

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092424\
 Data File : VX043122.D
 Acq On : 24 Sep 2024 15:03
 Operator : JC/MD
 Sample : P4148-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STOCK-PILE

Quant Time: Sep 25 01:29:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

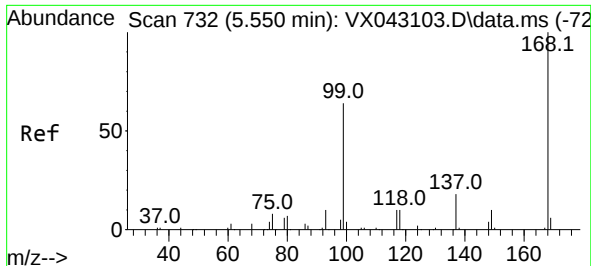
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	93726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	186902	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	174097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93774	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82053	52.705	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.420%			
35) Dibromofluoromethane	5.385	113	64183	48.680	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.360%			
50) Toluene-d8	8.647	98	227215	50.937	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.880%			
62) 4-Bromofluorobenzene	11.079	95	94102	52.384	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.760%			
Target Compounds					Qvalue	
6) Chloroethane	1.691	64	173	0.261	ug/l	92
11) Tert butyl alcohol	2.959	59	318	0.915	ug/l #	71
13) Acrolein	2.239	56	79	1.725	ug/l #	1
14) Allyl chloride	2.648	41	375	0.203	ug/l #	46
16) Acetone	2.380	43	21369	29.350	ug/l	100
17) Carbon Disulfide	2.514	76	568	0.230	ug/l #	85
18) Methyl Acetate	2.715	43	1650	0.842	ug/l #	86
20) Methylene Chloride	2.788	84	32087	27.701	ug/l	94
25) 2-Butanone	4.587	43	2762	2.943	ug/l	94
29) Tetrahydrofuran	5.032	42	528	0.935	ug/l #	50
31) Cyclohexane	5.556	56	2476	1.617	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	7792	4.810	ug/l #	50
37) Ethyl Acetate	4.739	43	1638	0.805	ug/l #	86
38) Carbon Tetrachloride	5.556	117	10337	4.953	ug/l #	15
43) Isopropyl Acetate	6.336	43	88085	25.915	ug/l	100
48) Methyl methacrylate	7.793	41	70600	42.289	ug/l #	44
49) 1,4-Dioxane	7.799	88	98	3.110	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	71708	34.342	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	30824	14.421	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	3761	1.744	ug/l #	42
59) 2-Hexanone	9.482	43	52095	31.907	ug/l #	52
68) m/p-Xylenes	10.305	106	560	0.232	ug/l	86
76) 1,2,3-Trichloropropane	11.079	75	51444	25.803	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	51444	61.479	ug/l #	7
89) n-Butylbenzene	12.335	91	1179	0.221	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	639	0.340	ug/l	92
94) Hexachlorobutadiene	13.719	225	196	0.248	ug/l	75
95) Naphthalene	13.780	128	1951	0.299	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	588	0.315	ug/l	86

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

Quant Time: Sep 25 01:29:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
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Response via : Initial Calibration

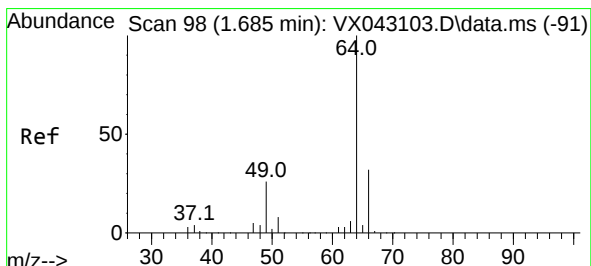
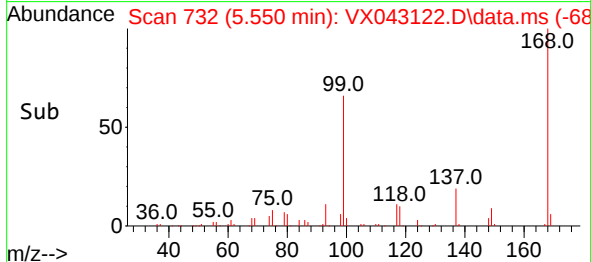
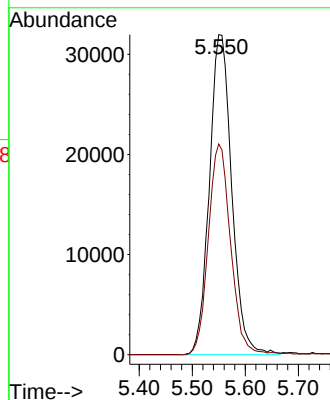
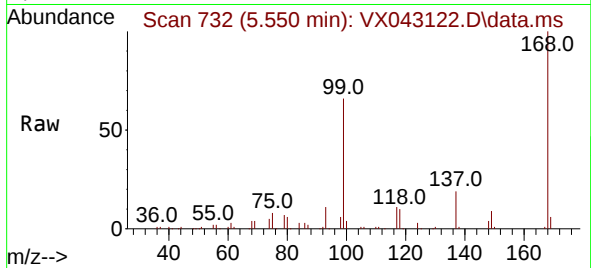




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

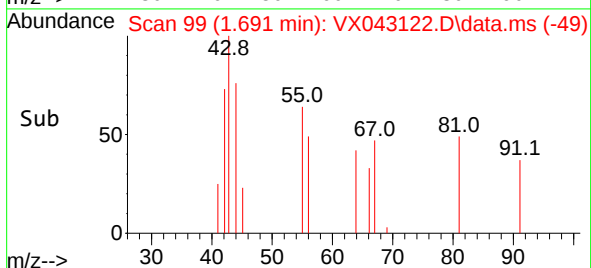
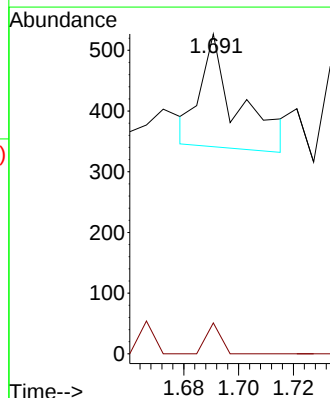
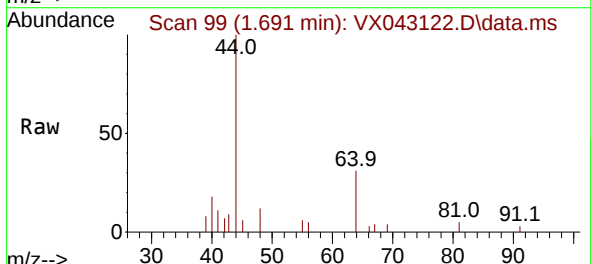
Instrument :
MSVOA_X
ClientSampleId :
STOCK-PILE

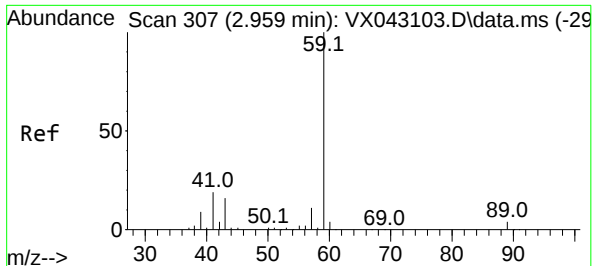
Tgt Ion:168 Resp: 93726
Ion Ratio Lower Upper
168 100
99 65.8 50.8 76.2



#6
Chloroethane
Concen: 0.261 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

Tgt Ion: 64 Resp: 173
Ion Ratio Lower Upper
64 100
66 36.4 25.8 38.6

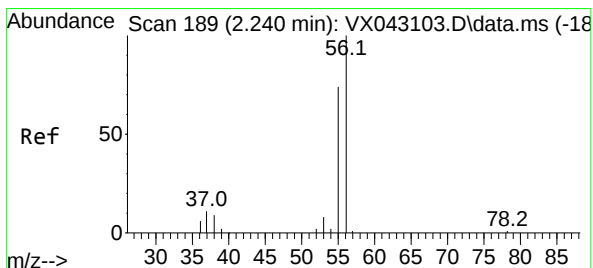
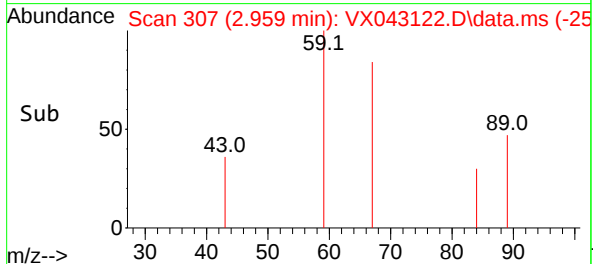
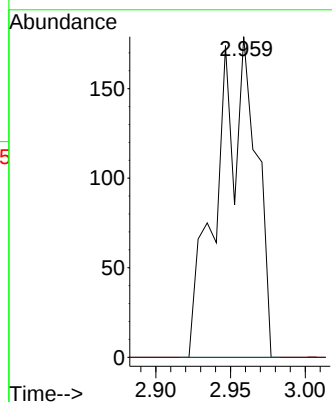
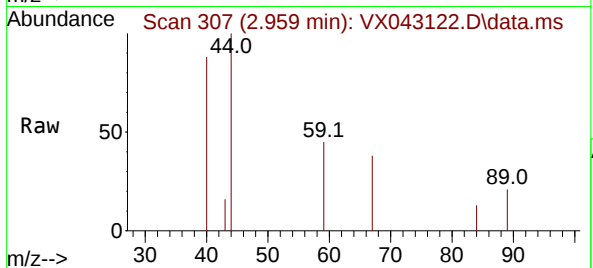




#11
Tert butyl alcohol
Concen: 0.915 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

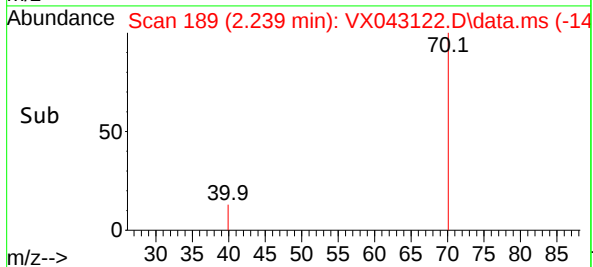
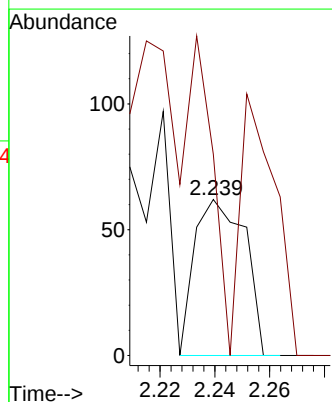
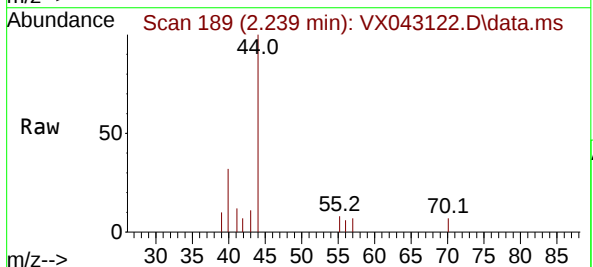
Instrument :
MSVOA_X
ClientSampleId :
STOCK-PILE

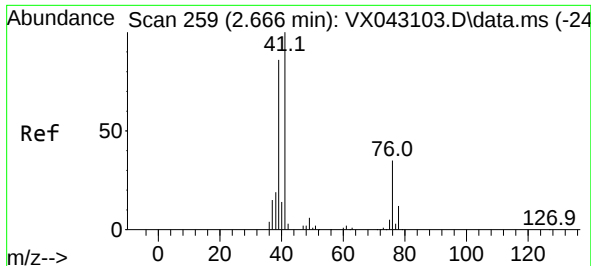
Tgt Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#13
Acrolein
Concen: 1.725 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 286.1 55.8 83.6#

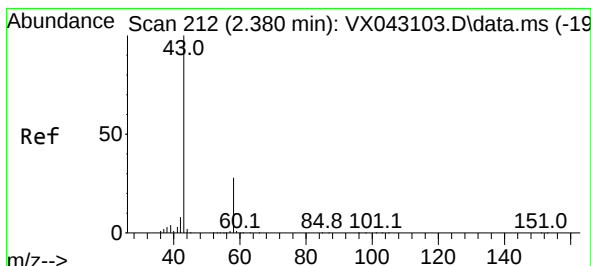
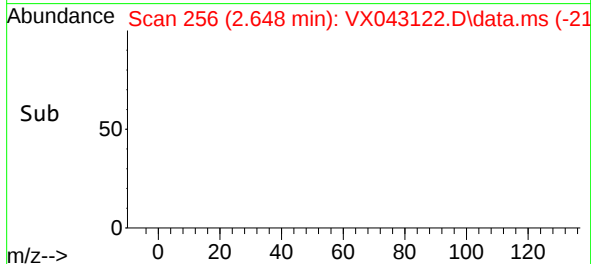
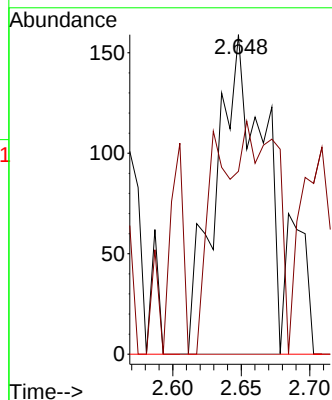
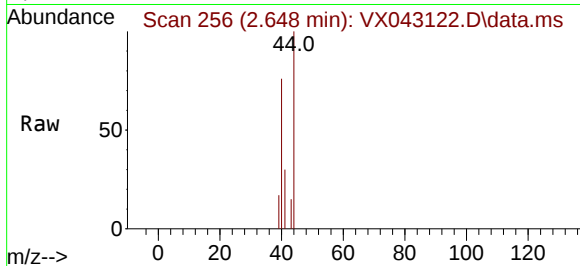




#14
 Allyl chloride
 Concen: 0.203 ug/l
 RT: 2.648 min Scan# 214
 Delta R.T. -0.018 min
 Lab File: VX043122.D
 Acq: 24 Sep 2024 15:03

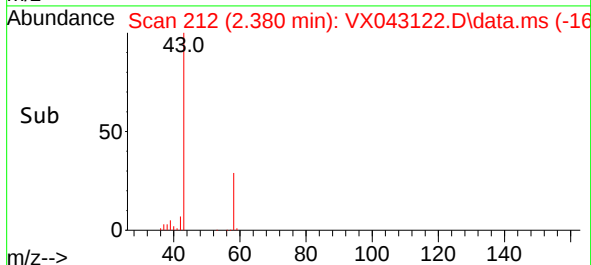
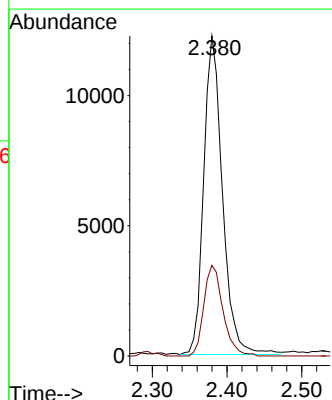
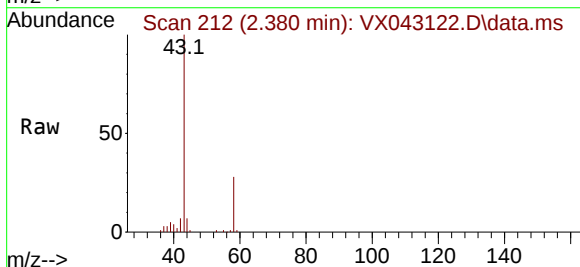
Instrument :
 MSVOA_X
 ClientSampleId :
 STOCK-PILE

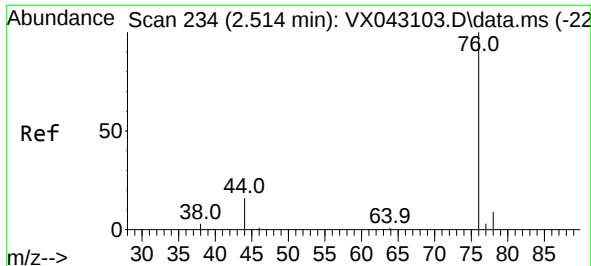
Tgt Ion: 41 Resp: 375
 Ion Ratio Lower Upper
 41 100
 39 33.9 61.7 92.5#
 76 0.0 29.0 43.6#



#16
 Acetone
 Concen: 29.350 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX043122.D
 Acq: 24 Sep 2024 15:03

Tgt Ion: 43 Resp: 21369
 Ion Ratio Lower Upper
 43 100
 58 28.4 22.6 34.0





#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

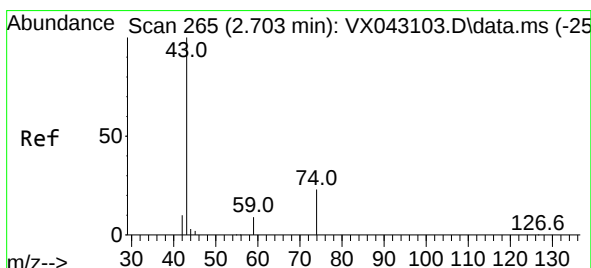
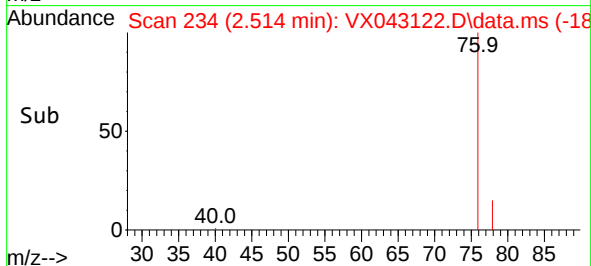
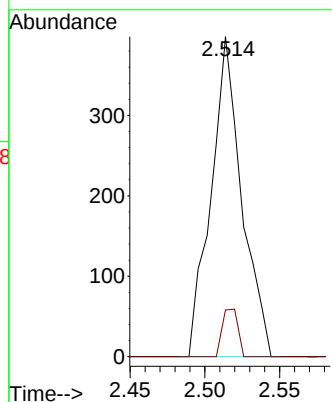
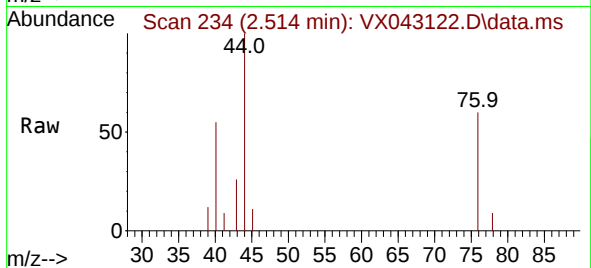
STOCK-PILE

Tgt Ion: 76 Resp: 568

Ion Ratio Lower Upper

76 100

78 14.6 7.2 10.8#



#18

Methyl Acetate

Concen: 0.842 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.012 min

Lab File: VX043122.D

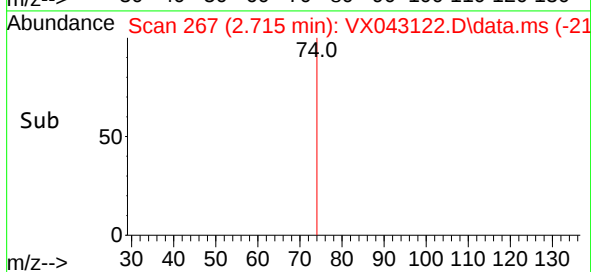
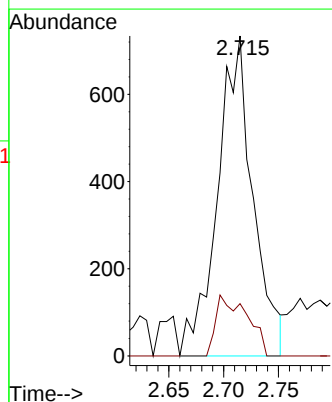
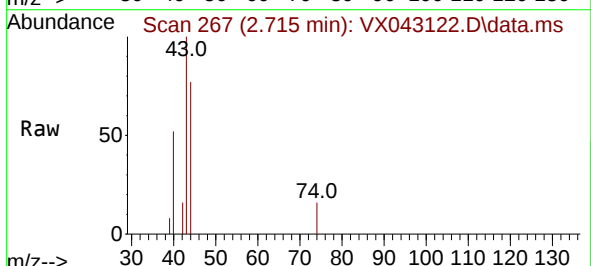
Acq: 24 Sep 2024 15:03

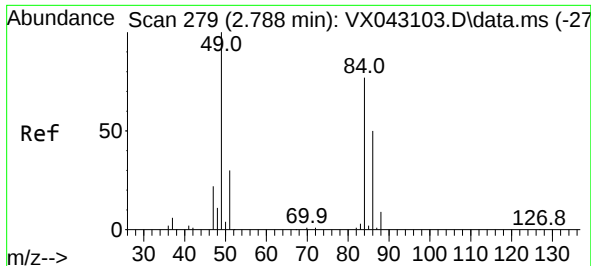
Tgt Ion: 43 Resp: 1650

Ion Ratio Lower Upper

43 100

74 16.8 19.2 28.8#

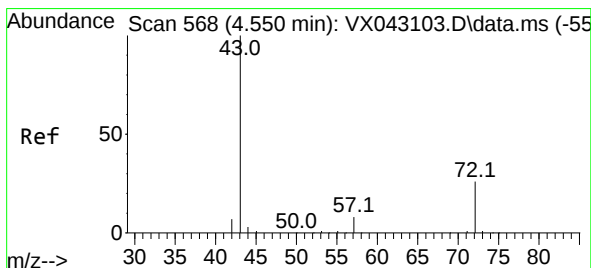
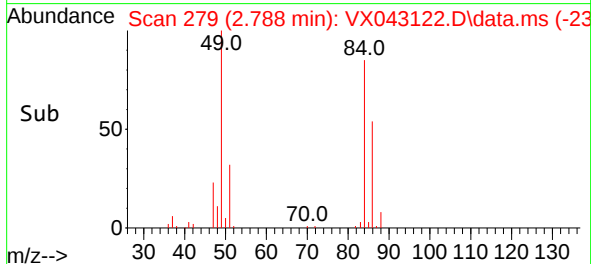
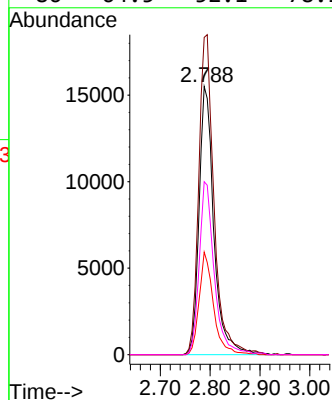
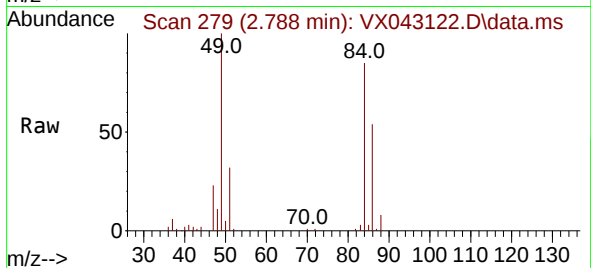




#20
Methylene Chloride
Concen: 27.701 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

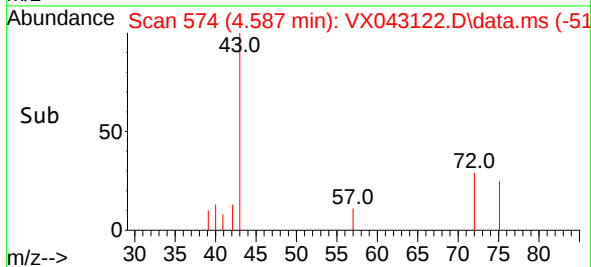
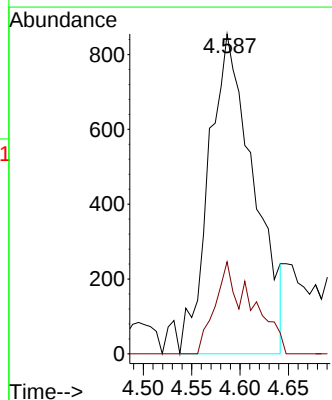
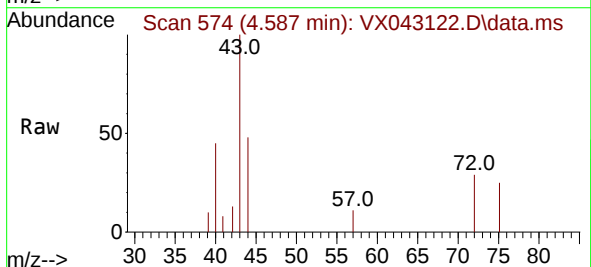
Instrument :
MSVOA_X
ClientSampleId :
STOCK-PILE

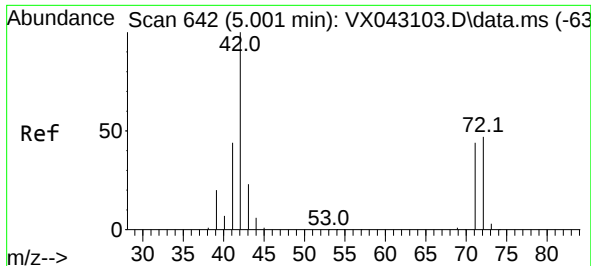
Tgt Ion: 84	Resp: 32087		
Ion	Ratio	Lower	Upper
84	100		
49	118.3	104.1	156.1
51	38.3	31.1	46.7
86	64.5	52.1	78.1



#25
2-Butanone
Concen: 2.943 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.036 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

Tgt Ion: 43	Resp: 2762		
Ion Ratio	Lower	Upper	
43 100			
72 28.8	20.7	31.1	





#29

Tetrahydrofuran

Concen: 0.935 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

STOCK-PILE

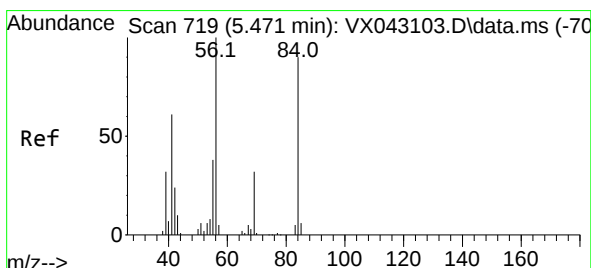
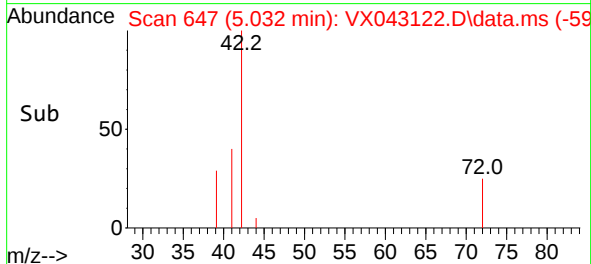
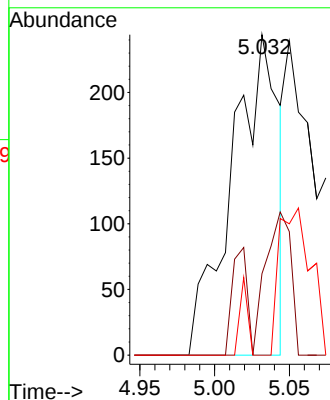
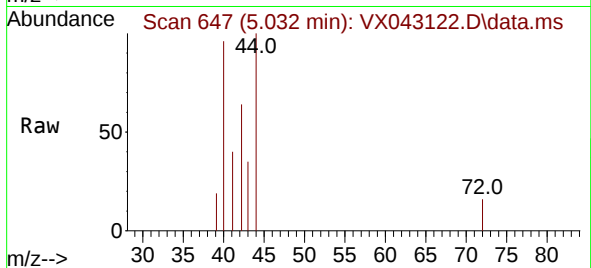
Tgt Ion: 42 Resp: 528

Ion Ratio Lower Upper

42 100

72 24.1 37.6 56.4#

71 0.0 34.8 52.2#



#31

Cyclohexane

Concen: 1.617 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

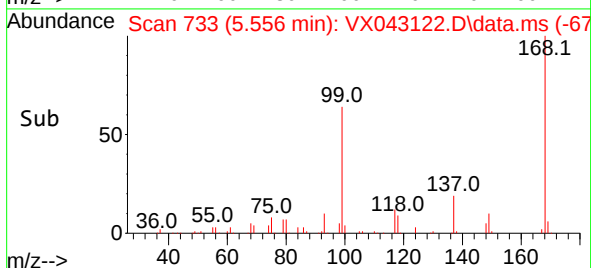
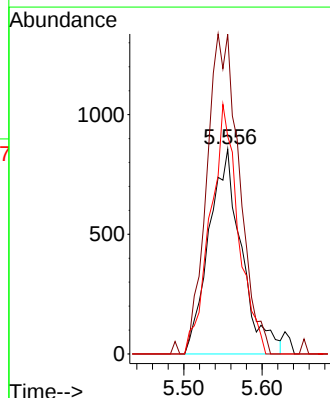
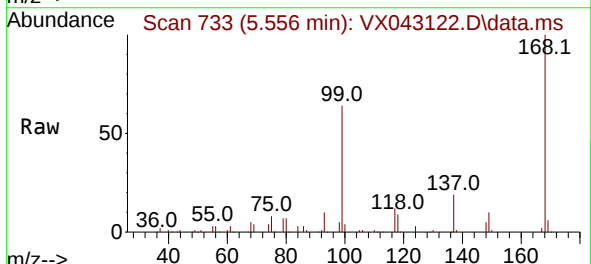
Tgt Ion: 56 Resp: 2476

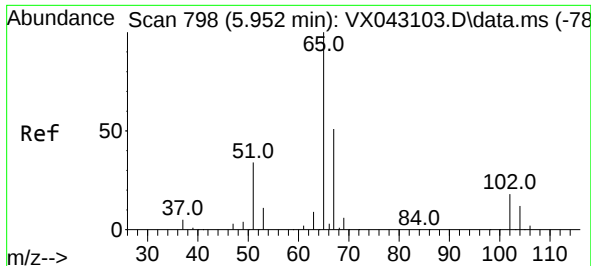
Ion Ratio Lower Upper

56 100

69 156.1 25.8 38.6#

84 106.2 72.4 108.6





#33

1,2-Dichloroethane-d4

Concen: 52.705 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

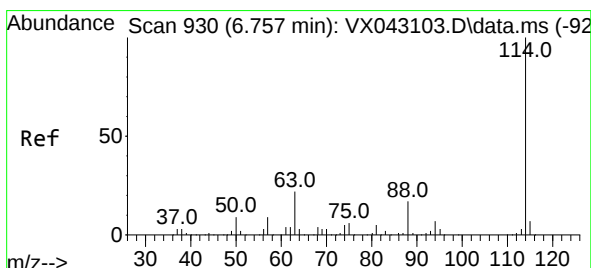
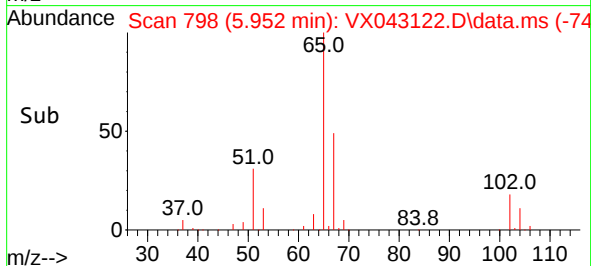
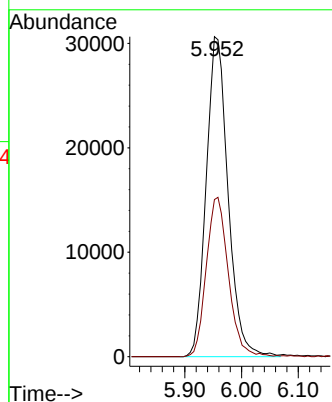
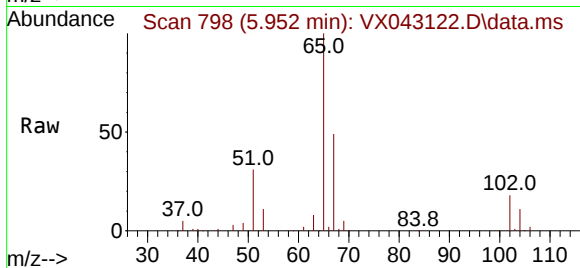
STOCK-PILE

Tgt Ion: 65 Resp: 82053

Ion Ratio Lower Upper

65 100

67 50.3 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

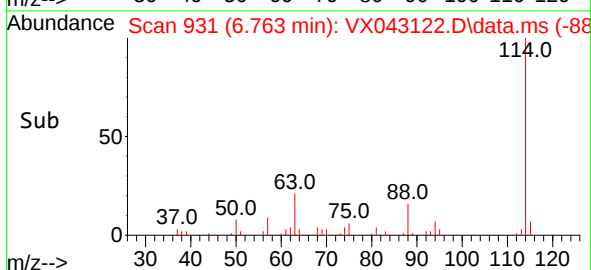
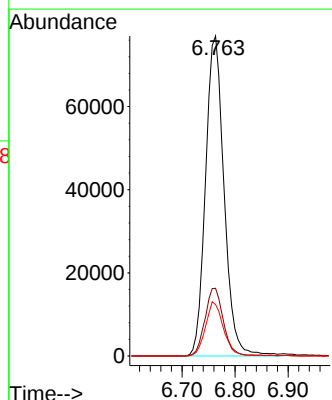
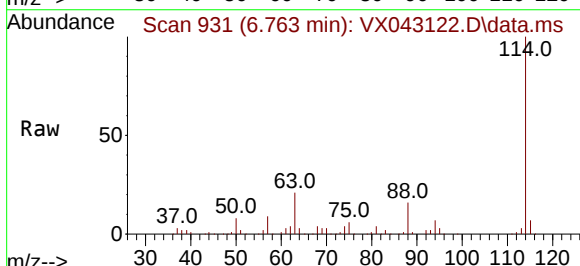
Tgt Ion: 114 Resp: 186902

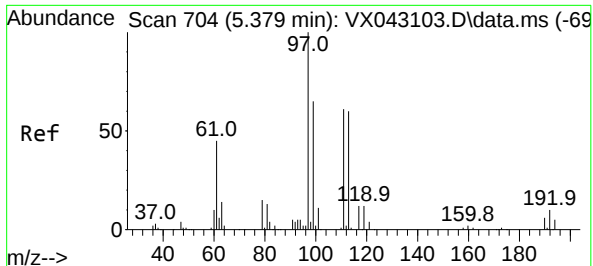
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 16.0 0.0 33.4

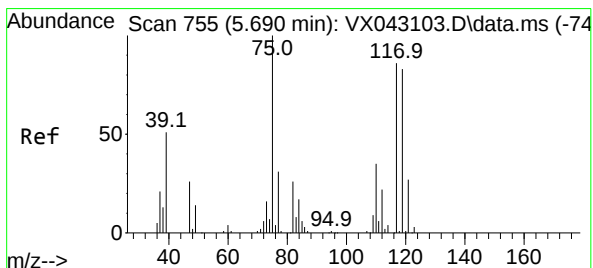
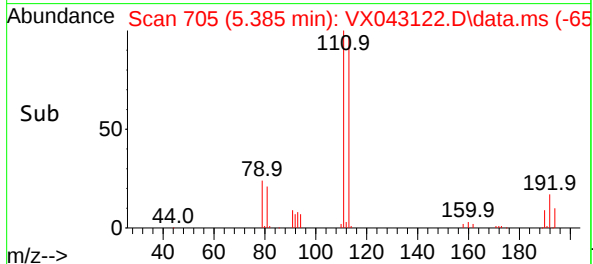
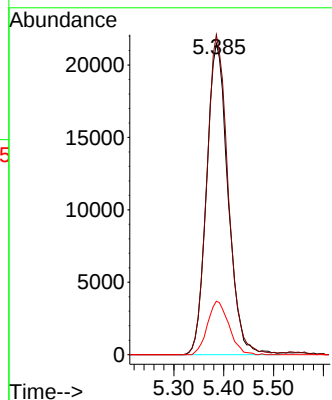
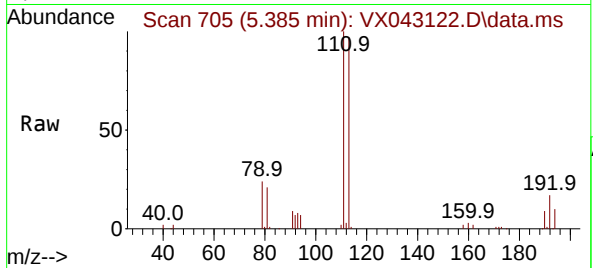




#35
Dibromofluoromethane
Concen: 48.680 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

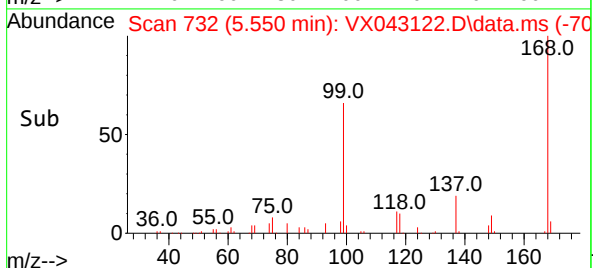
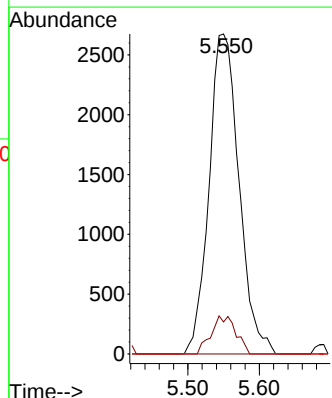
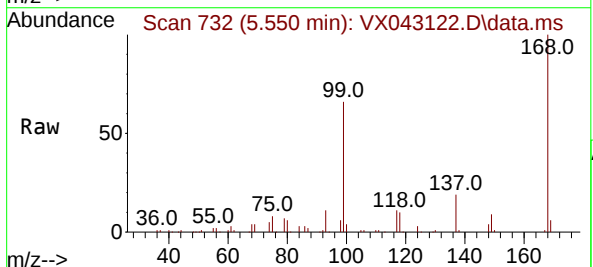
Instrument :
MSVOA_X
ClientSampleId :
STOCK-PILE

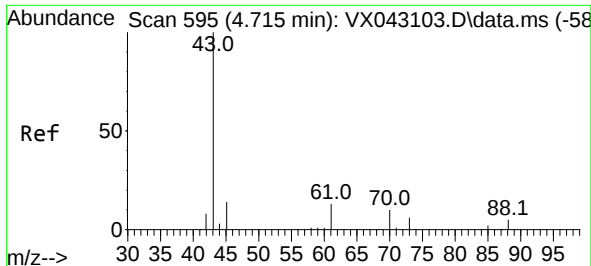
Tgt Ion:113 Resp: 64183
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 17.1 14.6 22.0



#36
1,1-Dichloropropene
Concen: 4.810 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

Tgt Ion: 75 Resp: 7792
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.4#
77 0.0 25.2 37.8#

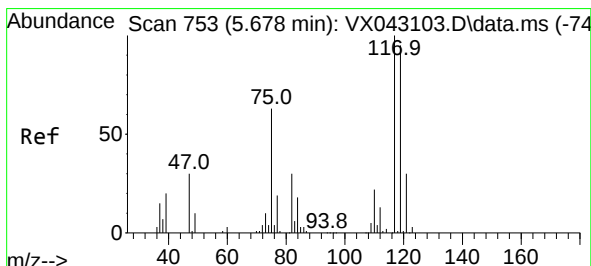
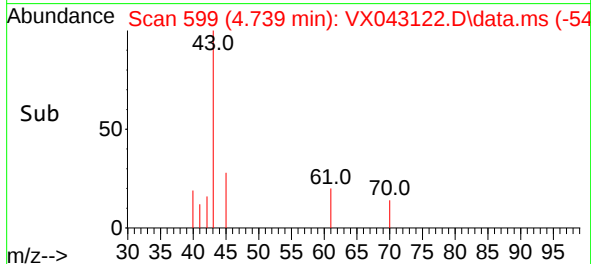
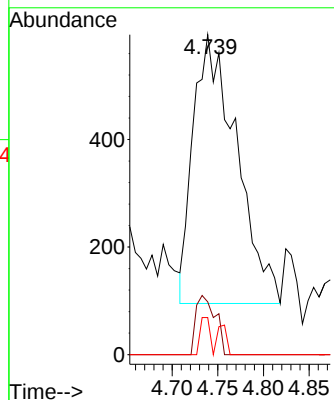
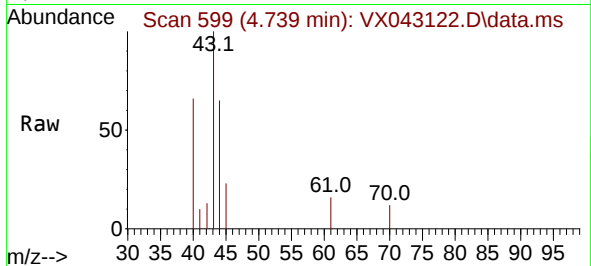




#37
Ethyl Acetate
Concen: 0.805 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.024 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

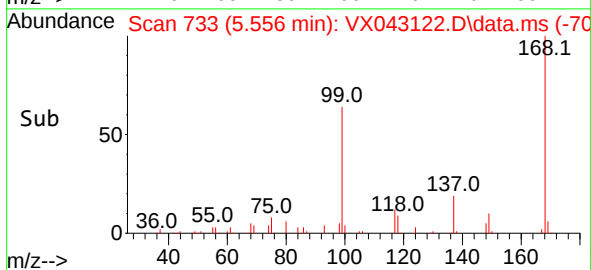
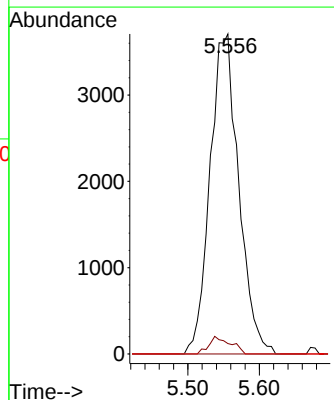
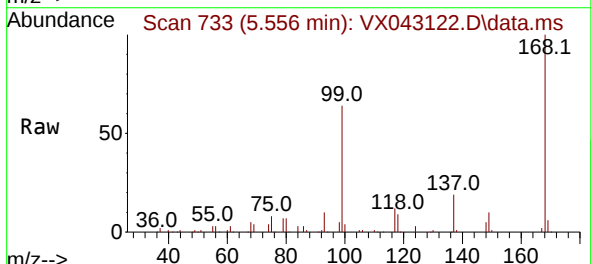
Instrument :
MSVOA_X
ClientSampleId :
STOCK-PILE

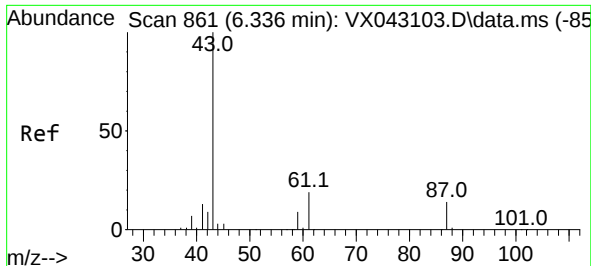
Tgt Ion: 43 Resp: 1638
Ion Ratio Lower Upper
43 100
61 10.0 10.9 16.3#
70 3.1 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 4.953 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

Tgt Ion: 117 Resp: 10337
Ion Ratio Lower Upper
117 100
119 3.2 75.5 113.3#
121 0.0 24.2 36.2#

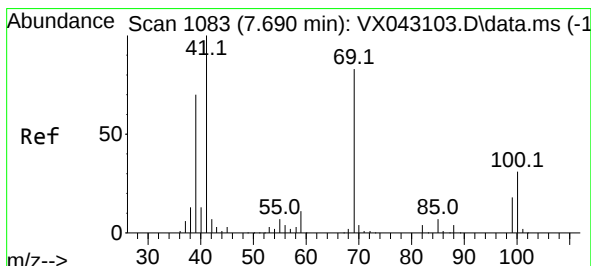
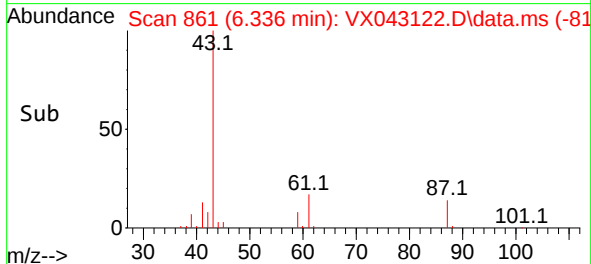
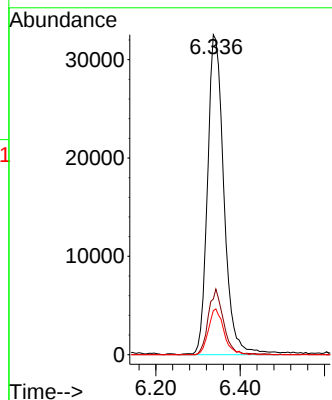
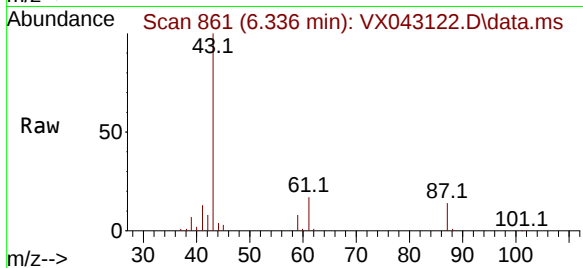




#43
Isopropyl Acetate
Concen: 25.915 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

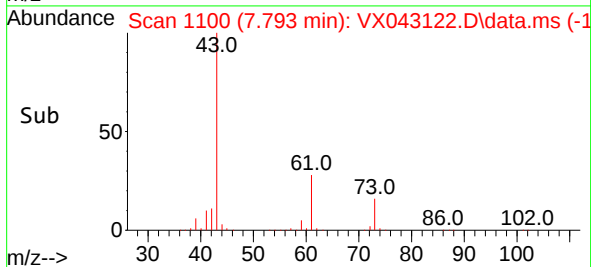
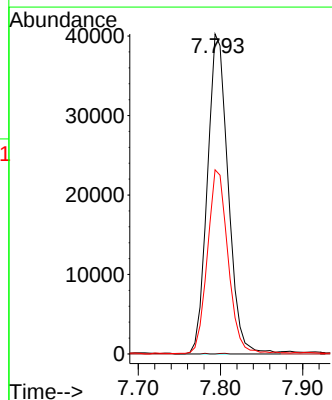
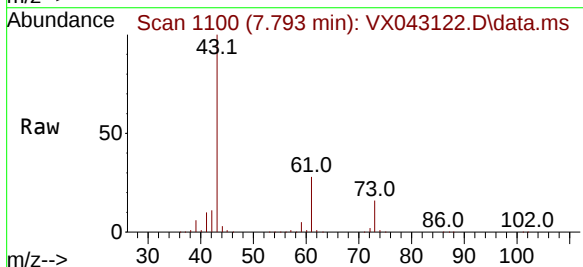
Instrument :
MSVOA_X
ClientSampleId :
STOCK-PILE

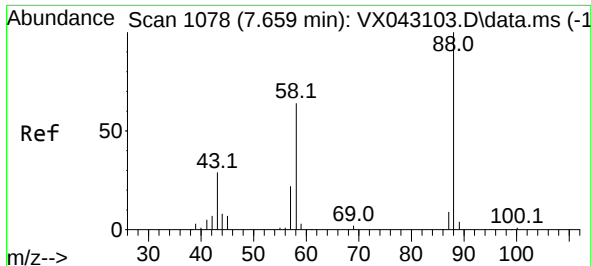
Tgt Ion: 43 Resp: 88085
Ion Ratio Lower Upper
43 100
61 18.9 15.0 22.6
87 13.4 10.6 16.0



#48
Methyl methacrylate
Concen: 42.289 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

Tgt Ion: 41 Resp: 70600
Ion Ratio Lower Upper
41 100
69 0.1 65.0 97.6#
39 57.0 55.0 82.6





#49

1,4-Dioxane

Concen: 3.110 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

STOCK-PILE

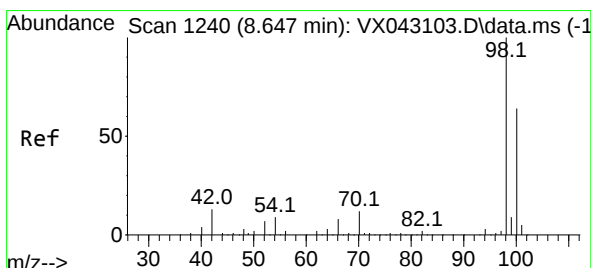
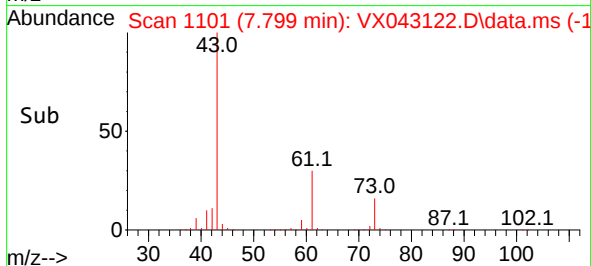
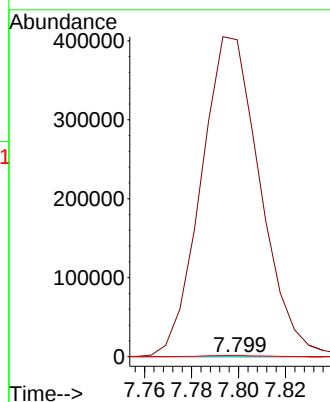
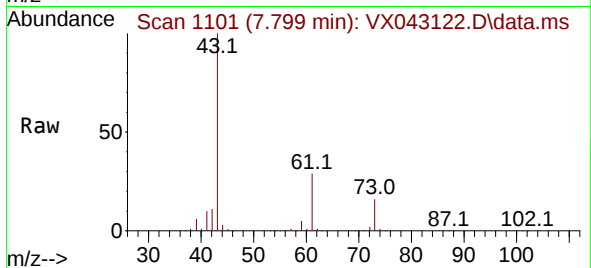
Tgt Ion: 88 Resp: 98

Ion Ratio Lower Upper

88 100

43 734880.6 29.5 44.3#

58 2730.6 52.5 78.7#



#50

Toluene-d8

Concen: 50.937 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043122.D

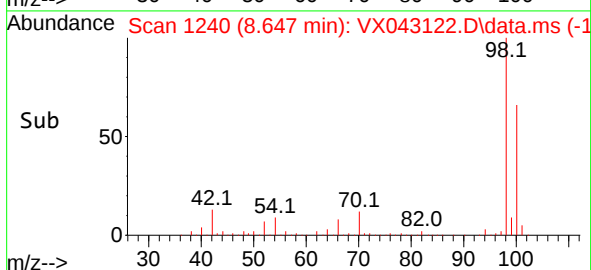
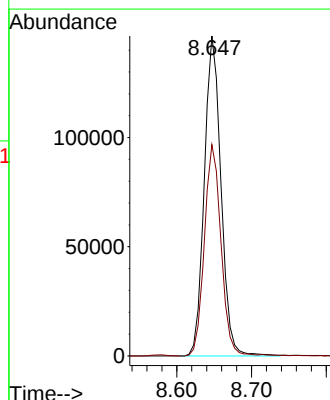
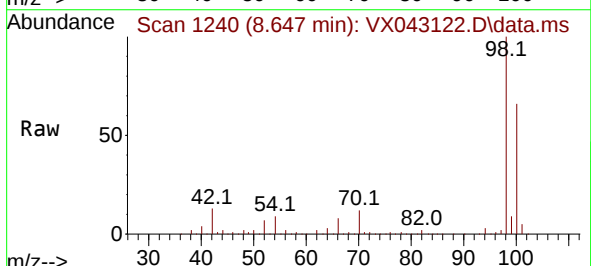
Acq: 24 Sep 2024 15:03

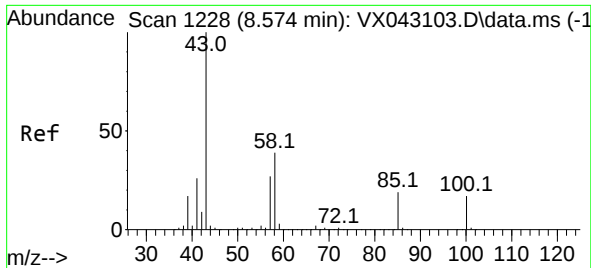
Tgt Ion: 98 Resp: 227215

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4

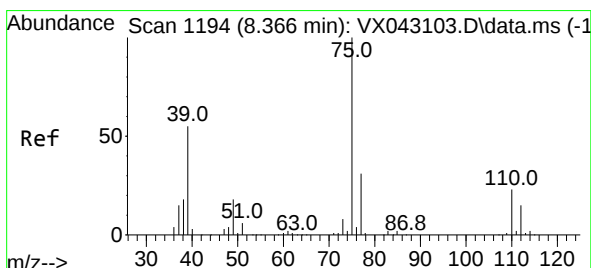
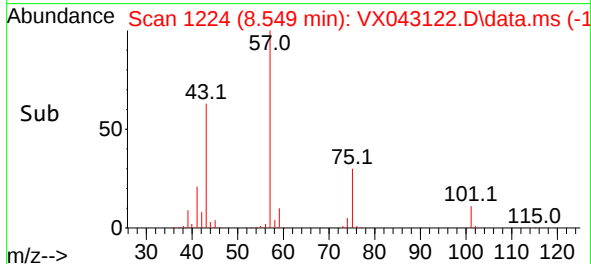
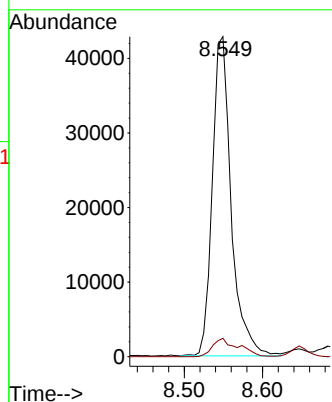
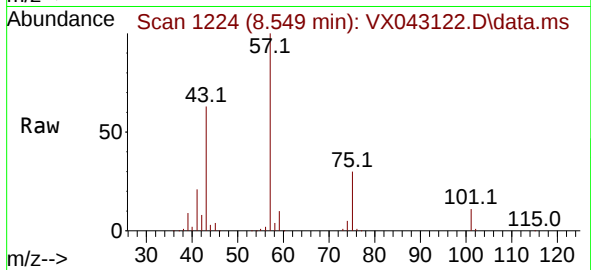




#51
4-Methyl-2-Pentanone
Concen: 34.342 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

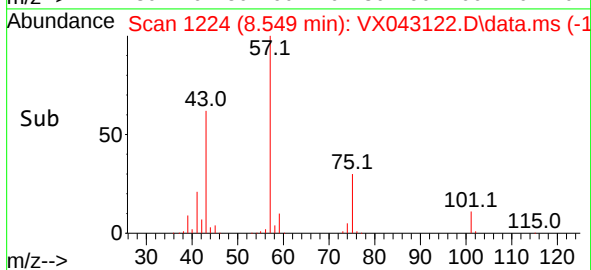
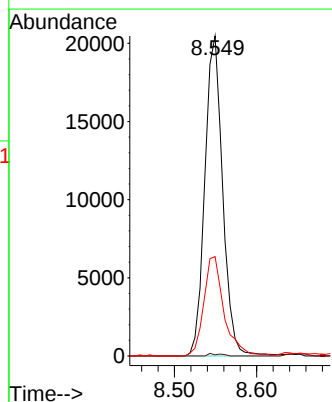
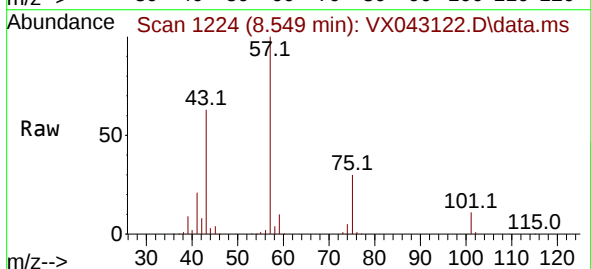
Instrument :
MSVOA_X
ClientSampleId :
STOCK-PILE

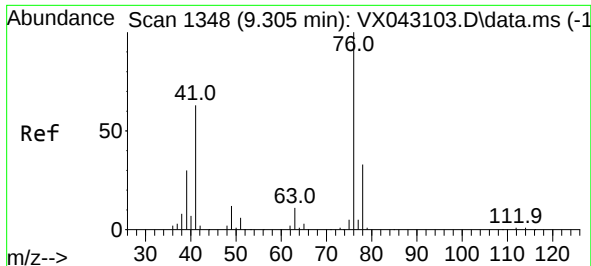
Tgt Ion: 43 Resp: 71708
Ion Ratio Lower Upper
43 100
58 7.9 30.3 45.5#



#54
cis-1,3-Dichloropropene
Concen: 14.421 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

Tgt Ion: 75 Resp: 30824
Ion Ratio Lower Upper
75 100
77 0.4 24.8 37.2#
39 31.1 43.8 65.8#





#57

1,3-Dichloropropane

Concen: 1.744 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

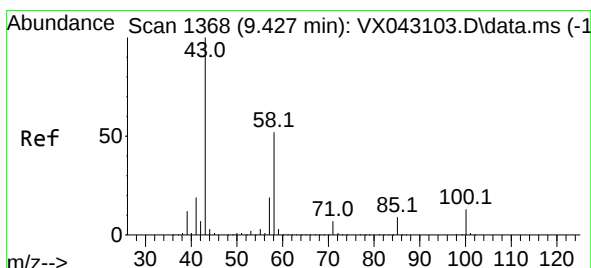
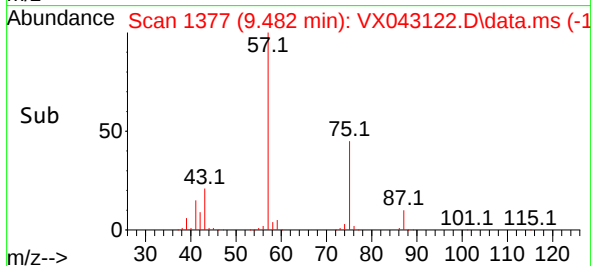
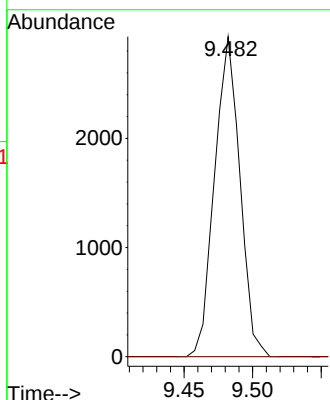
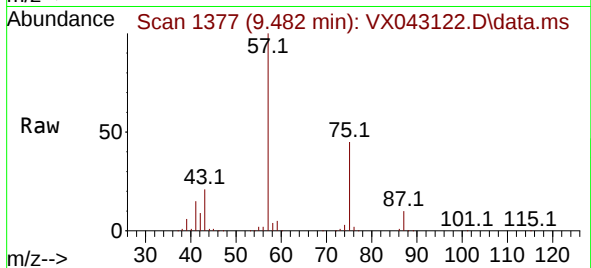
STOCK-PILE

Tgt Ion: 76 Resp: 3761

Ion Ratio Lower Upper

76 100

78 0.0 26.5 39.7#



#59

2-Hexanone

Concen: 31.907 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX043122.D

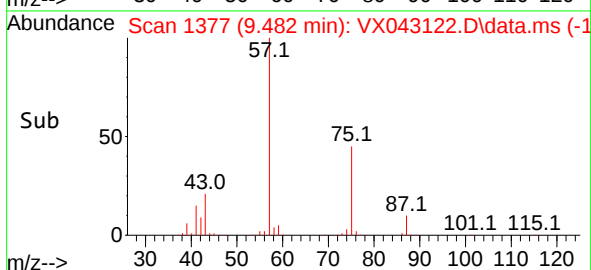
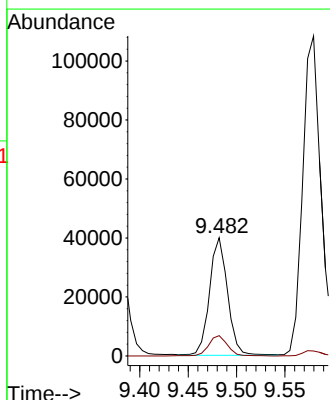
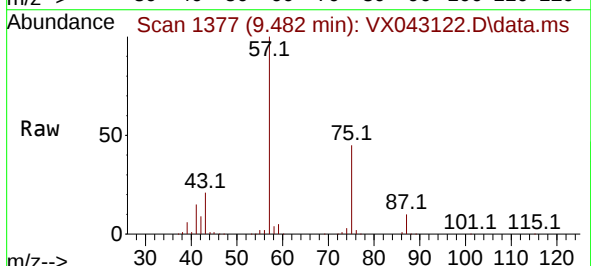
Acq: 24 Sep 2024 15:03

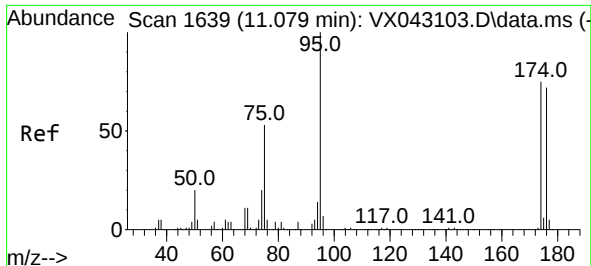
Tgt Ion: 43 Resp: 52095

Ion Ratio Lower Upper

43 100

58 18.1 26.1 78.2#





#62

4-Bromofluorobenzene

Concen: 52.384 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

STOCK-PILE

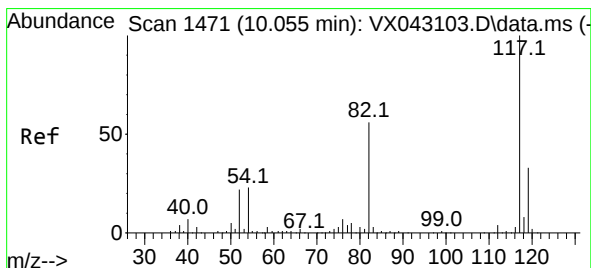
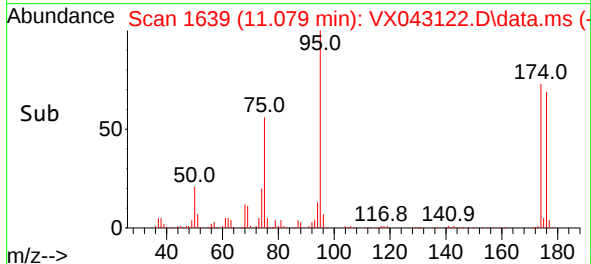
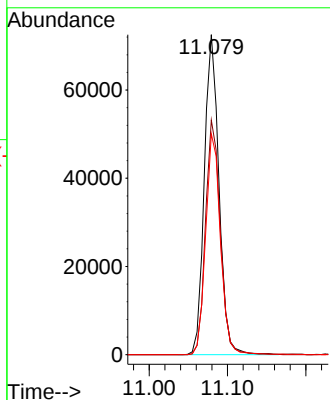
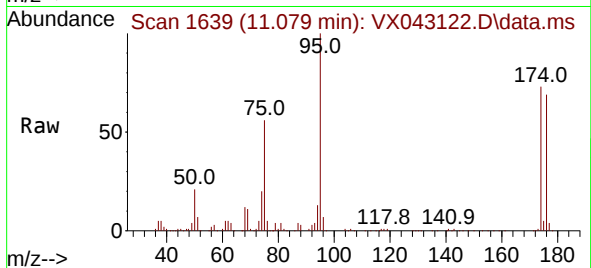
Tgt Ion: 95 Resp: 94102

Ion Ratio Lower Upper

95 100

174 74.1 0.0 146.0

176 69.8 0.0 142.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

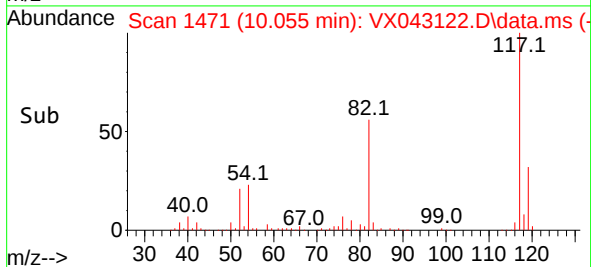
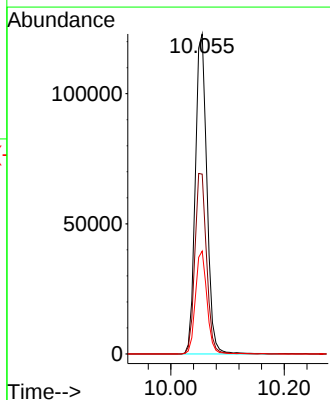
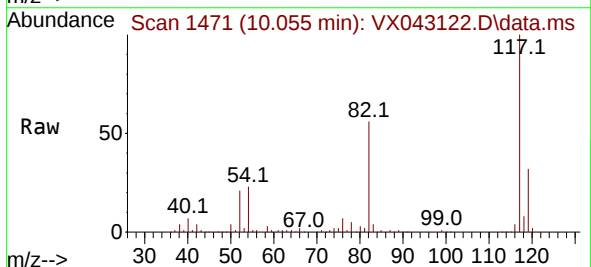
Tgt Ion: 117 Resp: 174097

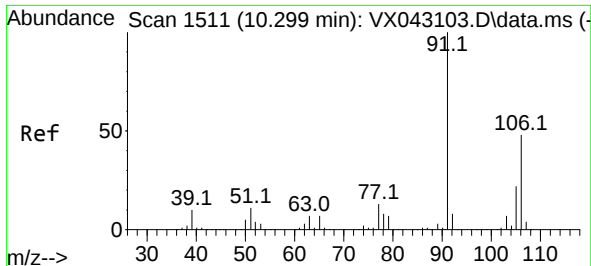
Ion Ratio Lower Upper

117 100

82 56.2 44.7 67.1

119 32.2 26.3 39.5

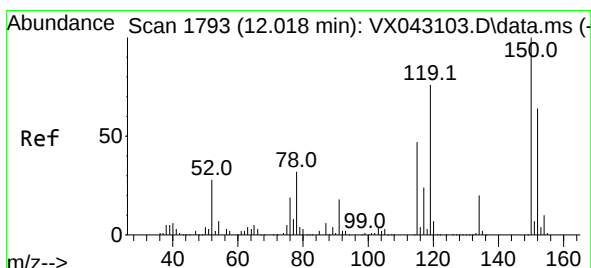
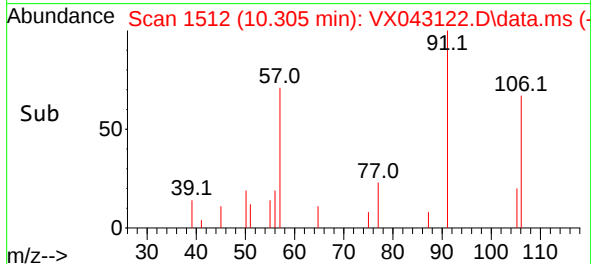
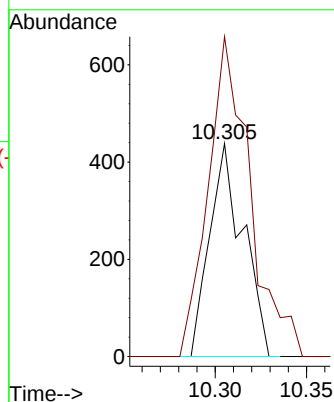
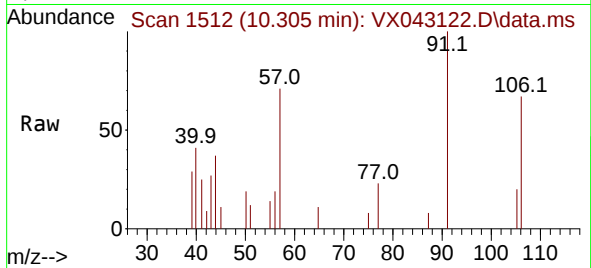




#68
m/p-Xylenes
Concen: 0.232 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

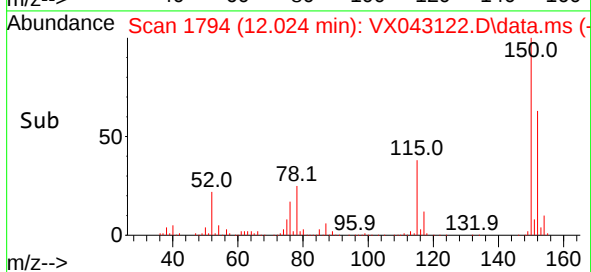
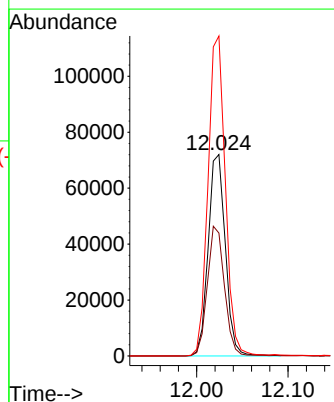
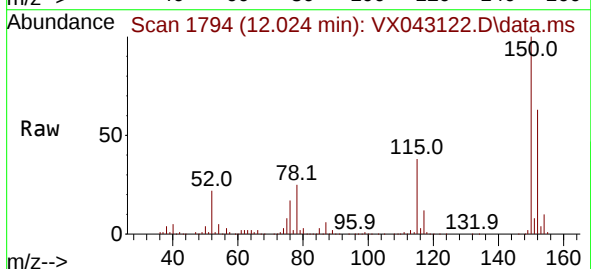
Instrument :
MSVOA_X
ClientSampleId :
STOCK-PILE

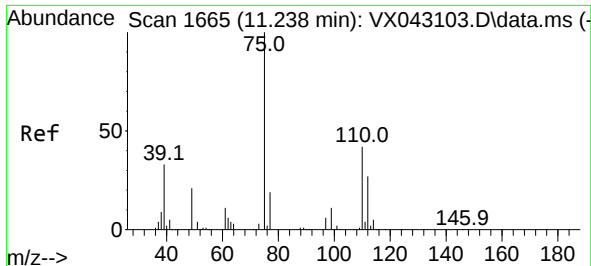
Tgt Ion:106 Resp: 560
Ion Ratio Lower Upper
106 100
91 187.7 167.5 251.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

Tgt Ion:152 Resp: 93774
Ion Ratio Lower Upper
152 100
115 64.4 43.7 131.1
150 160.0 0.0 344.6

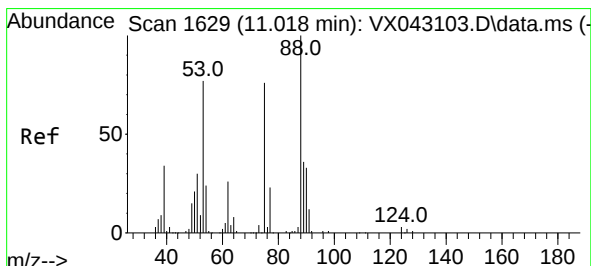
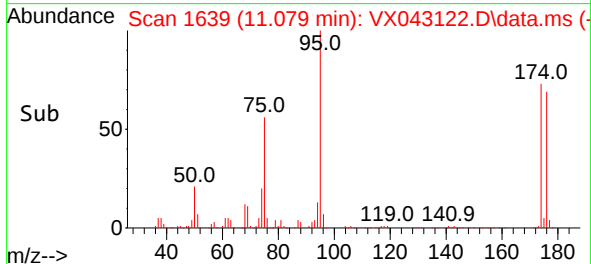
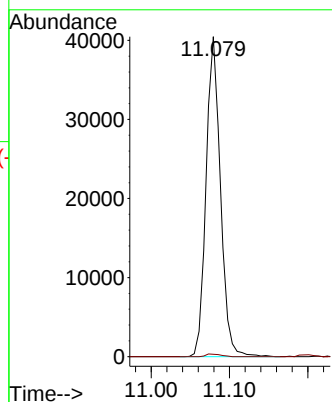
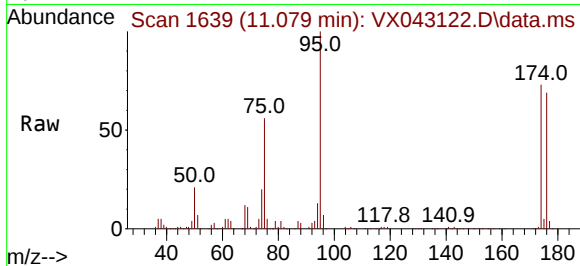




#76
1,2,3-Trichloropropane
Concen: 25.803 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

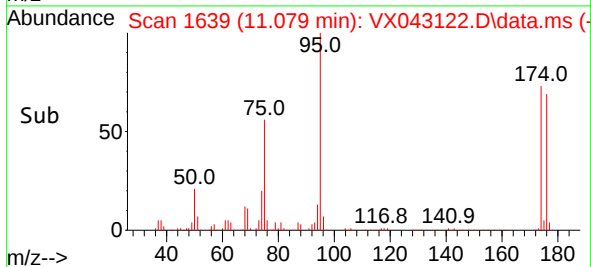
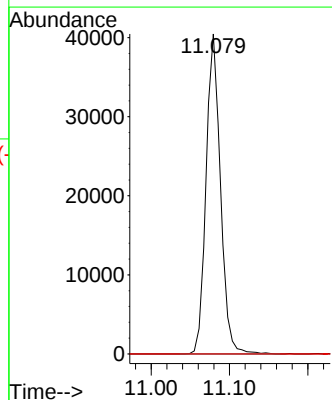
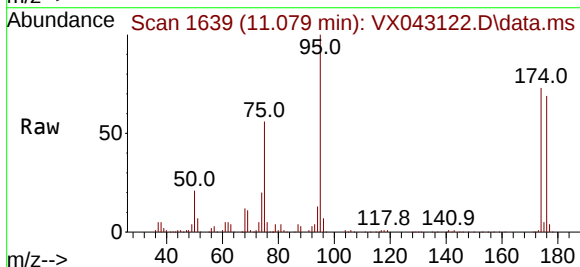
Instrument :
MSVOA_X
ClientSampleId :
STOCK-PILE

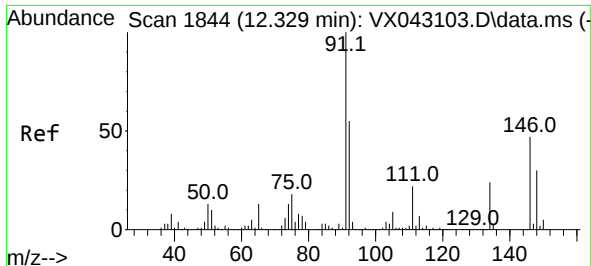
Tgt Ion: 75 Resp: 51444
Ion Ratio Lower Upper
75 100
77 0.9 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.479 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043122.D
Acq: 24 Sep 2024 15:03

Tgt Ion: 75 Resp: 51444
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.0 38.8 58.2#





#89

n-Butylbenzene

Concen: 0.221 ug/l

RT: 12.335 min Scan# 1179

Delta R.T. 0.006 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

Instrument :

MSVOA_X

ClientSampleId :

STOCK-PILE

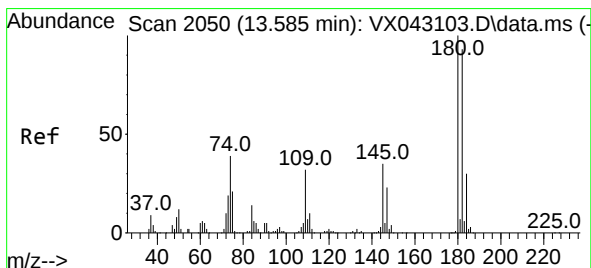
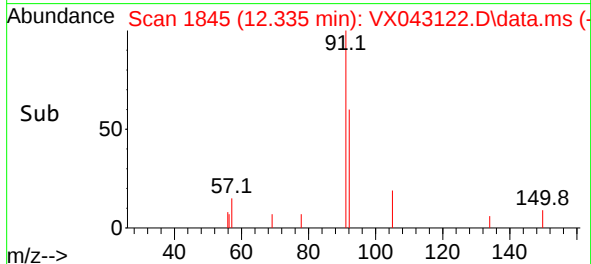
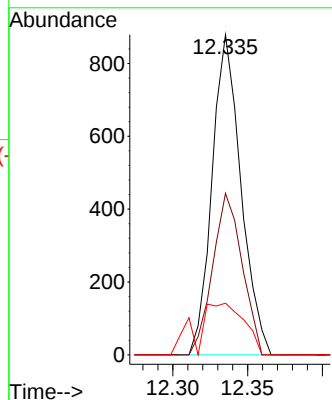
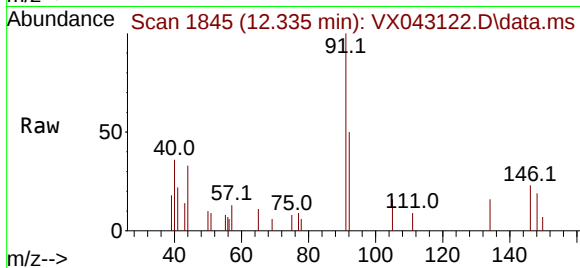
Tgt Ion: 91 Resp: 1179

Ion Ratio Lower Upper

91 100

92 51.3 26.9 80.7

134 26.4 12.6 37.6



#93

1,2,4-Trichlorobenzene

Concen: 0.340 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

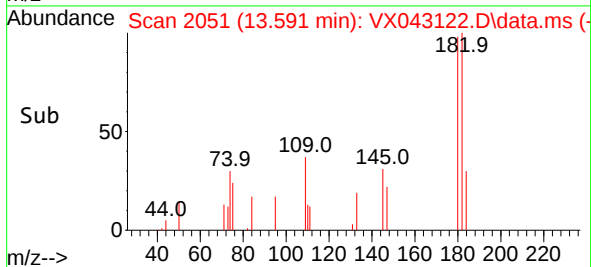
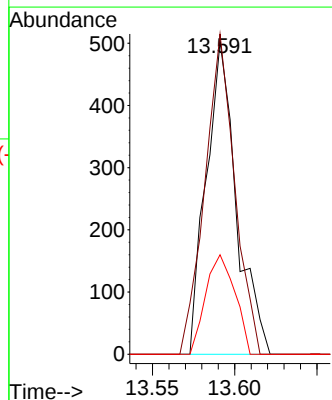
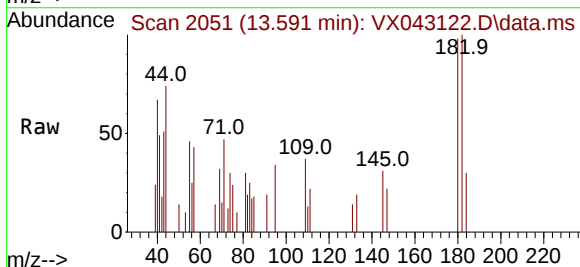
Tgt Ion: 180 Resp: 639

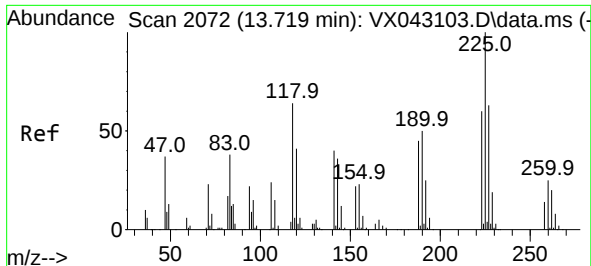
Ion Ratio Lower Upper

180 100

182 101.6 46.7 140.0

145 31.0 17.0 50.9





#94

Hexachlorobutadiene

Concen: 0.248 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.000 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

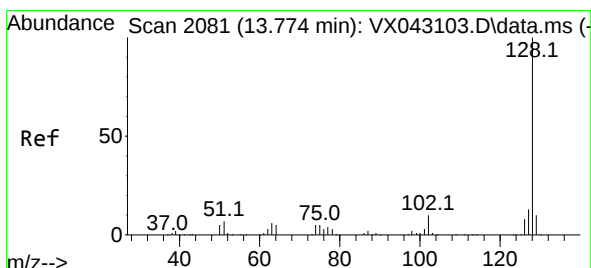
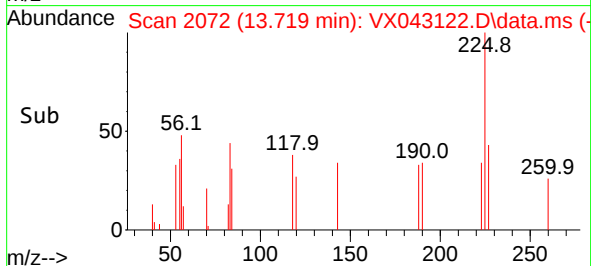
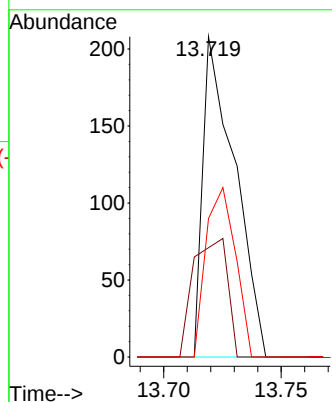
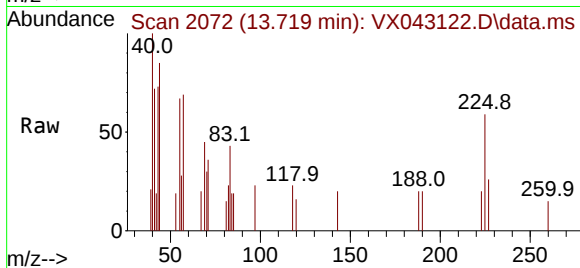
Instrument :

MSVOA_X

ClientSampleId :

STOCK-PILE

Tgt Ion:	225	Resp:	196
Ion	Ratio	Lower	Upper
225	100		
223	39.8	31.8	95.4
227	49.0	31.9	95.7



#95

Naphthalene

Concen: 0.299 ug/l

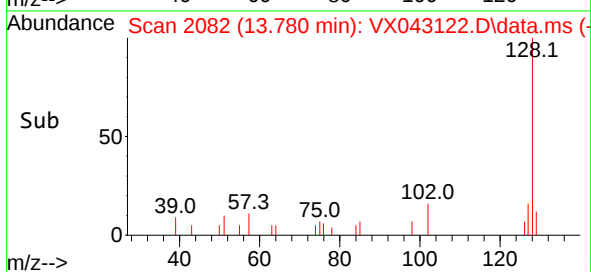
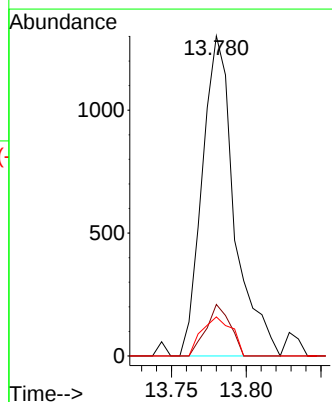
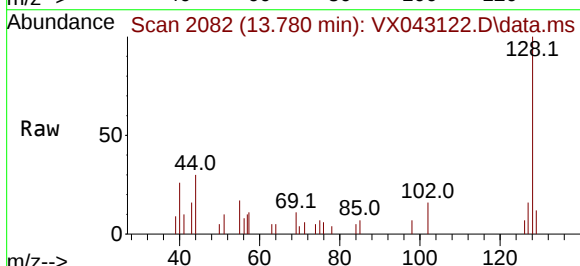
RT: 13.780 min Scan# 2082

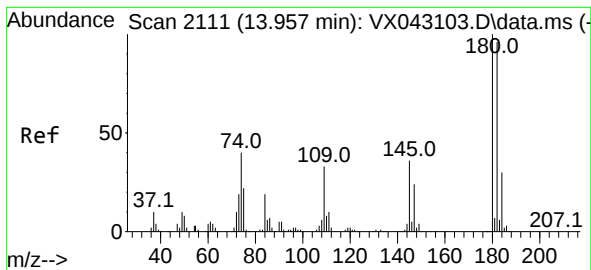
Delta R.T. 0.006 min

Lab File: VX043122.D

Acq: 24 Sep 2024 15:03

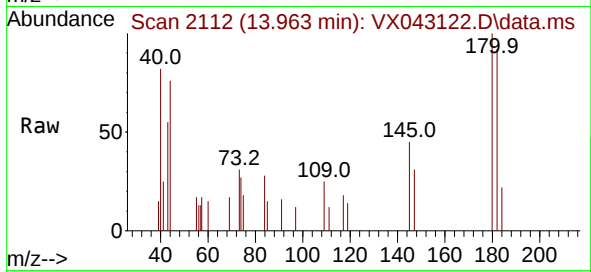
Tgt Ion:	128	Resp:	1951
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	11.4	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.315 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX043122.D
 Acq: 24 Sep 2024 15:03

Instrument :
 MSVOA_X
 ClientSampleId :
 STOCK-PILE



Tgt Ion:	180	Resp:	588
Ion	Ratio	Lower	Upper
180	100		
182	83.7	47.8	143.4
145	25.3	17.7	53.1

