

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011023\
 Data File : VD075111.D
 Acq On : 10 Jan 2023 18:03
 Operator : KP/SY
 Sample : 01094-03
 Misc : 6.79G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-B

Quant Time: Jan 11 01:52:01 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)

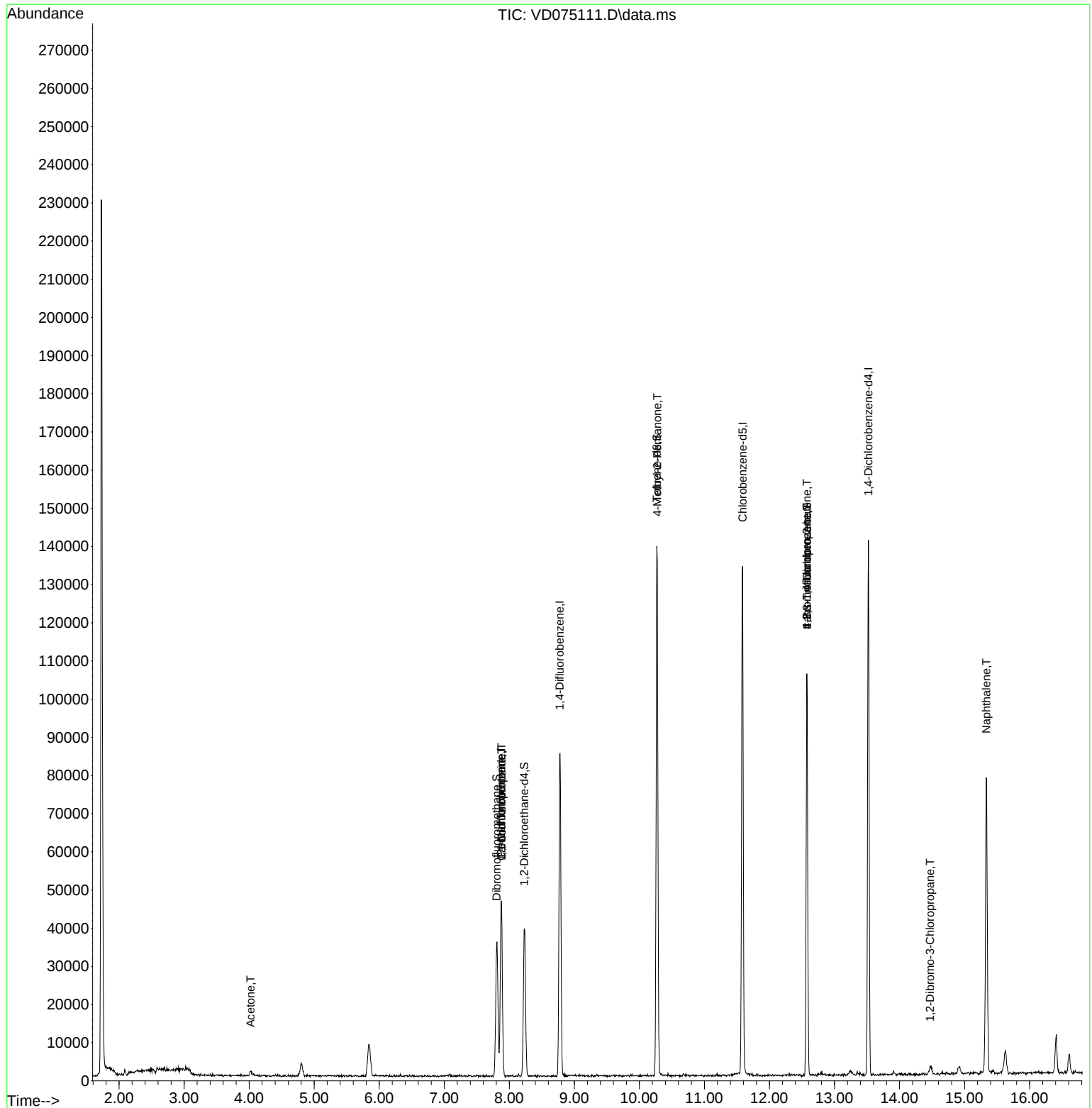
Internal Standards						
1) Pentafluorobenzene	7.875	168	35120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	76064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	75614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	34790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	30898	87.754	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 175.500%#	
35) Dibromofluoromethane	7.804	113	26846	56.109	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.220%	
50) Toluene-d8	10.269	98	97690	51.494	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.575	95	35423	58.172	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	277	Below Cal	#	43
5) Bromomethane	2.699	94	69	Below Cal	#	1
16) Acetone	4.022	43	2214	26.538	ug/l	94
20) Methylene Chloride	4.805	84	2673	Below Cal	#	92
31) Cyclohexane	7.881	56	934	Below Cal	#	1
36) 1,1-Dichloropropene	7.881	75	3055	5.161	ug/l	# 42
37) Ethyl Acetate	7.093	43	61	Below Cal	#	68
38) Carbon Tetrachloride	7.881	117	3741	7.213	ug/l	# 12
51) 4-Methyl-2-Pentanone	10.275	43	483	1.679	ug/l	# 1
76) 1,2,3-Trichloropropane	12.575	75	18473	55.649	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.575	75	18473	147.788	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.469	75	150	2.092	ug/l	# 1
95) Naphthalene	15.333	128	73044	56.689	ug/l	99

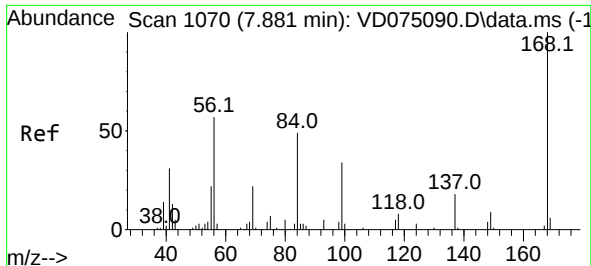
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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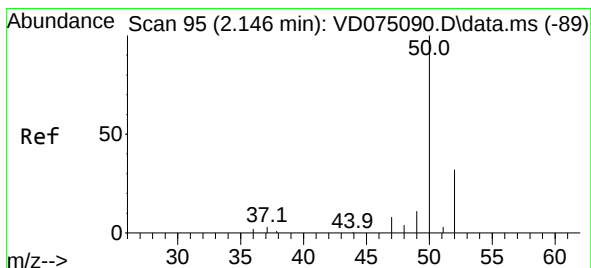
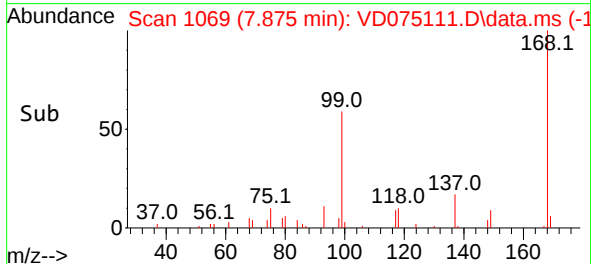
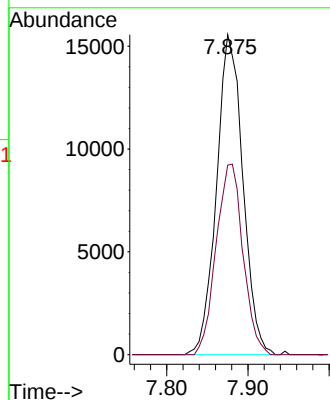
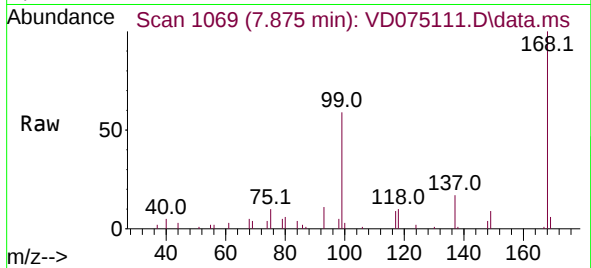




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

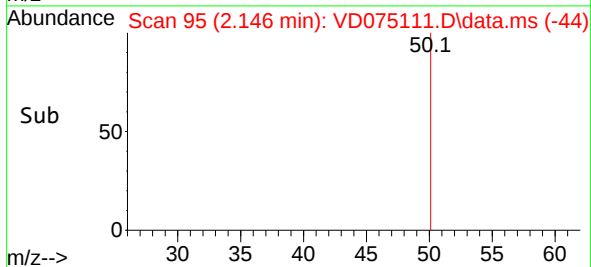
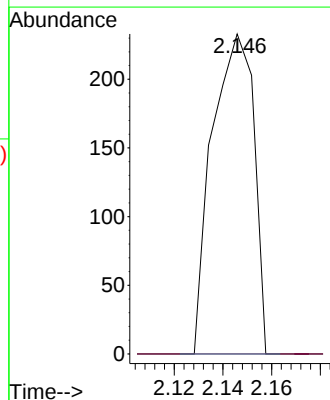
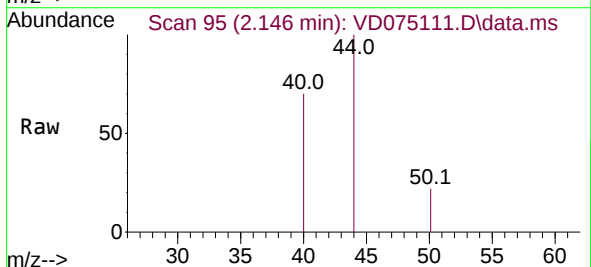
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-B

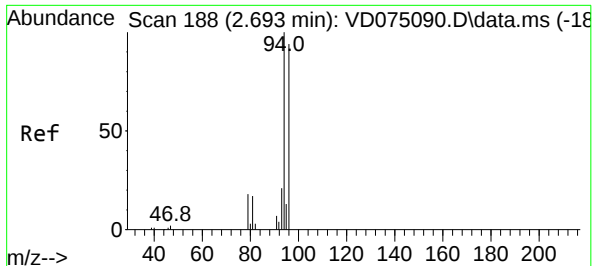
Tgt Ion:168 Resp: 35120
Ion Ratio Lower Upper
168 100
99 59.3 43.2 64.8



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

Tgt Ion: 50 Resp: 277
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

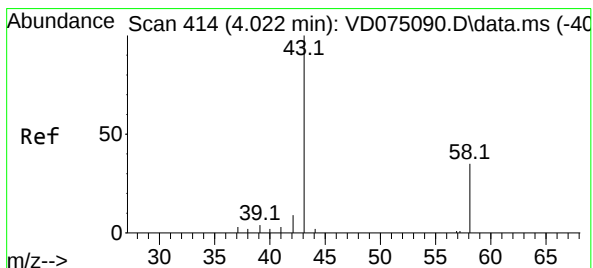
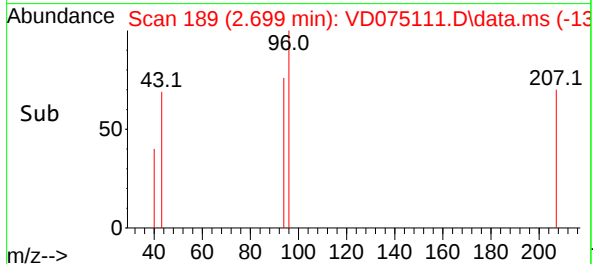
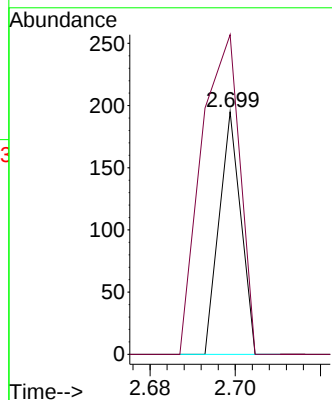
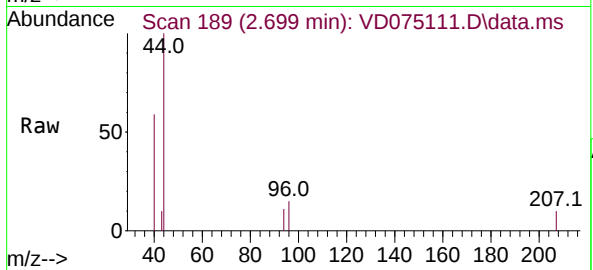




#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

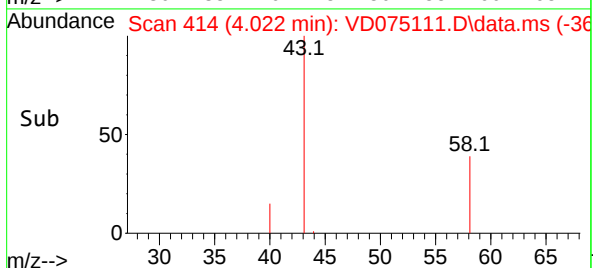
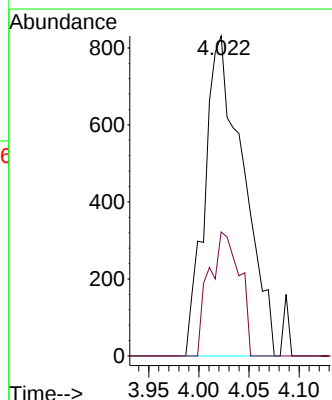
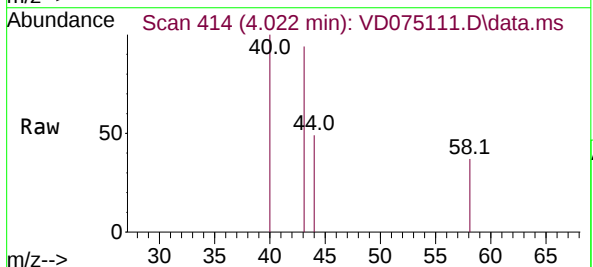
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-B

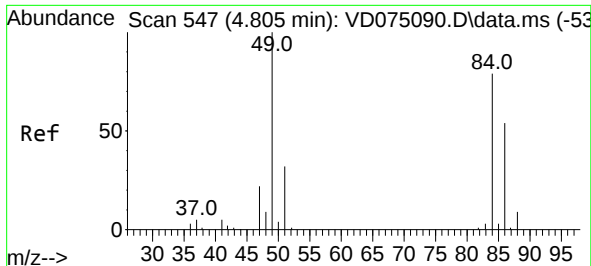
Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 233.3 72.5 108.7#



#16
Acetone
Concen: 26.538 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
58 38.7 28.3 42.5

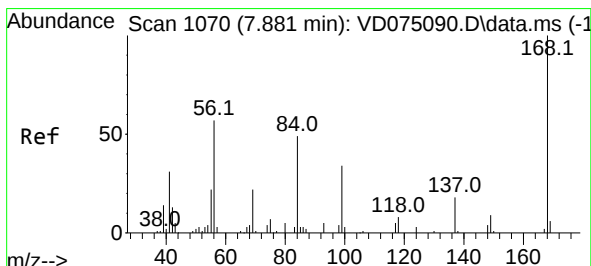
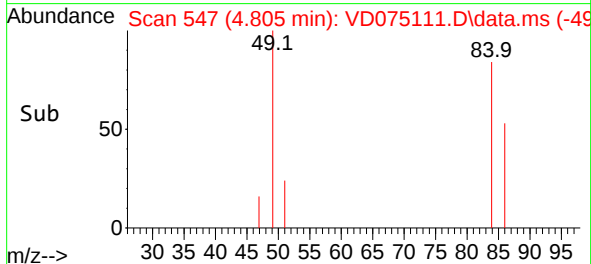
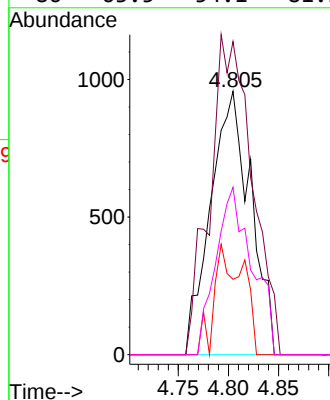
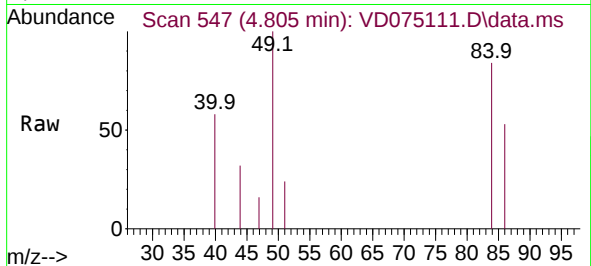




#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

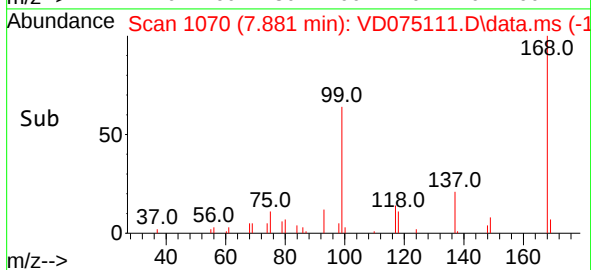
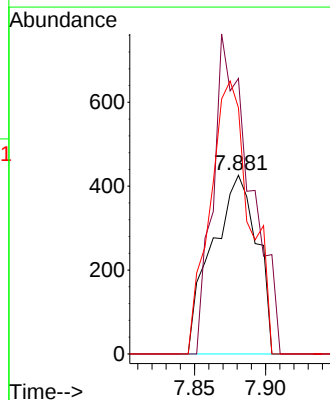
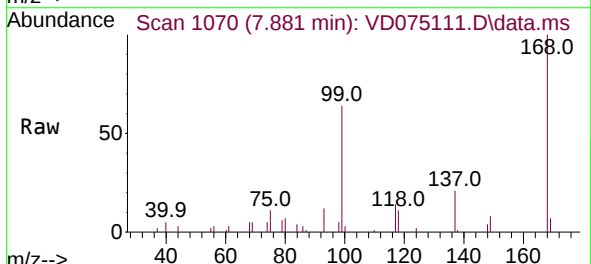
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-B

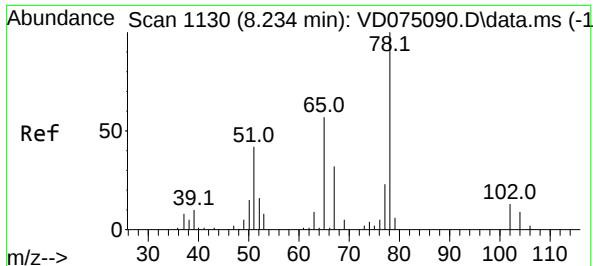
Tgt Ion: 84	Resp:	2673	
Ion	Ratio	Lower	Upper
84	100		
49	118.9	100.6	151.0
51	28.6	31.8	47.8#
86	63.5	54.1	81.1



#31
Cyclohexane
Concen: Below Cal
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

Tgt Ion: 56	Resp:	934	
Ion	Ratio	Lower	Upper
56	100		
69	154.2	30.4	45.6#
84	137.8	68.6	102.8#





#33

1,2-Dichloroethane-d4

Concen: 87.754 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075111.D

Acq: 10 Jan 2023 18:03

Instrument :

MSVOA_D

ClientSampleId :

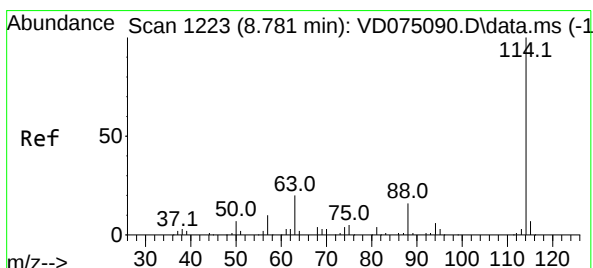
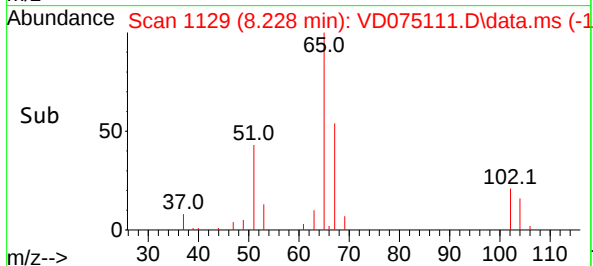
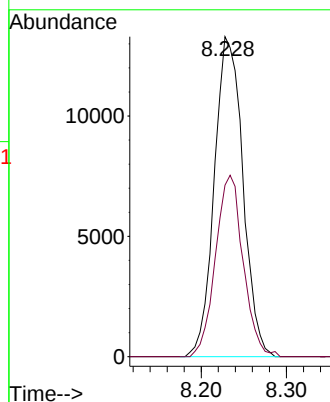
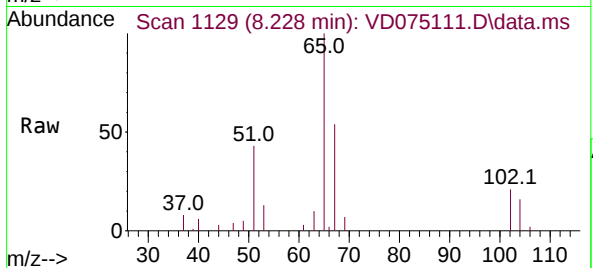
STOCKPILE-B

Tgt Ion: 65 Resp: 30898

Ion Ratio Lower Upper

65 100

67 55.0 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD075111.D

Acq: 10 Jan 2023 18:03

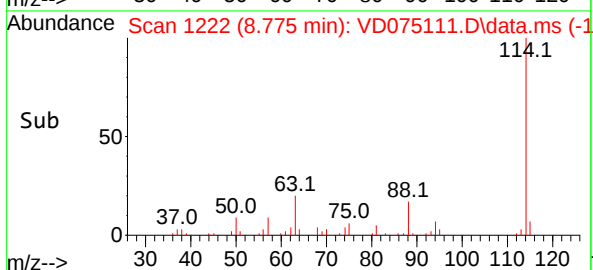
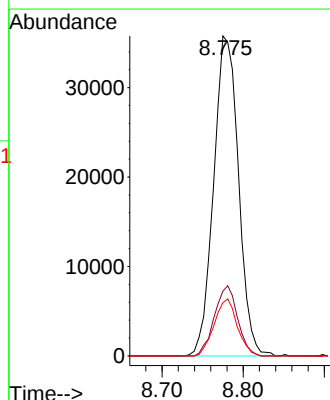
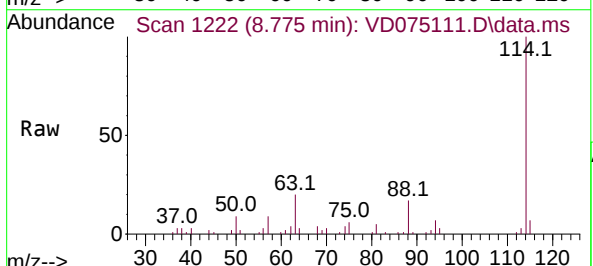
Tgt Ion: 114 Resp: 76064

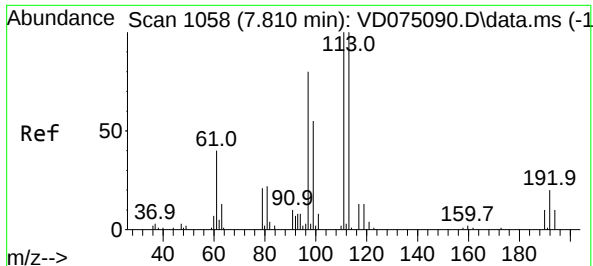
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 16.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 56.109 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075111.D

Acq: 10 Jan 2023 18:03

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-B

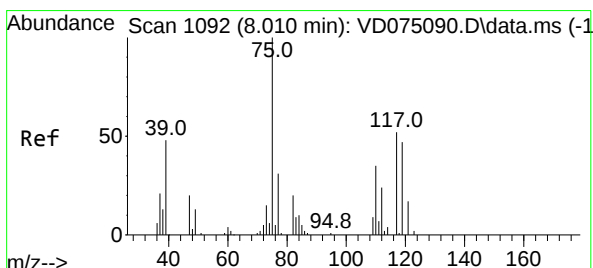
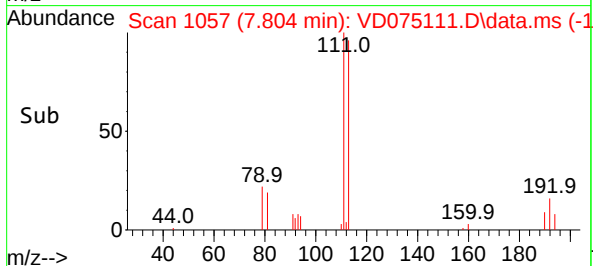
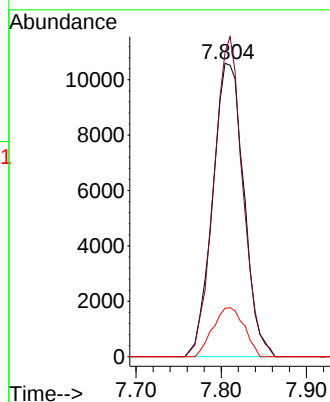
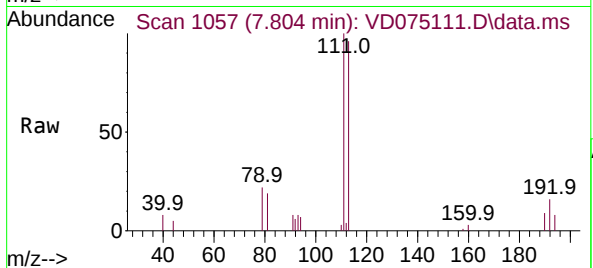
Tgt Ion:113 Resp: 26846

Ion Ratio Lower Upper

113 100

111 101.3 83.2 124.8

192 16.8 15.0 22.6



#36

1,1-Dichloropropene

Concen: 5.161 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD075111.D

Acq: 10 Jan 2023 18:03

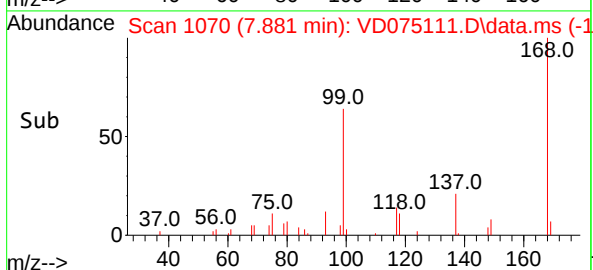
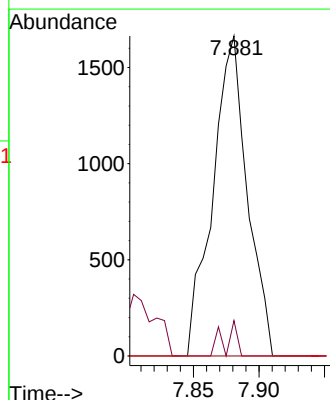
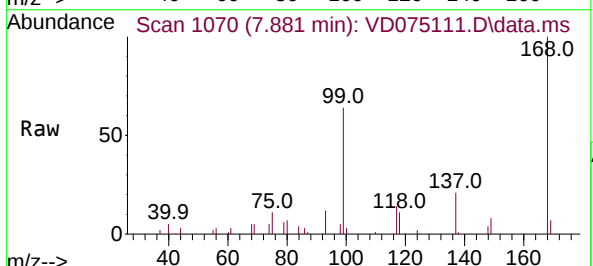
Tgt Ion: 75 Resp: 3055

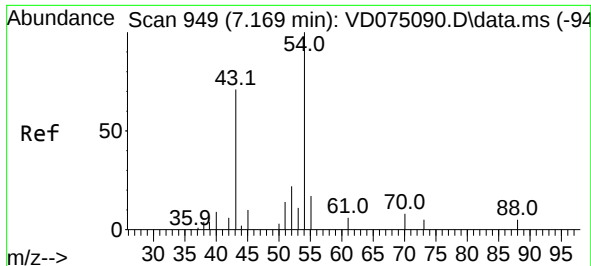
Ion Ratio Lower Upper

75 100

110 1.7 18.8 56.3#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: Below Cal

RT: 7.093 min Scan# 91

Delta R.T. -0.076 min

Lab File: VD075111.D

Acq: 10 Jan 2023 18:03

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-B

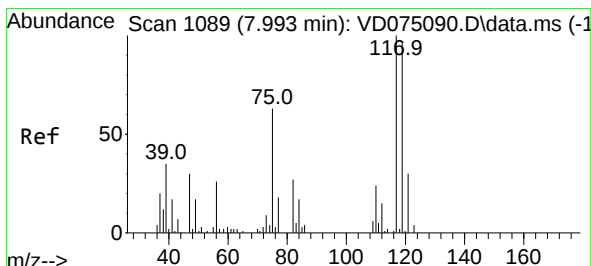
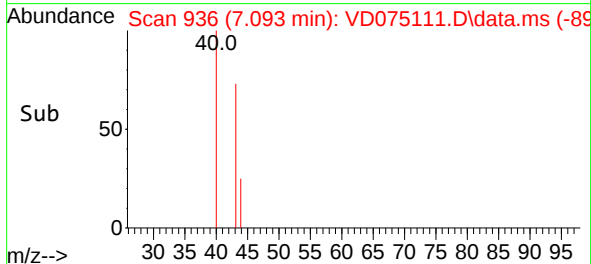
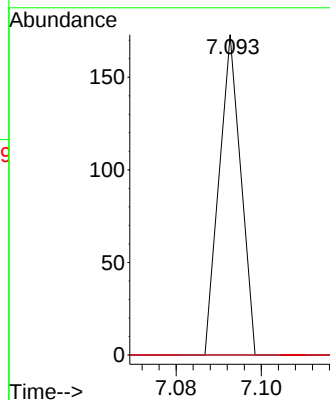
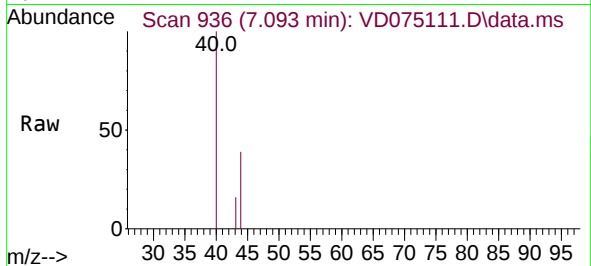
Tgt Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.2#

70 0.0 8.4 12.6#



#38

Carbon Tetrachloride

Concen: 7.213 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD075111.D

Acq: 10 Jan 2023 18:03

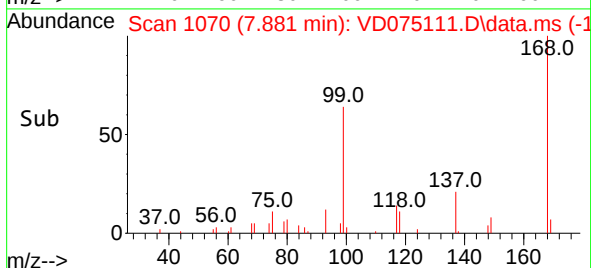
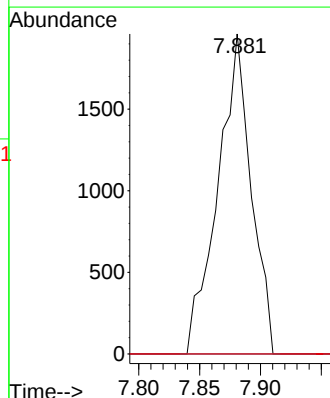
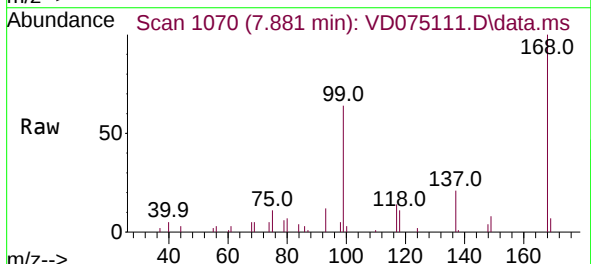
Tgt Ion: 117 Resp: 3741

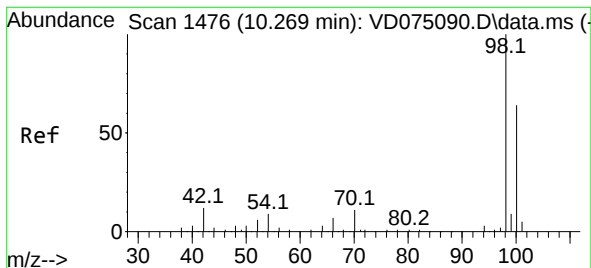
Ion Ratio Lower Upper

117 100

119 0.0 76.8 115.2#

121 0.0 23.8 35.8#





#50

Toluene-d8

Concen: 51.494 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075111.D

Acq: 10 Jan 2023 18:03

Instrument :

MSVOA_D

ClientSampleId :

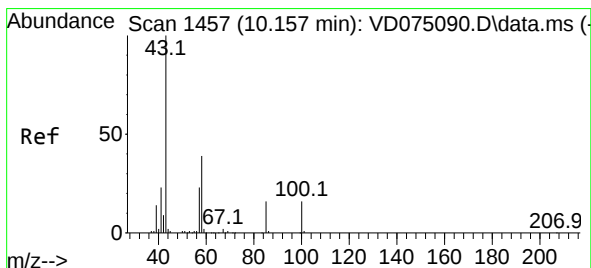
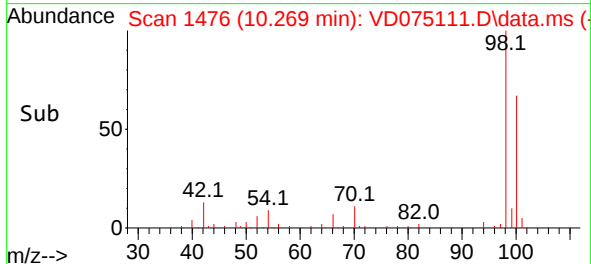
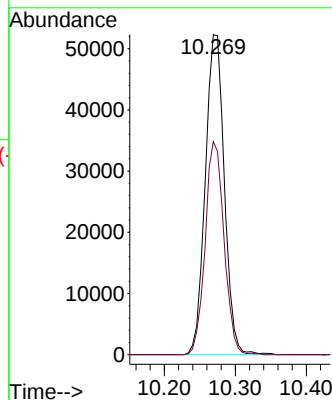
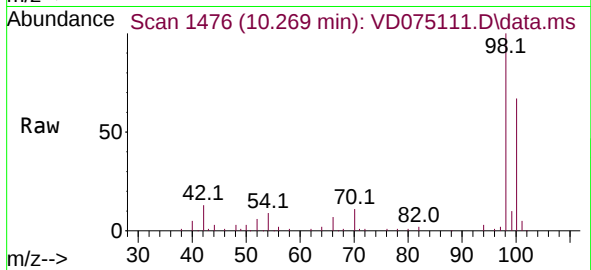
STOCKPILE-B

Tgt Ion: 98 Resp: 97690

Ion Ratio Lower Upper

98 100

100 65.7 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 1.679 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.118 min

Lab File: VD075111.D

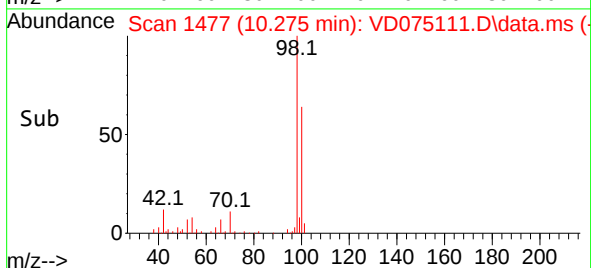
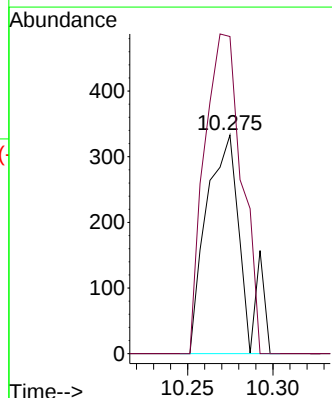
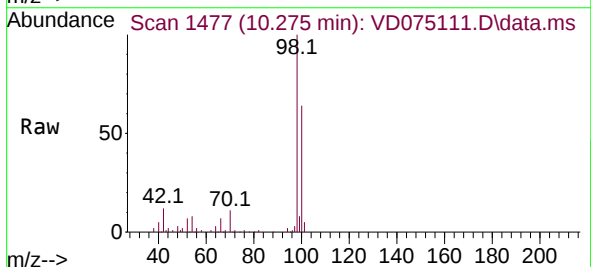
Acq: 10 Jan 2023 18:03

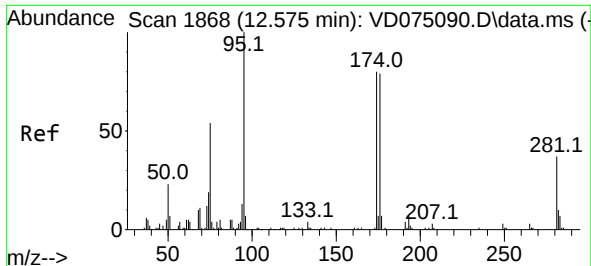
Tgt Ion: 43 Resp: 483

Ion Ratio Lower Upper

43 100

58 153.2 31.0 46.4#

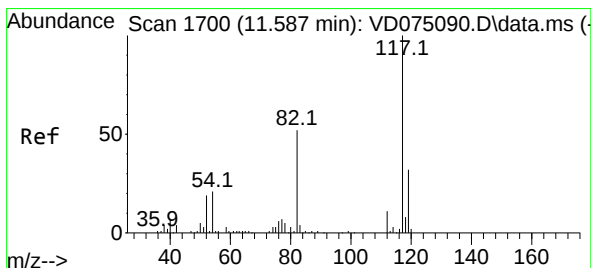
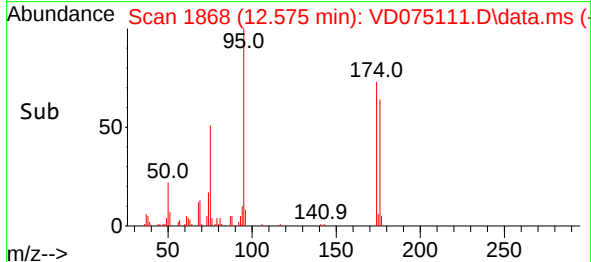
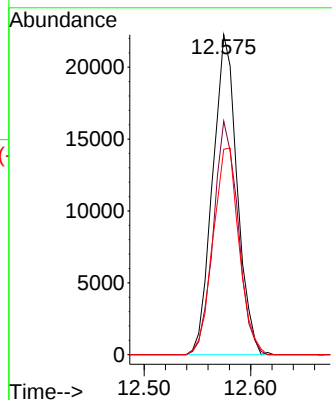
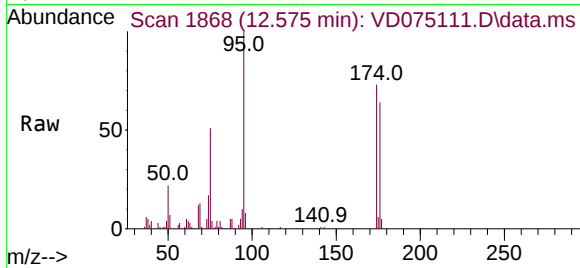




#62
4-Bromofluorobenzene
Concen: 58.172 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

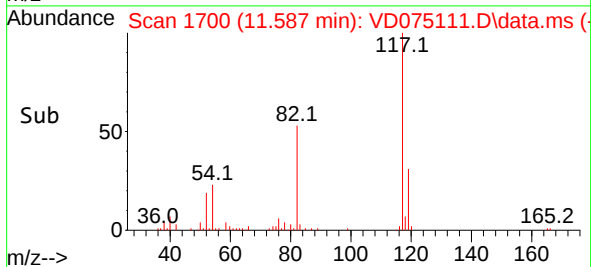
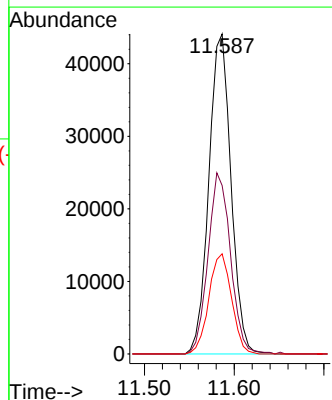
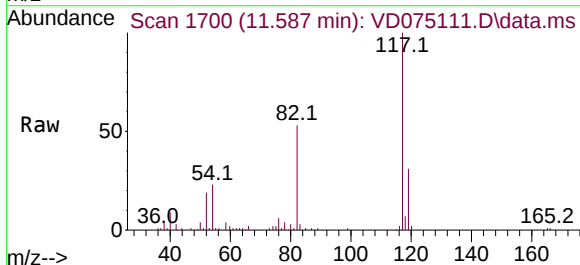
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-B

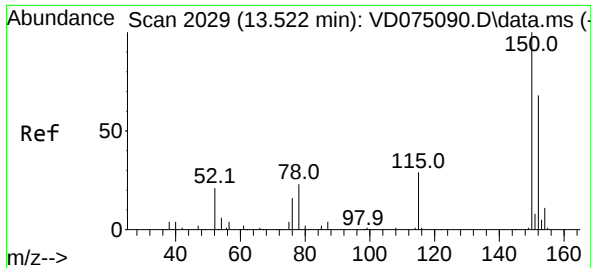
Tgt Ion: 95 Resp: 35423
Ion Ratio Lower Upper
95 100
174 73.2 0.0 168.4
176 69.1 0.0 163.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

Tgt Ion: 117 Resp: 75614
Ion Ratio Lower Upper
117 100
82 52.6 41.3 61.9
119 31.3 25.8 38.6

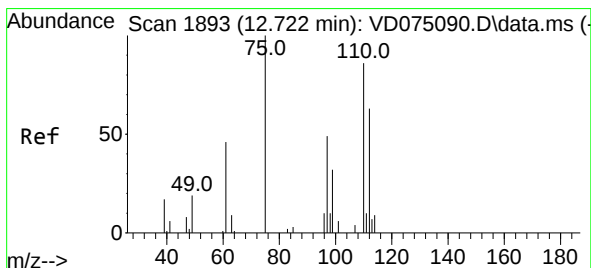
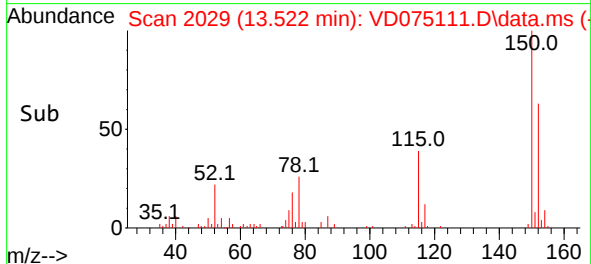
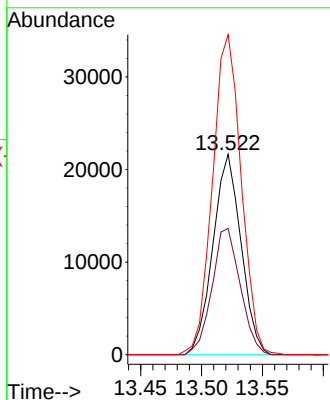
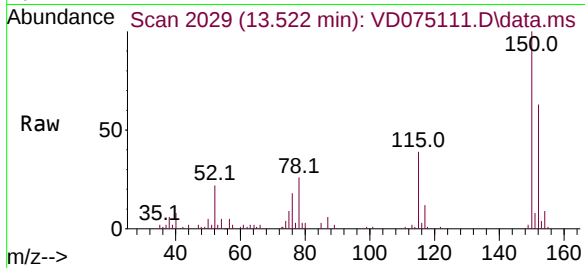




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: VD075111.D
 Acq: 10 Jan 2023 18:03

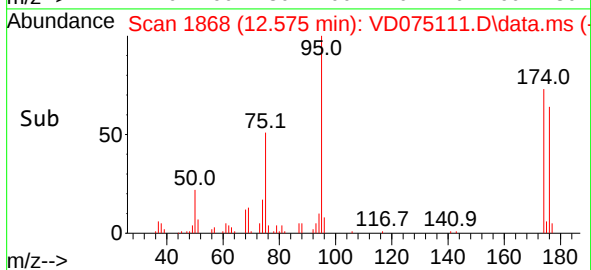
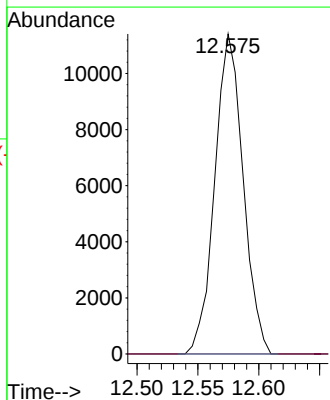
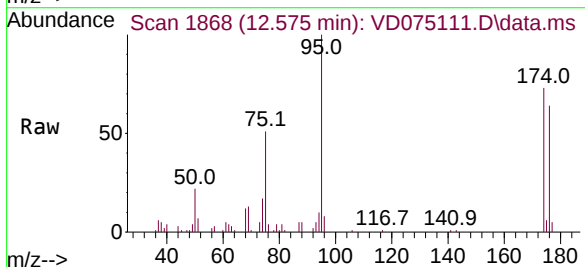
Instrument :
 MSVOA_D
 ClientSampleId :
 STOCKPILE-B

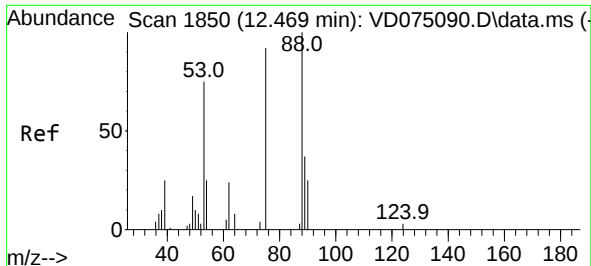
Tgt Ion:152 Resp: 34790
 Ion Ratio Lower Upper
 152 100
 115 63.5 28.7 86.1
 150 162.8 0.0 343.2



#76
 1,2,3-Trichloropropane
 Concen: 55.649 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD075111.D
 Acq: 10 Jan 2023 18:03

Tgt Ion: 75 Resp: 18473
 Ion Ratio Lower Upper
 75 100
 77 0.0 149.0 447.1#

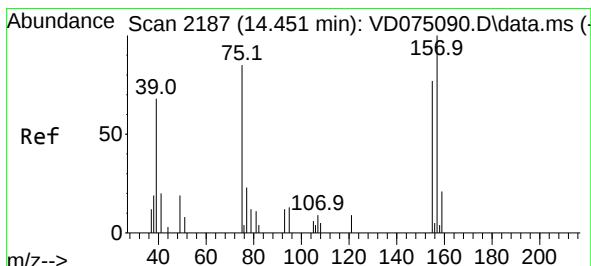
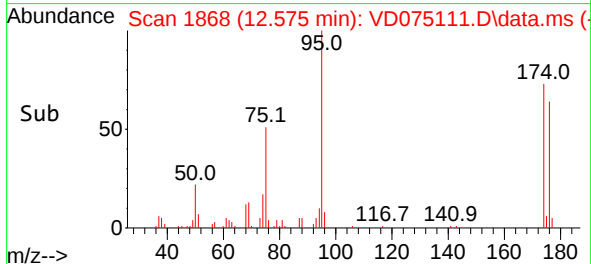
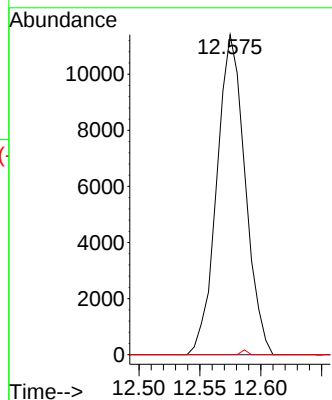
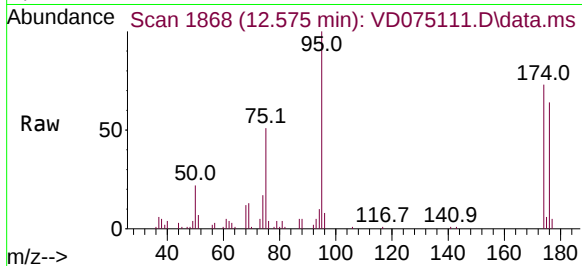




#81
trans-1,4-Dichloro-2-butene
Concen: 147.788 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

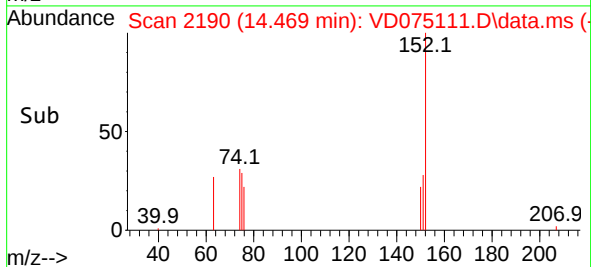
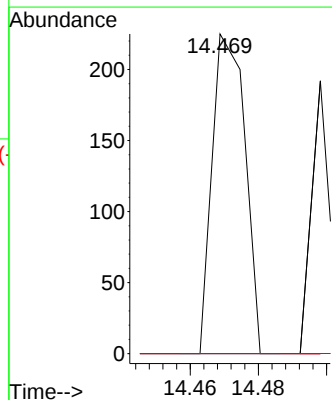
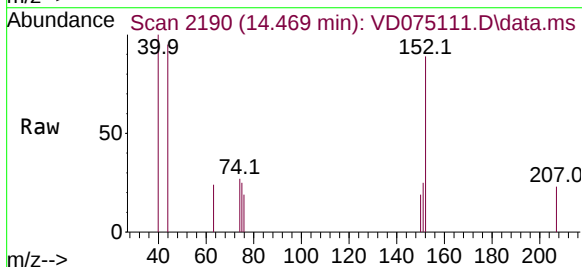
Instrument :
MSVOA_D
ClientSampleId :
STOCKPILE-B

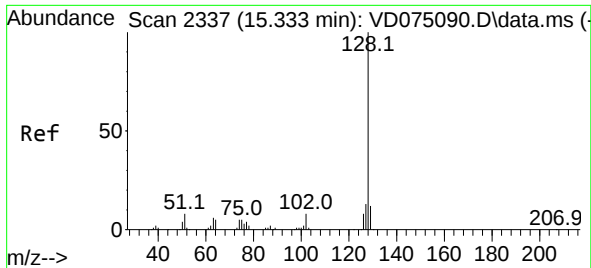
Tgt Ion: 75 Resp: 18473
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.3 33.4 50.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.092 ug/l
RT: 14.469 min Scan# 2190
Delta R.T. 0.018 min
Lab File: VD075111.D
Acq: 10 Jan 2023 18:03

Tgt Ion: 75 Resp: 150
Ion Ratio Lower Upper
75 100
155 0.0 45.4 136.2#
157 0.0 60.1 180.2#





#95

Naphthalene

Concen: 56.689 ug/l

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD075111.D

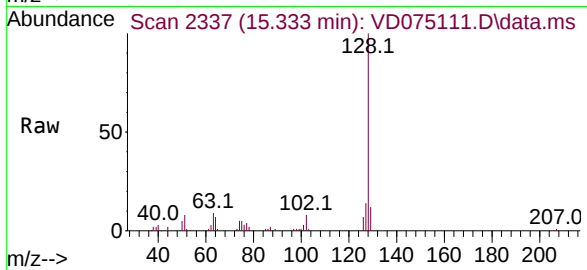
Acq: 10 Jan 2023 18:03

Instrument :

MSVOA_D

ClientSampleId :

STOCKPILE-B



Tgt Ion:128 Resp: 73044

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.6 8.9 13.3

