

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
 Data File : VX044209.D
 Acq On : 10 Dec 2024 15:36
 Operator : JC/MD
 Sample : P5220-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GAS-AUD-1610-1611-1612

Quant Time: Dec 11 01:35:41 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)

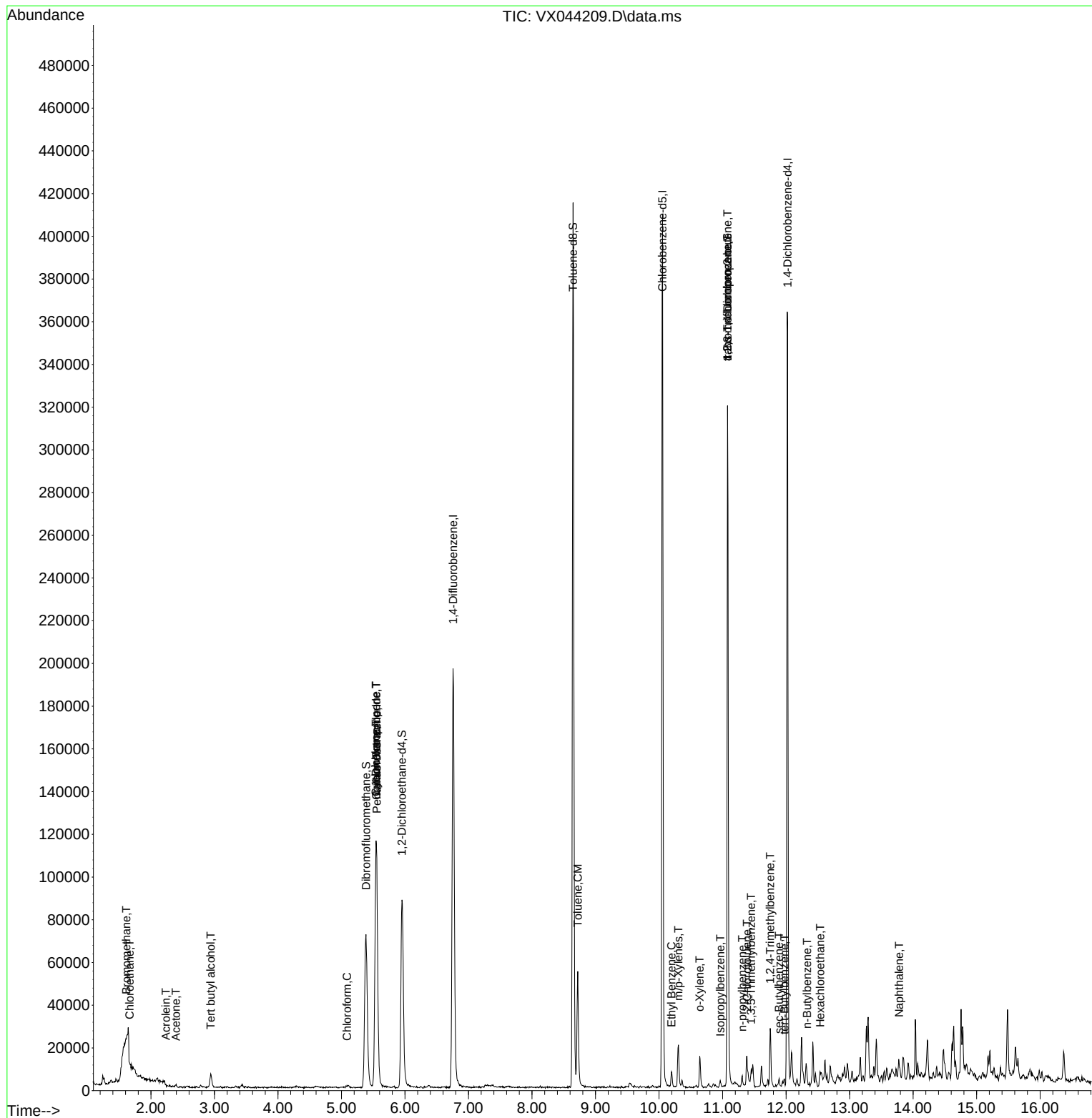
Internal Standards						
1) Pentafluorobenzene	5.556	168	101941	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	6.757	114	191900	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89316	51.083	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.160%			
35) Dibromofluoromethane	5.385	113	62165	45.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.680%			
50) Toluene-d8	8.647	98	234620	49.637	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.280%			
62) 4-Bromofluorobenzene	11.079	95	81043	50.380	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.760%			
Target Compounds					Qvalue	
5) Bromomethane	1.612	94	314	0.353	ug/l #	71
6) Chloroethane	1.666	64	280	0.318	ug/l #	86
11) Tert butyl alcohol	2.941	59	3823	13.622	ug/l #	73
13) Acrolein	2.233	56	121	0.409	ug/l #	77
16) Acetone	2.392	43	1032	1.285	ug/l	95
30) Chloroform	5.087	83	604	0.237	ug/l #	80
31) Cyclohexane	5.544	56	3176	1.630	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	9954	5.825	ug/l #	50
38) Carbon Tetrachloride	5.550	117	12192	6.350	ug/l #	17
52) Toluene	8.720	92	20119	6.315	ug/l	97
67) Ethyl Benzene	10.195	91	4577	0.724	ug/l #	85
68) m/p-Xylenes	10.305	106	5078	2.153	ug/l	97
69) o-Xylene	10.640	106	3487	1.514	ug/l	87
73) Isopropylbenzene	10.964	105	1686	0.305	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	47312	30.024	ug/l #	34
78) n-propylbenzene	11.311	91	3470	0.562	ug/l	97
79) 2-Chlorotoluene	11.384	91	1505	0.386	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.451	105	3733	0.821	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	47312	81.929	ug/l #	7
83) tert-Butylbenzene	11.976	119	1242	0.276	ug/l	81
84) 1,2,4-Trimethylbenzene	11.750	105	12498	2.762	ug/l	97
85) sec-Butylbenzene	11.890	105	1415	0.256	ug/l	98
89) n-Butylbenzene	12.329	91	1672	0.423	ug/l #	38
90) Hexachloroethane	12.536	117	282	0.370	ug/l #	18
95) Naphthalene	13.780	128	5878	1.144	ug/l	96

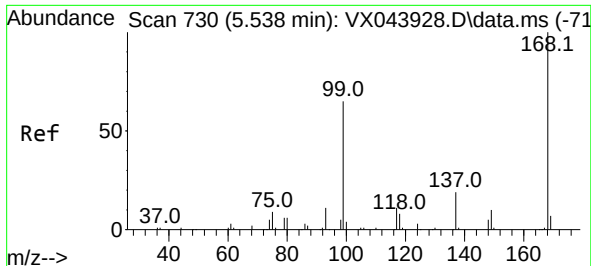
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121024\
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Sample : P5220-03 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GAS-AUD-1610-1611-1612

Quant Time: Dec 11 01:35:41 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

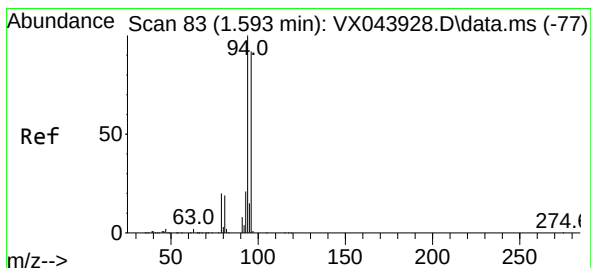
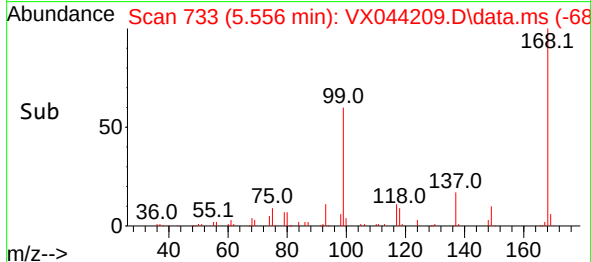
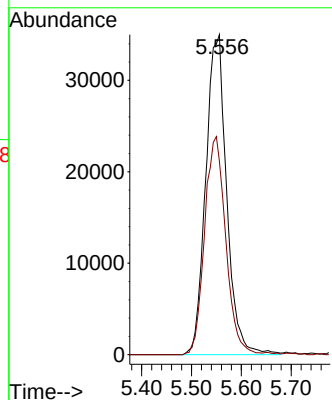
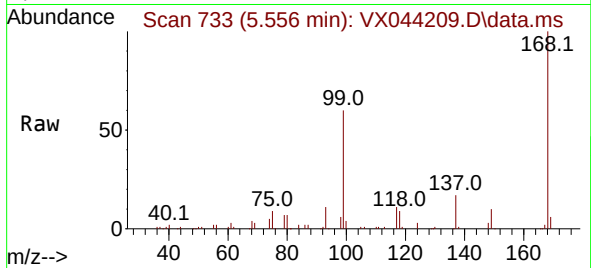




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.018 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

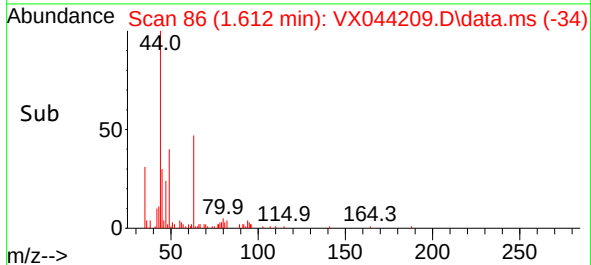
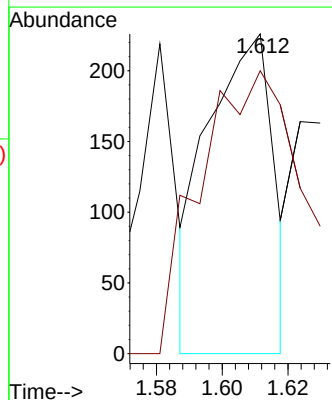
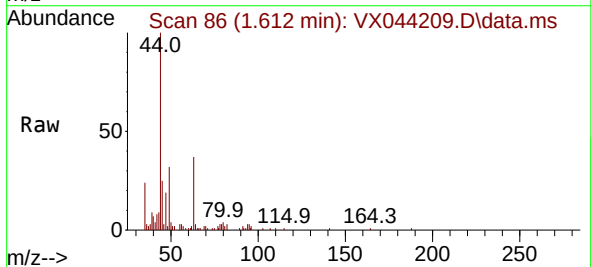
Instrument :
MSVOA_X
ClientSampleId :
GAS-AUD-1610-1611-1612

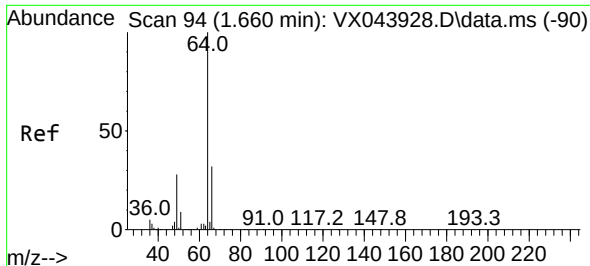
Tgt Ion:168 Resp: 101941
Ion Ratio Lower Upper
168 100
99 60.4 51.8 77.8



#5
Bromomethane
Concen: 0.353 ug/l
RT: 1.612 min Scan# 86
Delta R.T. 0.018 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 64.2 73.9 110.9#

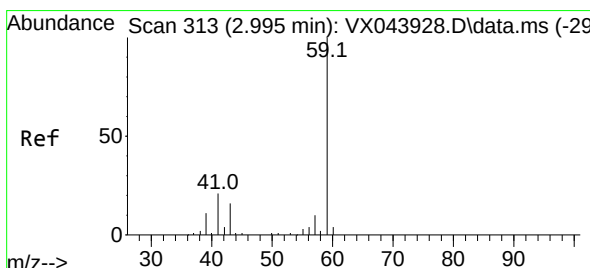
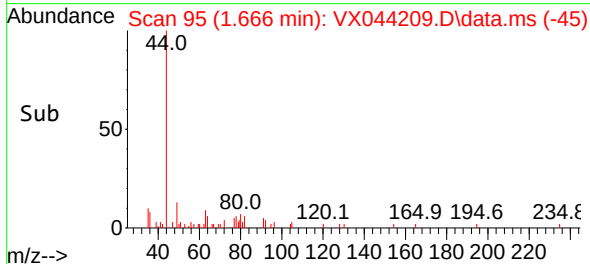
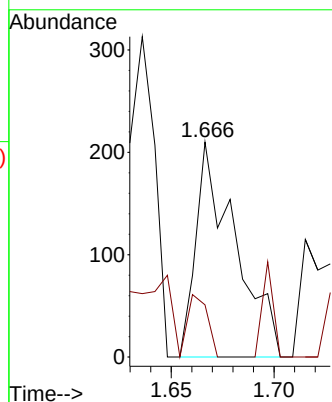
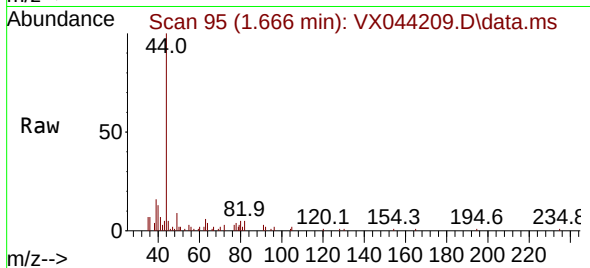




#6
Chloroethane
Concen: 0.318 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

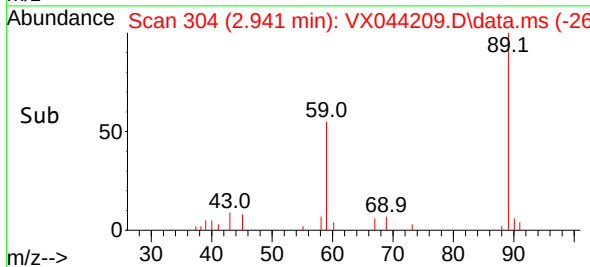
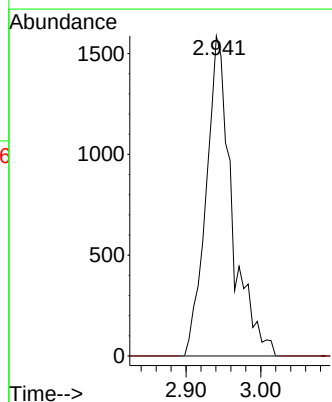
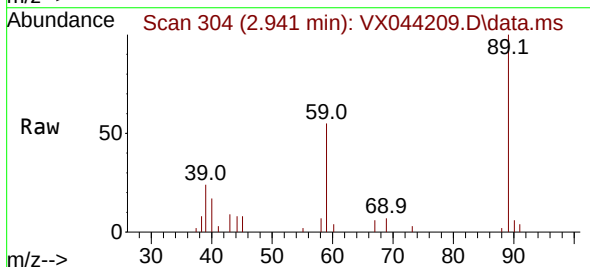
Instrument :
MSVOA_X
ClientSampleId :
GAS-AUD-1610-1611-1612

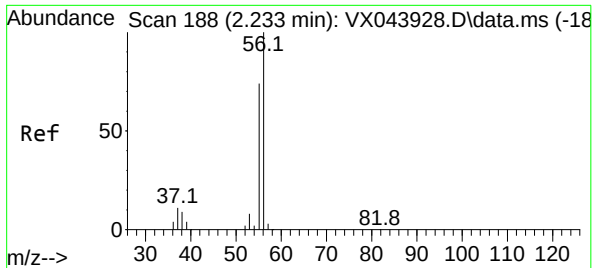
Tgt Ion: 64 Resp: 280
Ion Ratio Lower Upper
64 100
66 24.3 25.9 38.9#



#11
Tert butyl alcohol
Concen: 13.622 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

Tgt Ion: 59 Resp: 3823
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

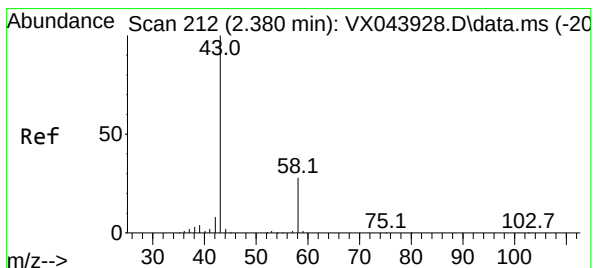
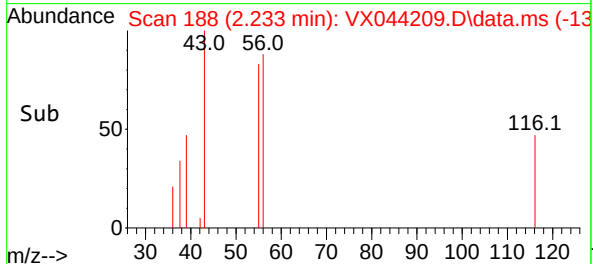
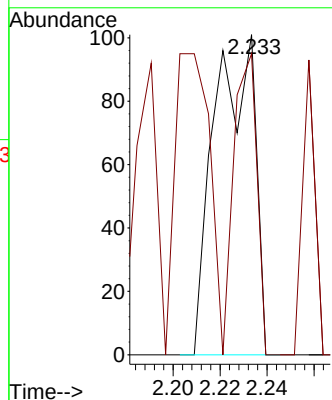
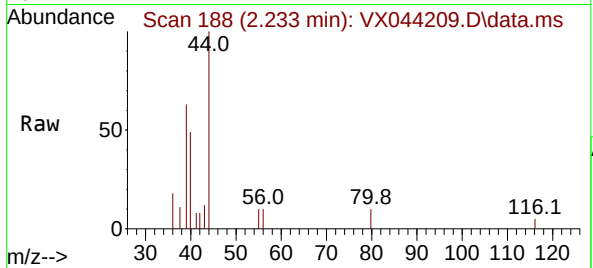




#13
Acrolein
Concen: 0.409 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

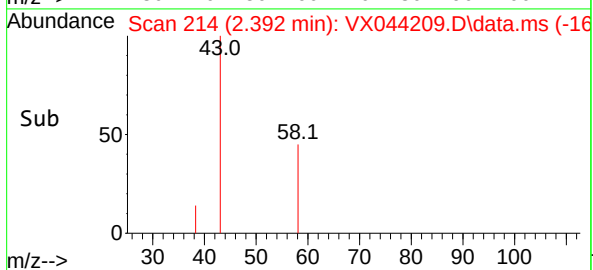
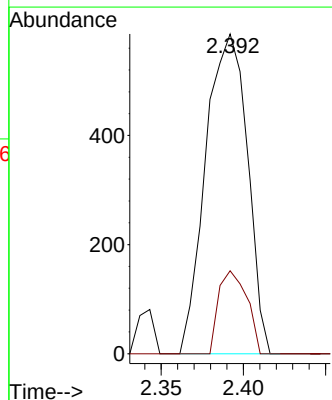
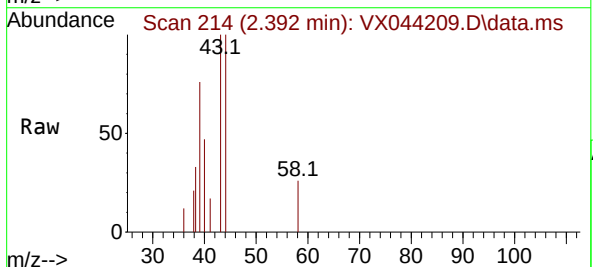
Instrument :
MSVOA_X
ClientSampleId :
GAS-AUD-1610-1611-1612

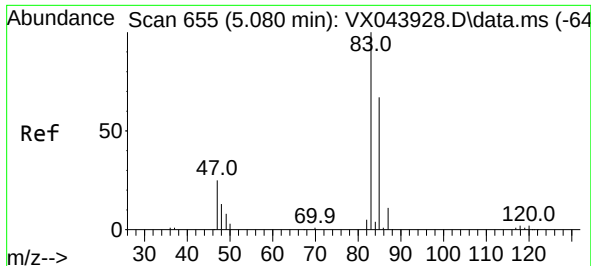
Tgt Ion: 56 Resp: 121
Ion Ratio Lower Upper
56 100
55 53.7 58.2 87.2#



#16
Acetone
Concen: 1.285 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
58 25.9 22.7 34.1





#30

Chloroform

Concen: 0.237 ug/l

RT: 5.087 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044209.D

Acq: 10 Dec 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :

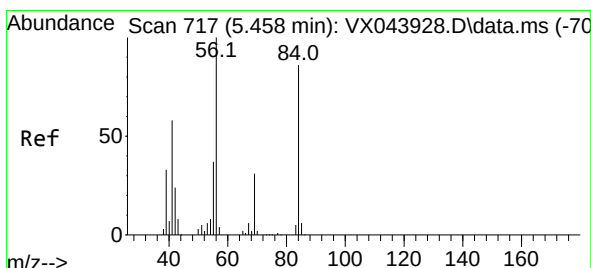
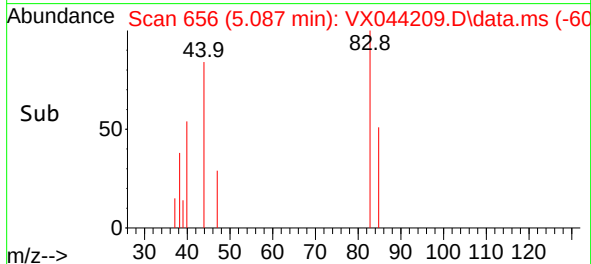
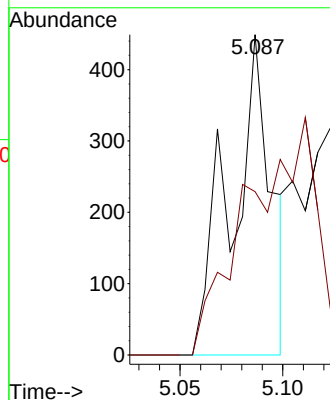
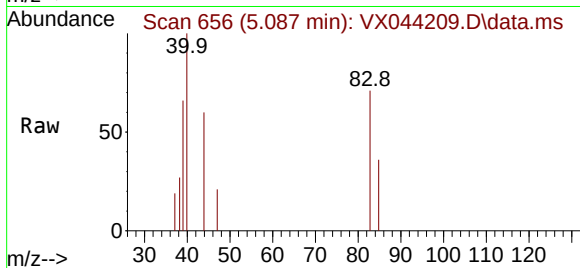
GAS-AUD-1610-1611-1612

Tgt Ion: 83 Resp: 604

Ion Ratio Lower Upper

83 100

85 51.0 53.5 80.3#



#31

Cyclohexane

Concen: 1.630 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX044209.D

Acq: 10 Dec 2024 15:36

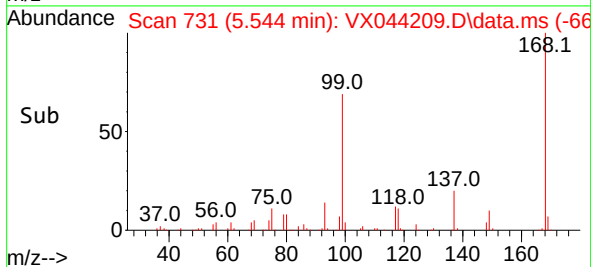
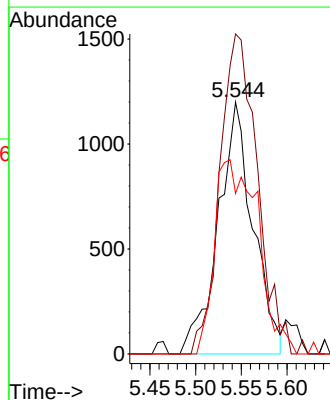
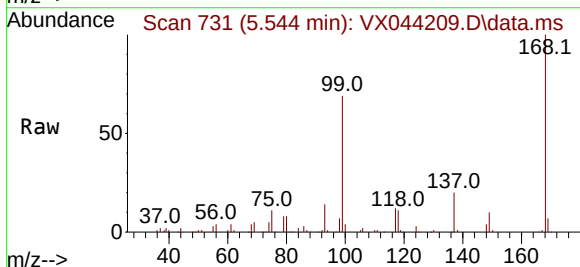
Tgt Ion: 56 Resp: 3176

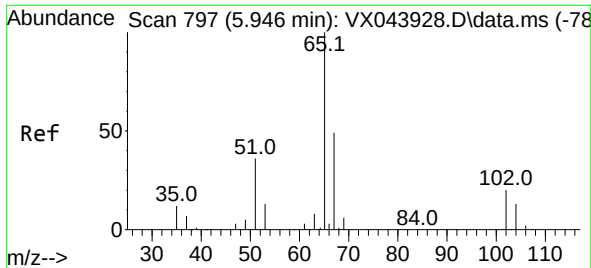
Ion Ratio Lower Upper

56 100

69 127.1 24.7 37.1#

84 63.7 68.7 103.1#

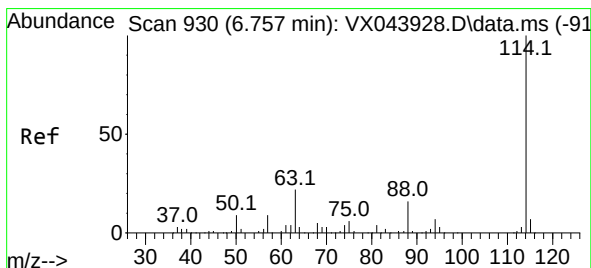
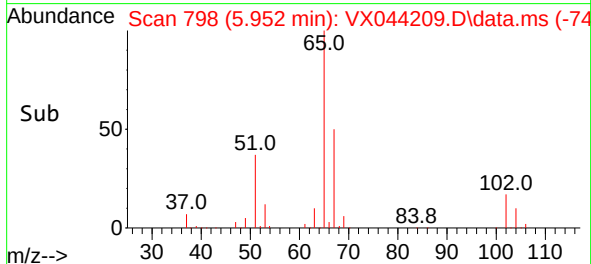
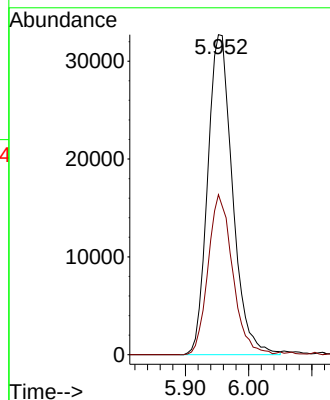
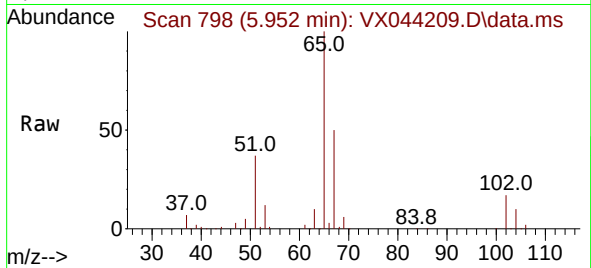




#33
 1,2-Dichloroethane-d4
 Concen: 51.083 ug/l
 RT: 5.952 min Scan# 797
 Delta R.T. 0.006 min
 Lab File: VX044209.D
 Acq: 10 Dec 2024 15:36

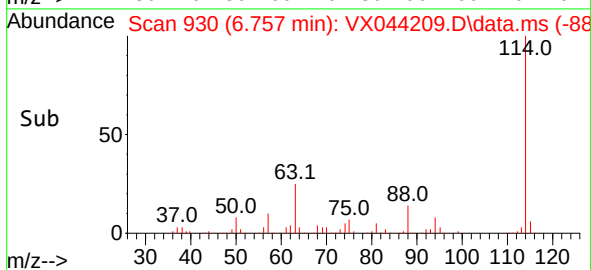
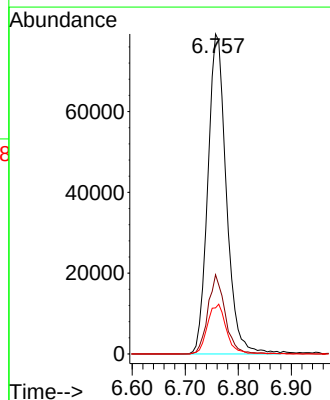
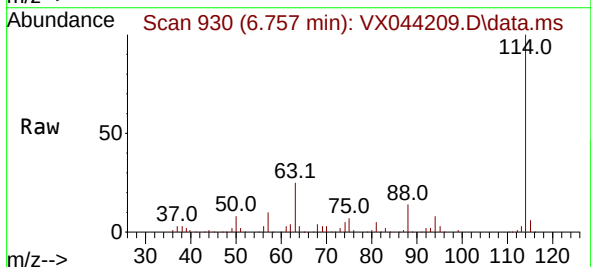
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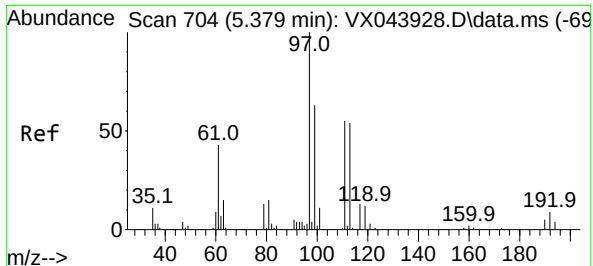
Tgt Ion: 65 Resp: 89316
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX044209.D
 Acq: 10 Dec 2024 15:36

Tgt Ion: 114 Resp: 191900
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 44.0
 88 14.4 0.0 32.4

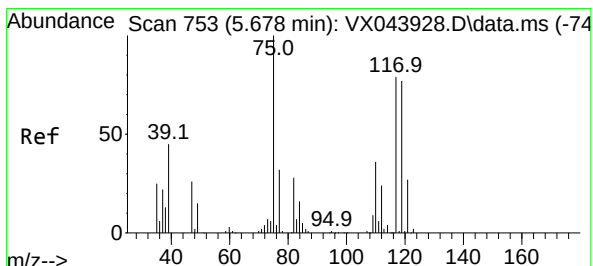
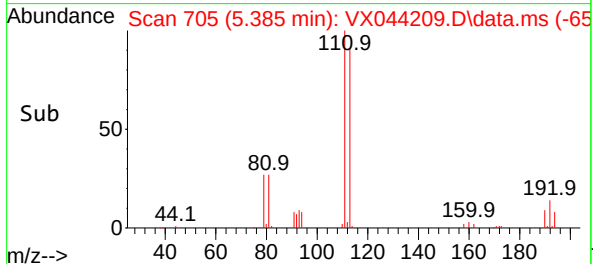
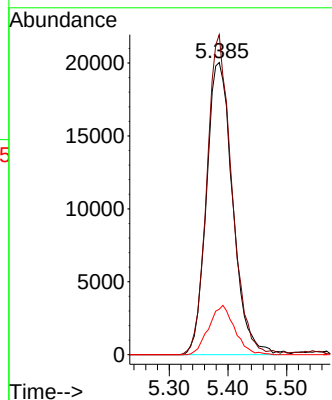
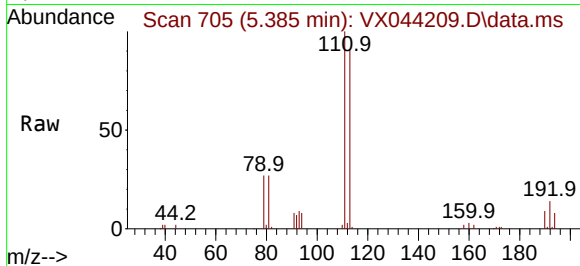




#35
Dibromofluoromethane
Concen: 45.335 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

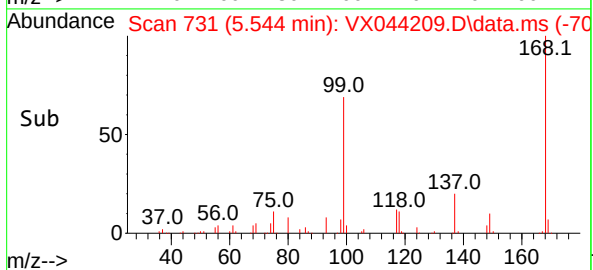
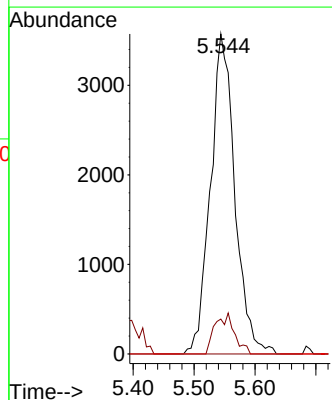
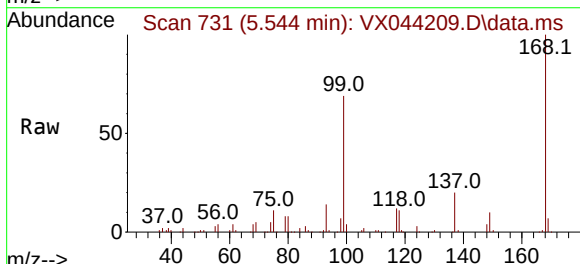
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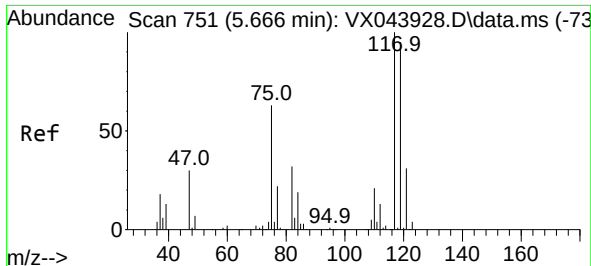
Tgt Ion:113 Resp: 62165
Ion Ratio Lower Upper
113 100
111 104.0 81.0 121.4
192 16.6 13.0 19.6



#36
1,1-Dichloropropene
Concen: 5.825 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

Tgt Ion: 75 Resp: 9954
Ion Ratio Lower Upper
75 100
110 10.1 17.4 52.2#
77 0.0 25.8 38.8#

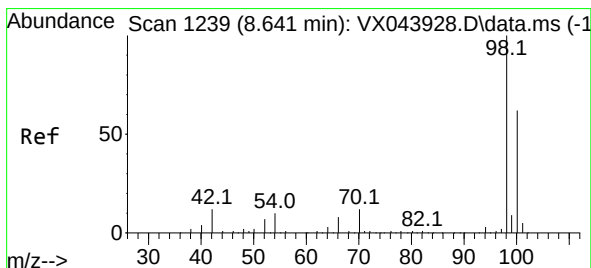
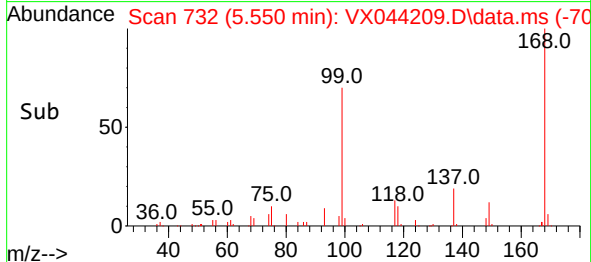
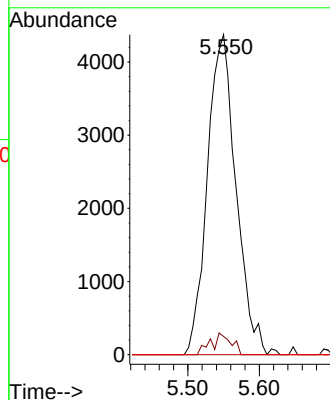
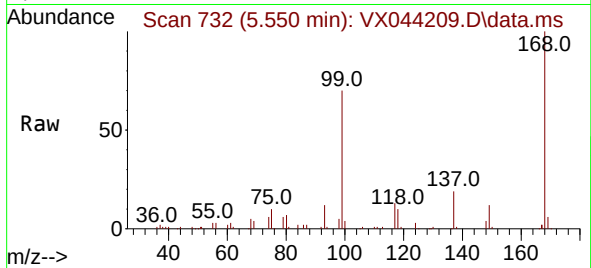




#38
Carbon Tetrachloride
Concen: 6.350 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

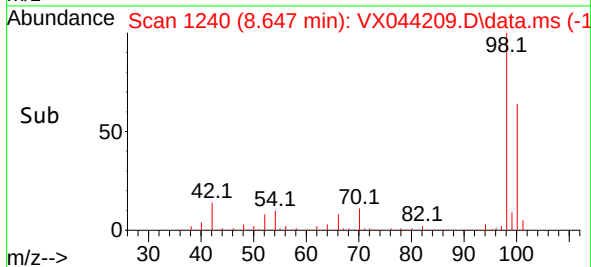
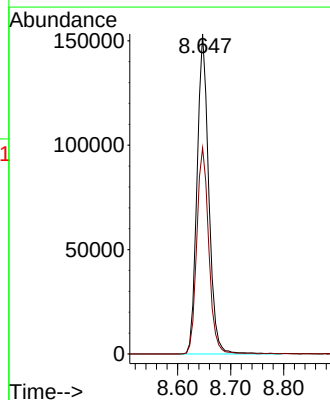
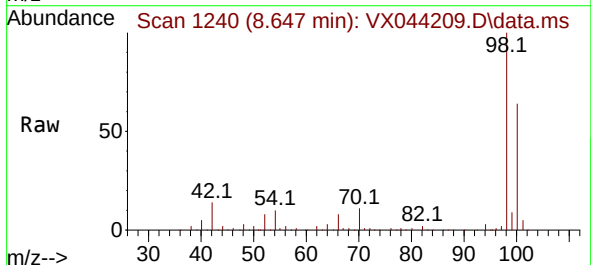
Instrument :
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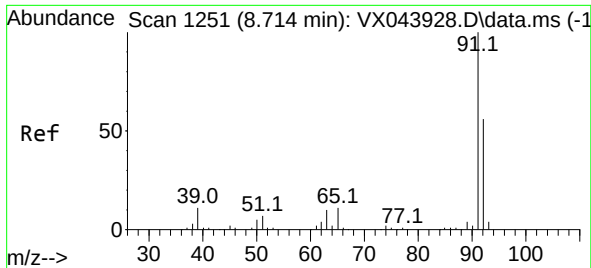
Tgt Ion:117 Resp: 12192
Ion Ratio Lower Upper
117 100
119 5.7 75.2 112.8#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.637 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

Tgt Ion: 98 Resp: 234620
Ion Ratio Lower Upper
98 100
100 66.0 52.6 79.0





#52

Toluene

Concen: 6.315 ug/l

RT: 8.720 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044209.D

Acq: 10 Dec 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :

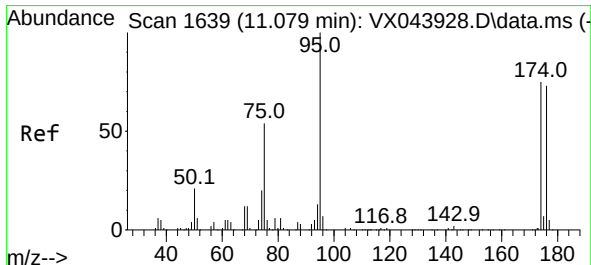
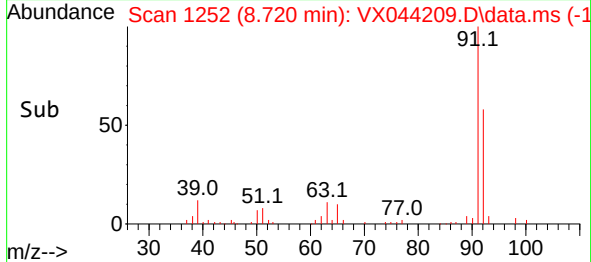
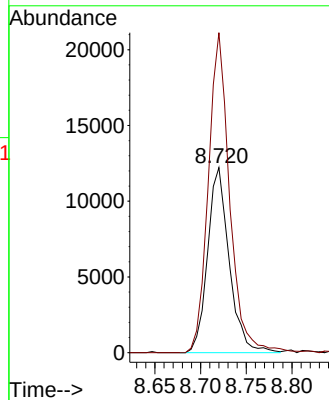
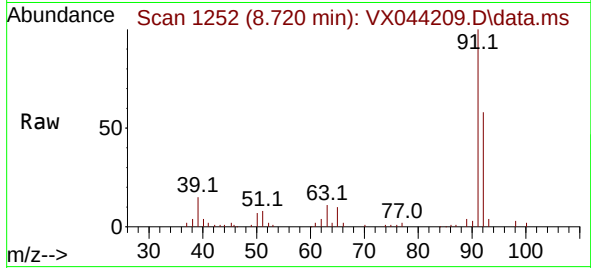
GAS-AUD-1610-1611-1612

Tgt Ion: 92 Resp: 20119

Ion Ratio Lower Upper

92 100

91 170.8 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 50.380 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044209.D

Acq: 10 Dec 2024 15:36

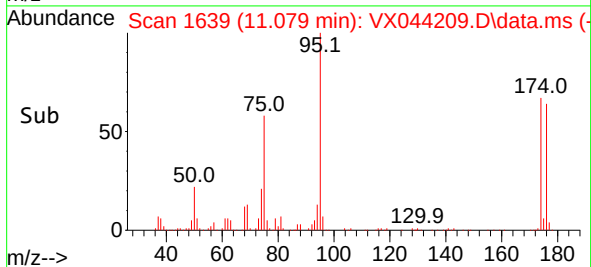
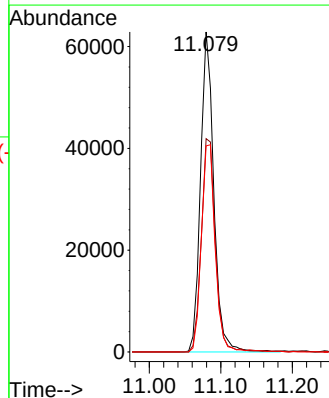
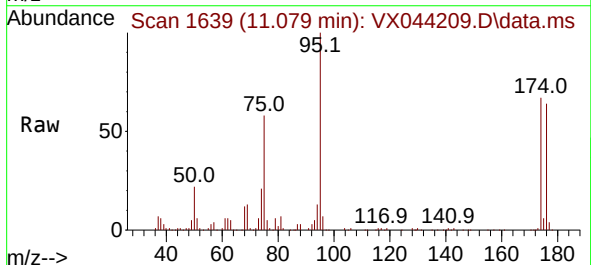
Tgt Ion: 95 Resp: 81043

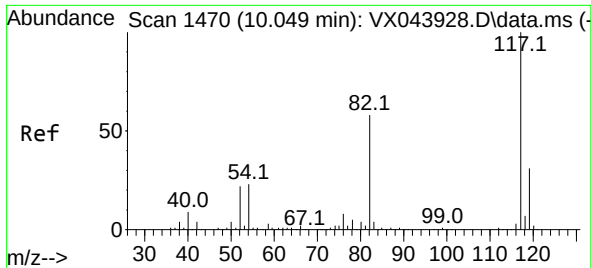
Ion Ratio Lower Upper

95 100

174 70.5 0.0 150.4

176 67.1 0.0 146.0

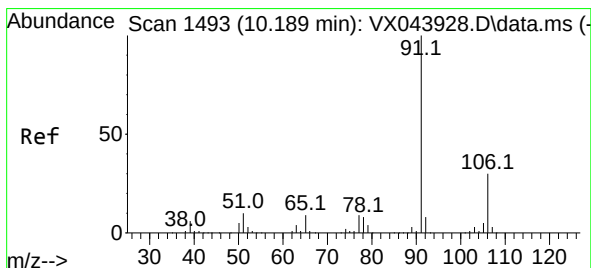
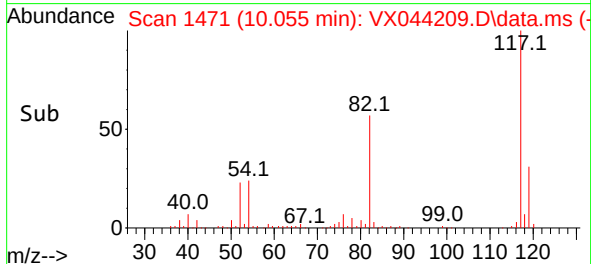
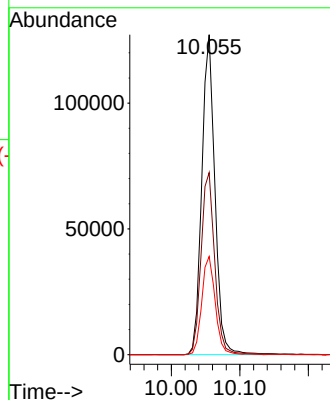
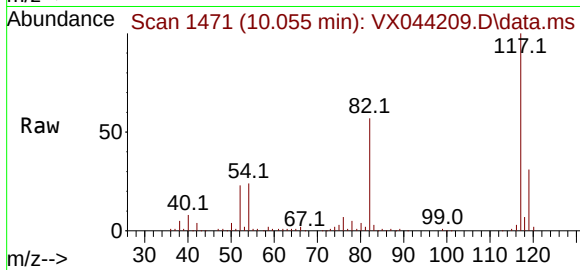




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

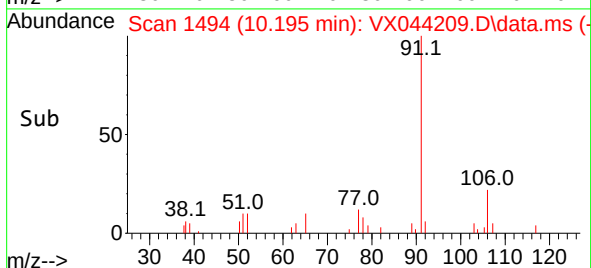
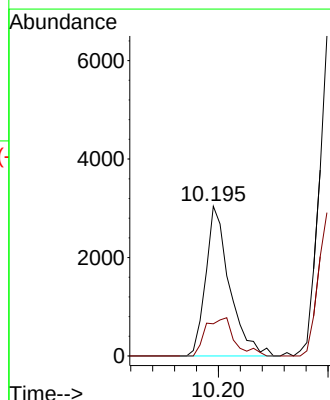
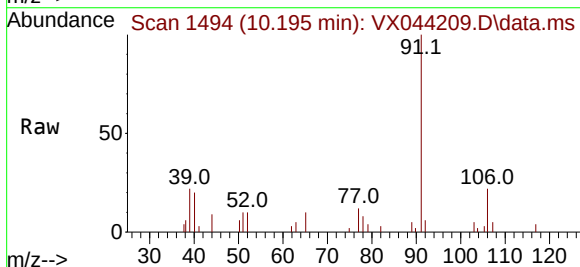
Instrument :
MSVOA_X
ClientSampleId :
GAS-AUD-1610-1611-1612

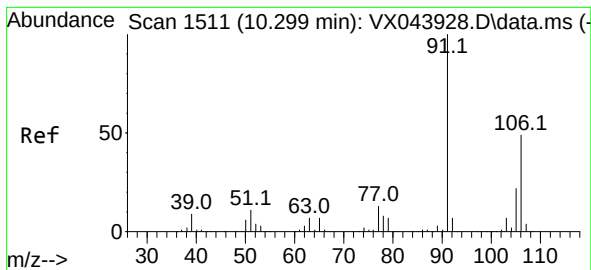
Tgt Ion:117 Resp: 169919
Ion Ratio Lower Upper
117 100
82 56.9 46.4 69.6
119 30.7 24.6 37.0



#67
Ethyl Benzene
Concen: 0.724 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

Tgt Ion: 91 Resp: 4577
Ion Ratio Lower Upper
91 100
106 21.5 23.6 35.4#





#68

m/p-Xylenes

Concen: 2.153 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX044209.D

Acq: 10 Dec 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :

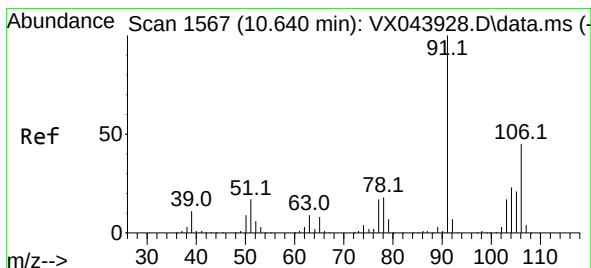
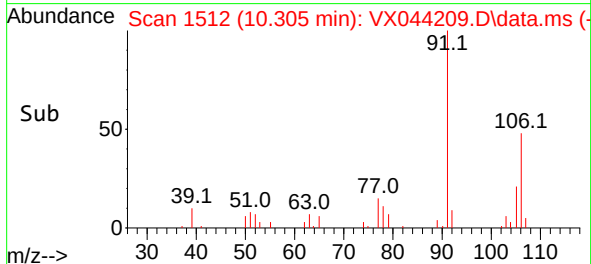
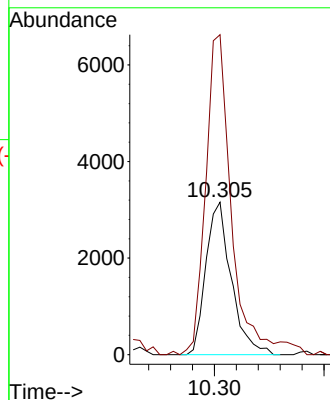
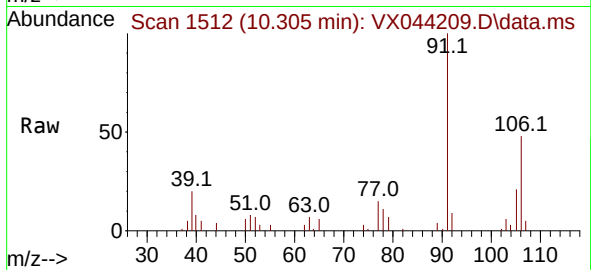
GAS-AUD-1610-1611-1612

Tgt Ion:106 Resp: 5078

Ion Ratio Lower Upper

106 100

91 215.0 168.1 252.1



#69

o-Xylene

Concen: 1.514 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044209.D

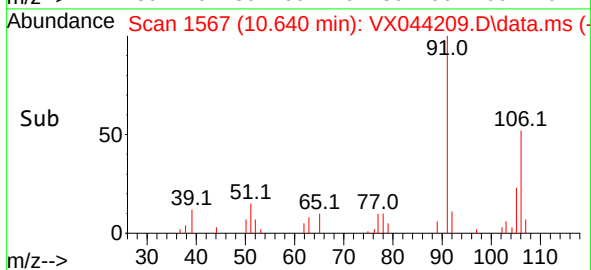
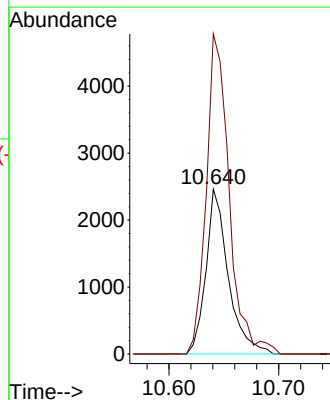
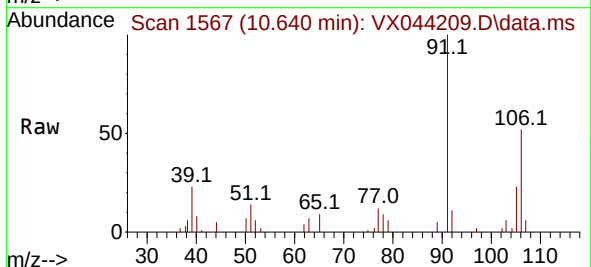
Acq: 10 Dec 2024 15:36

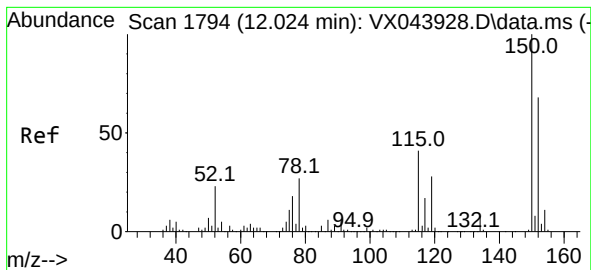
Tgt Ion:106 Resp: 3487

Ion Ratio Lower Upper

106 100

91 198.7 110.2 330.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044209.D

Acq: 10 Dec 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :

GAS-AUD-1610-1611-1612

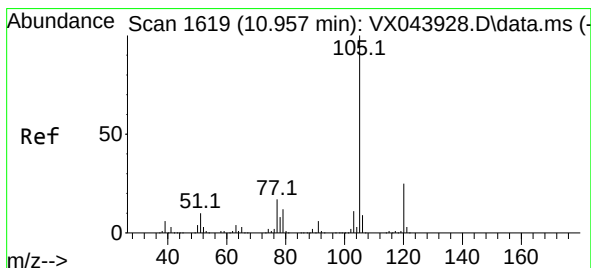
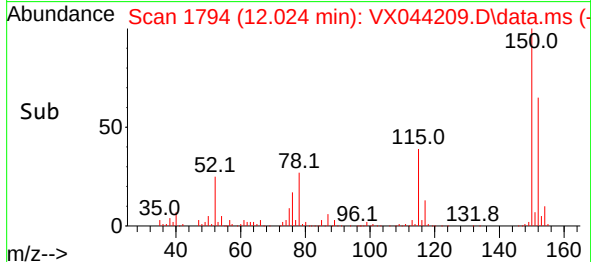
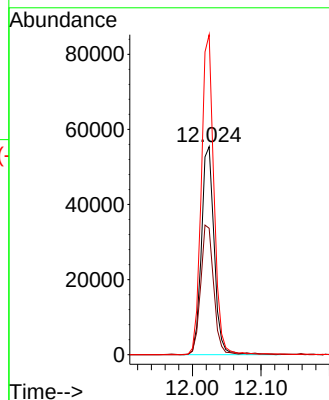
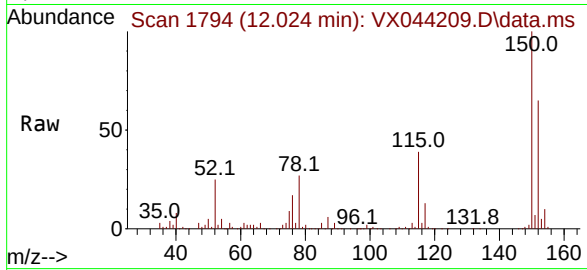
Tgt Ion:152 Resp: 71856

Ion Ratio Lower Upper

152 100

115 63.4 45.4 136.2

150 152.2 0.0 353.0



#73

Isopropylbenzene

Concen: 0.305 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX044209.D

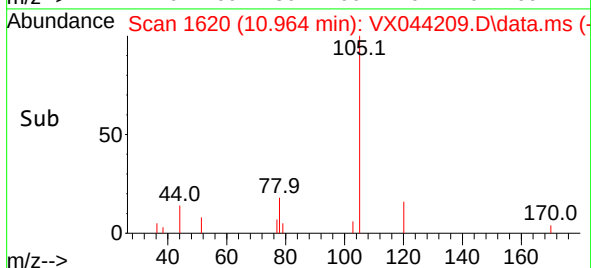
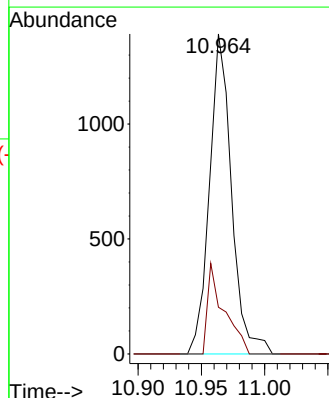
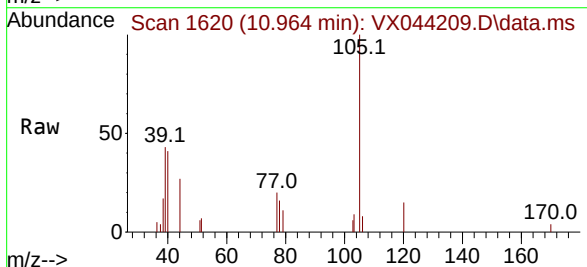
Acq: 10 Dec 2024 15:36

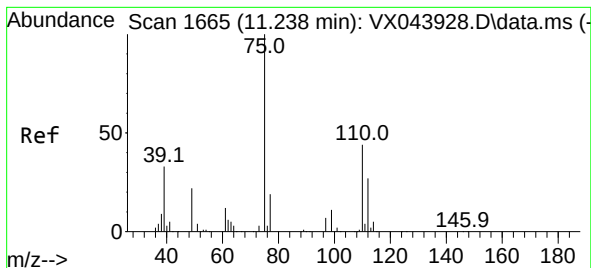
Tgt Ion:105 Resp: 1686

Ion Ratio Lower Upper

105 100

120 21.2 13.0 38.9





#76

1,2,3-Trichloropropane

Concen: 30.024 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044209.D

Acq: 10 Dec 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :

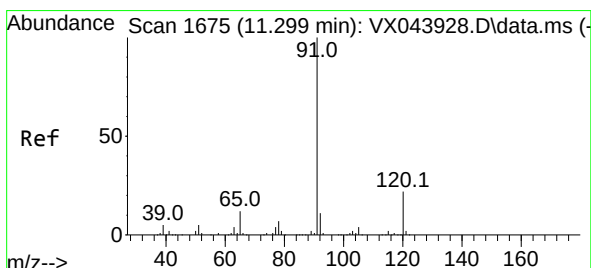
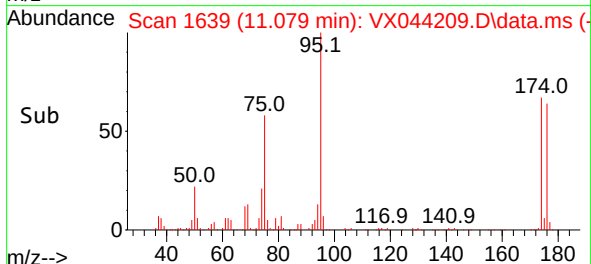
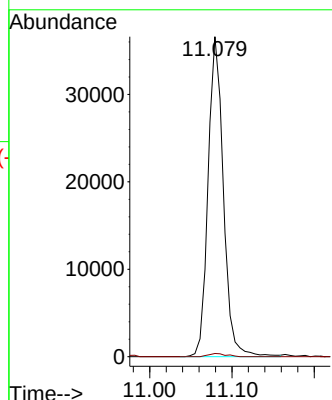
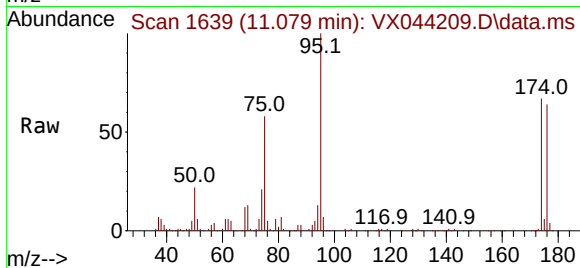
GAS-AUD-1610-1611-1612

Tgt Ion: 75 Resp: 47312

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.3#



#78

n-propylbenzene

Concen: 0.562 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.012 min

Lab File: VX044209.D

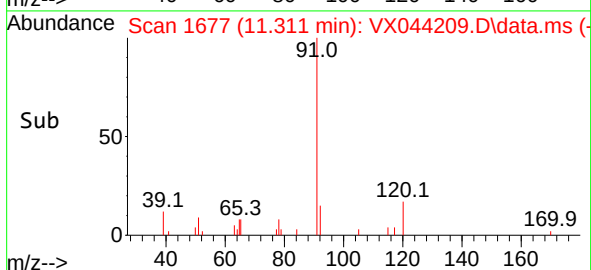
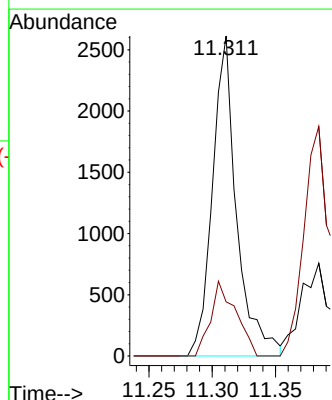
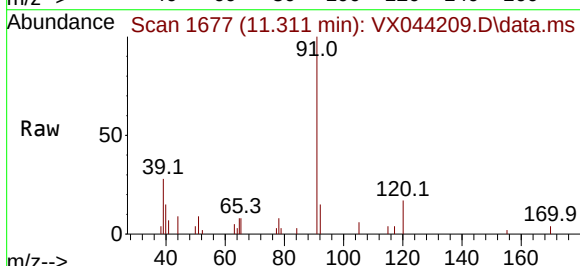
Acq: 10 Dec 2024 15:36

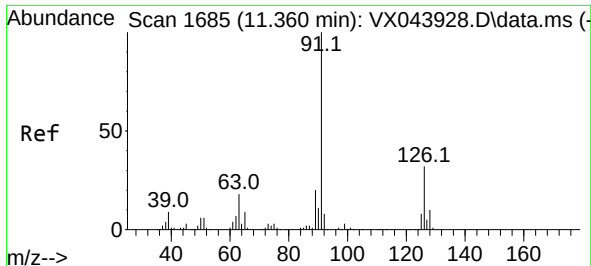
Tgt Ion: 91 Resp: 3470

Ion Ratio Lower Upper

91 100

120 24.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.386 ug/l

RT: 11.384 min Scan# 1

Delta R.T. 0.024 min

Lab File: VX044209.D

Acq: 10 Dec 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :

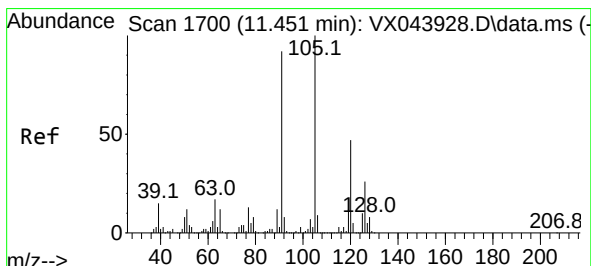
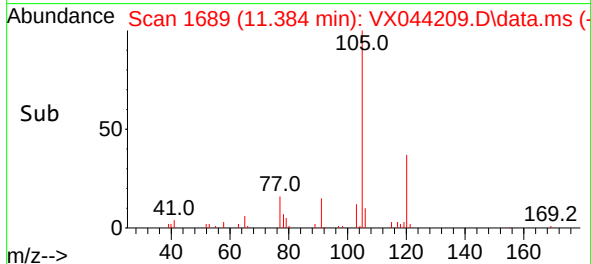
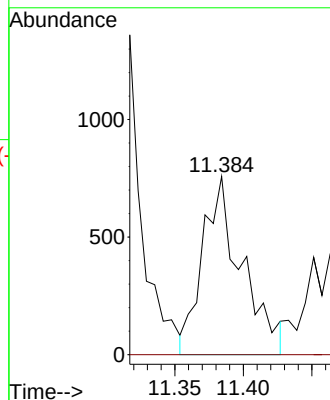
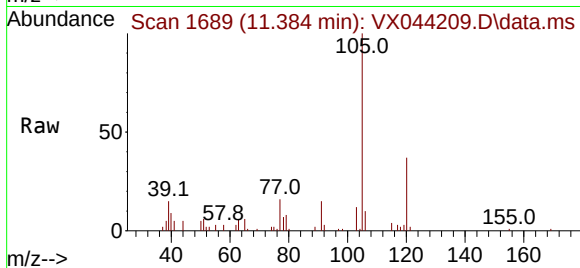
GAS-AUD-1610-1611-1612

Tgt Ion: 91 Resp: 1505

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.821 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044209.D

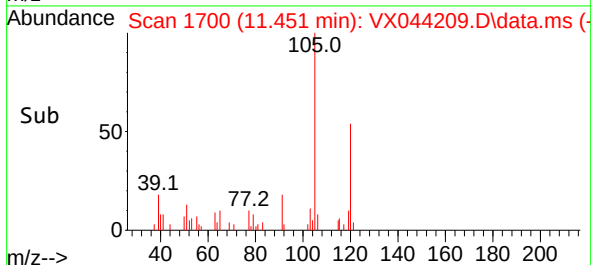
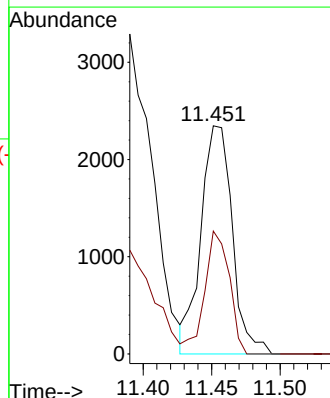
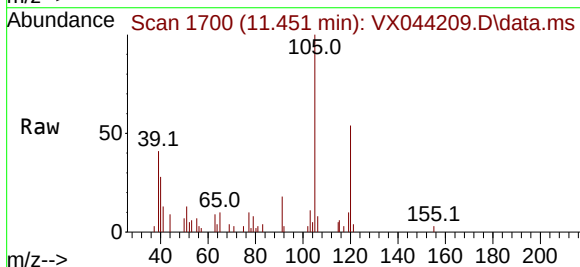
Acq: 10 Dec 2024 15:36

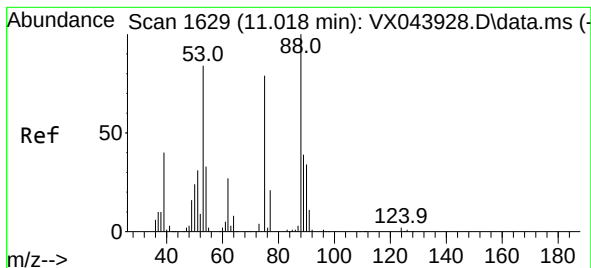
Tgt Ion: 105 Resp: 3733

Ion Ratio Lower Upper

105 100

120 42.4 23.3 69.8

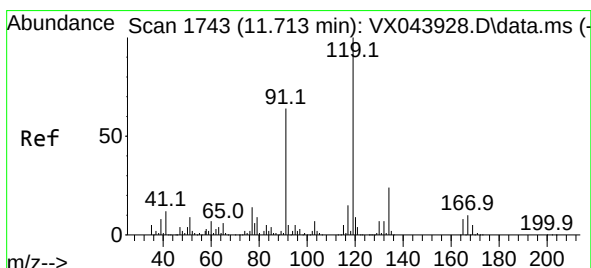
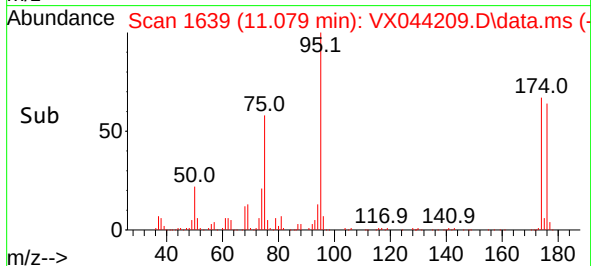
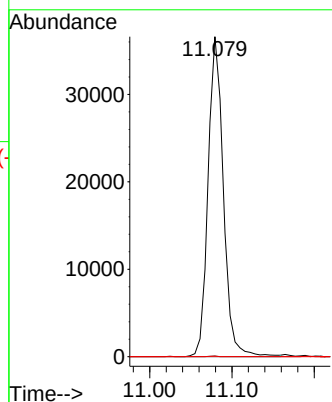
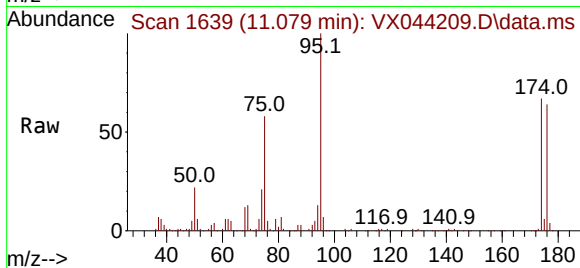




#81
trans-1,4-Dichloro-2-butene
Concen: 81.929 ug/l
RT: 11.079 min Scan# 1785
Delta R.T. 0.061 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

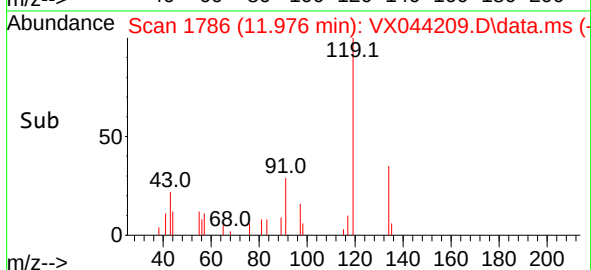
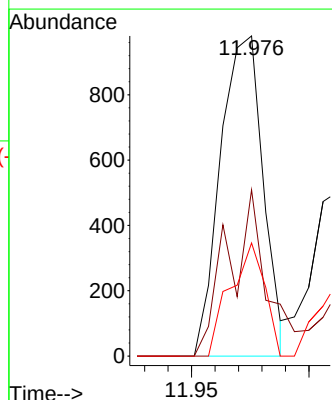
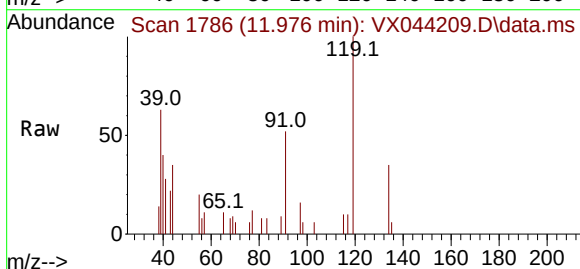
Instrument :
MSVOA_X
ClientSampleId :
GAS-AUD-1610-1611-1612

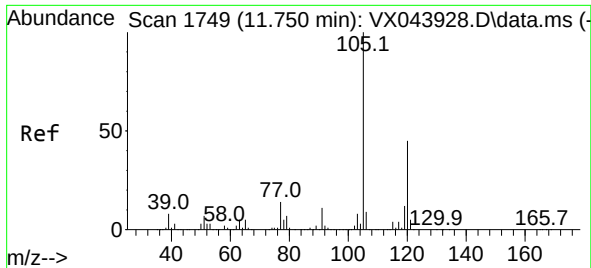
Tgt Ion: 75 Resp: 47312
Ion Ratio Lower Upper
75 100
53 0.1 86.7 130.1#
89 0.0 38.2 57.2#



#83
tert-Butylbenzene
Concen: 0.276 ug/l
RT: 11.976 min Scan# 1786
Delta R.T. 0.262 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

Tgt Ion: 119 Resp: 1242
Ion Ratio Lower Upper
119 100
91 44.6 31.0 93.0
134 28.6 11.6 34.8

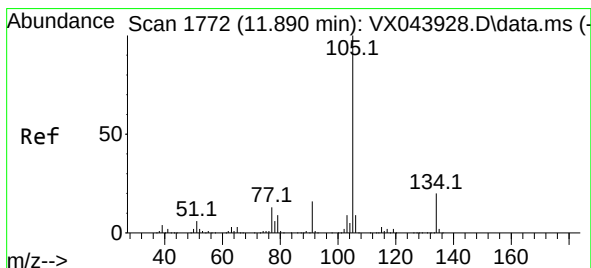
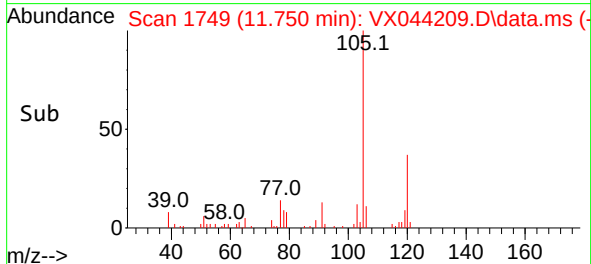
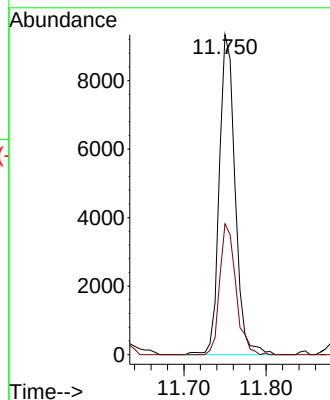
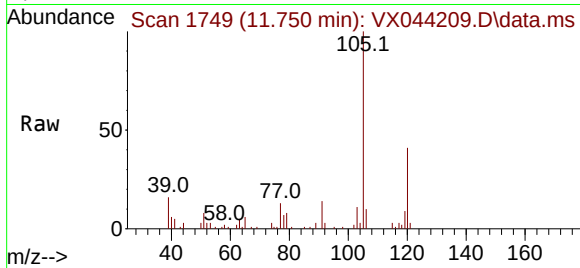




#84
1,2,4-Trimethylbenzene
Concen: 2.762 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

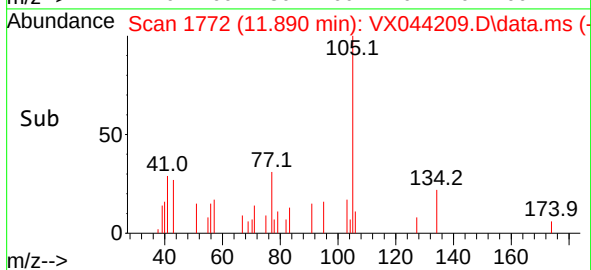
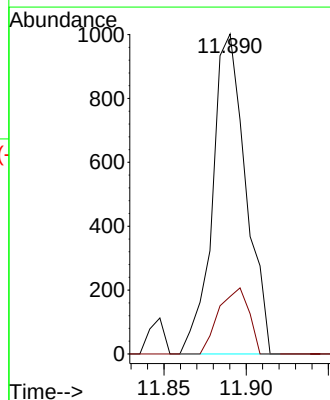
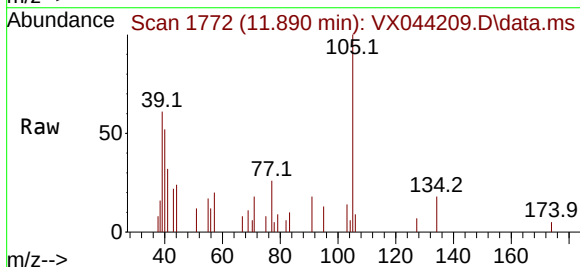
Instrument :
MSVOA_X
ClientSampleId :
GAS-AUD-1610-1611-1612

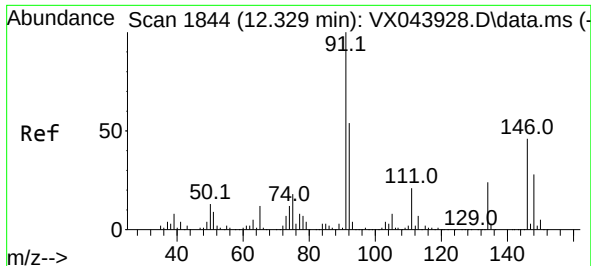
Tgt Ion:105 Resp: 12498
Ion Ratio Lower Upper
105 100
120 41.6 21.9 65.7



#85
sec-Butylbenzene
Concen: 0.256 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX044209.D
Acq: 10 Dec 2024 15:36

Tgt Ion:105 Resp: 1415
Ion Ratio Lower Upper
105 100
134 18.7 9.7 29.1





#89

n-Butylbenzene

Concen: 0.423 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044209.D

Acq: 10 Dec 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :

GAS-AUD-1610-1611-1612

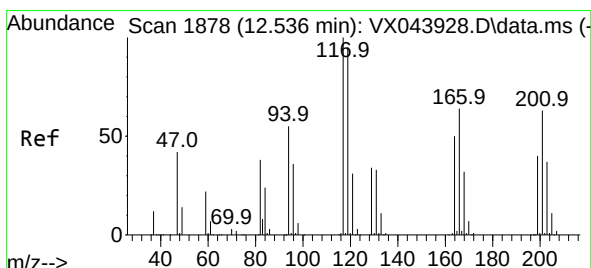
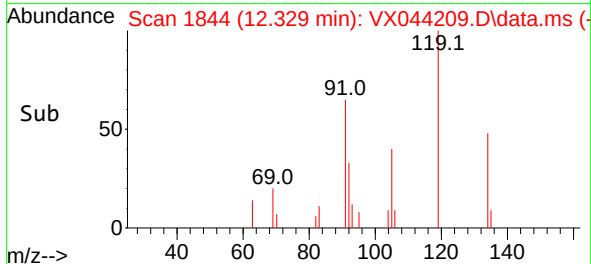
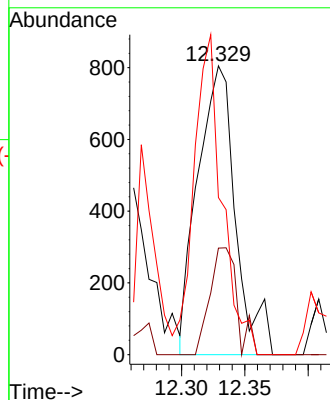
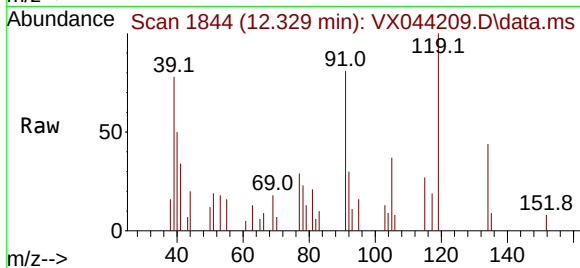
Tgt Ion: 91 Resp: 1672

Ion Ratio Lower Upper

91 100

92 26.6 26.6 79.8#

134 82.1 12.4 37.2#



#90

Hexachloroethane

Concen: 0.370 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044209.D

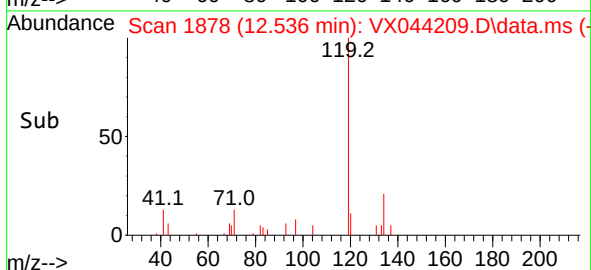
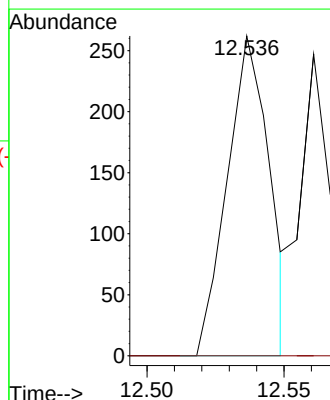
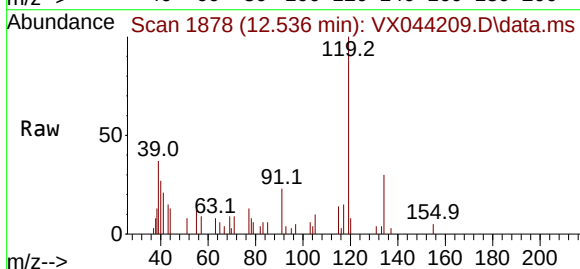
Acq: 10 Dec 2024 15:36

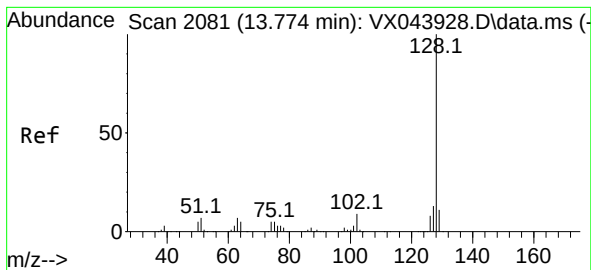
Tgt Ion: 117 Resp: 282

Ion Ratio Lower Upper

117 100

201 0.0 32.4 97.0#





#95

Naphthalene

Concen: 1.144 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX044209.D

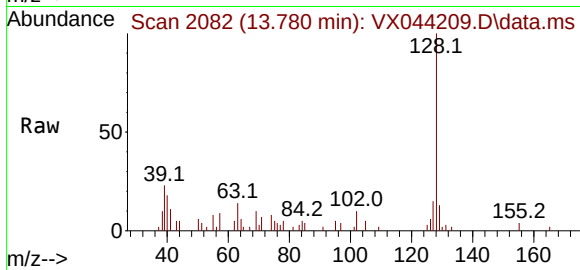
Acq: 10 Dec 2024 15:36

Instrument :

MSVOA_X

ClientSampleId :

GAS-AUD-1610-1611-1612



Tgt Ion:128 Resp: 5878

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.2

129 12.8 8.6 12.8

