

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075110.D
 Acq On : 10 Jan 2023 17:35
 Operator : KP/SY
 Sample : 01094-02
 Misc : 6.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-A-2

Quant Time: Jan 11 01:51:43 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)

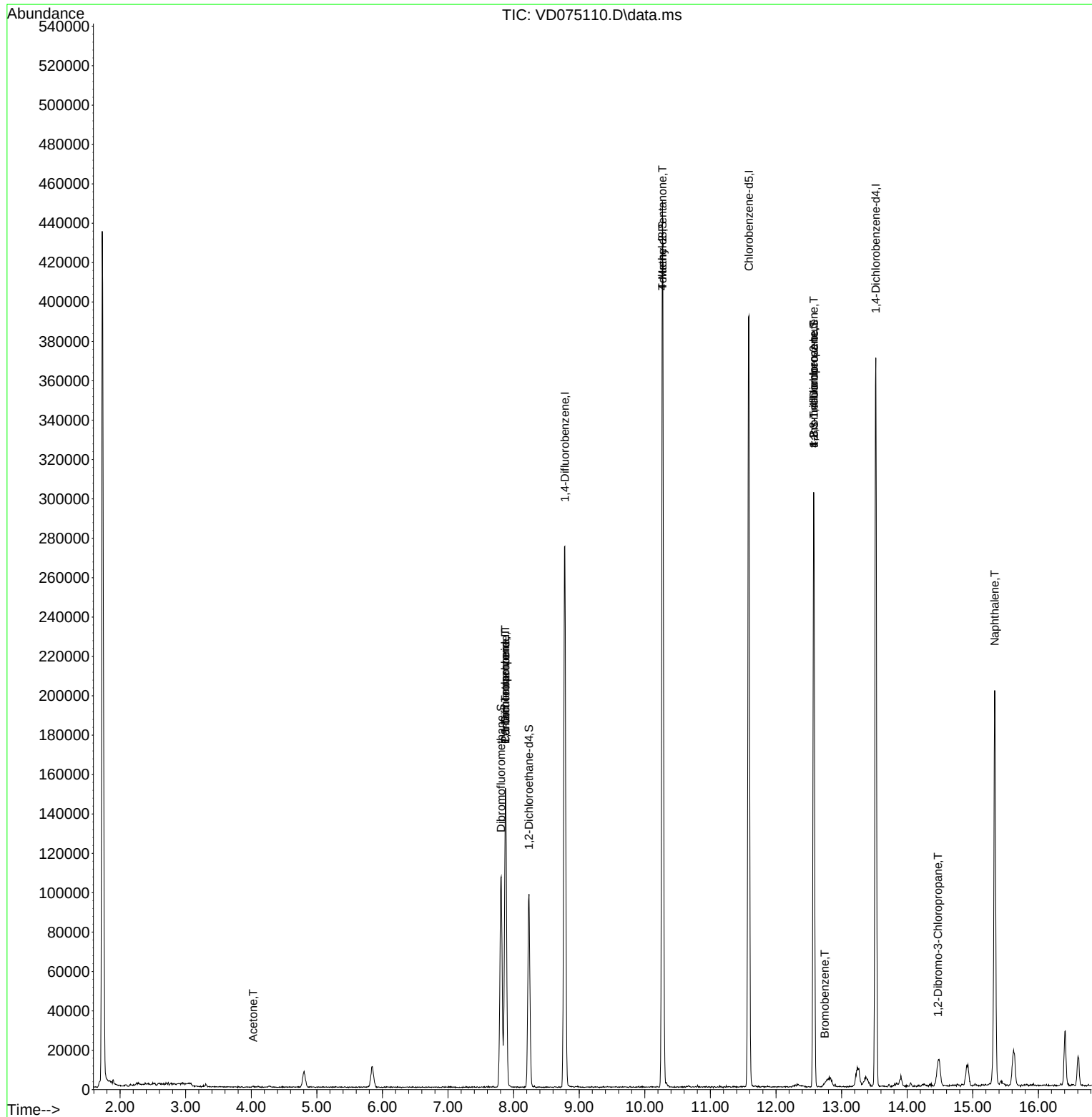
Internal Standards						
1) Pentafluorobenzene	7.875	168	112947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	249514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	228034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	97307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75984	67.103	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.200%
35) Dibromofluoromethane	7.810	113	79596	50.714	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.420%
50) Toluene-d8	10.269	98	306374	49.231	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.575	95	101106	50.617	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	330	Below Cal	#	68
5) Bromomethane	2.705	94	72	Below Cal	#	1
16) Acetone	4.028	43	530	1.975	ug/l #	39
17) Carbon Disulfide	4.264	76	1015	Below Cal	#	78
20) Methylene Chloride	4.805	84	5936	Below Cal		90
31) Cyclohexane	7.875	56	2748	Below Cal	#	1
36) 1,1-Dichloropropene	7.875	75	9737	5.014	ug/l #	47
37) Ethyl Acetate	7.105	43	59	Below Cal	#	68
38) Carbon Tetrachloride	7.875	117	11598	6.817	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	1271	1.347	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	52468	56.510	ug/l #	1
77) Bromobenzene	12.746	156	1923	1.207	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	52468	150.075	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.469	75	1966	9.804	ug/l #	1
95) Naphthalene	15.334	128	187742	52.094	ug/l	99

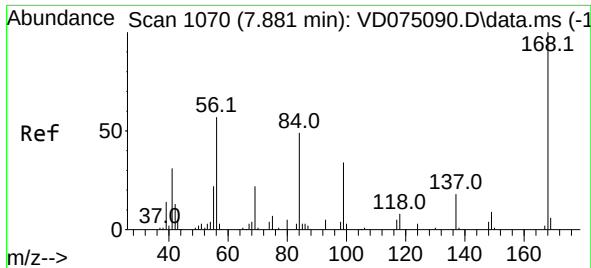
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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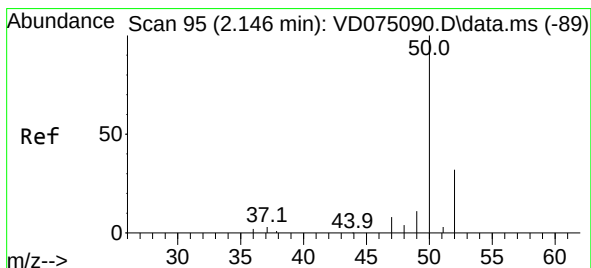
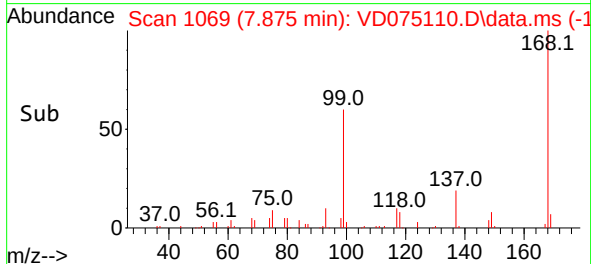
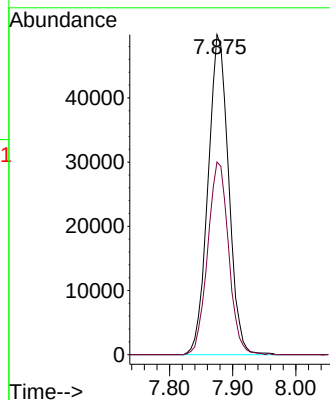
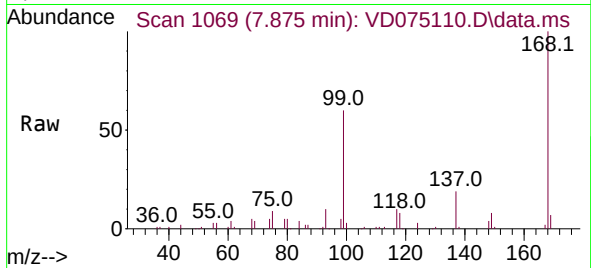




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

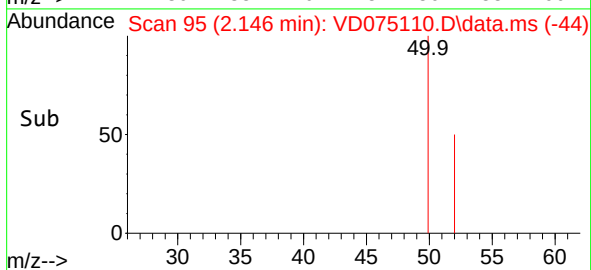
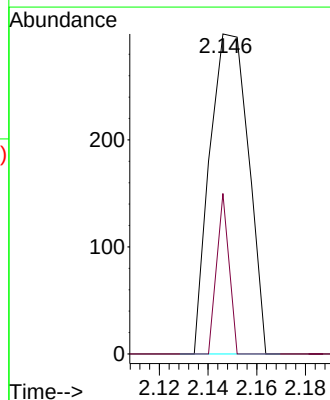
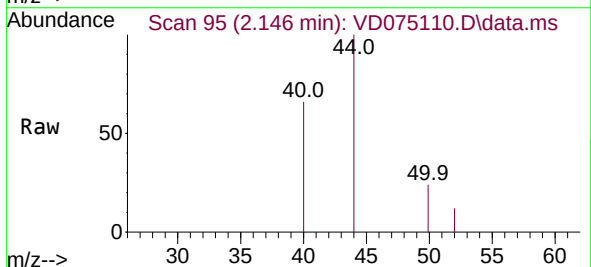
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A-2

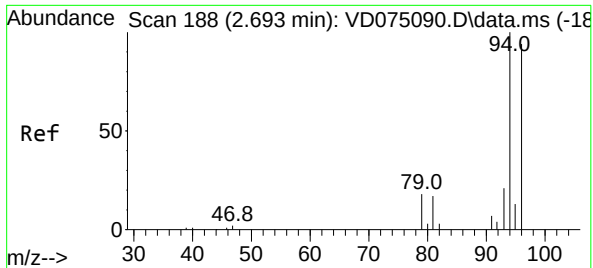
Tgt Ion:168 Resp: 112947
Ion Ratio Lower Upper
168 100
99 60.2 43.2 64.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

Tgt Ion: 50 Resp: 330
Ion Ratio Lower Upper
50 100
52 50.2 25.7 38.5#

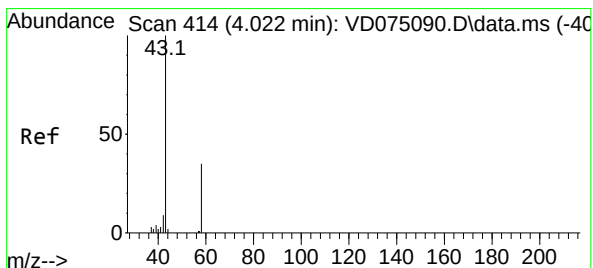
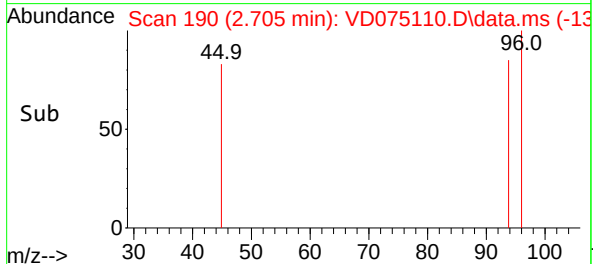
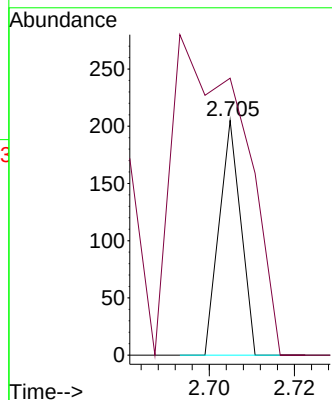
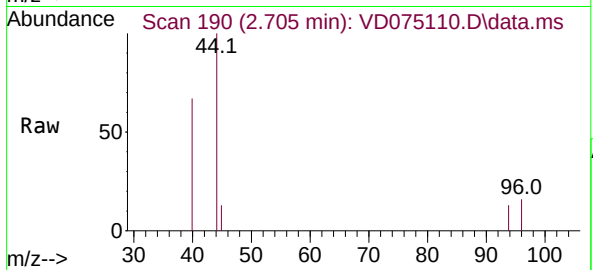




#5
Bromomethane
Concen: Below Cal
RT: 2.705 min Scan# 190
Delta R.T. 0.012 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

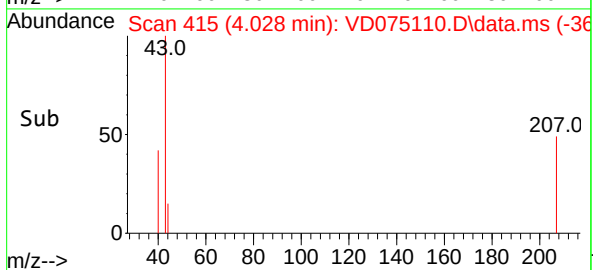
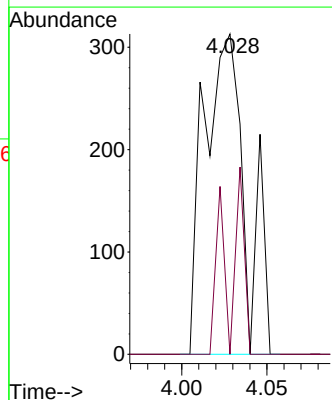
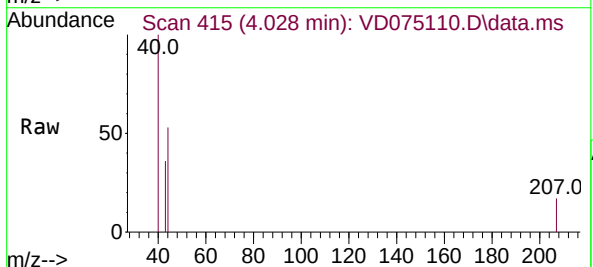
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A-2

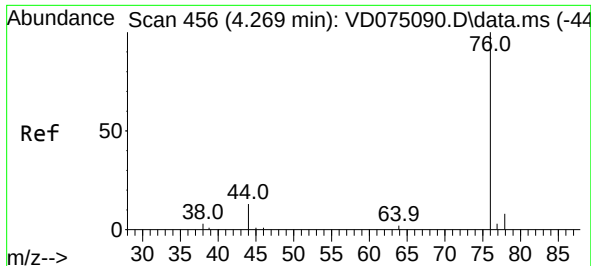
Tgt Ion: 94 Resp: 72
Ion Ratio Lower Upper
94 100
96 529.2 72.5 108.7#



#16
Acetone
Concen: 1.975 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
58 0.0 28.3 42.5#

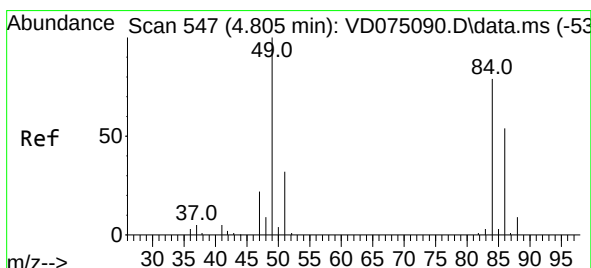
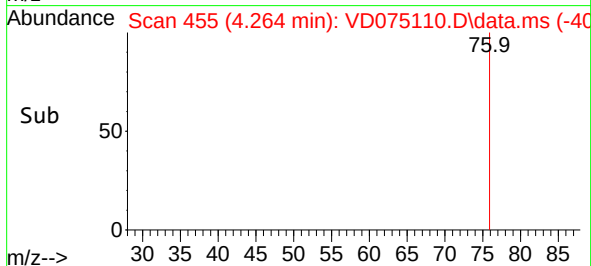
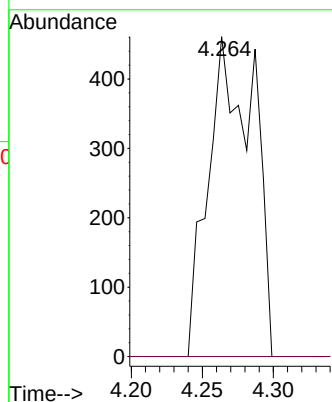
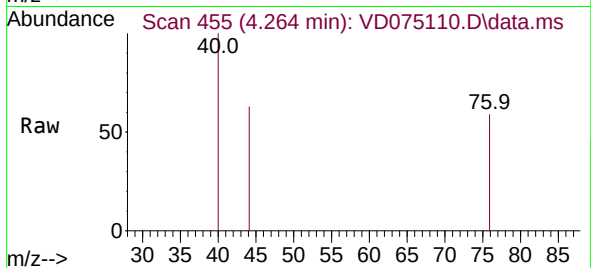




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.264 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

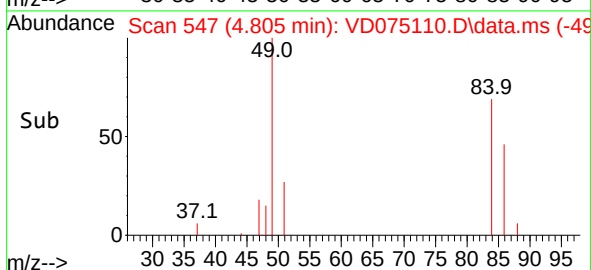
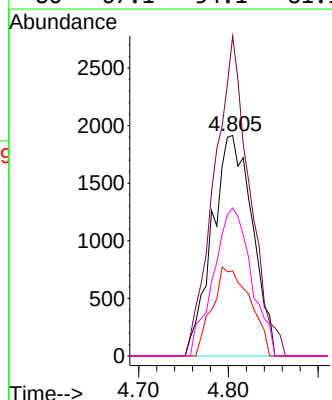
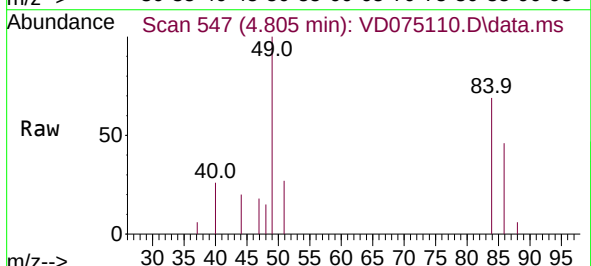
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A-2

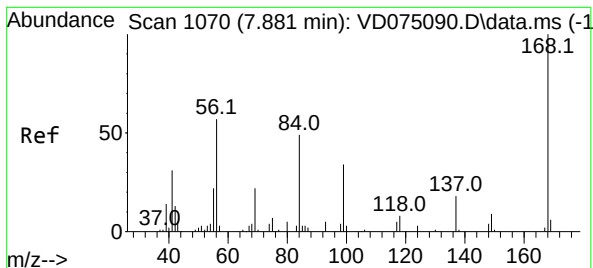
Tgt Ion: 76 Resp: 1015
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

Tgt Ion: 84 Resp: 5936
Ion Ratio Lower Upper
84 100
49 145.1 100.6 151.0
51 38.6 31.8 47.8
86 67.1 54.1 81.1





#31

Cyclohexane

Concen: Below Cal

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD075110.D

Acq: 10 Jan 2023 17:35

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-A-2

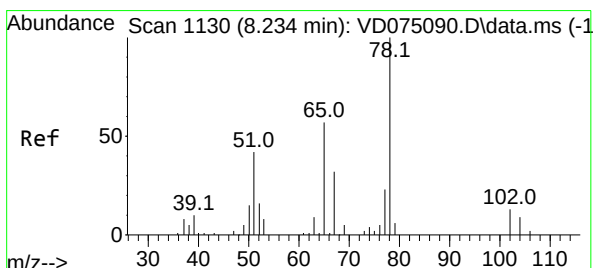
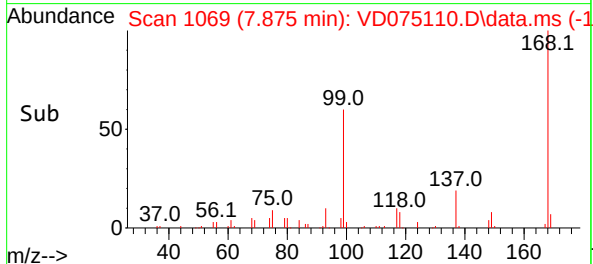
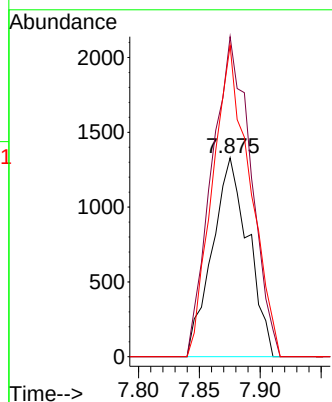
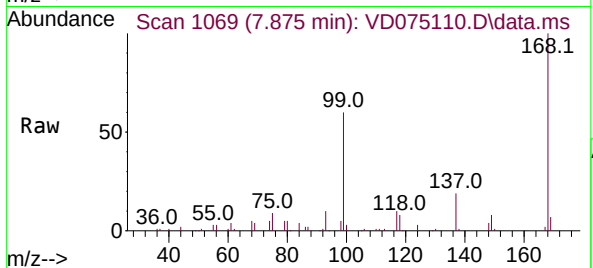
Tgt Ion: 56 Resp: 2748

Ion Ratio Lower Upper

56 100

69 160.8 30.4 45.6#

84 156.4 68.6 102.8#



#33

1,2-Dichloroethane-d4

Concen: 67.103 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD075110.D

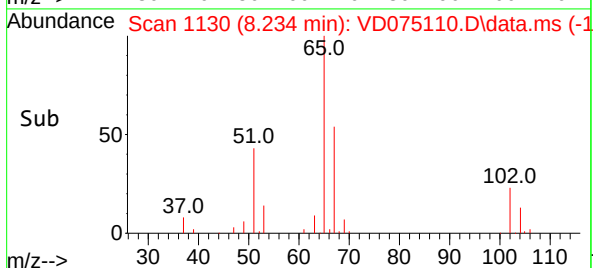
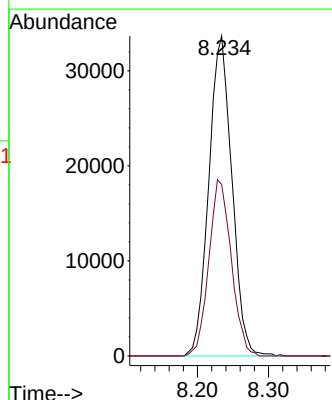
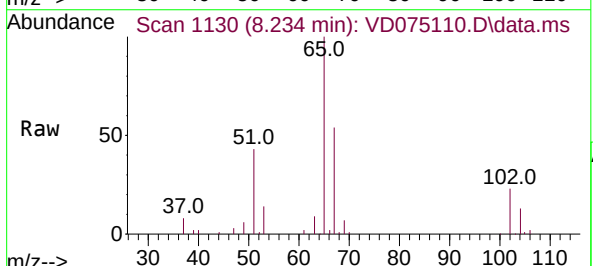
Acq: 10 Jan 2023 17:35

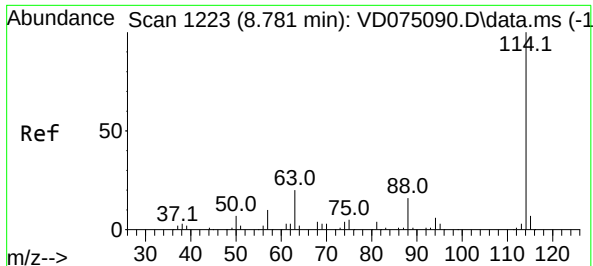
Tgt Ion: 65 Resp: 75984

Ion Ratio Lower Upper

65 100

67 53.6 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: VD075110.D

Acq: 10 Jan 2023 17:35

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-A-2

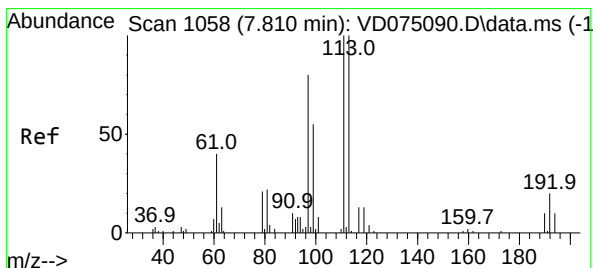
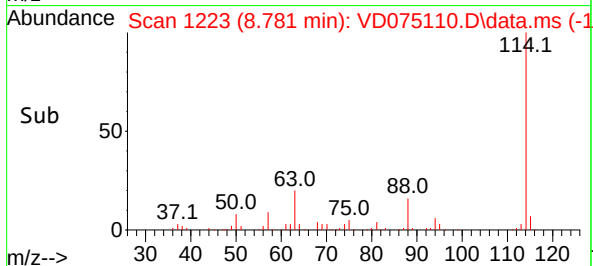
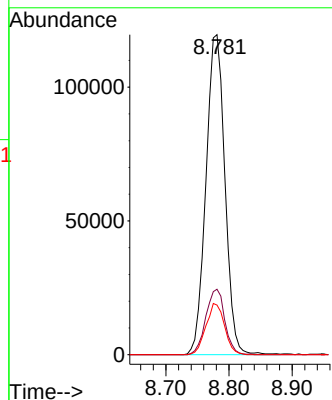
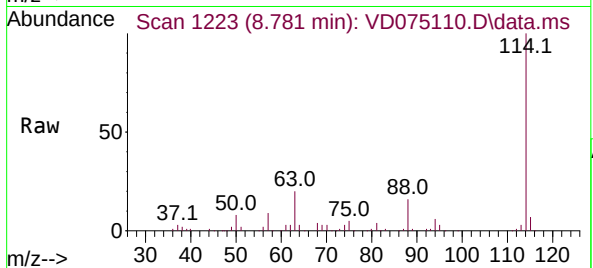
Tgt Ion:114 Resp: 249514

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 15.5 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.714 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD075110.D

Acq: 10 Jan 2023 17:35

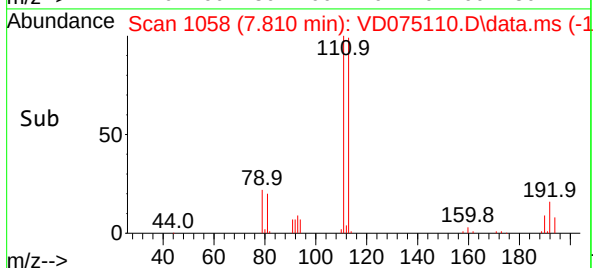
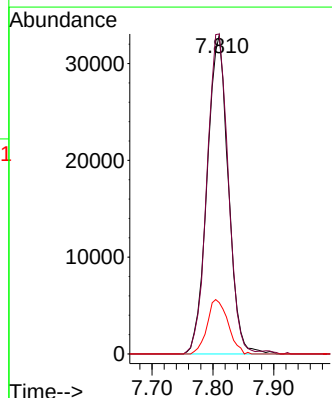
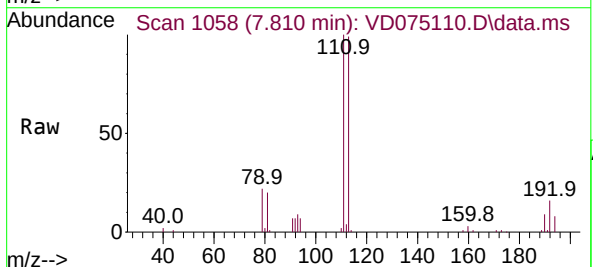
Tgt Ion:113 Resp: 79596

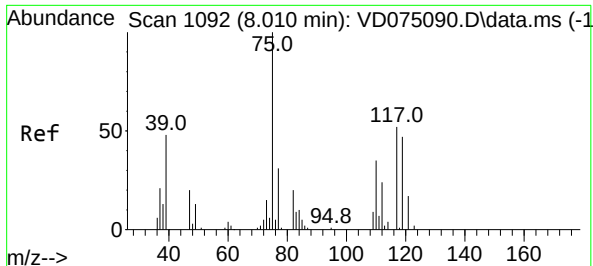
Ion Ratio Lower Upper

113 100

111 100.9 83.2 124.8

192 16.8 15.0 22.6





#36

1,1-Dichloropropene

Concen: 5.014 ug/l

RT: 7.875 min Scan# 1092

Delta R.T. -0.135 min

Lab File: VD075110.D

Acq: 10 Jan 2023 17:35

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-A-2

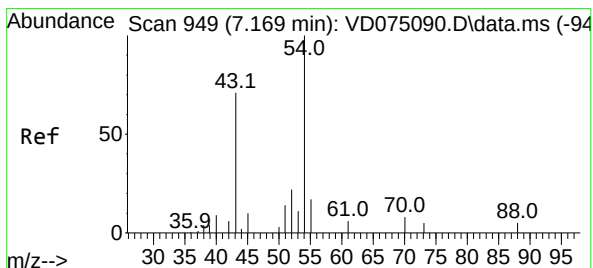
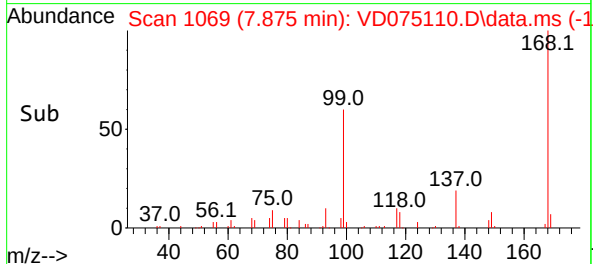
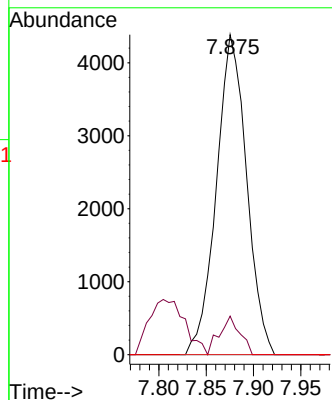
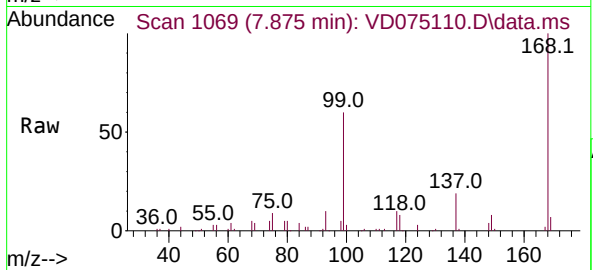
Tgt Ion: 75 Resp: 9737

Ion Ratio Lower Upper

75 100

110 8.1 18.8 56.3#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: Below Cal

RT: 7.105 min Scan# 938

Delta R.T. -0.064 min

Lab File: VD075110.D

Acq: 10 Jan 2023 17:35

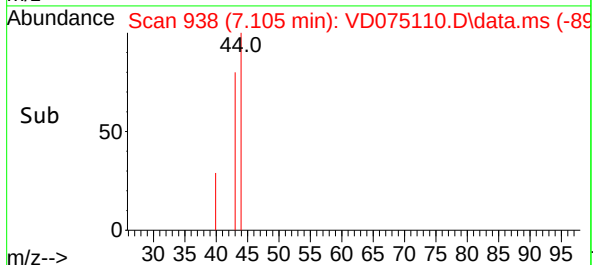
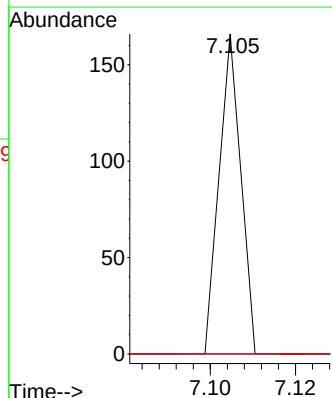
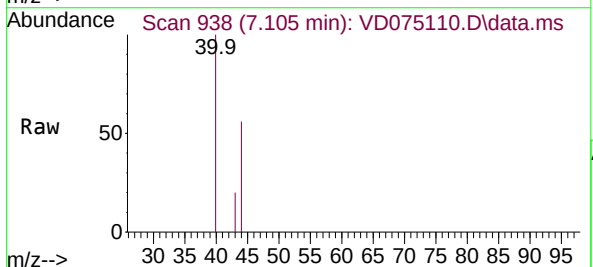
Tgt Ion: 43 Resp: 59

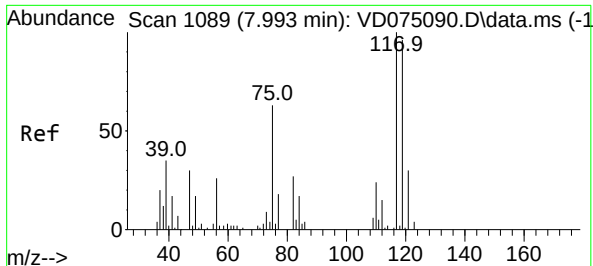
Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

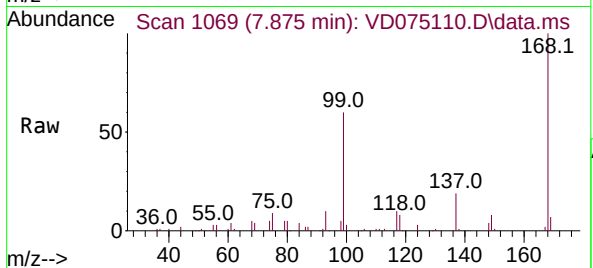
70 0.0 8.4 12.6#



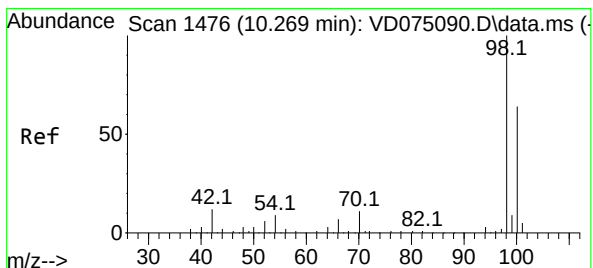
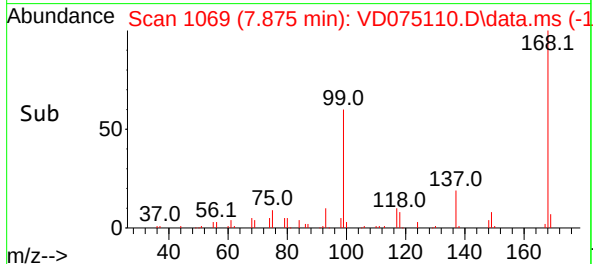
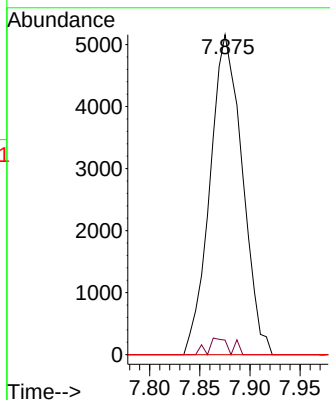


#38
Carbon Tetrachloride
Concen: 6.817 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.117 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A-2

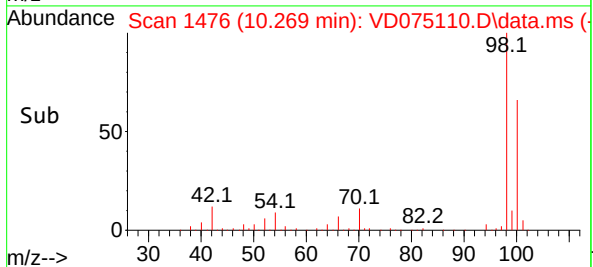
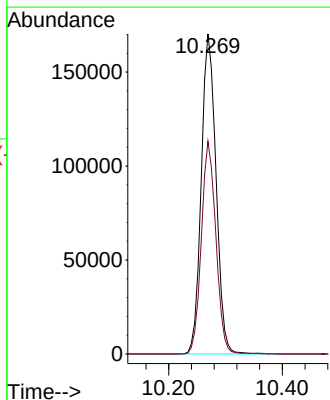
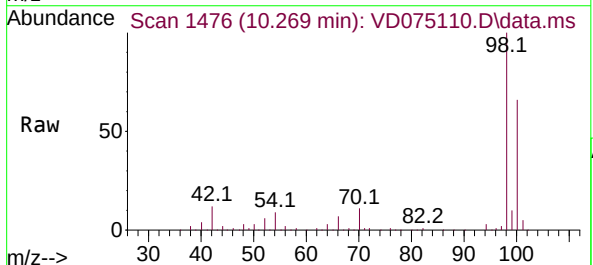


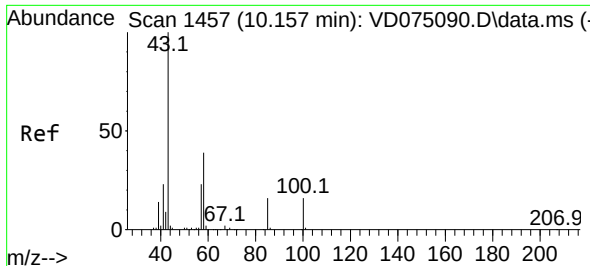
Tgt Ion:117 Resp: 11598
Ion Ratio Lower Upper
117 100
119 4.6 76.8 115.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 49.231 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

Tgt Ion: 98 Resp: 306374
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

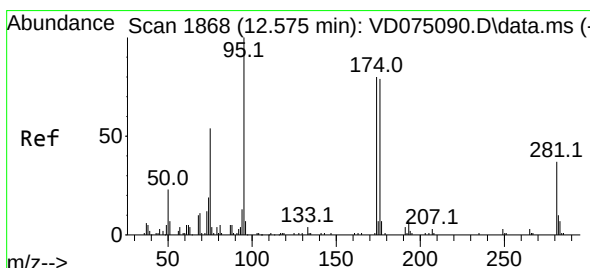
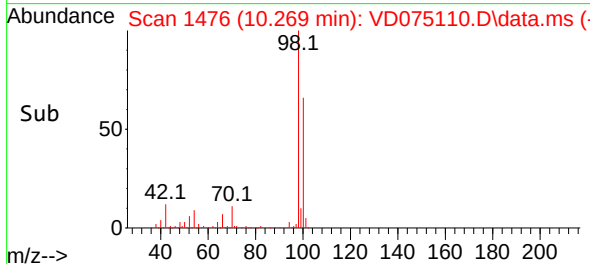
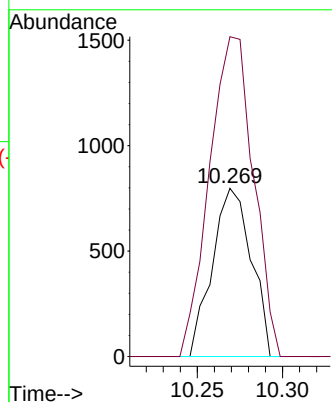
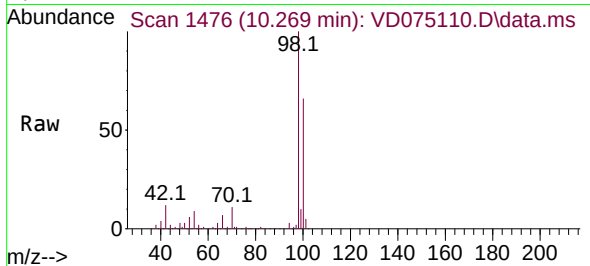




#51
4-Methyl-2-Pentanone
Concen: 1.347 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

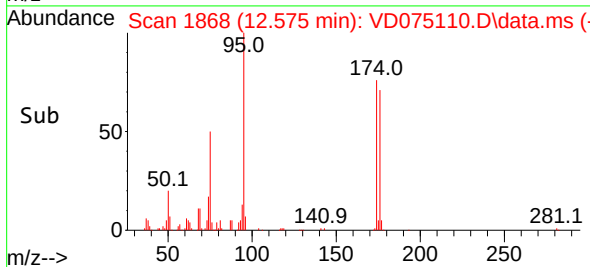
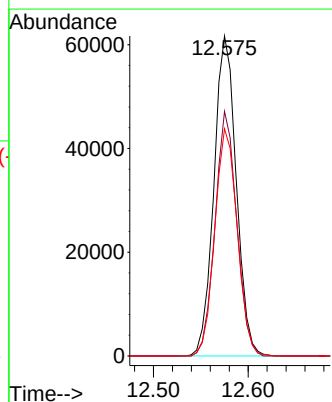
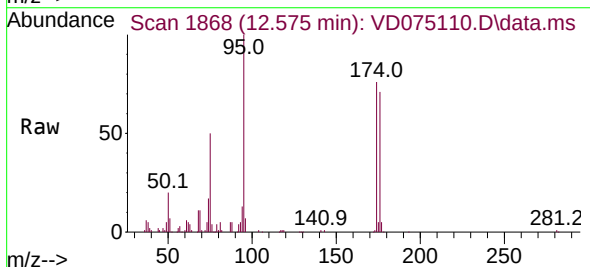
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A-2

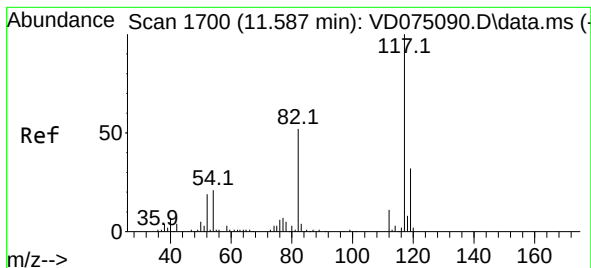
Tgt Ion: 43 Resp: 1271
Ion Ratio Lower Upper
43 100
58 214.6 31.0 46.4#



#62
4-Bromofluorobenzene
Concen: 50.617 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

Tgt Ion: 95 Resp: 101106
Ion Ratio Lower Upper
95 100
174 74.1 0.0 168.4
176 71.3 0.0 163.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD075110.D

Acq: 10 Jan 2023 17:35

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-A-2

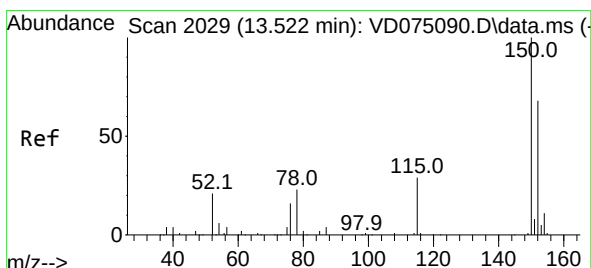
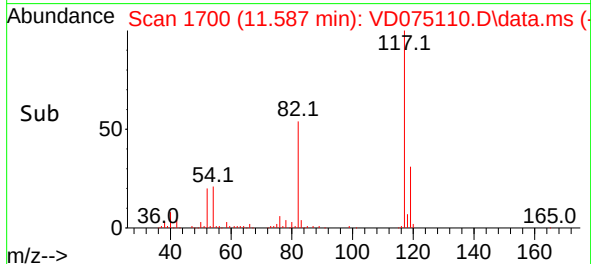
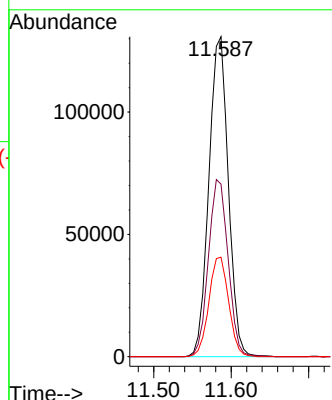
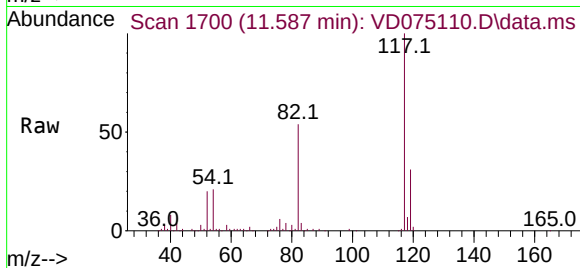
Tgt Ion:117 Resp: 228034

Ion Ratio Lower Upper

117 100

82 54.0 41.3 61.9

119 31.1 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: VD075110.D

Acq: 10 Jan 2023 17:35

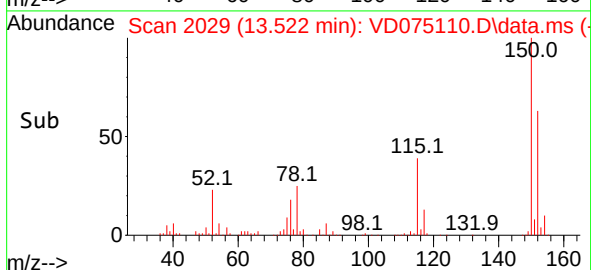
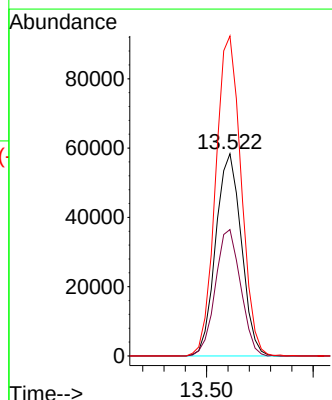
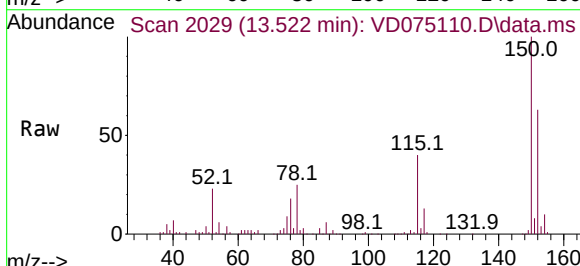
Tgt Ion:152 Resp: 97307

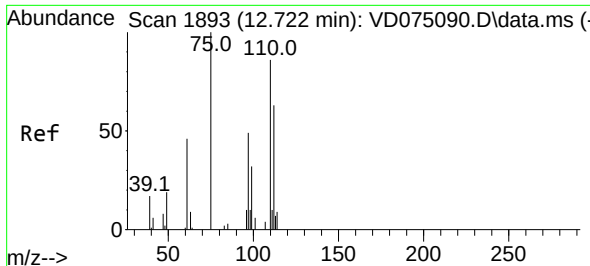
Ion Ratio Lower Upper

152 100

115 61.8 28.7 86.1

150 157.5 0.0 343.2

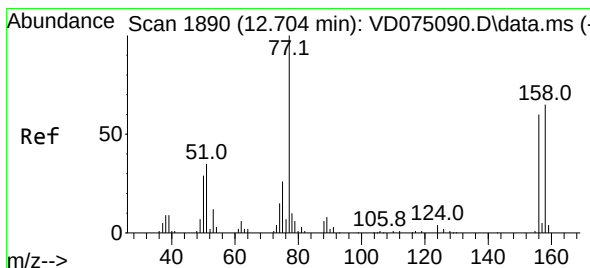
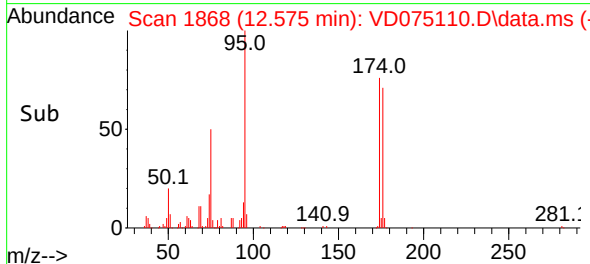
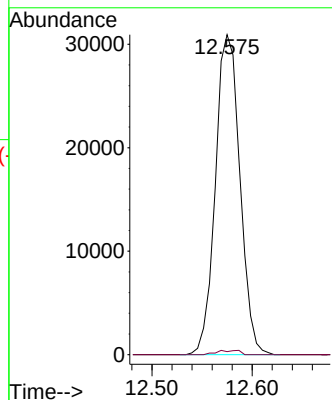
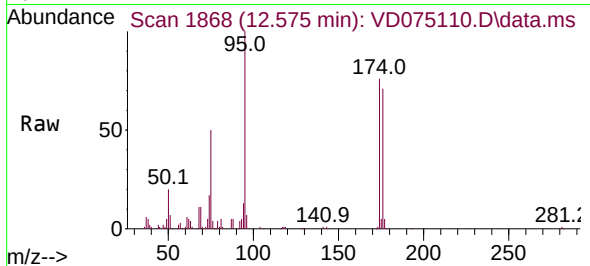




#76
1,2,3-Trichloropropane
Concen: 56.510 ug/l
RT: 12.575 min Scan# 1893
Delta R.T. -0.147 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

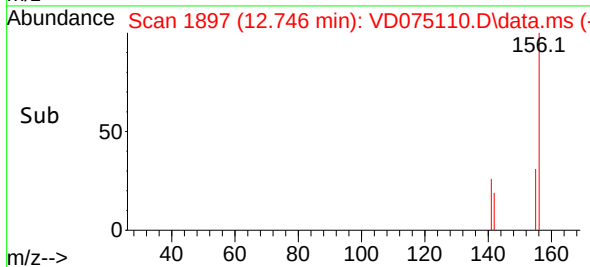
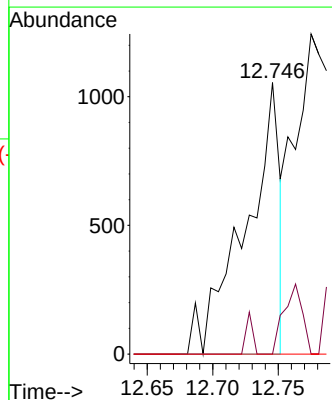
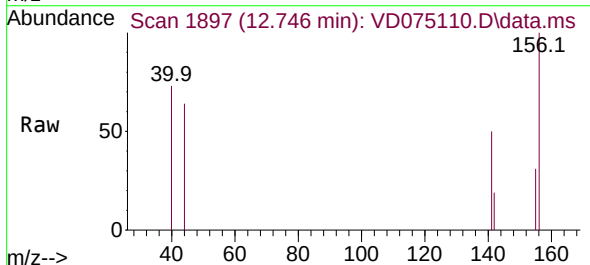
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A-2

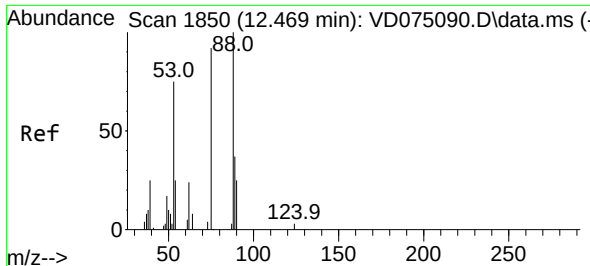
Tgt Ion: 75 Resp: 52468
Ion Ratio Lower Upper
75 100
77 1.2 149.0 447.1#



#77
Bromobenzene
Concen: 1.207 ug/l
RT: 12.746 min Scan# 1897
Delta R.T. 0.041 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

Tgt Ion: 156 Resp: 1923
Ion Ratio Lower Upper
156 100
77 13.9 90.8 272.5#
158 0.0 49.4 148.0#

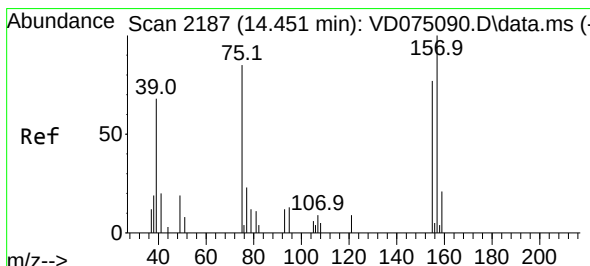
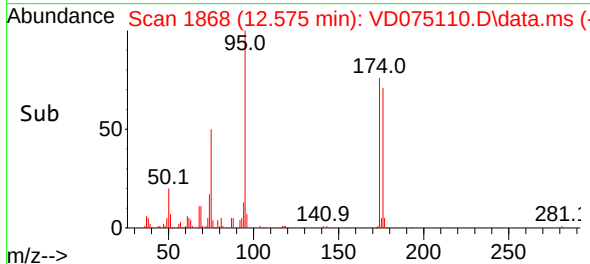
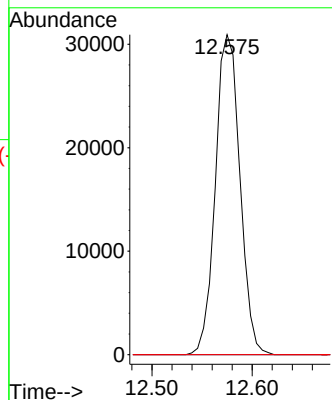
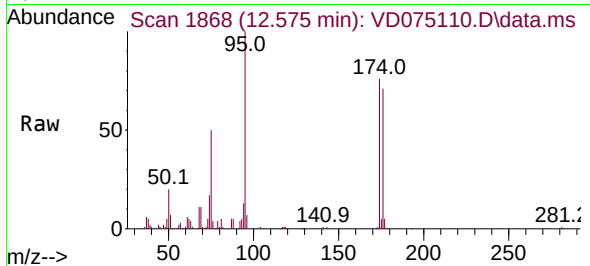




#81
trans-1,4-Dichloro-2-butene
Concen: 150.075 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

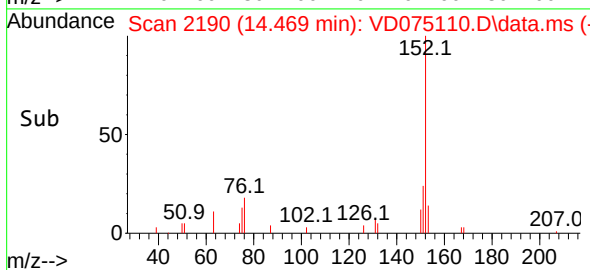
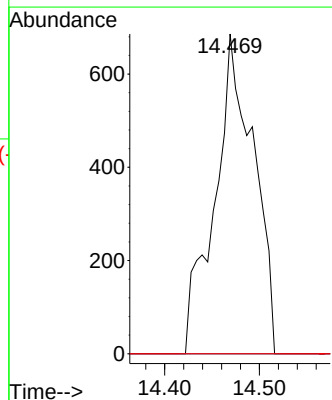
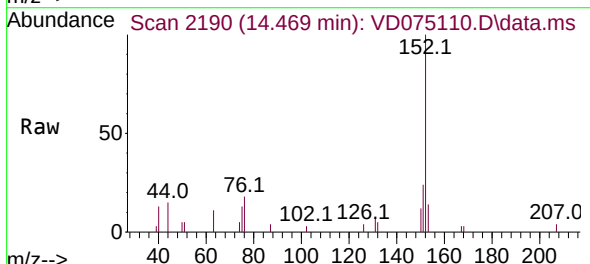
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A-2

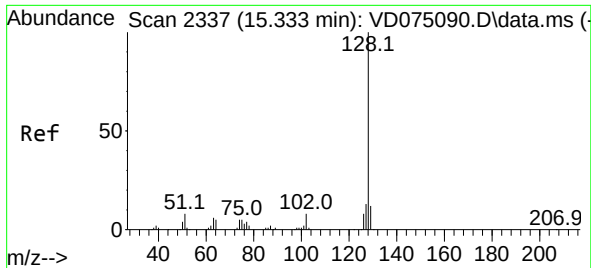
Tgt Ion: 75 Resp: 52468
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.0 33.4 50.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 9.804 ug/l
RT: 14.469 min Scan# 2190
Delta R.T. 0.018 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

Tgt Ion: 75 Resp: 1966
Ion Ratio Lower Upper
75 100
155 0.0 45.4 136.2#
157 0.0 60.1 180.2#





#95
Naphthalene
Concen: 52.094 ug/l
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD075110.D
Acq: 10 Jan 2023 17:35

Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-A-2

Tgt Ion:128 Resp: 187742
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.8 8.9 13.3

