

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
 Data File : VX043955.D
 Acq On : 22 Nov 2024 13:25
 Operator : JC/MD
 Sample : P4947-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A3988

Quant Time: Nov 22 22:21:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

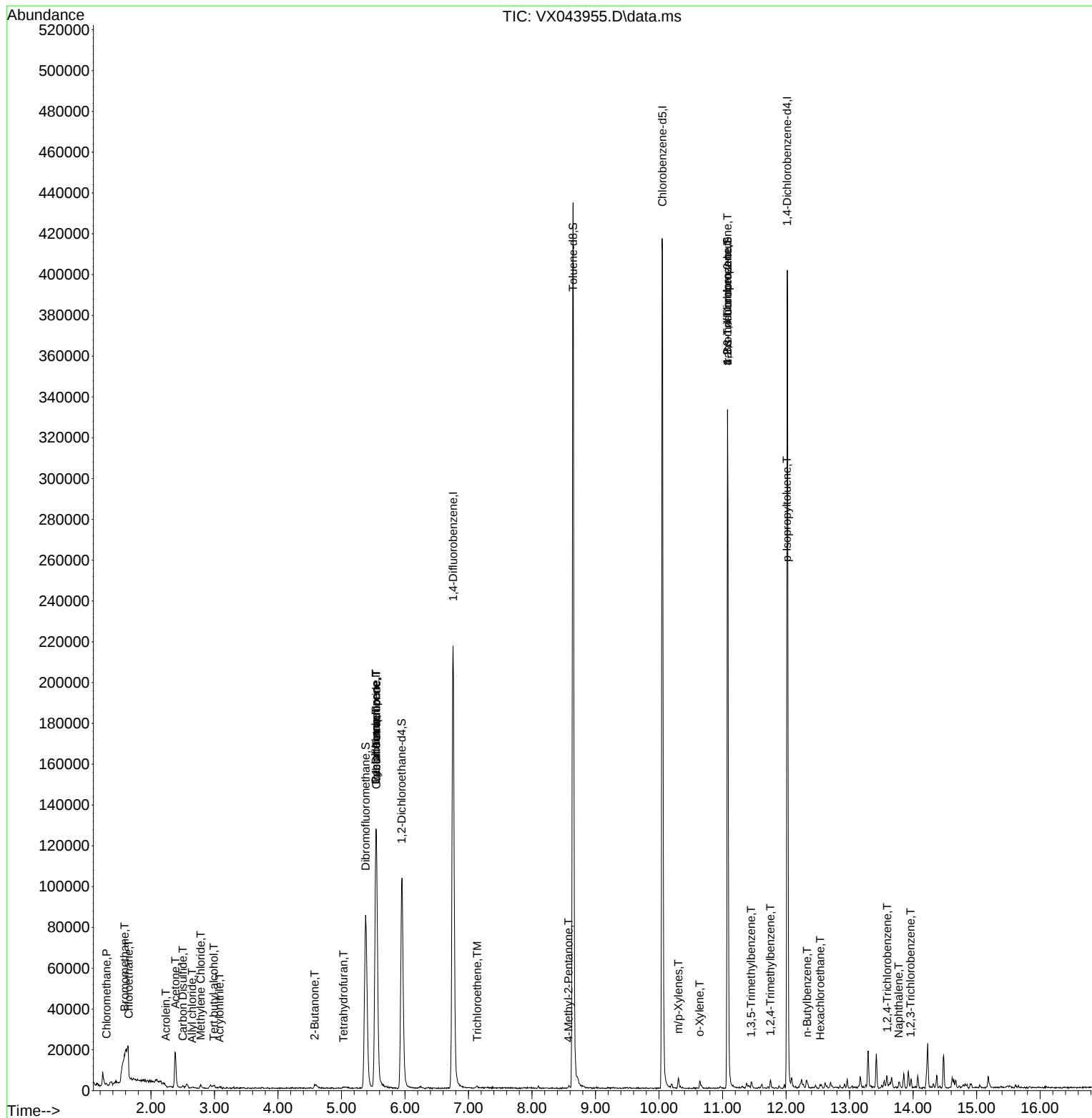
Internal Standards						
1) Pentafluorobenzene	5.544	168	113610	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	217300	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	188960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	98276	50.434	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.860%			
35) Dibromofluoromethane	5.379	113	72758	46.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.720%			
50) Toluene-d8	8.647	98	262229	48.993	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.980%			
62) 4-Bromofluorobenzene	11.079	95	87848	48.227	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.460%			
Target Compounds					Qvalue	
3) Chloromethane	1.301	50	843	0.557	ug/l #	83
5) Bromomethane	1.587	94	609	0.615	ug/l #	27
6) Chloroethane	1.648	64	203	0.207	ug/l	94
11) Tert butyl alcohol	2.989	59	2312	7.392	ug/l #	93
13) Acrolein	2.233	56	152	0.461	ug/l #	6
14) Allyl chloride	2.648	41	444	0.208	ug/l #	37
15) Acrylonitrile	3.081	53	170	0.223	ug/l #	77
16) Acetone	2.386	43	18996	21.225	ug/l	99
17) Carbon Disulfide	2.502	76	1018	0.377	ug/l	99
20) Methylene Chloride	2.782	84	437	0.288	ug/l #	84
25) 2-Butanone	4.574	43	1515	1.312	ug/l #	82
29) Tetrahydrofuran	5.032	42	923	1.304	ug/l #	42
31) Cyclohexane	5.544	56	3208	1.477	ug/l #	37
36) 1,1-Dichloropropene	5.544	75	11172	5.774	ug/l #	47
38) Carbon Tetrachloride	5.550	117	12903	5.935	ug/l #	17
44) Trichloroethene	7.135	130	343	0.201	ug/l	21
51) 4-Methyl-2-Pentanone	8.574	43	758	0.325	ug/l #	83
68) m/p-Xylenes	10.305	106	1172	0.447	ug/l	79
69) o-Xylene	10.640	106	951	0.371	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	49147	28.831	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.451	105	1247	0.254	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	49147	78.674	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	2027	0.414	ug/l	99
86) p-Isopropyltoluene	12.012	119	1149	0.237	ug/l #	67
89) n-Butylbenzene	12.329	91	1051	0.246	ug/l #	69
90) Hexachloroethane	12.536	117	224	0.272	ug/l #	18
93) 1,2,4-Trichlorobenzene	13.591	180	415	0.269	ug/l	93
95) Naphthalene	13.774	128	2417	0.435	ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	362	0.232	ug/l #	27

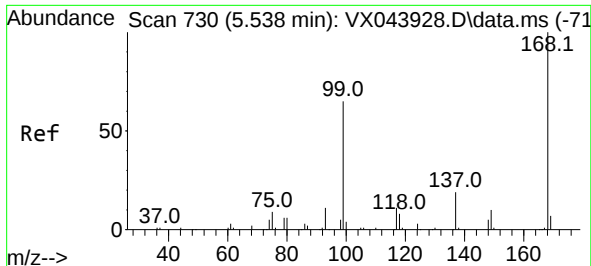
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration

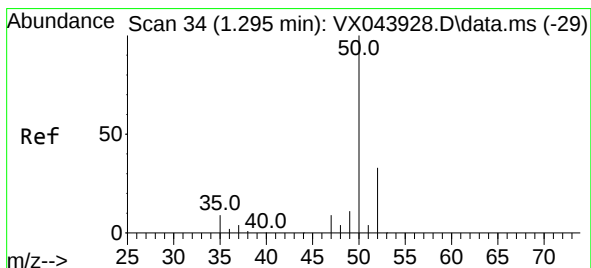
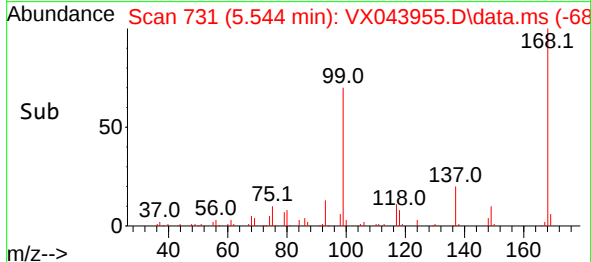
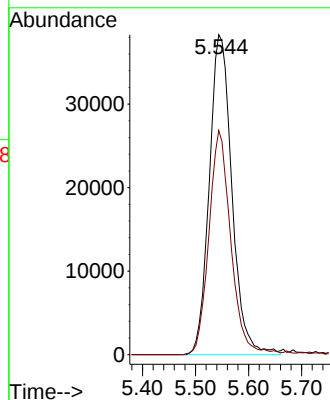
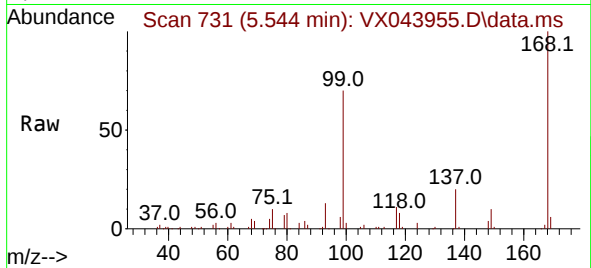




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

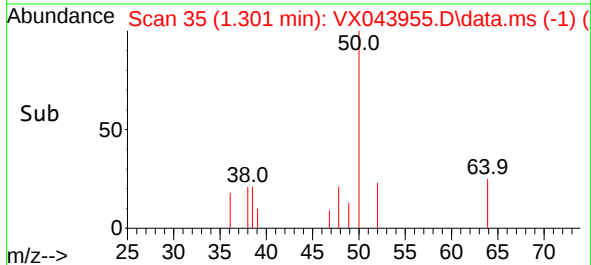
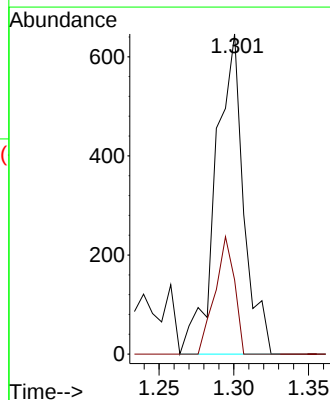
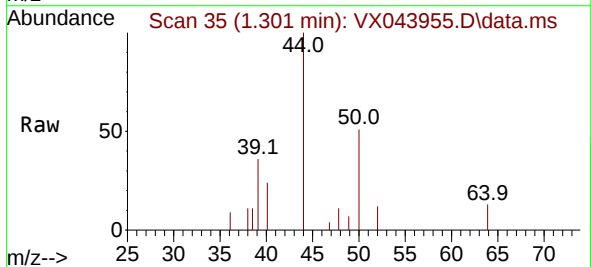
Instrument :
MSVOA_X
ClientSampleId :
A3988

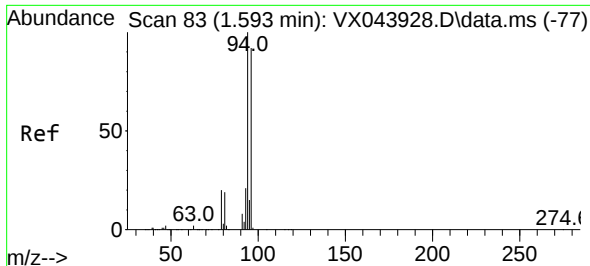
Tgt Ion:168 Resp: 113610
Ion Ratio Lower Upper
168 100
99 70.0 51.8 77.8



#3
Chloromethane
Concen: 0.557 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

Tgt Ion: 50 Resp: 843
Ion Ratio Lower Upper
50 100
52 23.2 26.1 39.1#

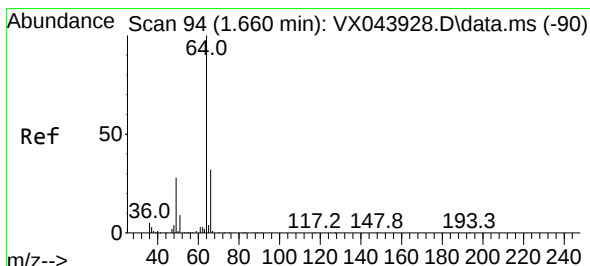
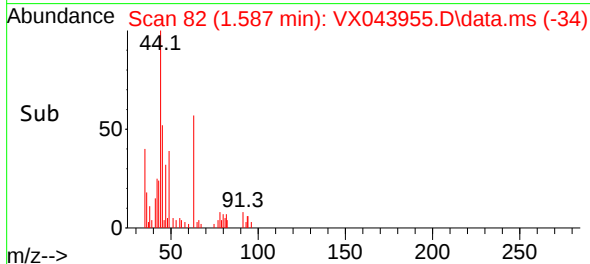
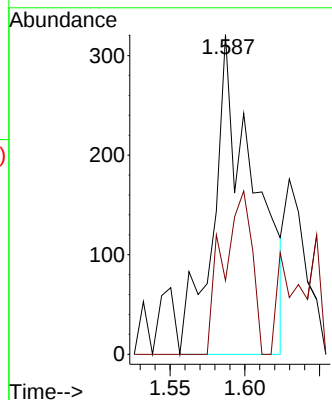
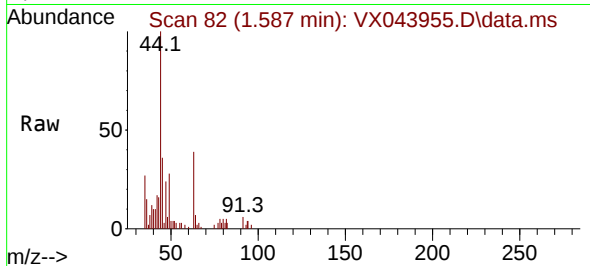




#5
Bromomethane
Concen: 0.615 ug/l
RT: 1.587 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

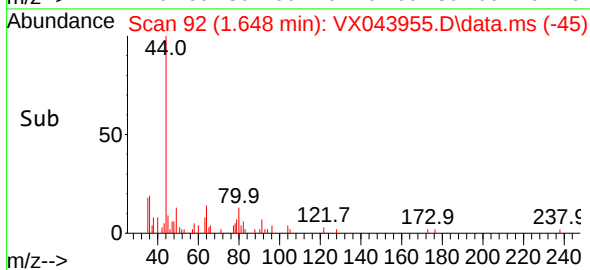
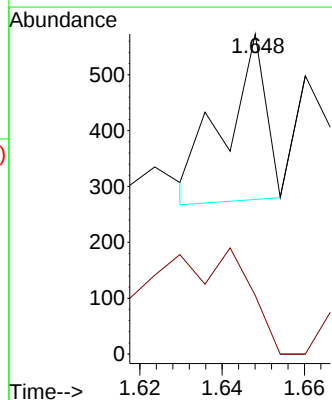
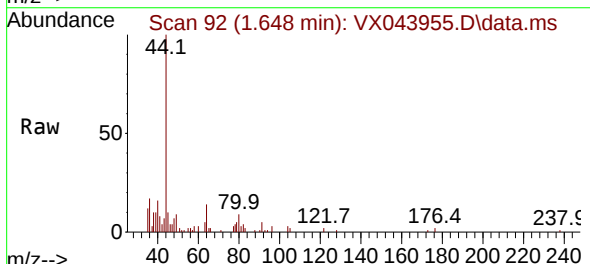
Instrument :
MSVOA_X
ClientSampleId :
A3988

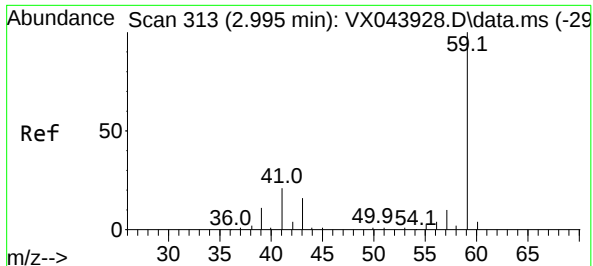
Tgt Ion: 94 Resp: 609
Ion Ratio Lower Upper
94 100
96 23.1 73.9 110.9#



#6
Chloroethane
Concen: 0.207 ug/l
RT: 1.648 min Scan# 92
Delta R.T. -0.012 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

Tgt Ion: 64 Resp: 203
Ion Ratio Lower Upper
64 100
66 35.8 25.9 38.9





#11

Tert butyl alcohol

Concen: 7.392 ug/l

RT: 2.989 min Scan# 313

Delta R.T. -0.006 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

Instrument :

MSVOA_X

ClientSampleId :

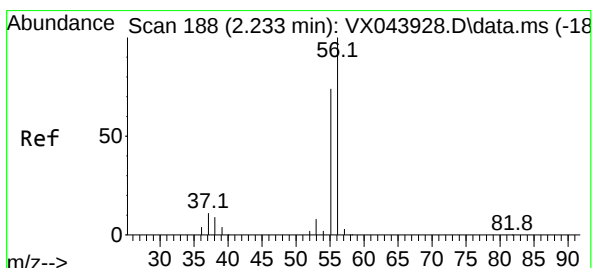
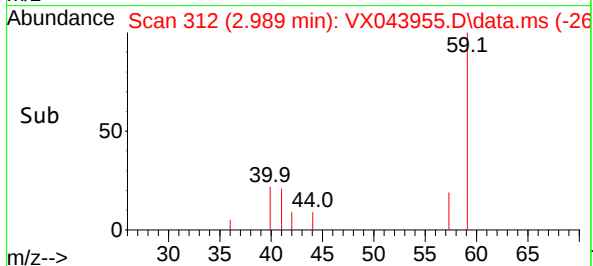
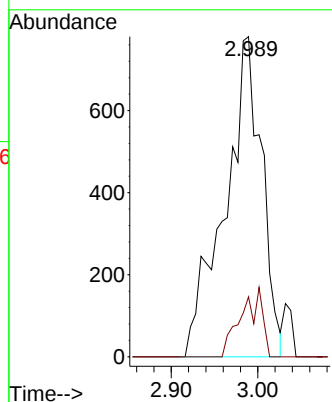
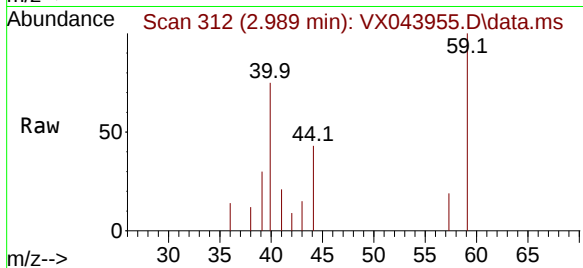
A3988

Tgt Ion: 59 Resp: 2312

Ion Ratio Lower Upper

59 100

57 12.5 7.9 11.9#



#13

Acrolein

Concen: 0.461 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX043955.D

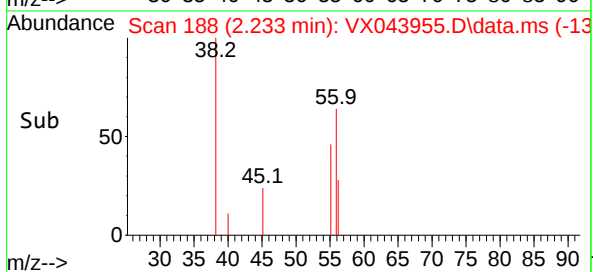
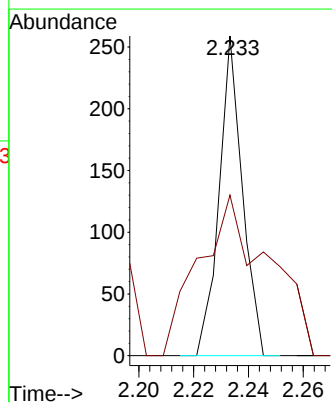
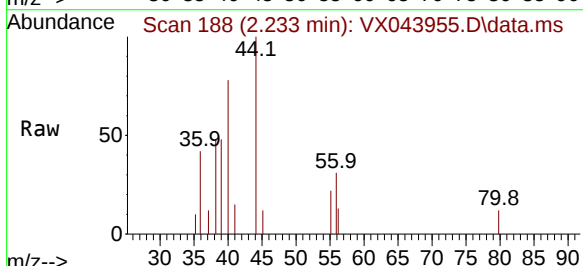
Acq: 22 Nov 2024 13:25

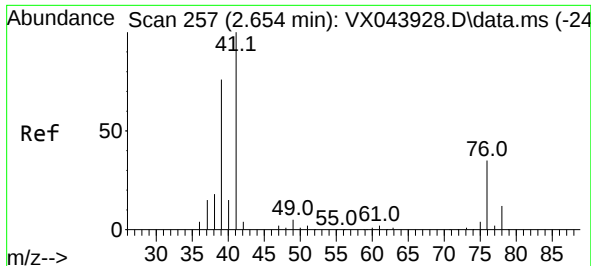
Tgt Ion: 56 Resp: 152

Ion Ratio Lower Upper

56 100

55 151.3 58.2 87.2#





#14

Allyl chloride

Concen: 0.208 ug/l

RT: 2.648 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

Instrument :

MSVOA_X

ClientSampleId :

A3988

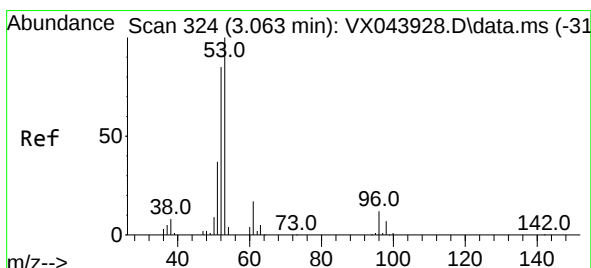
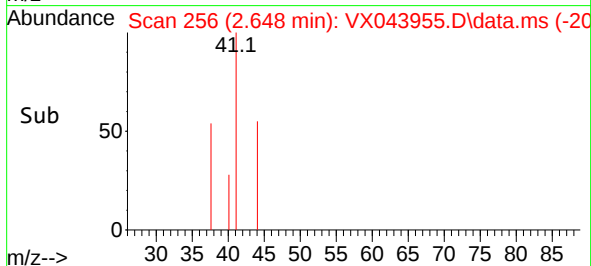
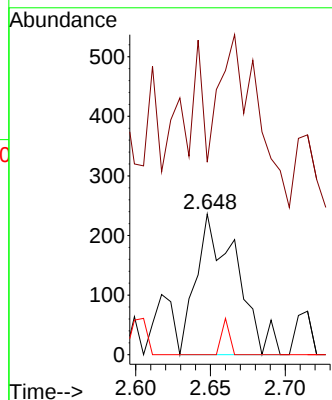
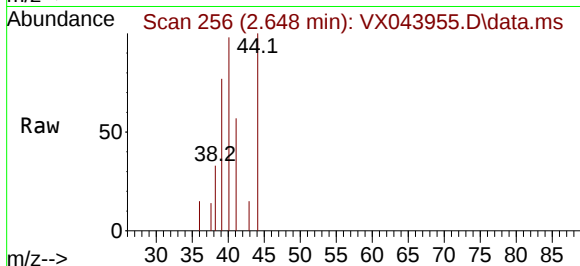
Tgt Ion: 41 Resp: 444

Ion Ratio Lower Upper

41 100

39 19.6 59.5 89.3#

76 0.0 27.4 41.2#



#15

Acrylonitrile

Concen: 0.223 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.018 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

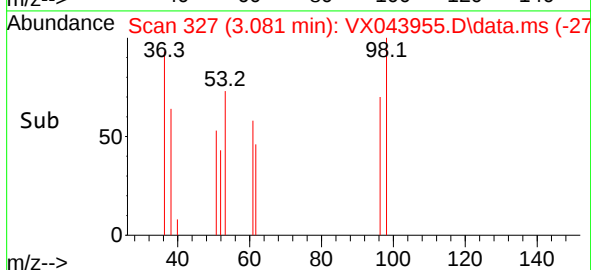
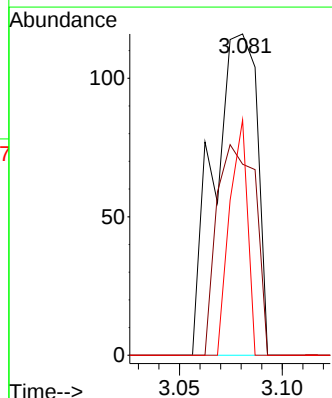
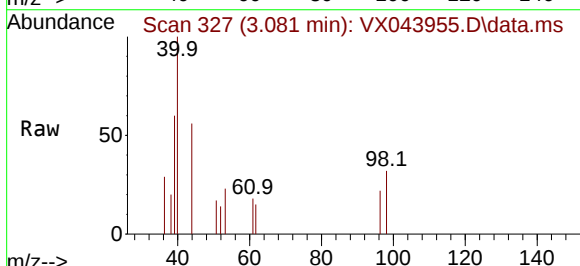
Tgt Ion: 53 Resp: 170

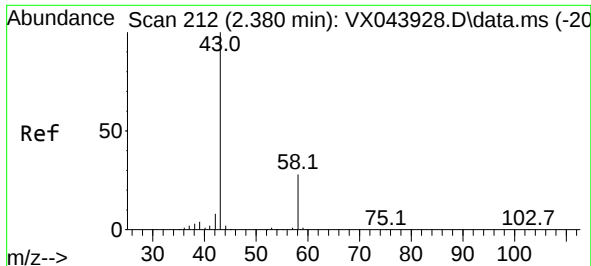
Ion Ratio Lower Upper

53 100

52 58.2 66.5 99.7#

51 30.6 30.2 45.4





#16

Acetone

Concen: 21.225 ug/l

RT: 2.386 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

Instrument :

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ClientSampleId :

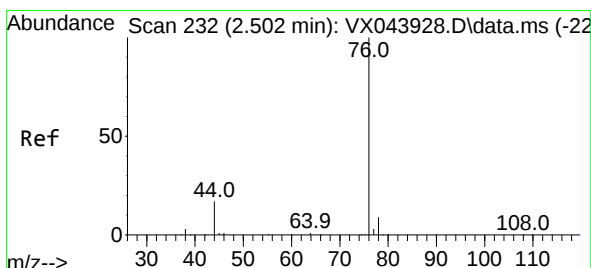
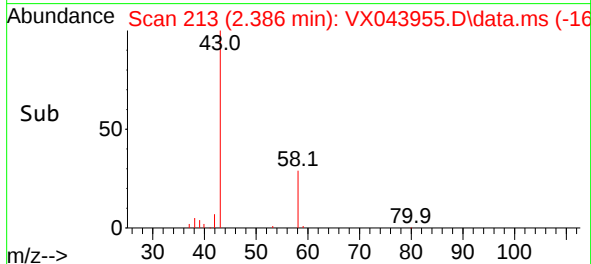
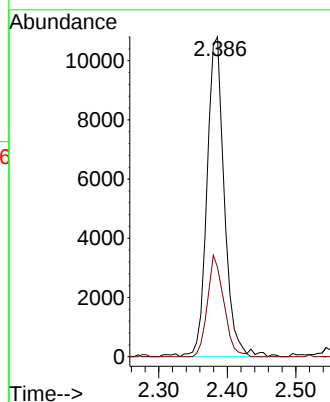
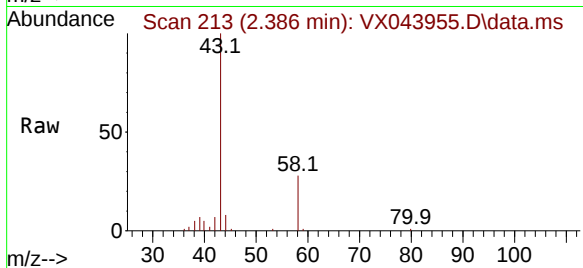
A3988

Tgt Ion: 43 Resp: 18996

Ion Ratio Lower Upper

43 100

58 27.9 22.7 34.1



#17

Carbon Disulfide

Concen: 0.377 ug/l

RT: 2.502 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX043955.D

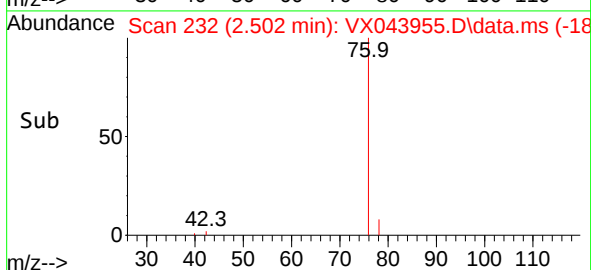
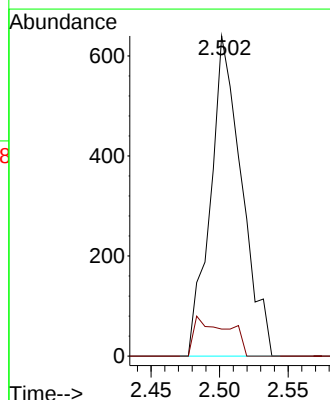
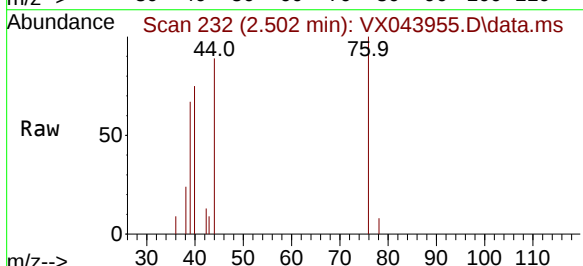
Acq: 22 Nov 2024 13:25

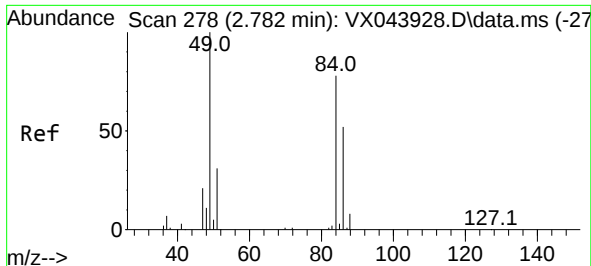
Tgt Ion: 76 Resp: 1018

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.6

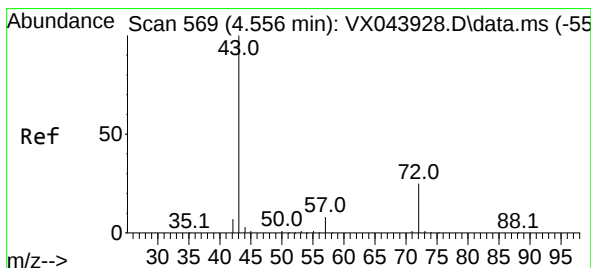
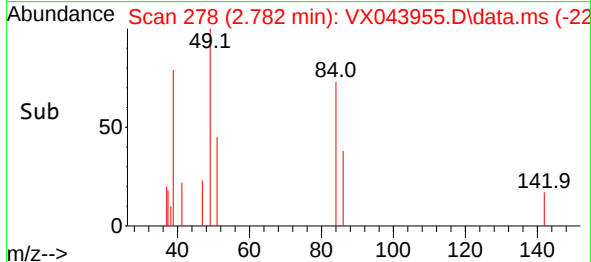
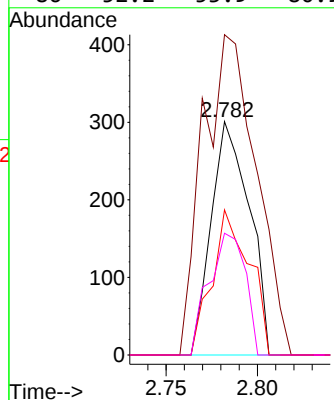
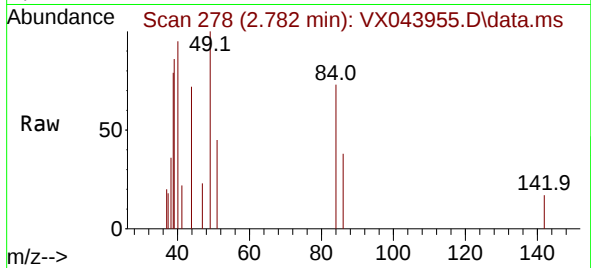




#20
Methylene Chloride
Concen: 0.288 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

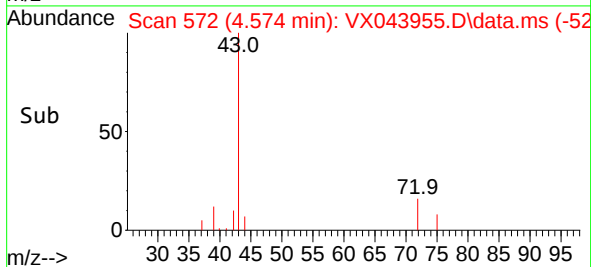
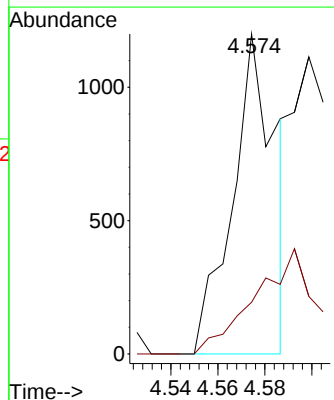
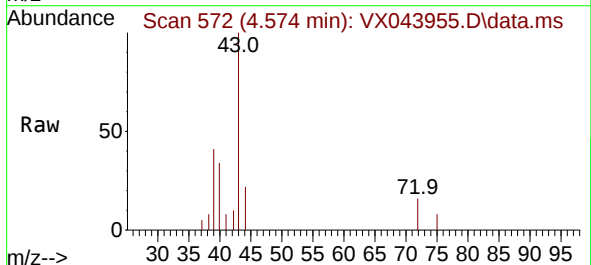
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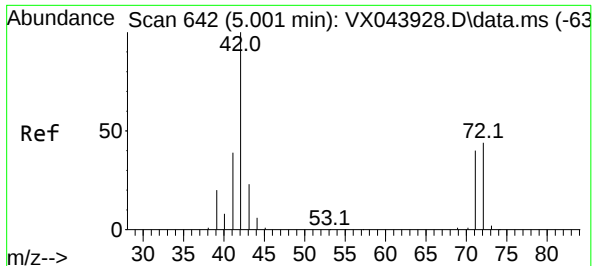
Tgt Ion:	84	Resp:	437
Ion	Ratio	Lower	Upper
84	100		
49	137.2	102.7	154.1
51	62.1	31.7	47.5#
86	52.2	53.9	80.9#



#25
2-Butanone
Concen: 1.312 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

Tgt Ion:	43	Resp:	1515
Ion	Ratio	Lower	Upper
43	100		
72	16.2	20.2	30.2#





#29

Tetrahydrofuran

Concen: 1.304 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.030 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

Instrument :

MSVOA_X

ClientSampleId :

A3988

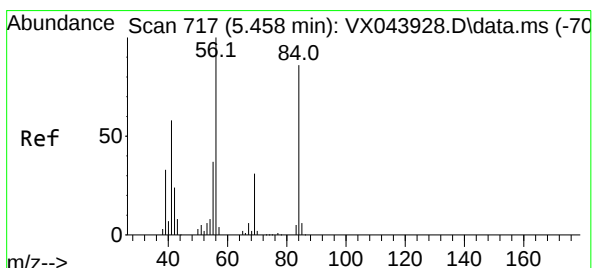
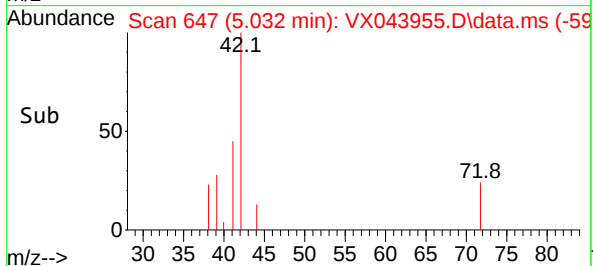
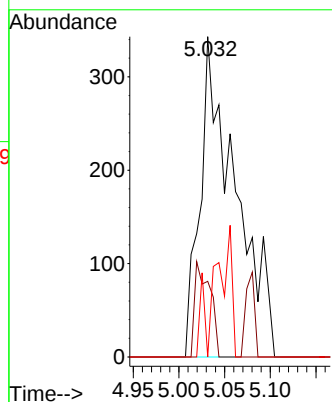
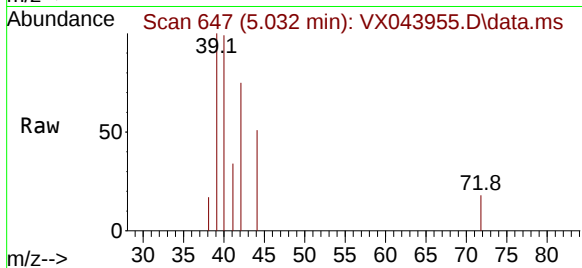
Tgt Ion: 42 Resp: 923

Ion Ratio Lower Upper

42 100

72 12.9 36.4 54.6#

71 0.0 33.4 50.0#



#31

Cyclohexane

Concen: 1.477 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

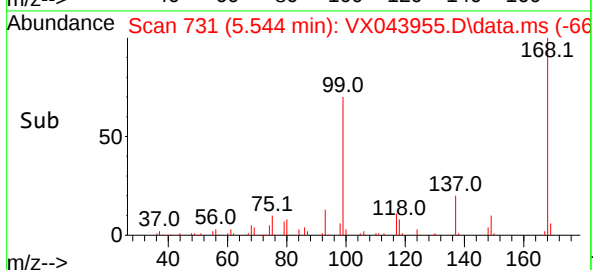
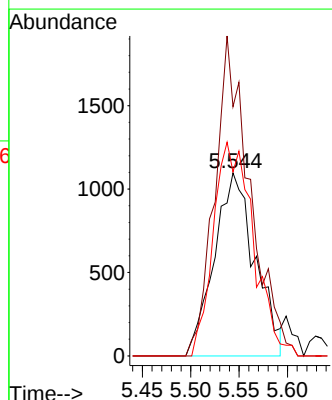
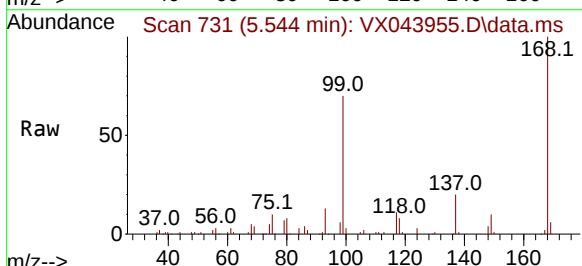
Tgt Ion: 56 Resp: 3208

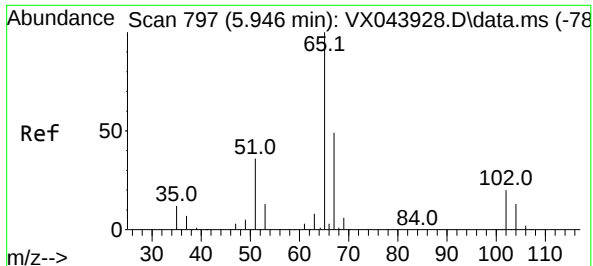
Ion Ratio Lower Upper

56 100

69 136.2 24.7 37.1#

84 100.6 68.7 103.1





#33

1,2-Dichloroethane-d4

Concen: 50.434 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

Instrument :

MSVOA_X

ClientSampleId :

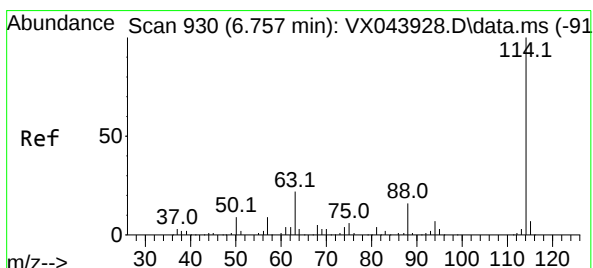
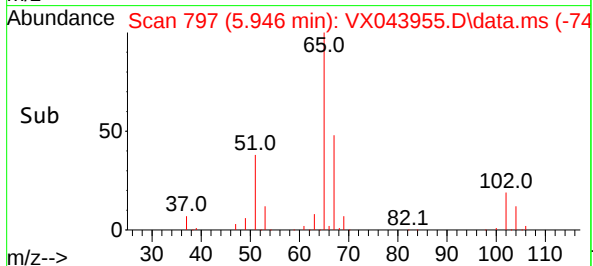
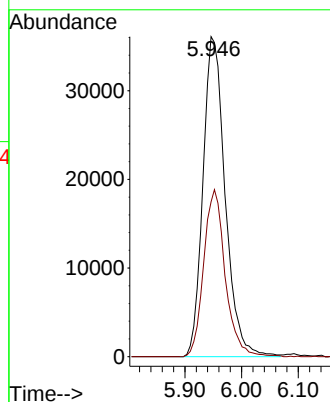
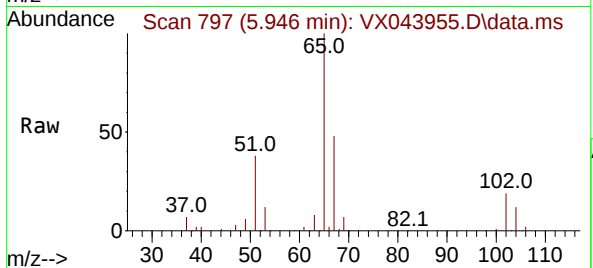
A3988

Tgt Ion: 65 Resp: 98276

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

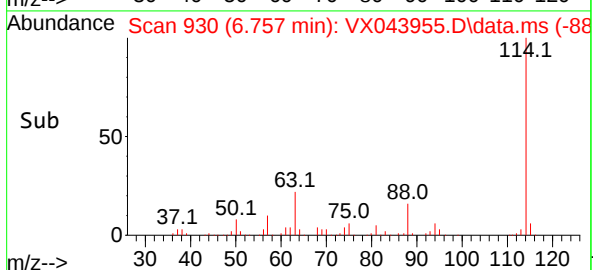
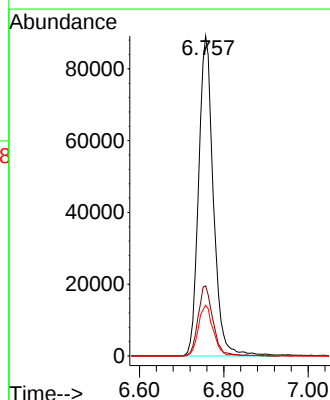
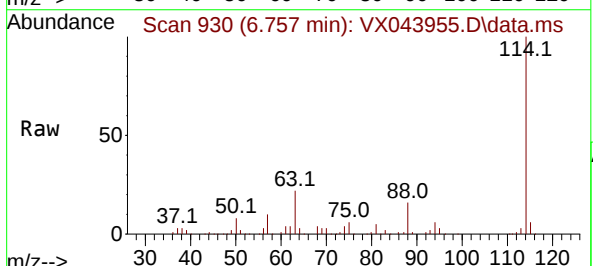
Tgt Ion: 114 Resp: 217300

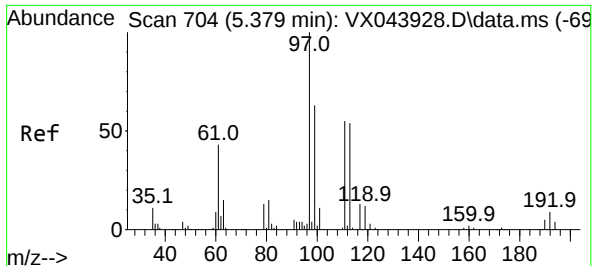
Ion Ratio Lower Upper

114 100

63 21.9 0.0 44.0

88 15.8 0.0 32.4

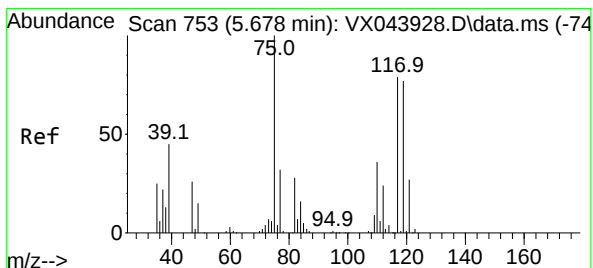
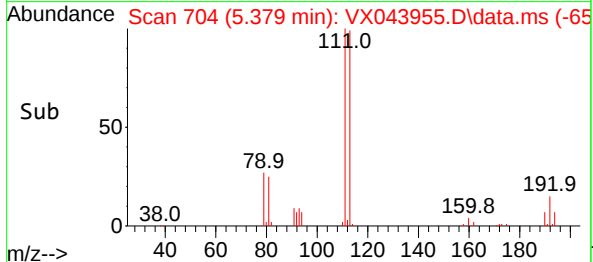
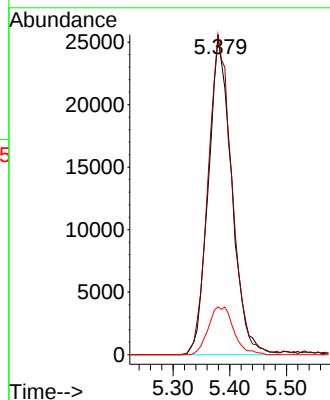
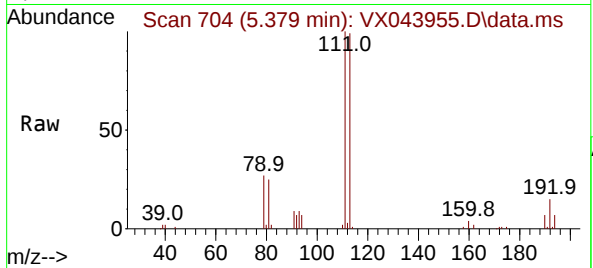




#35
Dibromofluoromethane
Concen: 46.858 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

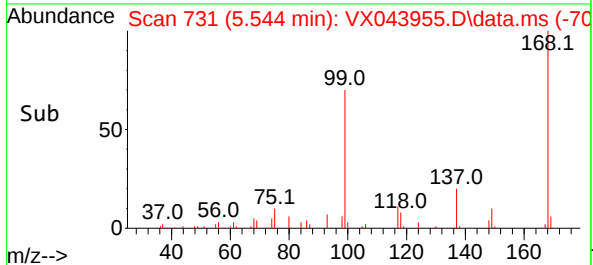
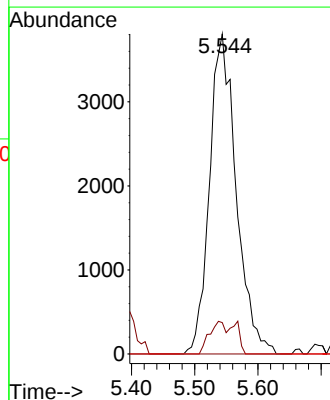
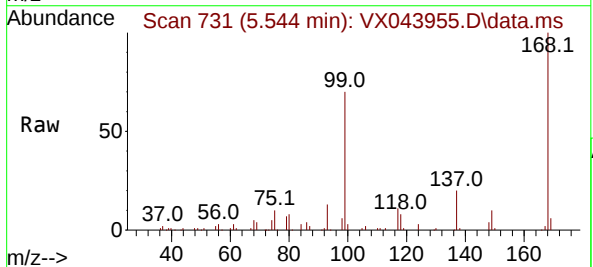
Instrument :
MSVOA_X
ClientSampleId :
A3988

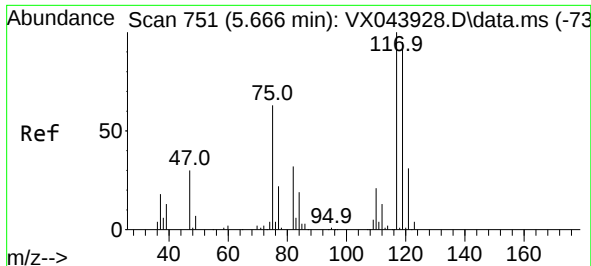
Tgt Ion:113 Resp: 72758
Ion Ratio Lower Upper
113 100
111 102.4 81.0 121.4
192 16.3 13.0 19.6



#36
1,1-Dichloropropene
Concen: 5.774 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

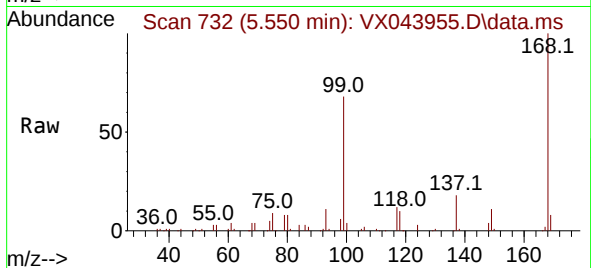
Tgt Ion: 75 Resp: 11172
Ion Ratio Lower Upper
75 100
110 6.2 17.4 52.2#
77 0.0 25.8 38.8#



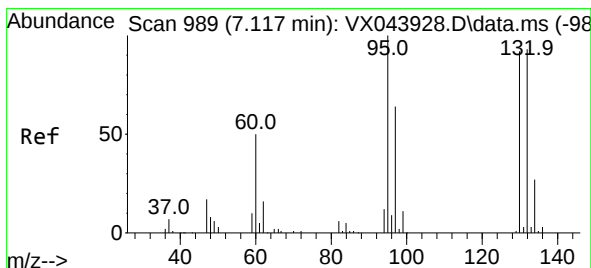
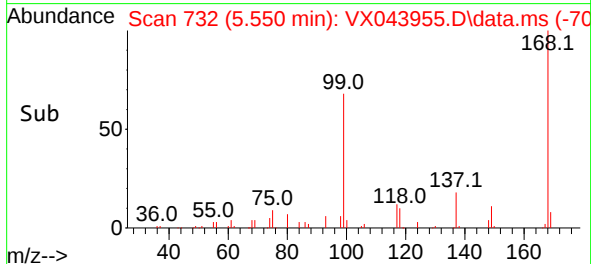
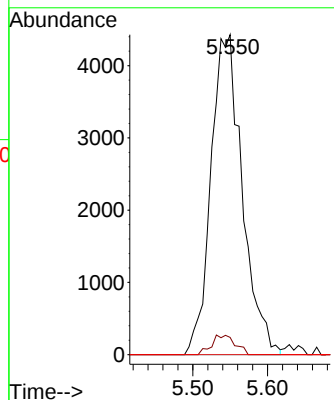


#38
Carbon Tetrachloride
Concen: 5.935 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

Instrument :
MSVOA_X
ClientSampleId :
A3988

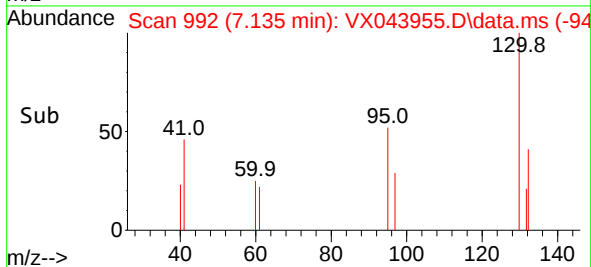
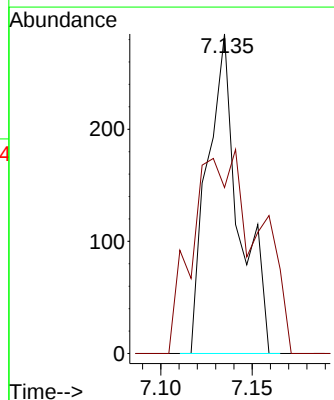
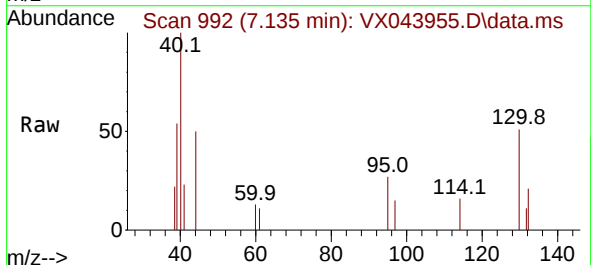


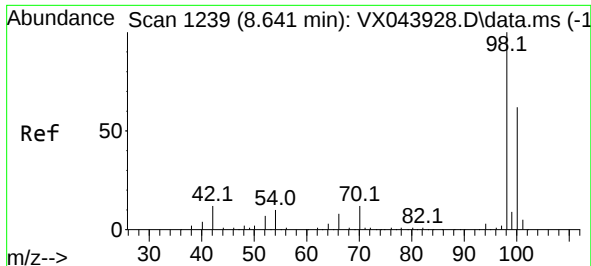
Tgt Ion:117 Resp: 12903
Ion Ratio Lower Upper
117 100
119 5.4 75.2 112.8#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 0.201 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.018 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

Tgt Ion:130 Resp: 343
Ion Ratio Lower Upper
130 100
95 25.6 0.0 217.8

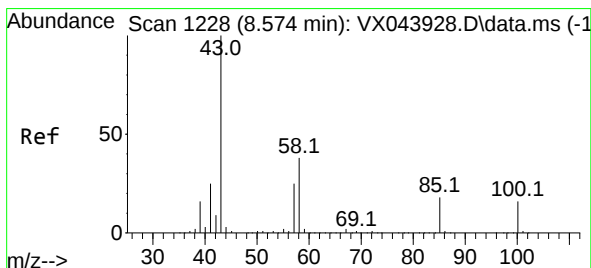
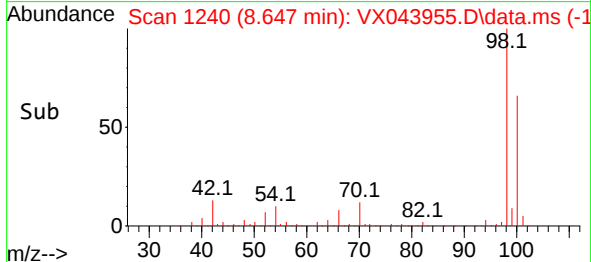
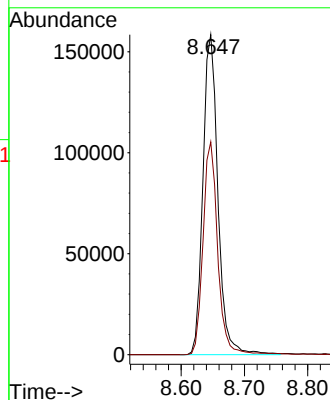
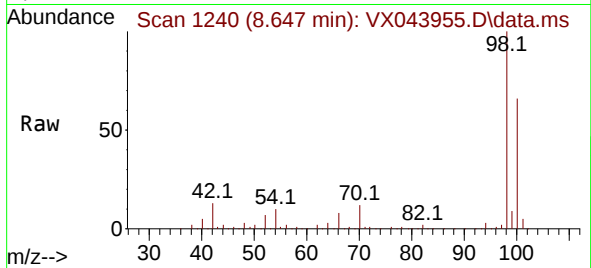




#50
Toluene-d8
Concen: 48.993 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

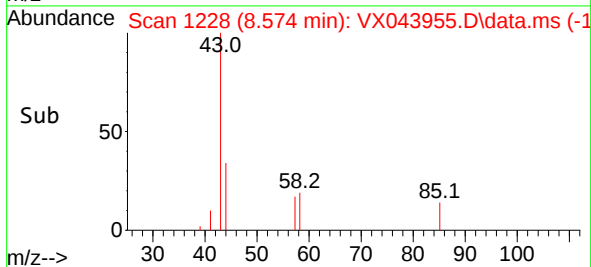
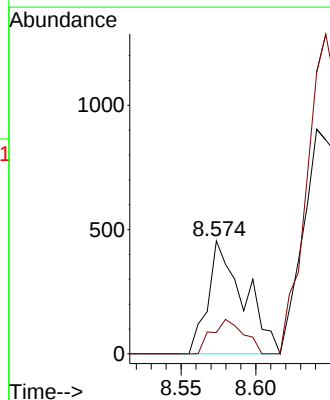
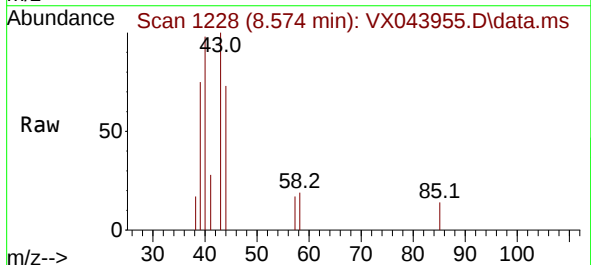
Instrument :
MSVOA_X
ClientSampleId :
A3988

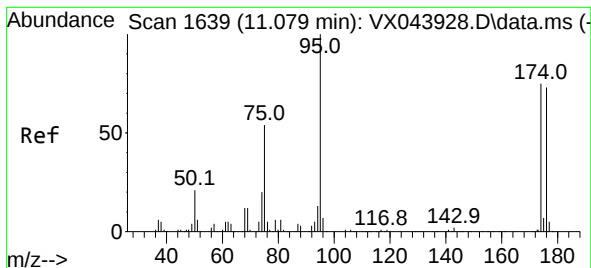
Tgt Ion: 98 Resp: 262229
Ion Ratio Lower Upper
98 100
100 65.1 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 0.325 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
58 27.6 30.0 45.0#

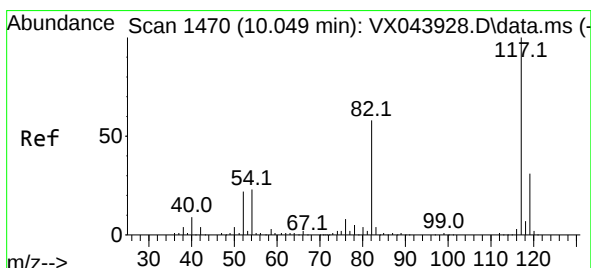
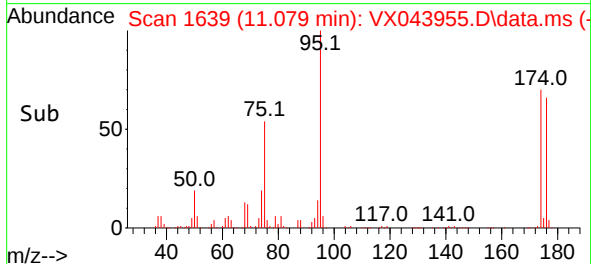
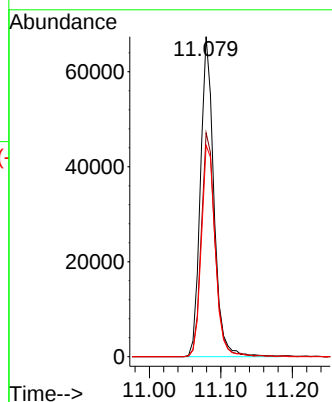
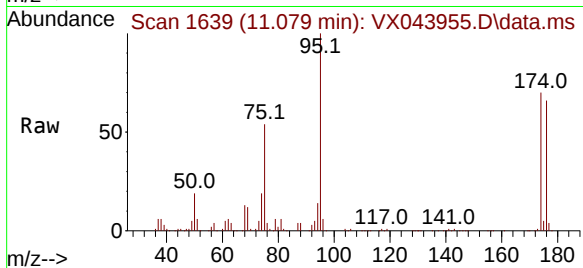




#62
4-Bromofluorobenzene
Concen: 48.227 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

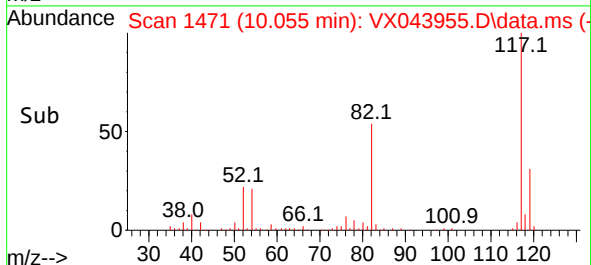
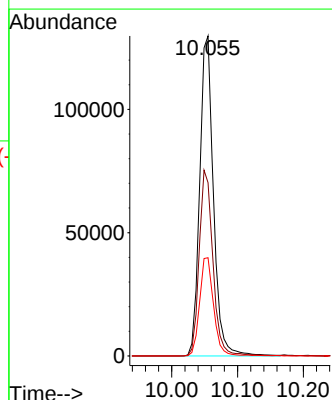
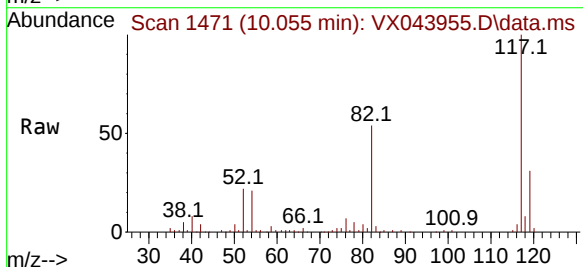
Instrument :
MSVOA_X
ClientSampleId :
A3988

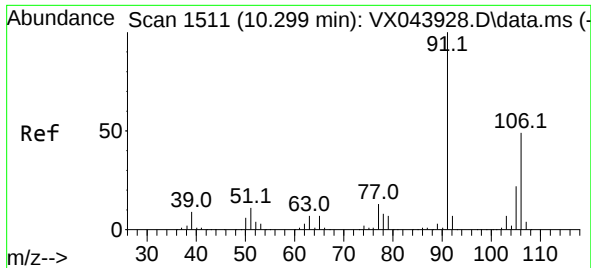
Tgt Ion: 95 Resp: 87848
Ion Ratio Lower Upper
95 100
174 72.3 0.0 150.4
176 68.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

Tgt Ion: 117 Resp: 188960
Ion Ratio Lower Upper
117 100
82 54.2 46.4 69.6
119 30.7 24.6 37.0

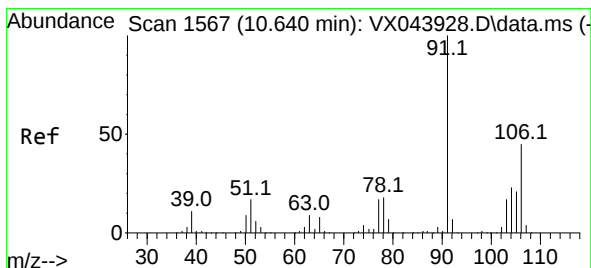
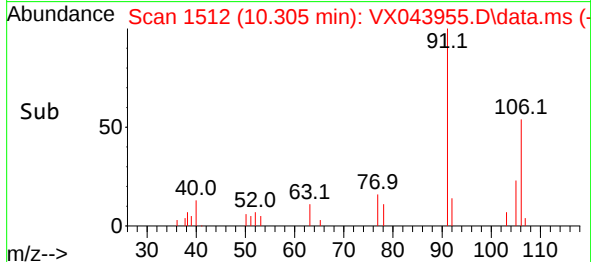
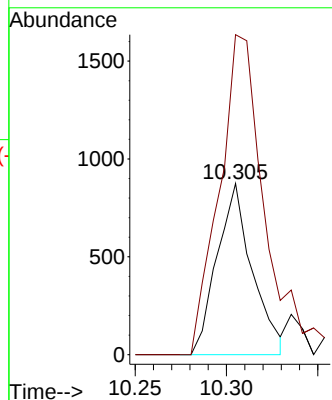
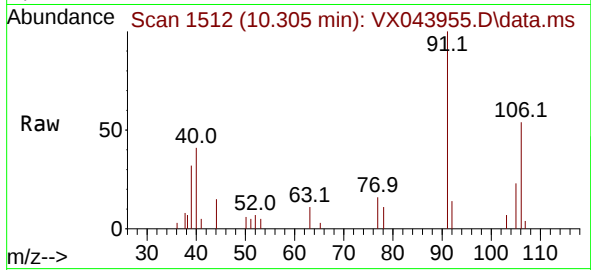




#68
m/p-Xylenes
Concen: 0.447 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

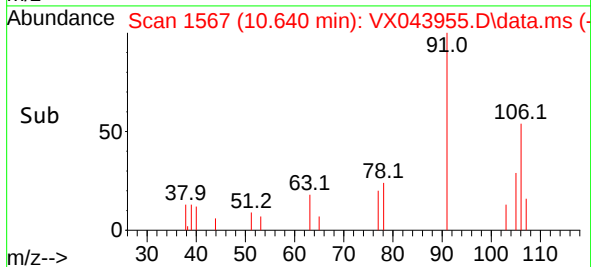
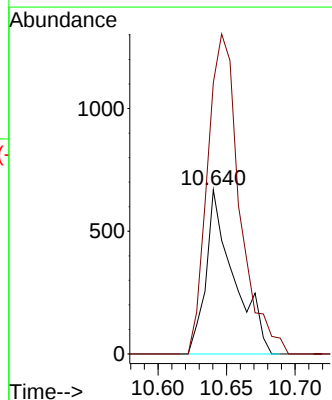
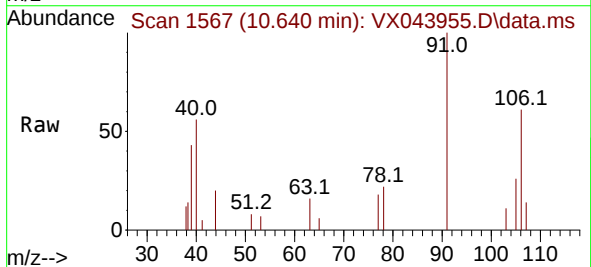
Instrument :
MSVOA_X
ClientSampleId :
A3988

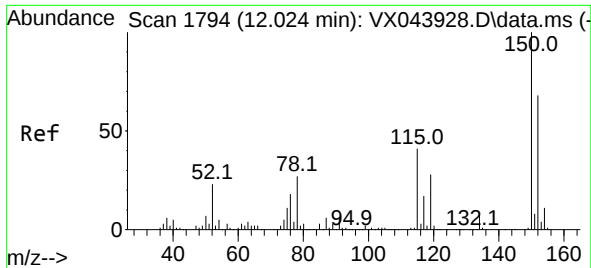
Tgt Ion:106 Resp: 1172
Ion Ratio Lower Upper
106 100
91 242.8 168.1 252.1



#69
o-Xylene
Concen: 0.371 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX043955.D
Acq: 22 Nov 2024 13:25

Tgt Ion:106 Resp: 951
Ion Ratio Lower Upper
106 100
91 224.7 110.2 330.6

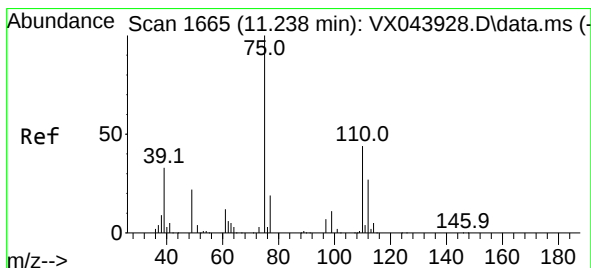
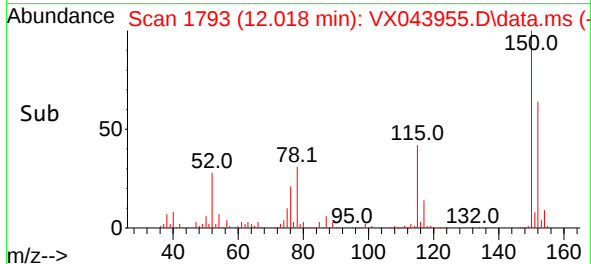
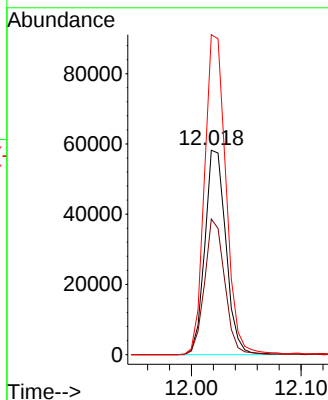
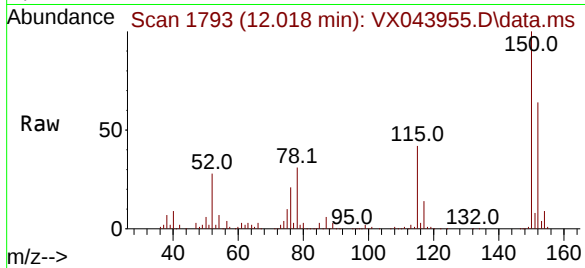




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX043955.D
 Acq: 22 Nov 2024 13:25

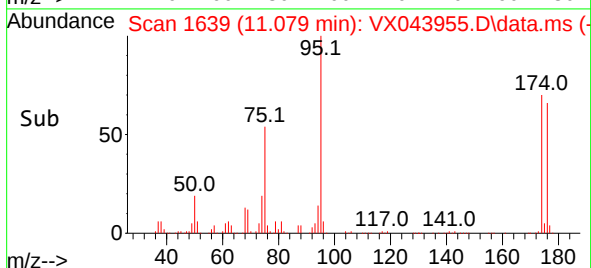
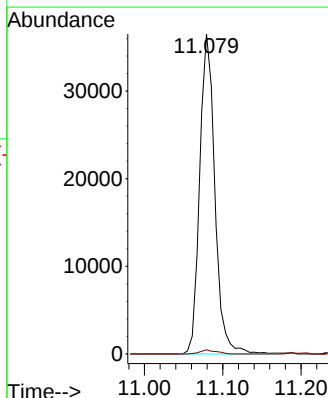
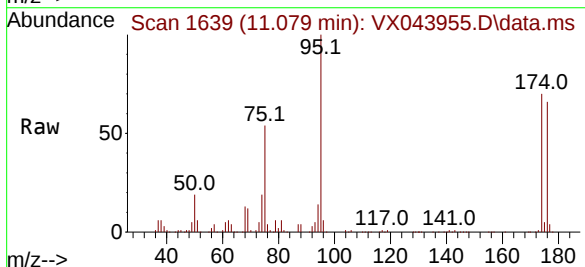
Instrument :
 MSVOA_X
 ClientSampleId :
 A3988

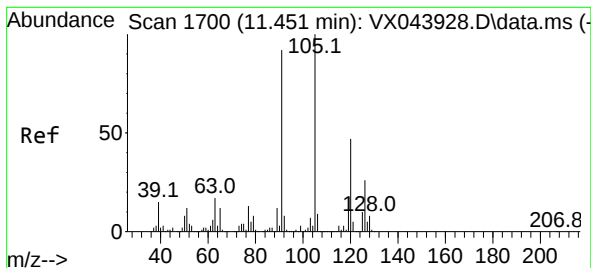
Tgt Ion:152 Resp: 77731
 Ion Ratio Lower Upper
 152 100
 115 64.0 45.4 136.2
 150 159.0 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 28.831 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX043955.D
 Acq: 22 Nov 2024 13:25

Tgt Ion: 75 Resp: 49147
 Ion Ratio Lower Upper
 75 100
 77 1.3 21.8 65.3#





#80

1,3,5-Trimethylbenzene

Concen: 0.254 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

Instrument :

MSVOA_X

ClientSampleId :

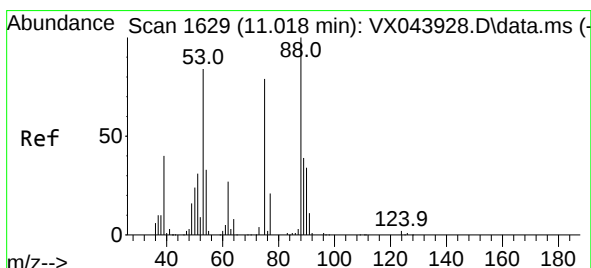
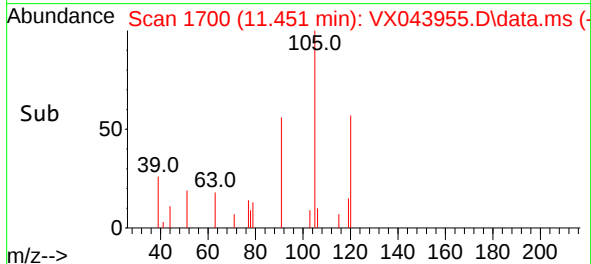
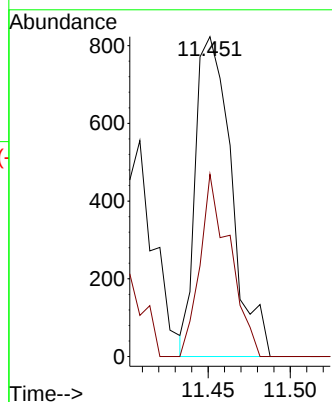
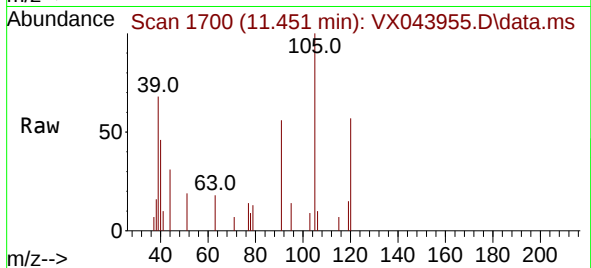
A3988

Tgt Ion:105 Resp: 1247

Ion Ratio Lower Upper

105 100

120 47.5 23.3 69.8



#81

trans-1,4-Dichloro-2-butene

Concen: 78.674 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

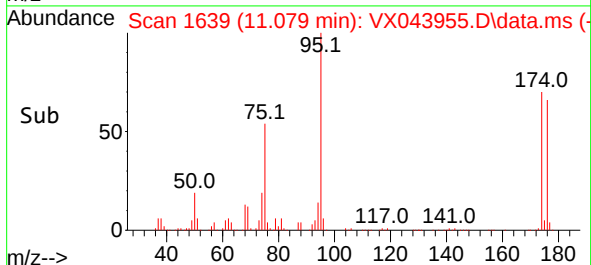
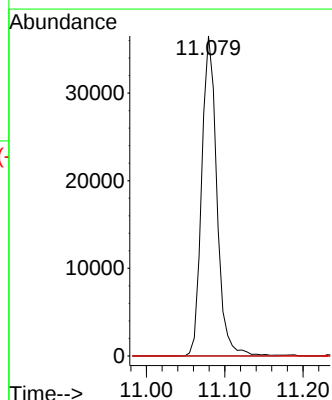
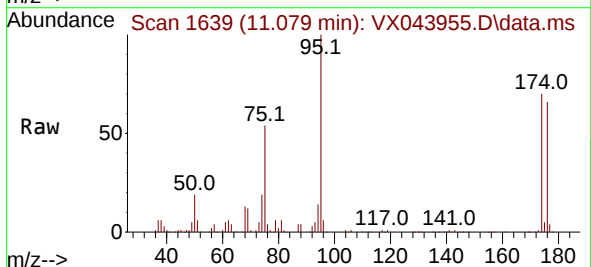
Tgt Ion: 75 Resp: 49147

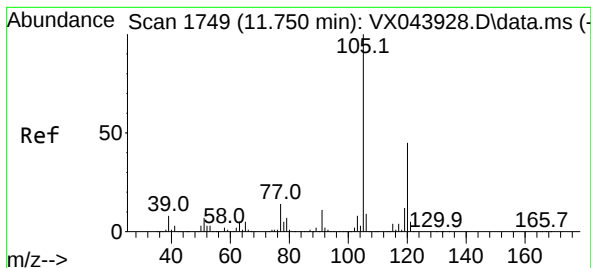
Ion Ratio Lower Upper

75 100

53 0.0 86.7 130.1#

89 0.0 38.2 57.2#





#84

1,2,4-Trimethylbenzene

Concen: 0.414 ug/l

RT: 11.756 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

Instrument :

MSVOA_X

ClientSampleId :

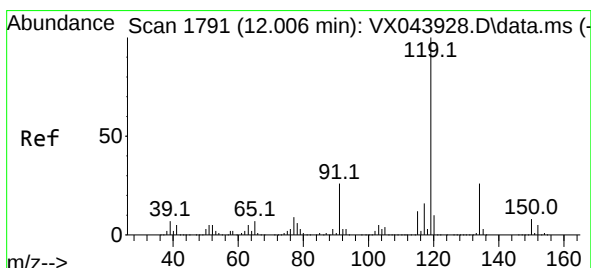
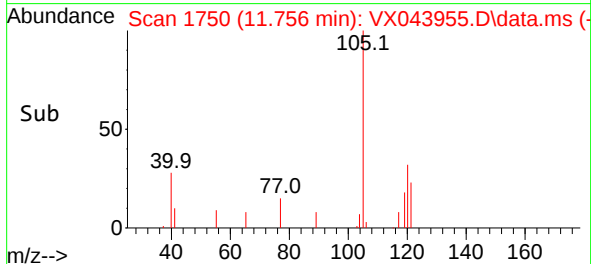
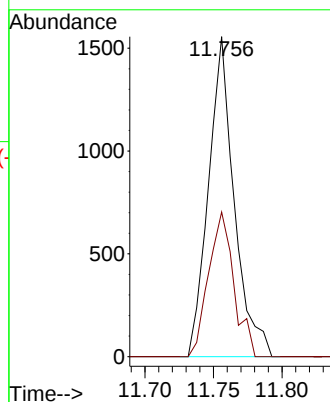
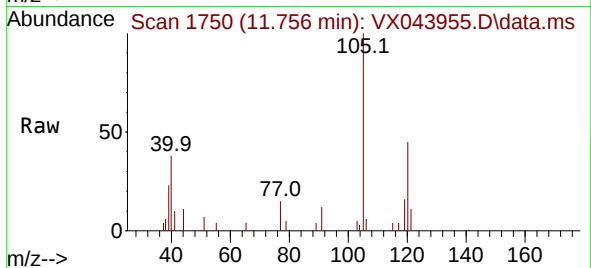
A3988

Tgt Ion:105 Resp: 2027

Ion Ratio Lower Upper

105 100

120 44.4 21.9 65.7



#86

p-Isopropyltoluene

Concen: 0.237 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.006 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

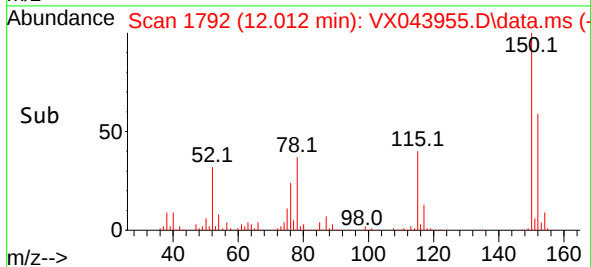
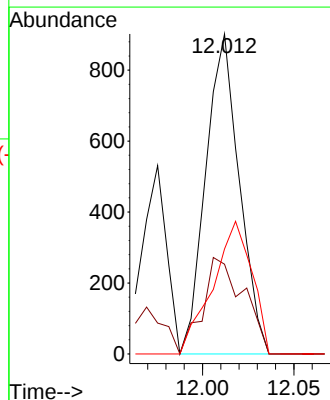
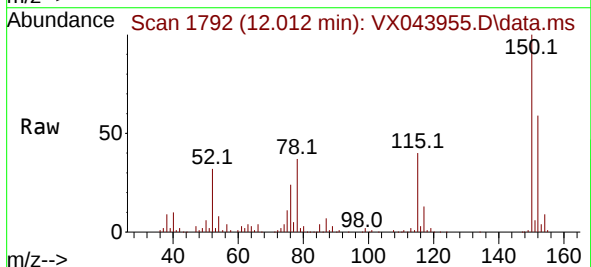
Tgt Ion:119 Resp: 1149

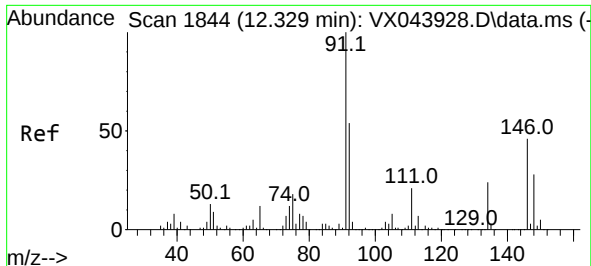
Ion Ratio Lower Upper

119 100

134 36.5 13.0 38.9

91 48.5 13.0 38.9#





#89

n-Butylbenzene

Concen: 0.246 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

Instrument :

MSVOA_X

ClientSampleId :

A3988

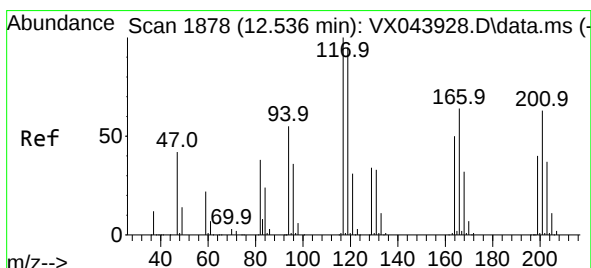
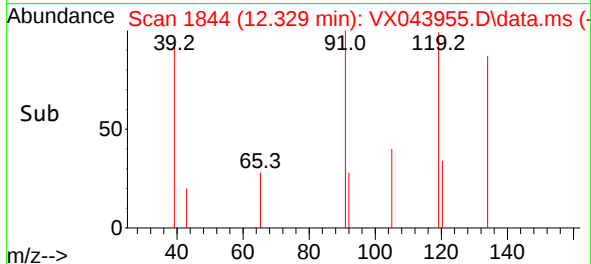
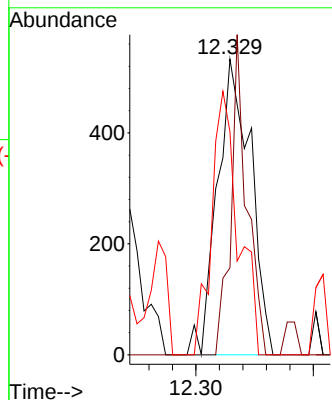
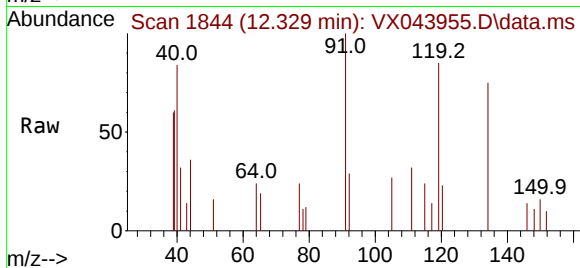
Tgt Ion: 91 Resp: 1051

Ion Ratio Lower Upper

91 100

92 51.9 26.6 79.8

134 71.3 12.4 37.2#



#90

Hexachloroethane

Concen: 0.272 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043955.D

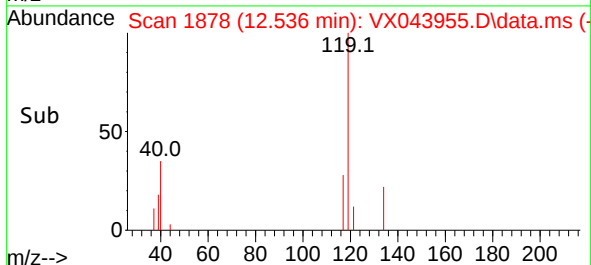
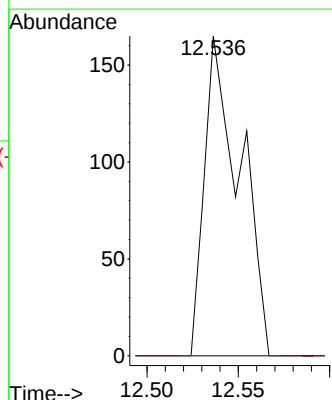
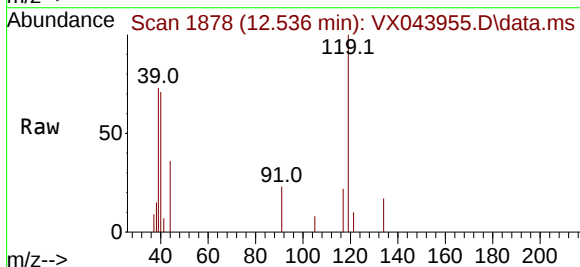
Acq: 22 Nov 2024 13:25

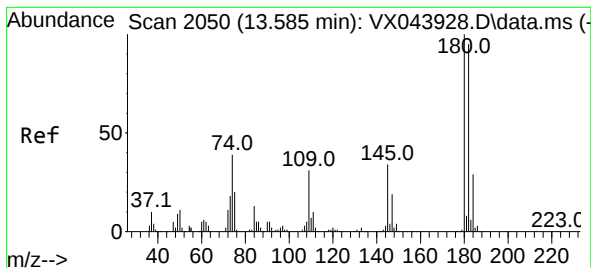
Tgt Ion: 117 Resp: 224

Ion Ratio Lower Upper

117 100

201 0.0 32.4 97.0#





#93

1,2,4-Trichlorobenzene

Concen: 0.269 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

Instrument :

MSVOA_X

ClientSampleId :

A3988

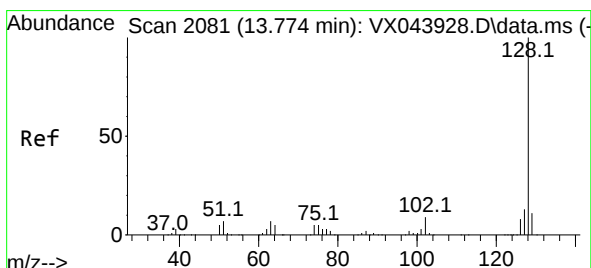
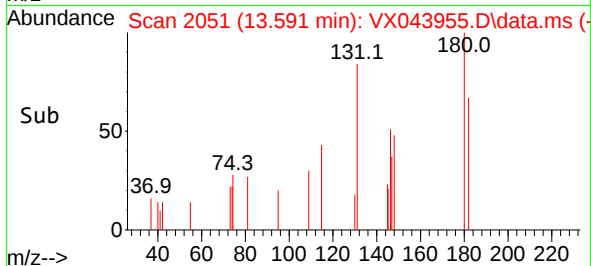
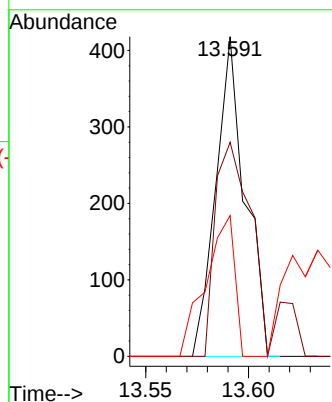
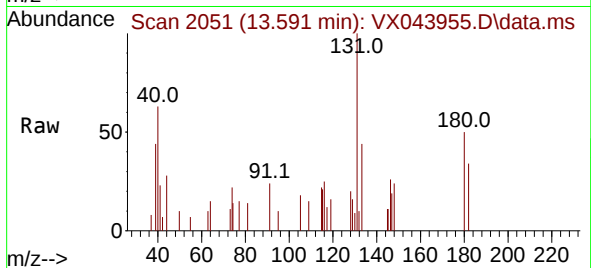
Tgt Ion:180 Resp: 415

Ion Ratio Lower Upper

180 100

182 92.8 48.0 144.2

145 43.4 16.8 50.4



#95

Naphthalene

Concen: 0.435 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043955.D

Acq: 22 Nov 2024 13:25

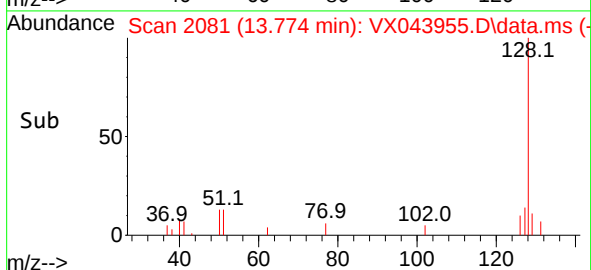
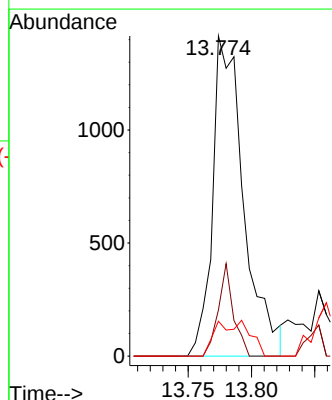
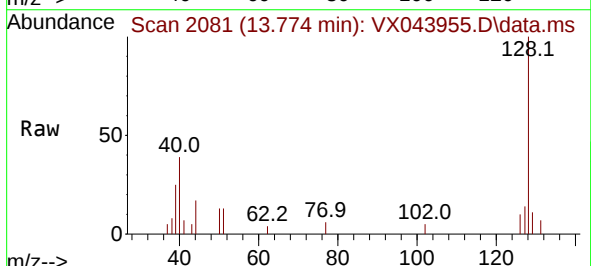
Tgt Ion:128 Resp: 2417

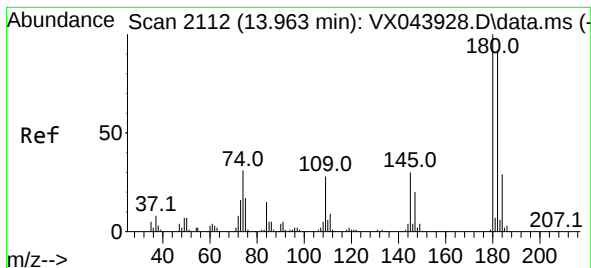
Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.2

129 12.0 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 0.232 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX043955.D

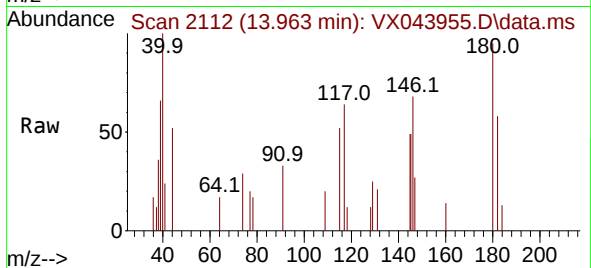
Acq: 22 Nov 2024 13:25

Instrument :

MSVOA_X

ClientSampleId :

A3988



Tgt Ion:180 Resp: 362

Ion Ratio Lower Upper

180 100

182 124.6 45.6 136.8

145 133.4 16.4 49.4#

