio Lower Upper
94 100
96 32.8 72.5 108.7#



#16
Acetone
Concen: 1.536 ug/l
RT: 4.011 min Scan# 412
Delta R.T. -0.012 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.264 min Scan# 41

Delta R.T. -0.005 min

Lab File: VD075109.D

Acq: 10 Jan 2023 17:07

Instrument :

MSVOA_D

ClientSampleId :

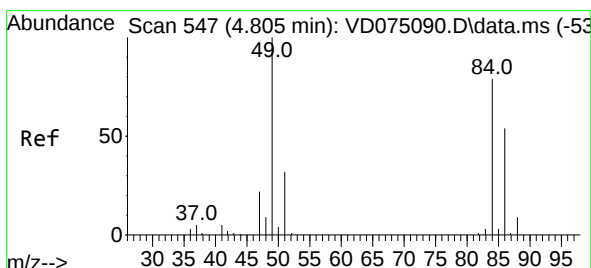
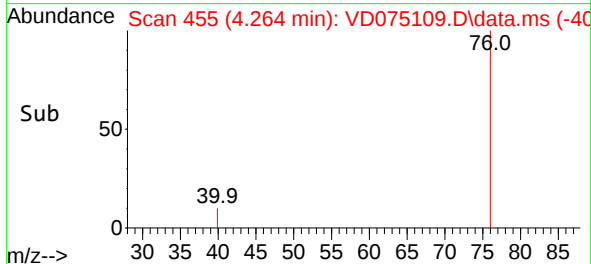
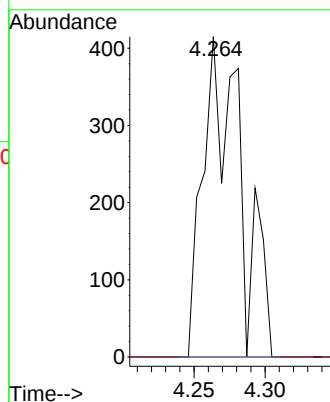
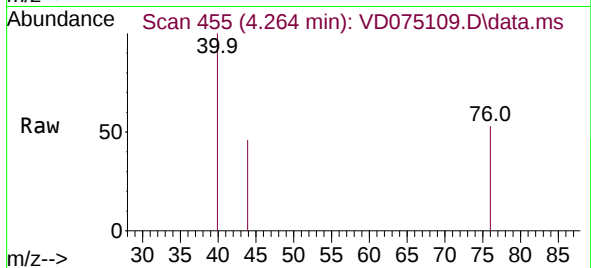
STOCKPILE-A

Tgt Ion: 76 Resp: 775

Ion Ratio Lower Upper

76 100

78 0.0 6.3 9.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.799 min Scan# 546

Delta R.T. -0.006 min

Lab File: VD075109.D

Acq: 10 Jan 2023 17:07

Tgt Ion: 84 Resp: 7096

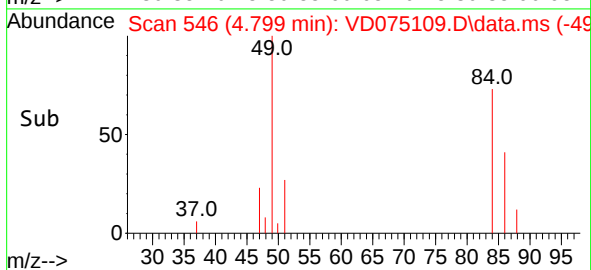
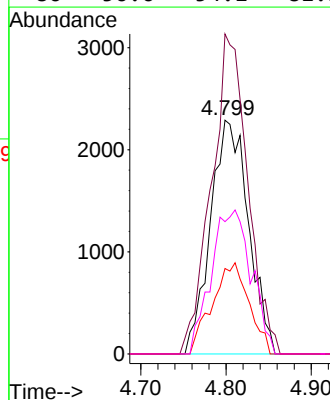
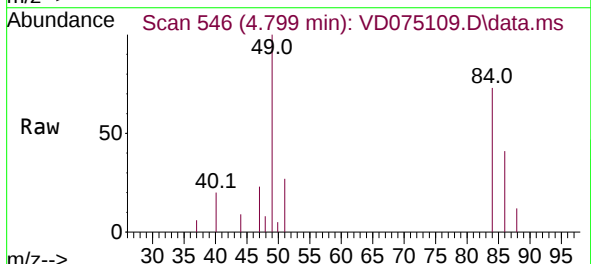
Ion Ratio Lower Upper

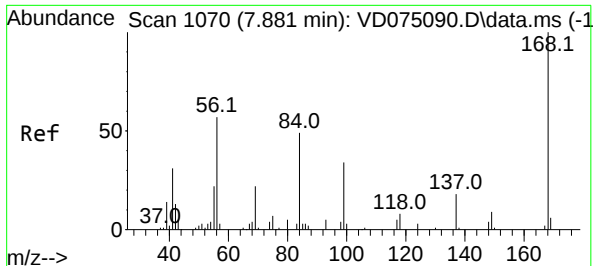
84 100

49 136.9 100.6 151.0

51 36.6 31.8 47.8

86 56.6 54.1 81.1

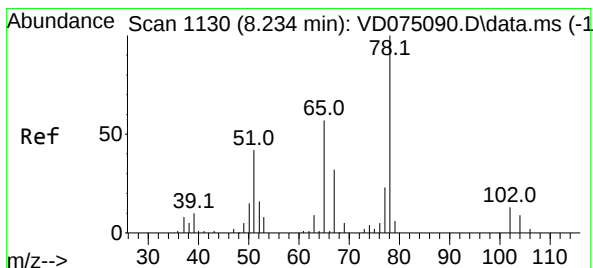
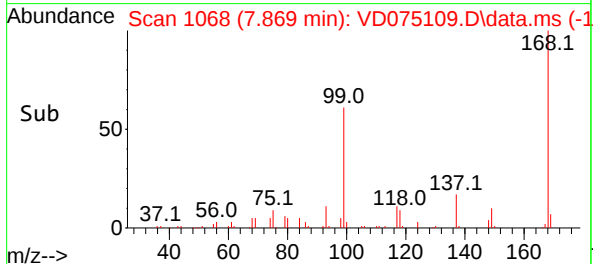
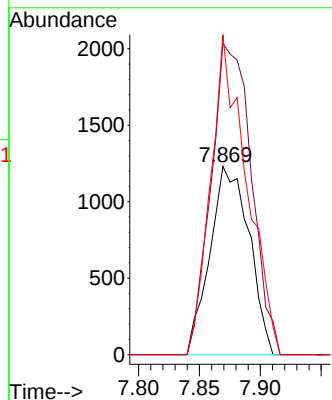
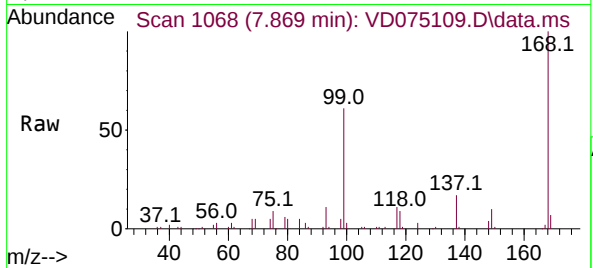




#31
Cyclohexane
Concen: Below Cal
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

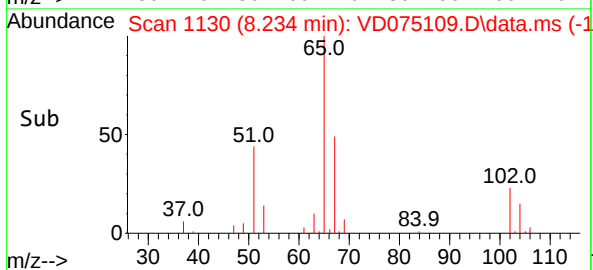
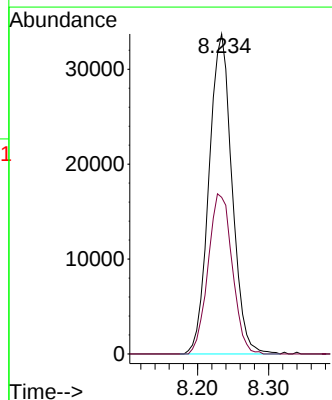
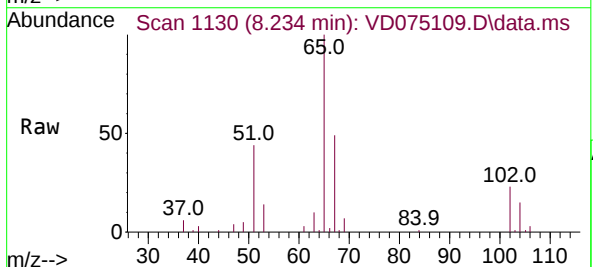
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A

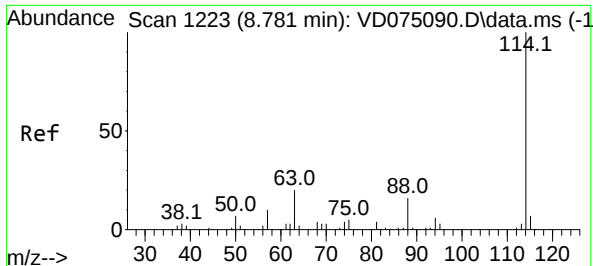
Tgt Ion: 56 Resp: 2750
Ion Ratio Lower Upper
56 100
69 165.2 30.4 45.6#
84 169.9 68.6 102.8#



#33
1,2-Dichloroethane-d4
Concen: 64.514 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

Tgt Ion: 65 Resp: 75887
Ion Ratio Lower Upper
65 100
67 52.4 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075109.D

Acq: 10 Jan 2023 17:07

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-A

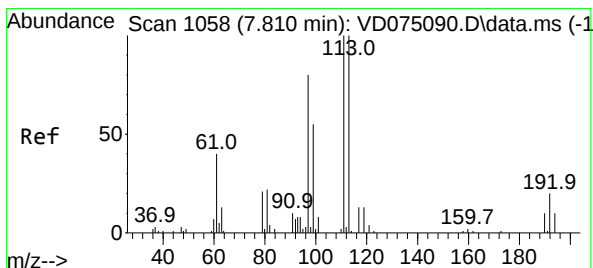
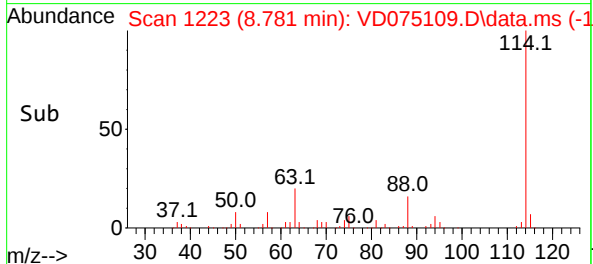
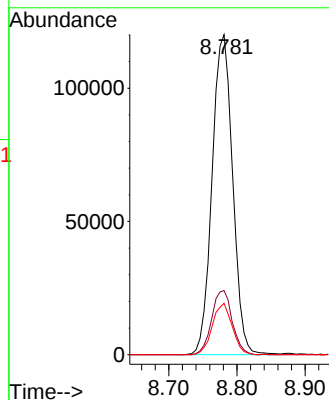
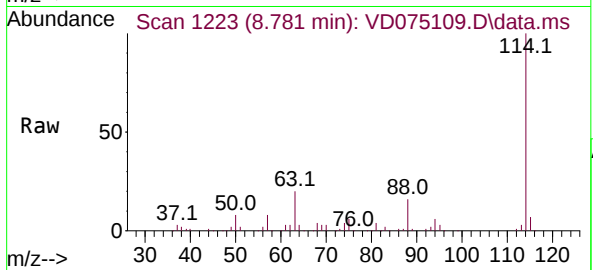
Tgt Ion:114 Resp: 252358

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 16.1 0.0 31.2



#35

Dibromofluoromethane

Concen: 49.713 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075109.D

Acq: 10 Jan 2023 17:07

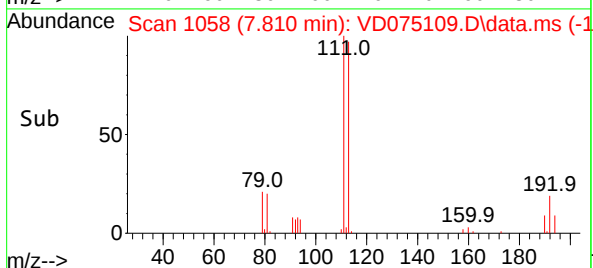
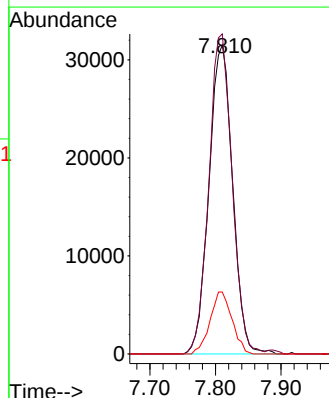
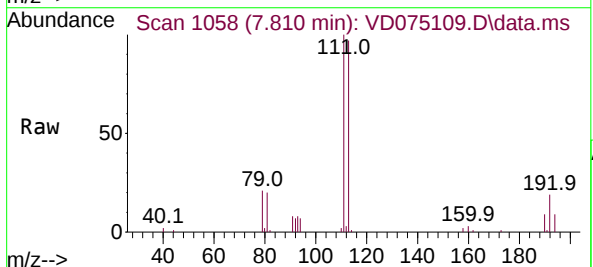
Tgt Ion:113 Resp: 78914

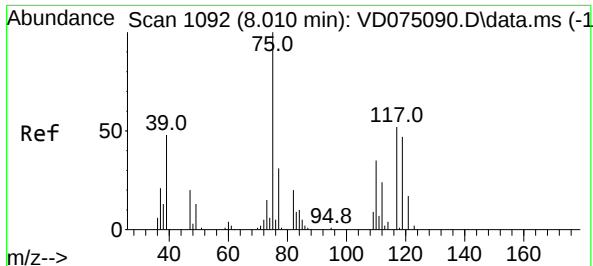
Ion Ratio Lower Upper

113 100

111 101.8 83.2 124.8

192 18.7 15.0 22.6





#36

1,1-Dichloropropene

Concen: 4.784 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD075109.D

Acq: 10 Jan 2023 17:07

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-A

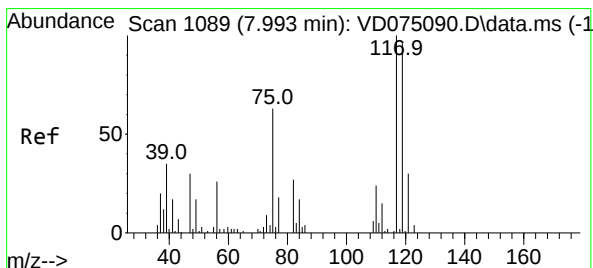
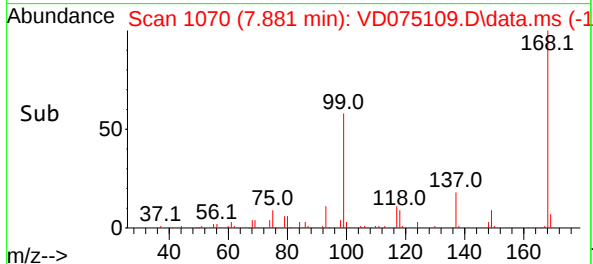
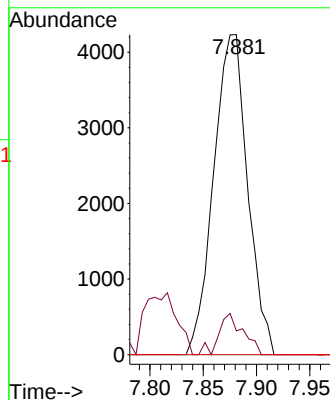
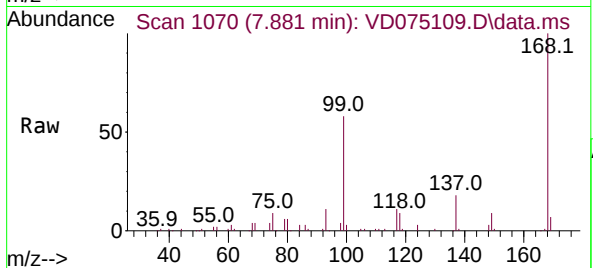
Tgt Ion: 75 Resp: 9396

Ion Ratio Lower Upper

75 100

110 9.2 18.8 56.3#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.187 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD075109.D

Acq: 10 Jan 2023 17:07

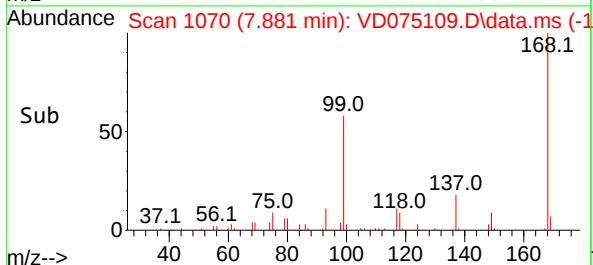
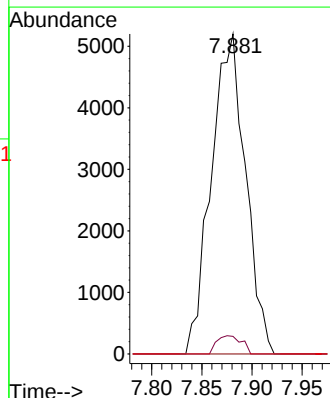
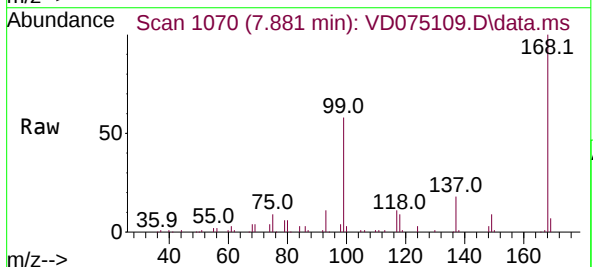
Tgt Ion: 117 Resp: 12367

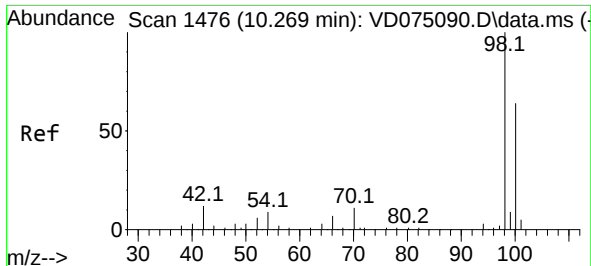
Ion Ratio Lower Upper

117 100

119 5.5 76.8 115.2#

121 0.0 23.8 35.8#

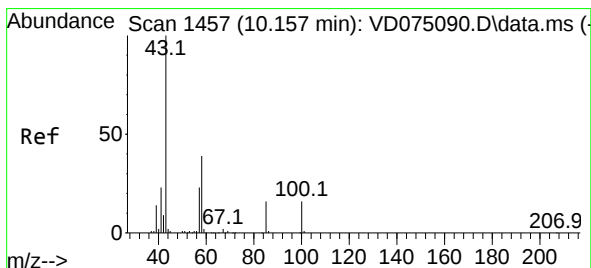
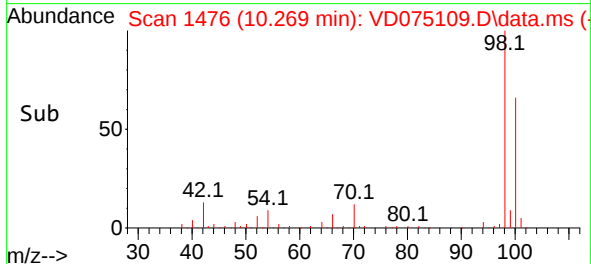
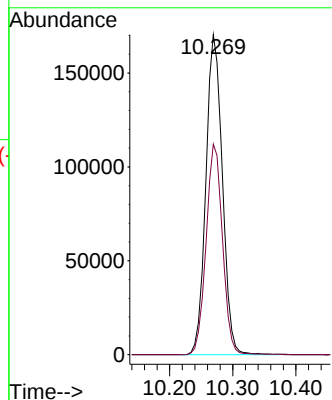
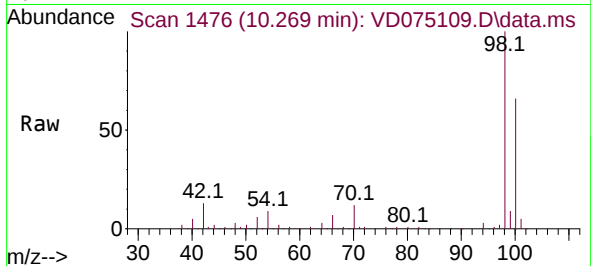




#50
Toluene-d8
Concen: 49.146 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

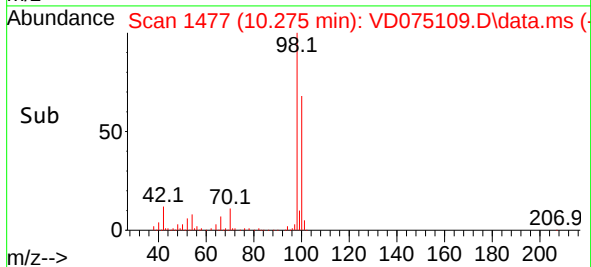
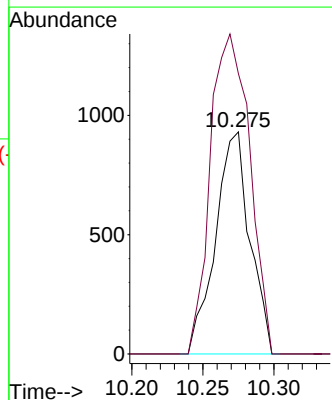
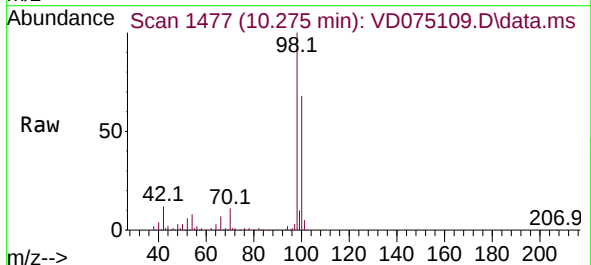
Instrument :
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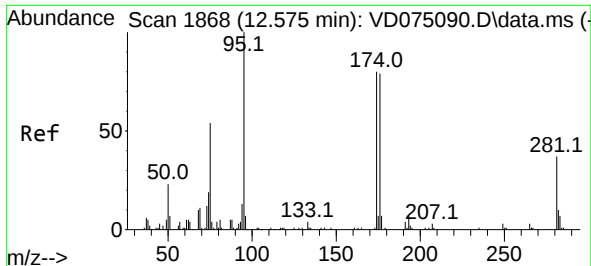
Tgt Ion: 98 Resp: 309330
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.641 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

Tgt Ion: 43 Resp: 1566
Ion Ratio Lower Upper
43 100
58 165.3 31.0 46.4#

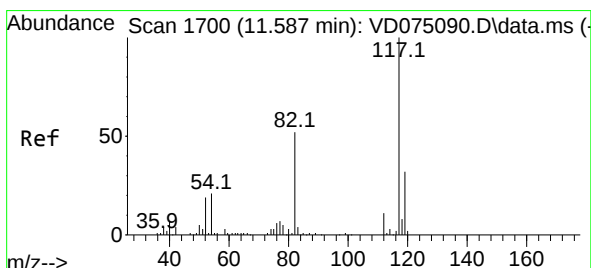
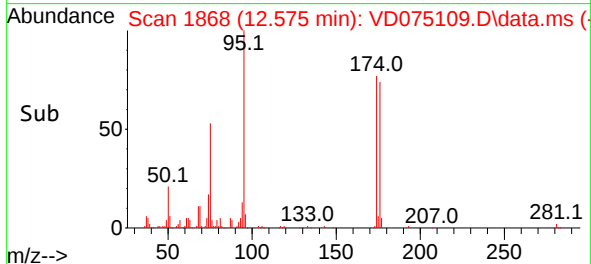
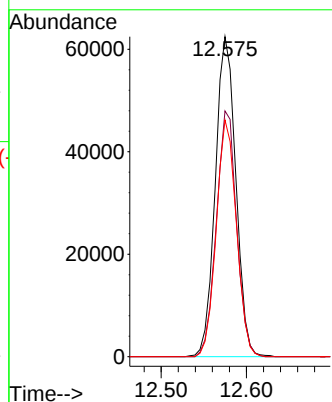
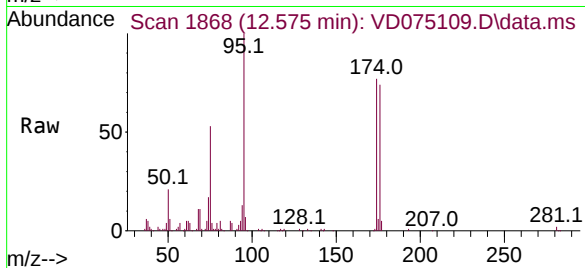




#62
4-Bromofluorobenzene
Concen: 51.684 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

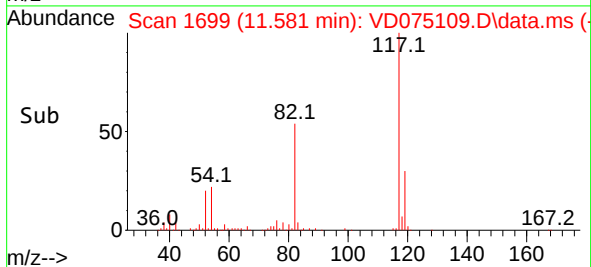
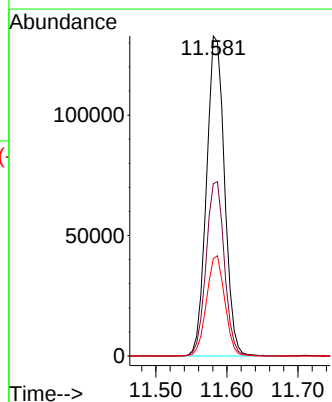
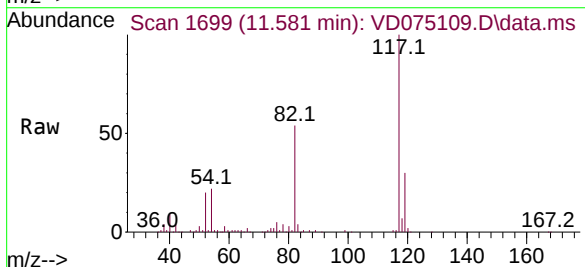
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A

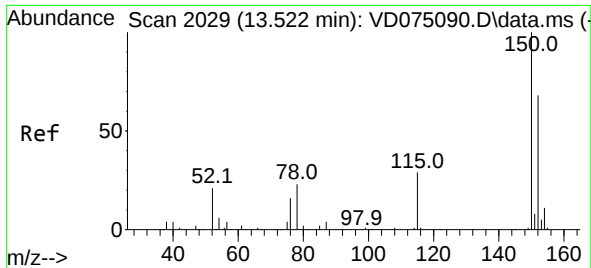
Tgt Ion: 95 Resp: 104415
Ion Ratio Lower Upper
95 100
174 75.7 0.0 168.4
176 72.6 0.0 163.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

Tgt Ion: 117 Resp: 234574
Ion Ratio Lower Upper
117 100
82 53.8 41.3 61.9
119 30.5 25.8 38.6

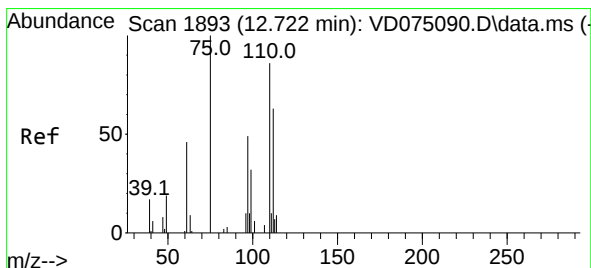
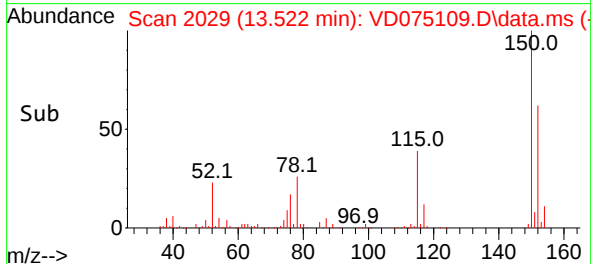
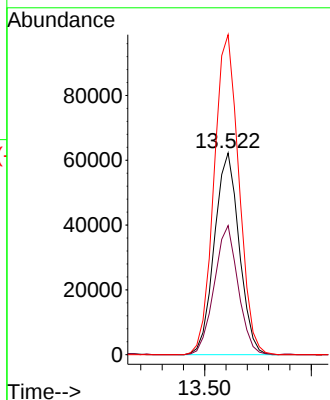
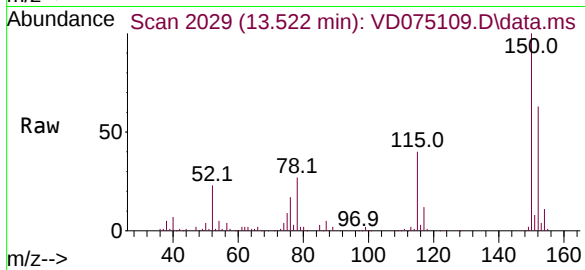




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: VD075109.D
 Acq: 10 Jan 2023 17:07

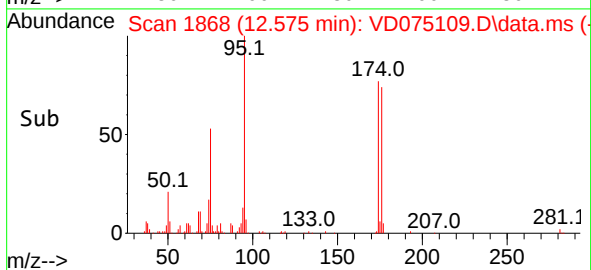
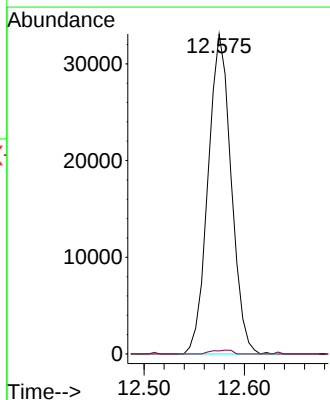
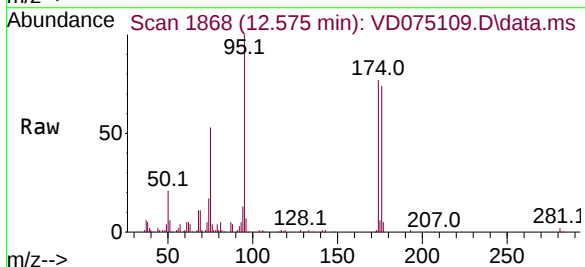
Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-A

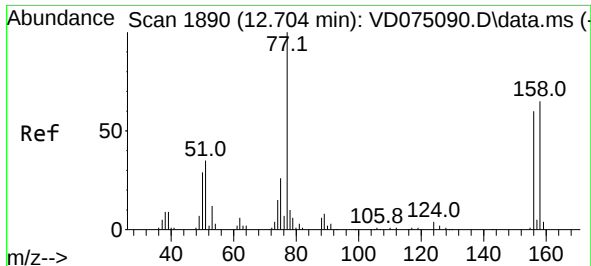
Tgt Ion:152 Resp: 100453
 Ion Ratio Lower Upper
 152 100
 115 61.7 28.7 86.1
 150 159.0 0.0 343.2



#76
 1,2,3-Trichloropropane
 Concen: 55.376 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD075109.D
 Acq: 10 Jan 2023 17:07

Tgt Ion: 75 Resp: 53078
 Ion Ratio Lower Upper
 75 100
 77 1.1 149.0 447.1#

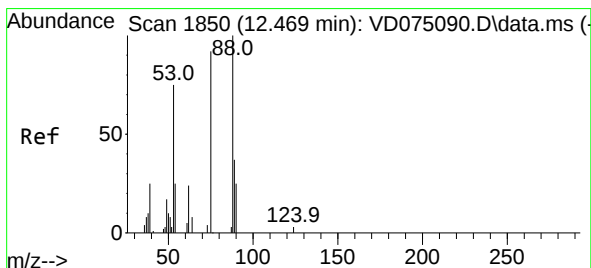
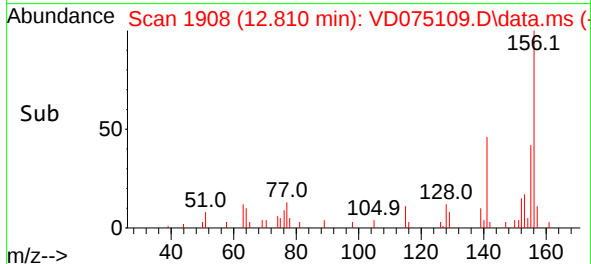
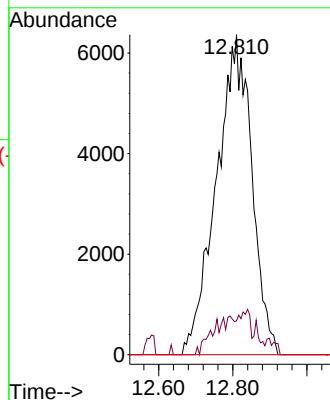
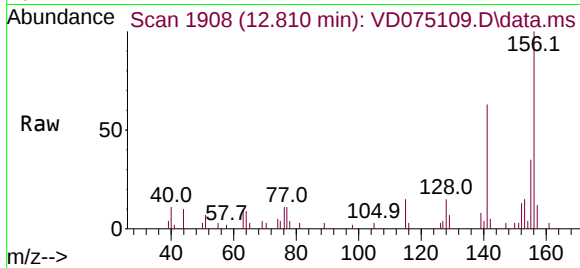




#77
Bromobenzene
Concen: 25.609 ug/l
RT: 12.810 min Scan# 1908
Delta R.T. 0.106 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

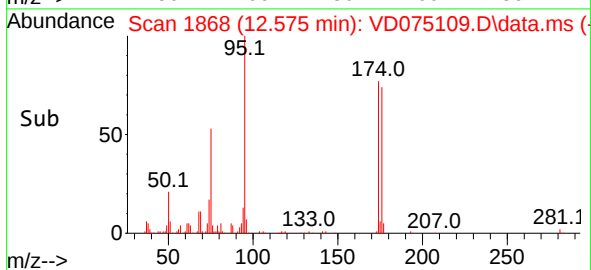
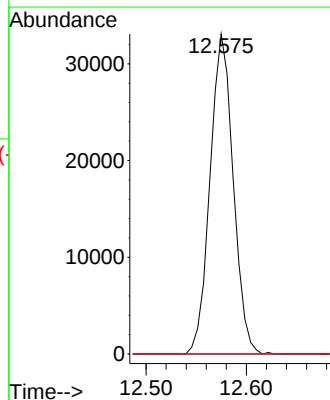
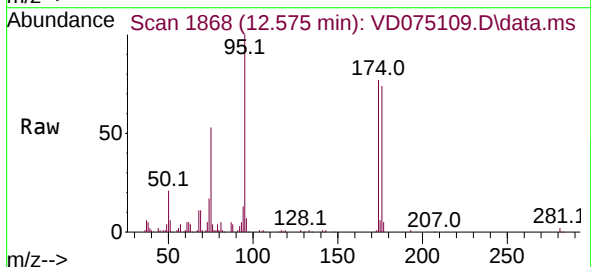
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A

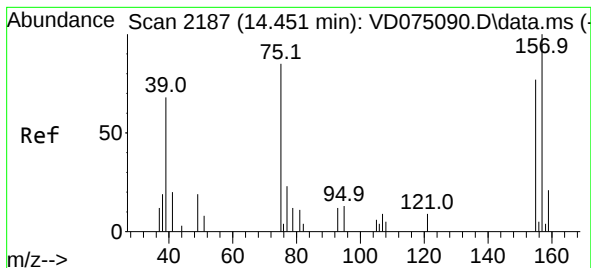
Tgt Ion:156 Resp: 42108
Ion Ratio Lower Upper
156 100
77 0.7 90.8 272.5#
158 0.0 49.4 148.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 147.065 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

Tgt Ion: 75 Resp: 53078
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 33.4 50.0#

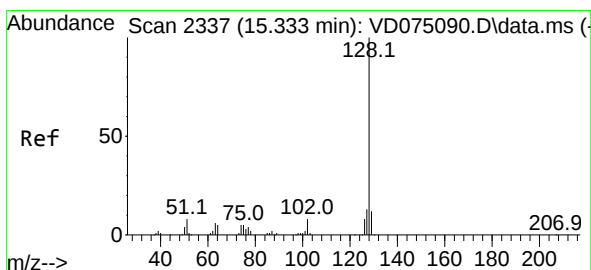
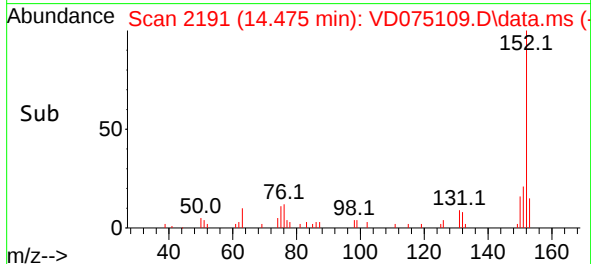
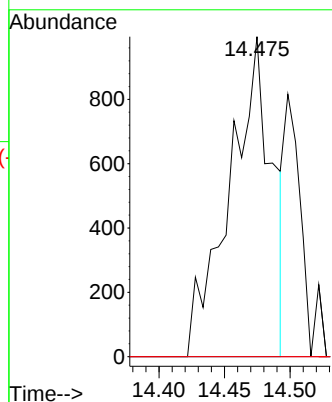
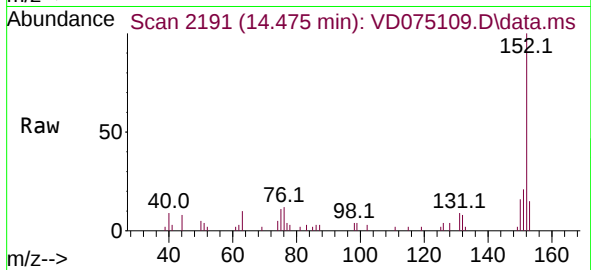




#92
1,2-Dibromo-3-Chloropropane
Concen: 10.782 ug/l
RT: 14.475 min Scan# 2187
Delta R.T. 0.024 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A

Tgt Ion: 75 Resp: 2232
Ion Ratio Lower Upper
75 100
155 0.0 45.4 136.2#
157 0.0 60.1 180.2#



#95
Naphthalene
Concen: 219.398 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD075109.D
Acq: 10 Jan 2023 17:07

Tgt Ion: 128 Resp: 816250
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.9 8.9 13.3

