

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012924\
 Data File : VX040005.D
 Acq On : 29 Jan 2024 18:38
 Operator : JC/MD
 Sample : P1278-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1316

Quant Time: Jan 30 02:50:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

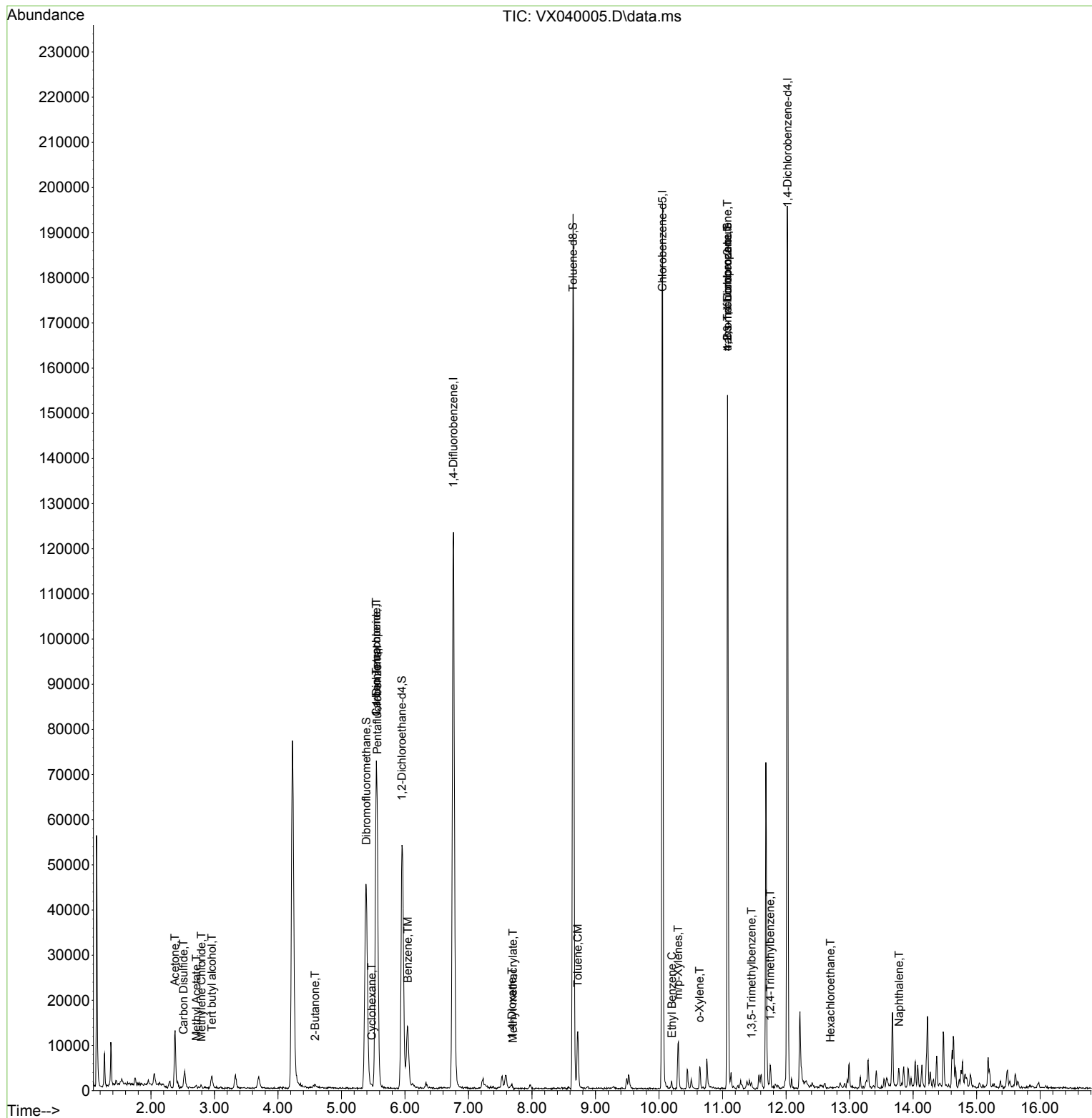
Internal Standards						
1) Pentafluorobenzene	5.562	168	62455	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.763	114	118779	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	77096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	33739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	53087	50.742	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.480%			
35) Dibromofluoromethane	5.391	113	39532	49.413	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.820%			
50) Toluene-d8	8.647	98	106542	35.310	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 70.620%#			
62) 4-Bromofluorobenzene	11.079	95	37598	31.865	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 63.720%#			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.959	59	2904	10.663	ug/l #	95
13) Acrolein	2.380	56	19	Below Cal	#	14
16) Acetone	2.380	43	13345	22.681	ug/l	99
17) Carbon Disulfide	2.514	76	465	0.215	ug/l #	76
18) Methyl Acetate	2.715	43	821	0.667	ug/l #	84
20) Methylene Chloride	2.794	84	237	0.266	ug/l #	64
25) 2-Butanone	4.587	43	786	0.930	ug/l #	66
31) Cyclohexane	5.477	56	286	0.207	ug/l #	77
36) 1,1-Dichloropropene	5.550	75	6002	4.820	ug/l #	48
38) Carbon Tetrachloride	5.550	117	7379	6.470	ug/l #	16
40) Benzene	6.044	78	15600	4.424	ug/l	92
48) Methyl methacrylate	7.702	41	308	0.257	ug/l #	35
49) 1,4-Dioxane	7.684	88	302	13.029	ug/l #	76
52) Toluene	8.720	92	4699	2.231	ug/l	95
67) Ethyl Benzene	10.201	91	1200	0.403	ug/l #	79
68) m/p-Xylenes	10.299	106	2313	2.110	ug/l	88
69) o-Xylene	10.640	106	1056	0.973	ug/l	84
76) 1,2,3-Trichloropropane	11.079	75	21820	24.945	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	569	0.249	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	21820	71.363	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	2227	0.978	ug/l	97
90) Hexachloroethane	12.701	117	95	0.249	ug/l #	17
95) Naphthalene	13.780	128	2714	1.064	ug/l	96

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

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AUD-1316

Quant Time: Jan 30 02:50:06 2024
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Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration

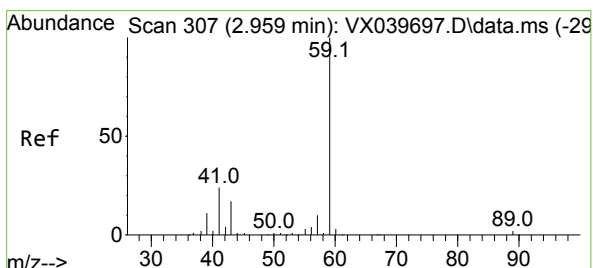
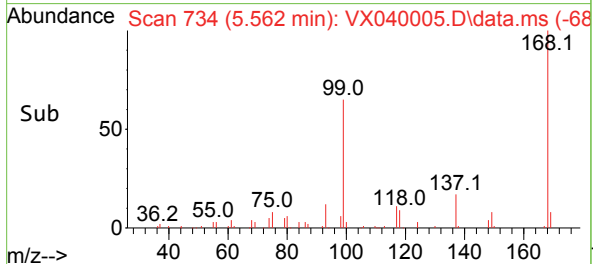
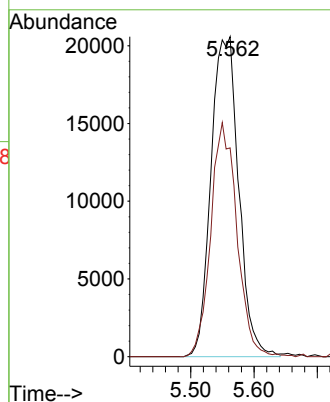
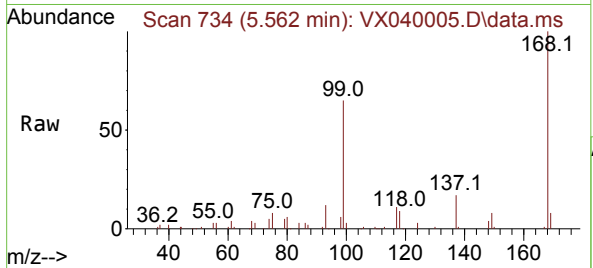




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

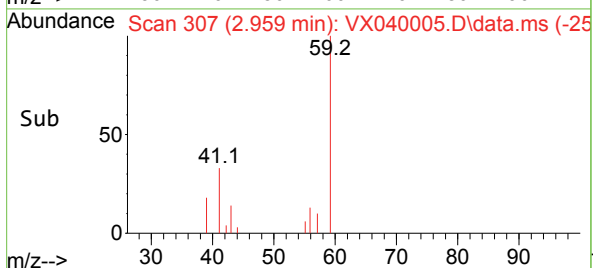
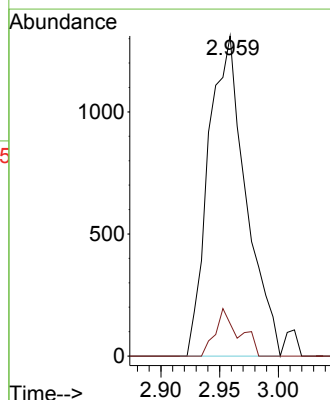
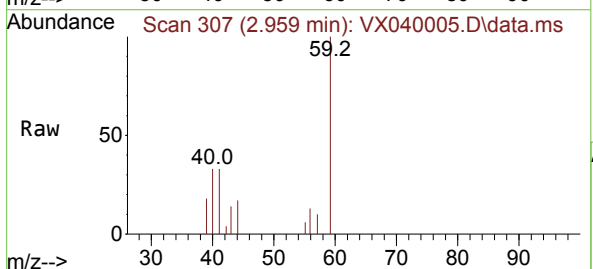
Instrument :
MSVOA_X
ClientSampleId :
AUD-1316

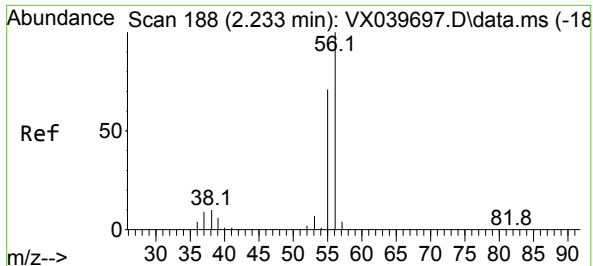
Tgt Ion:168 Resp: 62455
Ion Ratio Lower Upper
168 100
99 65.2 56.6 85.0



#11
Tert butyl alcohol
Concen: 10.663 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Tgt Ion: 59 Resp: 2904
Ion Ratio Lower Upper
59 100
57 9.4 6.0 9.0#

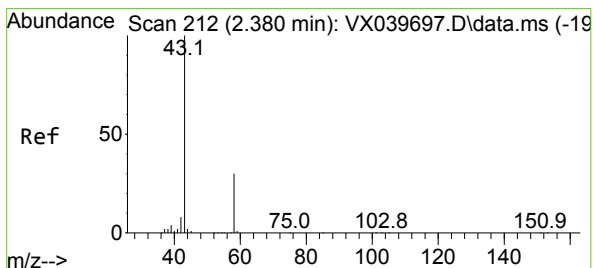
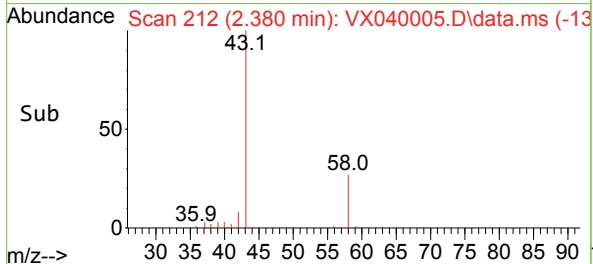
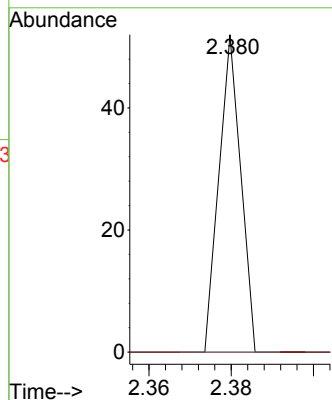
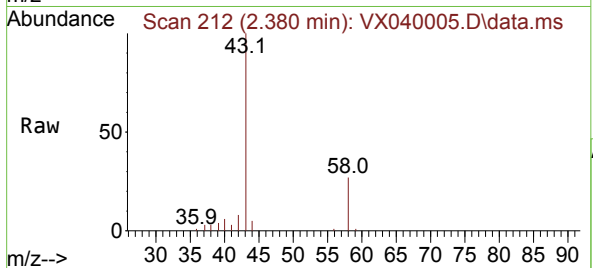




#13
Acrolein
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. 0.147 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

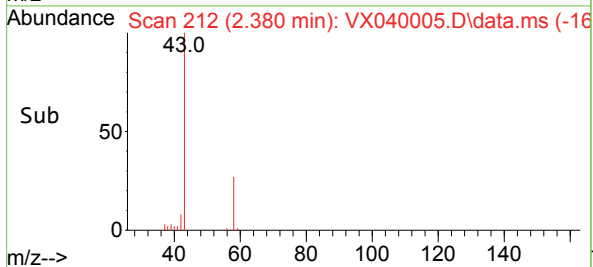
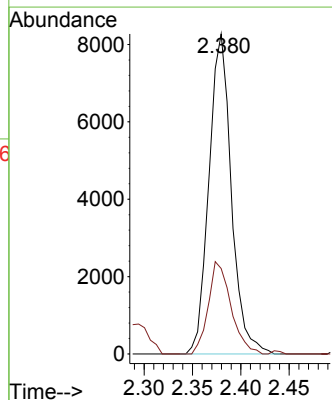
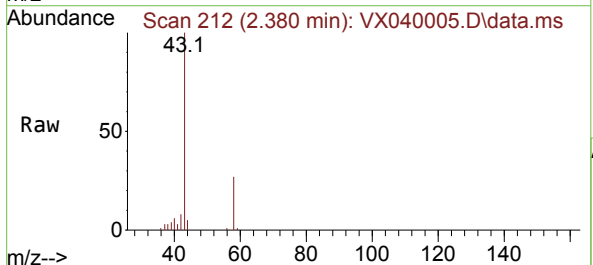
Instrument :
MSVOA_X
ClientSampleId :
AUD-1316

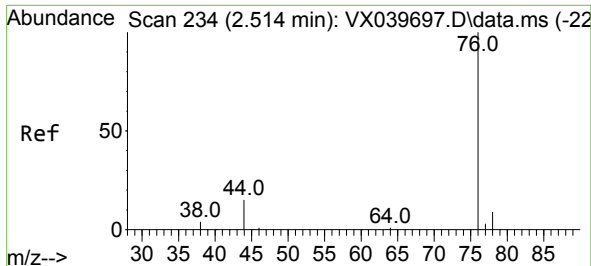
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 22.681 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Tgt Ion: 43 Resp: 13345
Ion Ratio Lower Upper
43 100
58 26.7 21.9 32.9





#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040005.D

Acq: 29 Jan 2024 18:38

Instrument :

MSVOA_X

ClientSampleId :

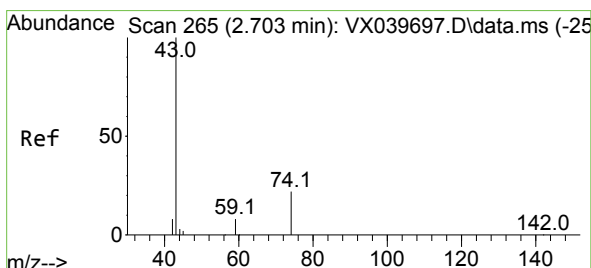
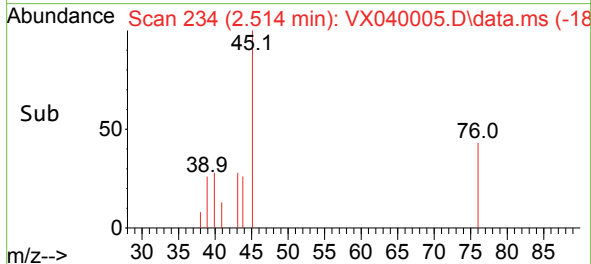
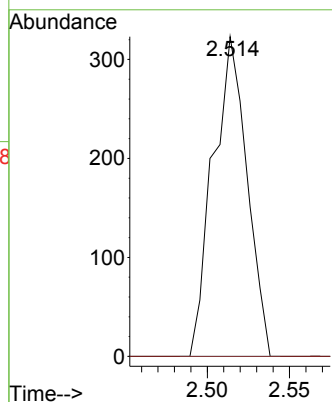
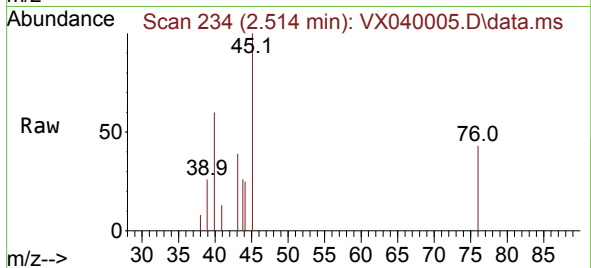
AUD-1316

Tgt Ion: 76 Resp: 465

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#18

Methyl Acetate

Concen: 0.667 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.012 min

Lab File: VX040005.D

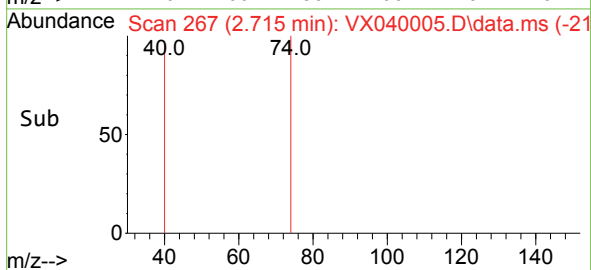
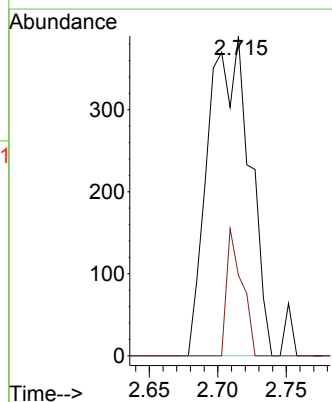
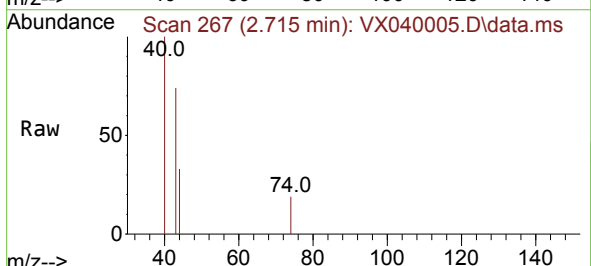
Acq: 29 Jan 2024 18:38

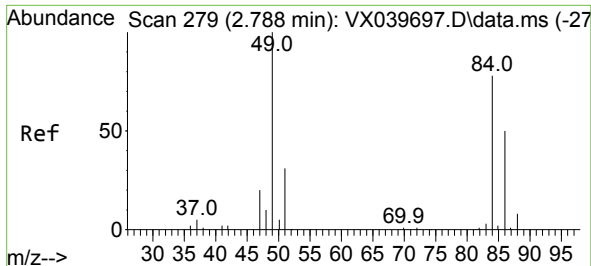
Tgt Ion: 43 Resp: 821

Ion Ratio Lower Upper

43 100

74 14.6 17.8 26.8#





#20

Methylene Chloride

Concen: 0.266 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX040005.D

Acq: 29 Jan 2024 18:38

Instrument :

MSVOA_X

ClientSampleId :

AUD-1316

Tgt Ion: 84 Resp: 237

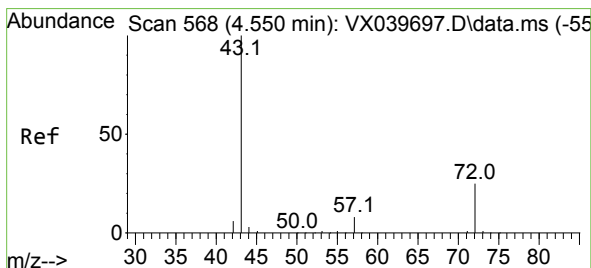
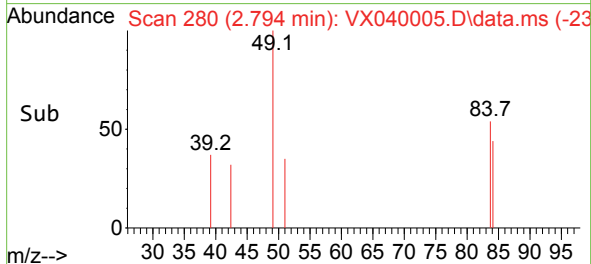
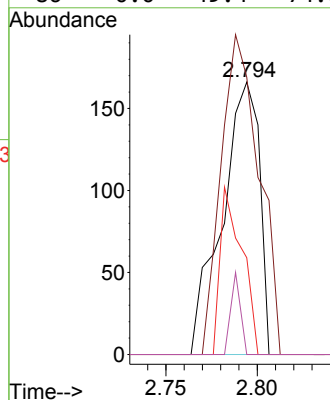
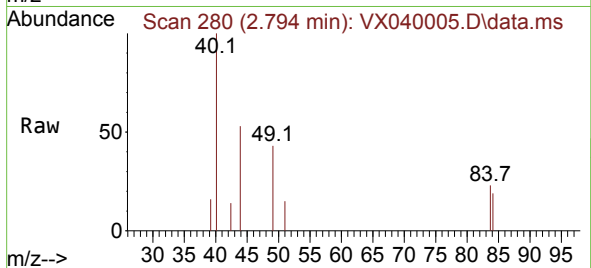
Ion Ratio Lower Upper

84 100

49 101.8 103.6 155.4#

51 35.5 33.8 50.6

86 0.0 49.4 74.0#



#25

2-Butanone

Concen: 0.930 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.037 min

Lab File: VX040005.D

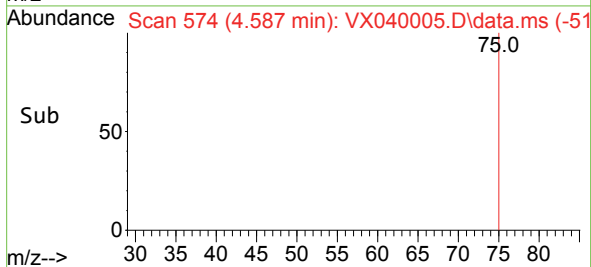
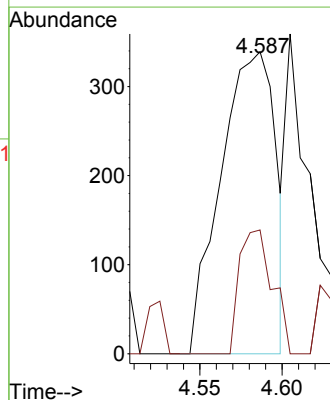
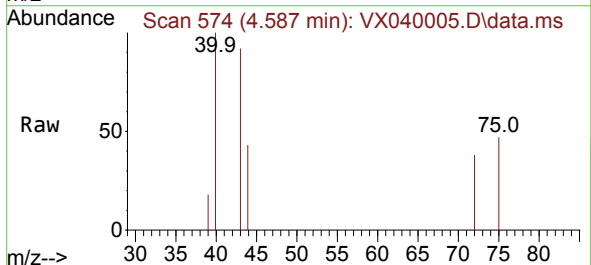
Acq: 29 Jan 2024 18:38

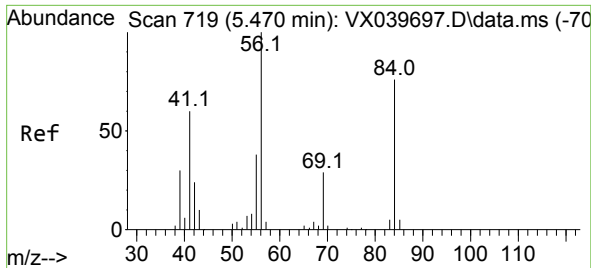
Tgt Ion: 43 Resp: 786

Ion Ratio Lower Upper

43 100

72 41.0 19.4 29.2#

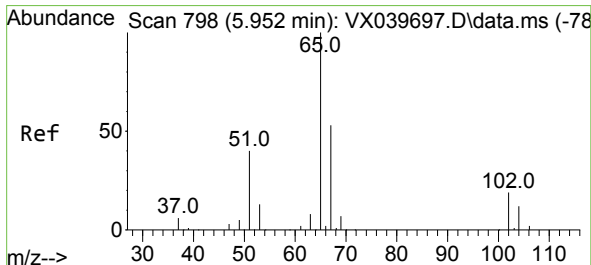
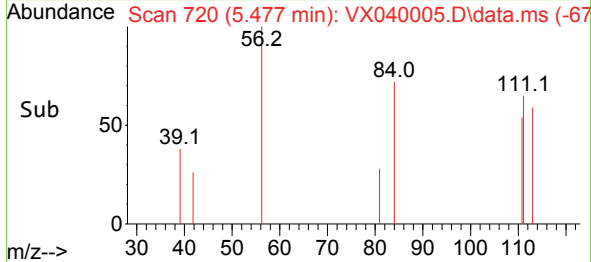
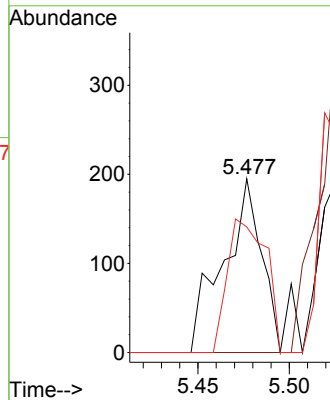
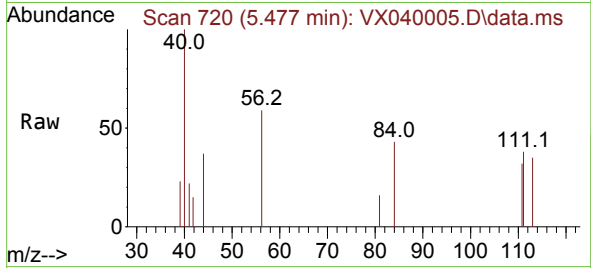




#31
Cyclohexane
Concen: 0.207 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

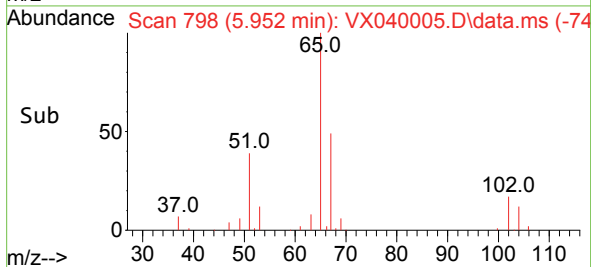
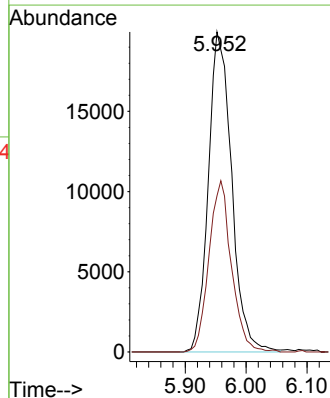
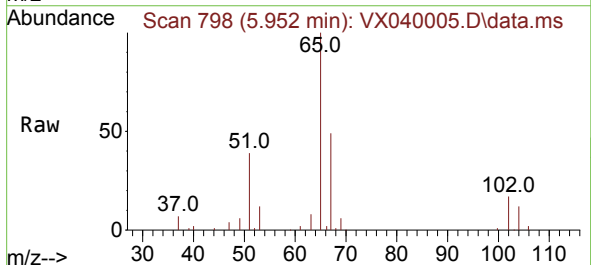
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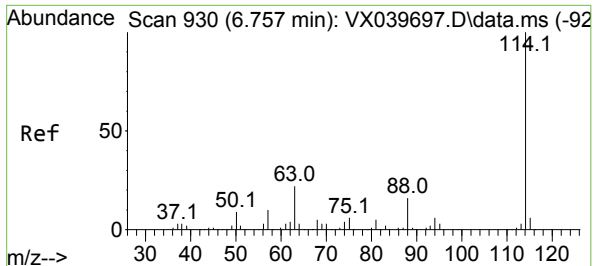
Tgt Ion: 56 Resp: 286
Ion Ratio Lower Upper
56 100
69 0.0 23.4 35.2#
84 72.3 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 50.742 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Tgt Ion: 65 Resp: 53087
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

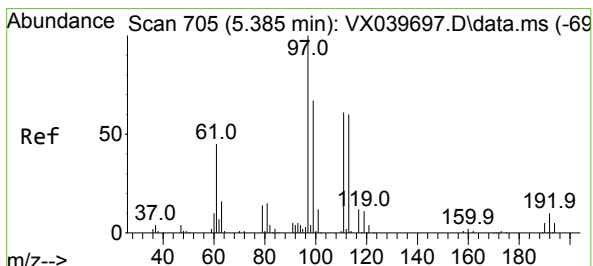
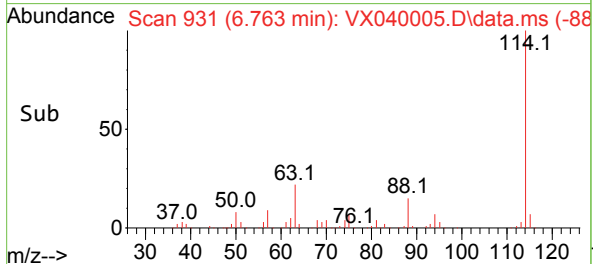
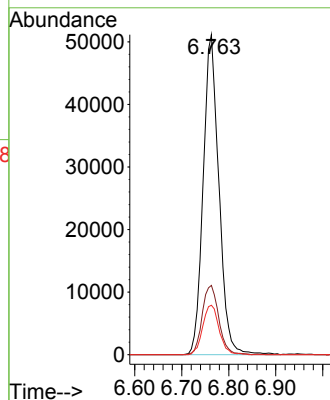
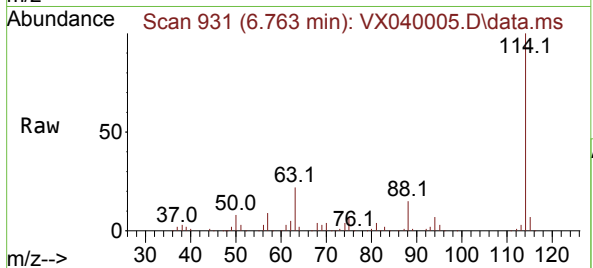




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

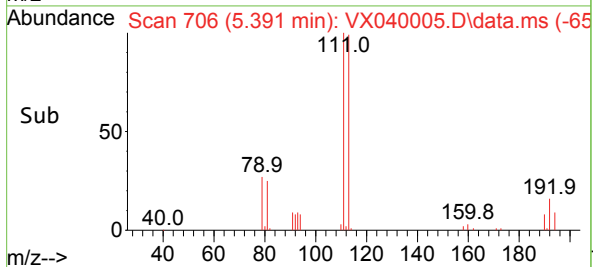
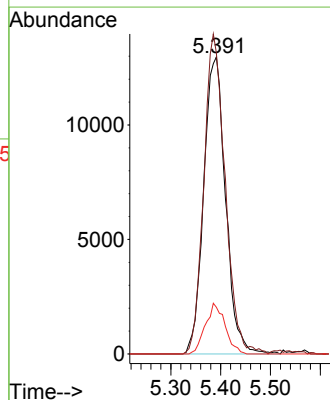
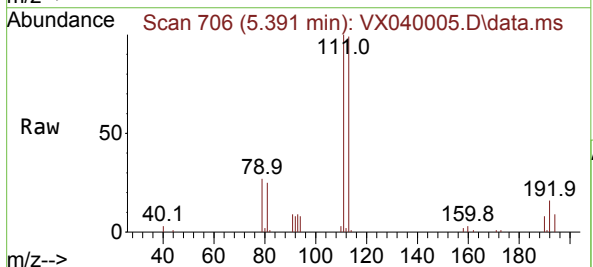
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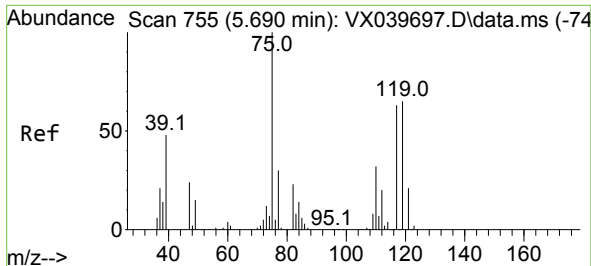
Tgt Ion:114 Resp: 118779
Ion Ratio Lower Upper
114 100
63 21.6 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.413 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Tgt Ion:113 Resp: 39532
Ion Ratio Lower Upper
113 100
111 104.7 82.9 124.3
192 15.4 13.3 19.9

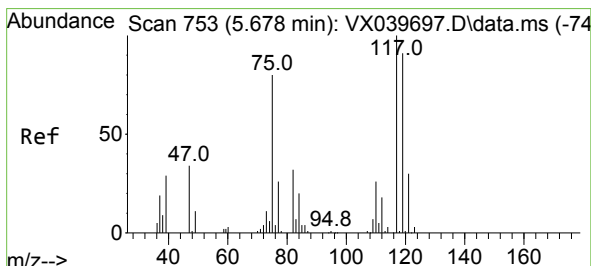
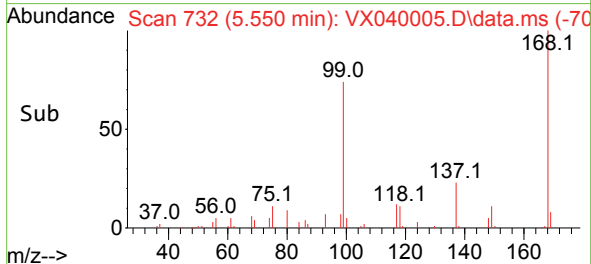
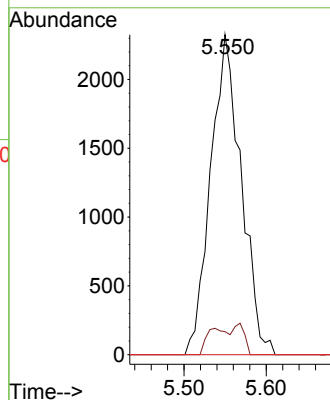
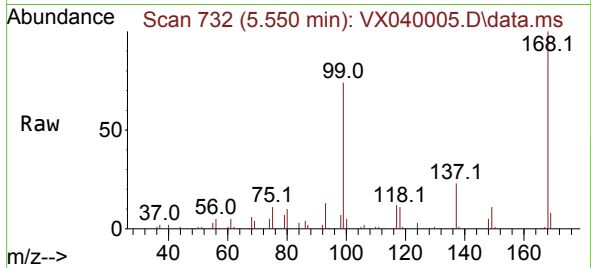




#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

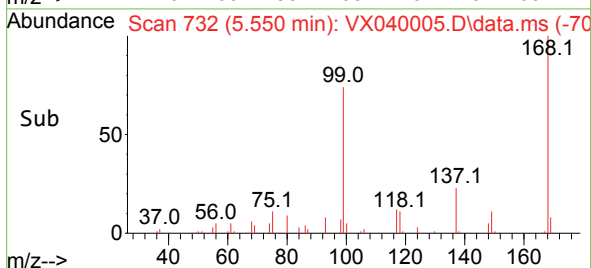
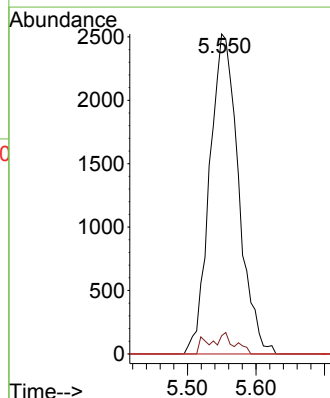
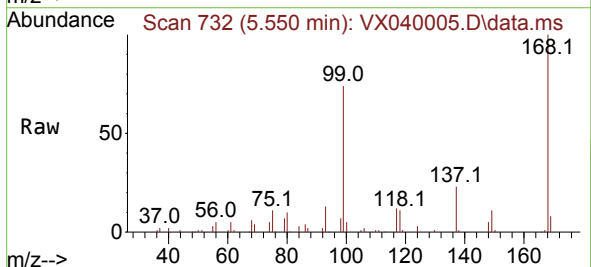
Instrument :
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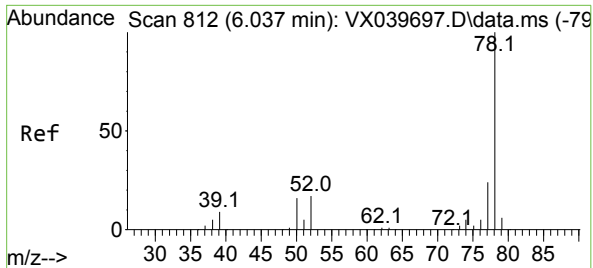
Tgt Ion: 75 Resp: 6002
Ion Ratio Lower Upper
75 100
110 5.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.470 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Tgt Ion: 117 Resp: 7379
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#





#40

Benzene

Concen: 4.424 ug/l

RT: 6.044 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX040005.D

Acq: 29 Jan 2024 18:38

Instrument :

MSVOA_X

ClientSampleId :

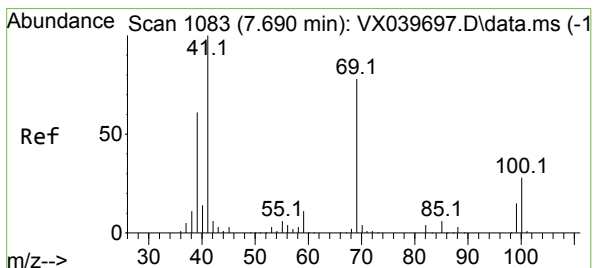
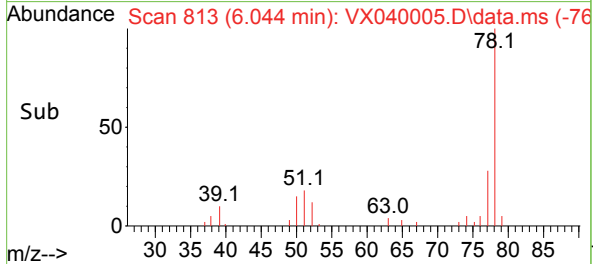
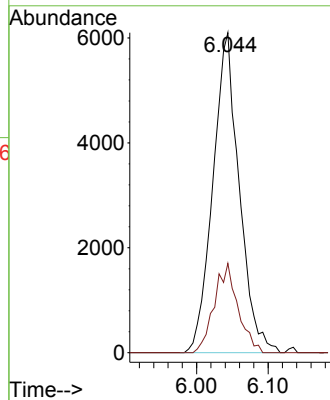
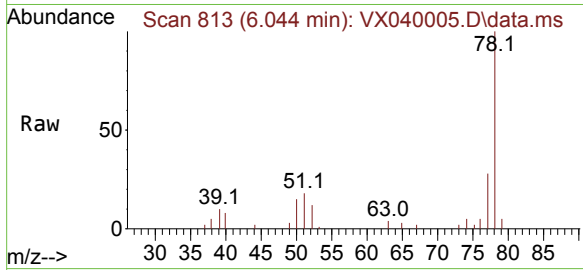
AUD-1316

Tgt Ion: 78 Resp: 15600

Ion Ratio Lower Upper

78 100

77 27.9 19.3 28.9



#48

Methyl methacrylate

Concen: 0.257 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.012 min

Lab File: VX040005.D

Acq: 29 Jan 2024 18:38

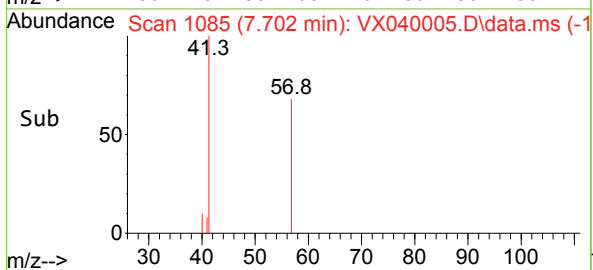
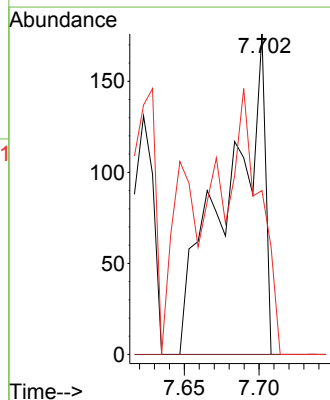
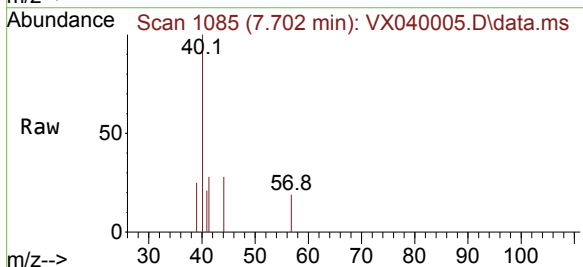
Tgt Ion: 41 Resp: 308

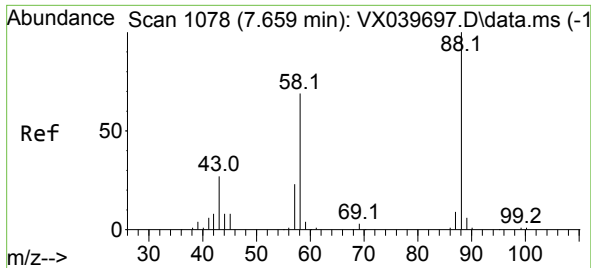
Ion Ratio Lower Upper

41 100

69 0.0 59.2 88.8#

39 88.3 47.7 71.5#

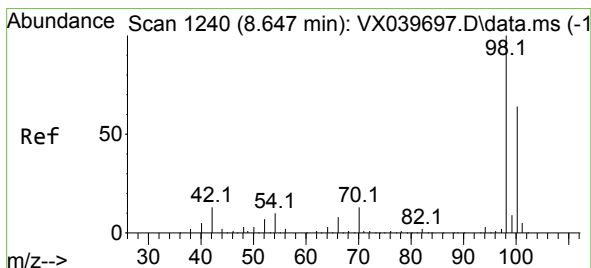
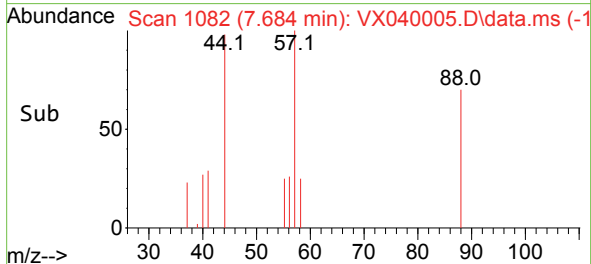
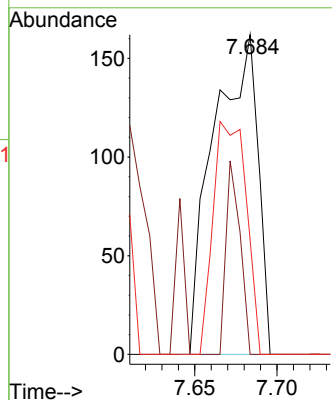
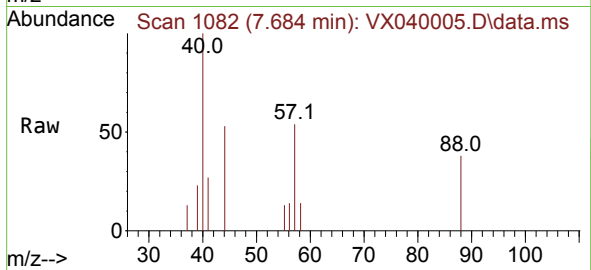




#49
1,4-Dioxane
Concen: 13.029 ug/l
RT: 7.684 min Scan# 1078
Delta R.T. 0.024 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

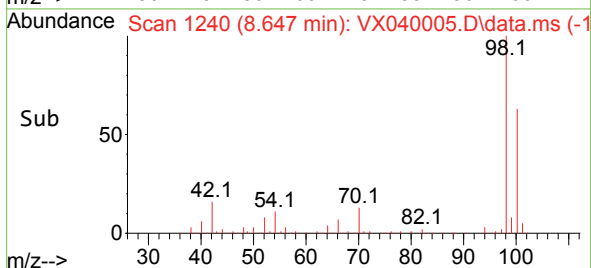
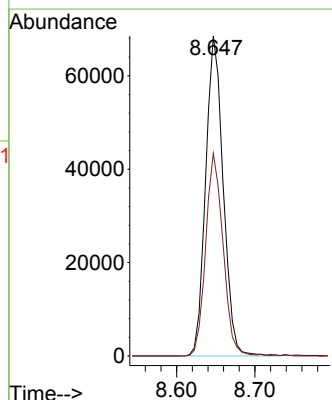
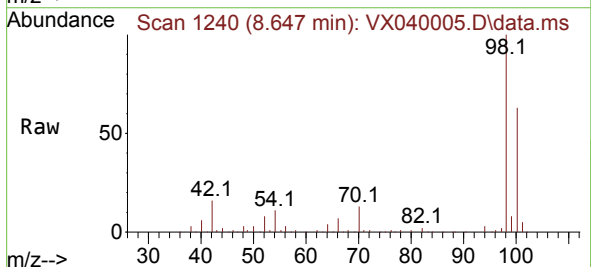
Instrument :
MSVOA_X
ClientSampleId :
AUD-1316

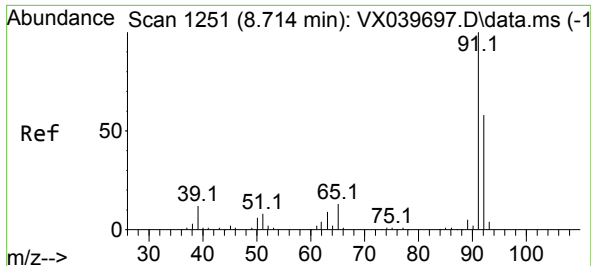
Tgt Ion: 88 Resp: 302
Ion Ratio Lower Upper
88 100
43 19.5 0.0 0.0#
58 54.6 60.1 90.1#



#50
Toluene-d8
Concen: 35.310 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Tgt Ion: 98 Resp: 106542
Ion Ratio Lower Upper
98 100
100 62.6 53.1 79.7

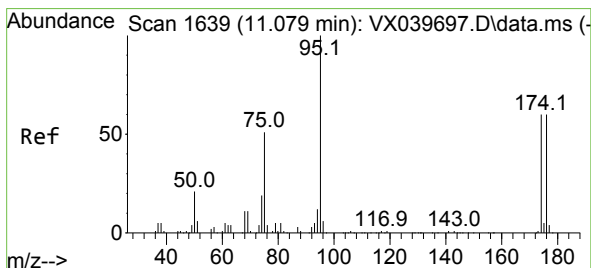
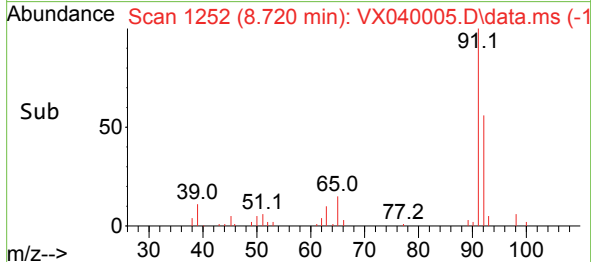
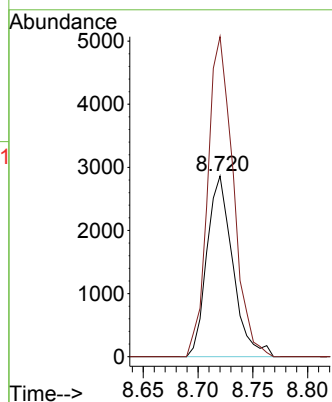
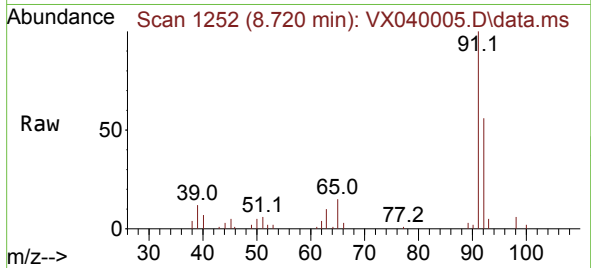




#52
Toluene
Concen: 2.231 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

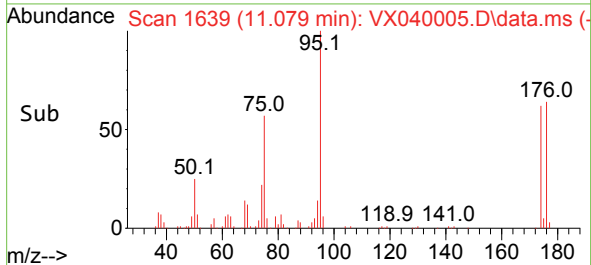
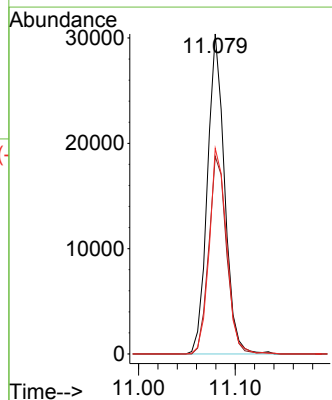
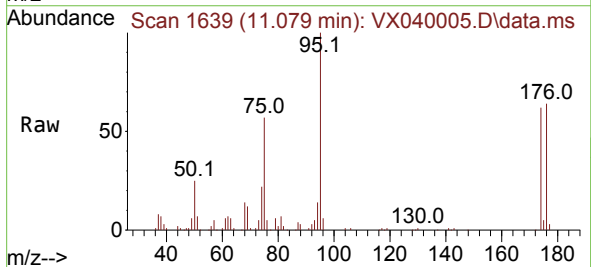
Instrument :
MSVOA_X
ClientSampleId :
AUD-1316

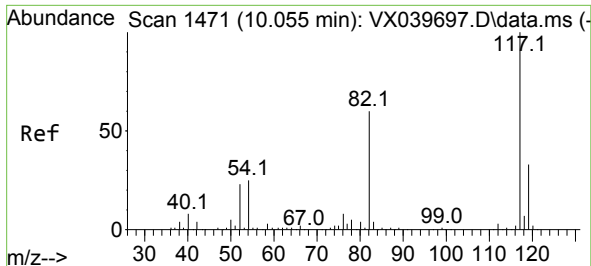
Tgt Ion: 92 Resp: 4699
Ion Ratio Lower Upper
92 100
91 174.7 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 31.865 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Tgt Ion: 95 Resp: 37598
Ion Ratio Lower Upper
95 100
174 64.0 0.0 135.6
176 64.8 0.0 131.0

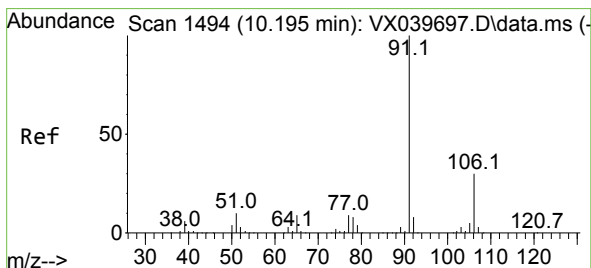
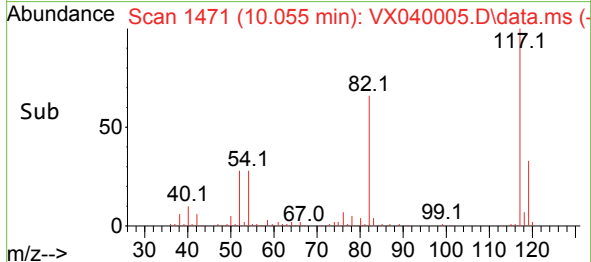
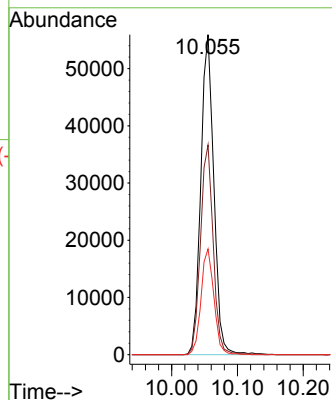
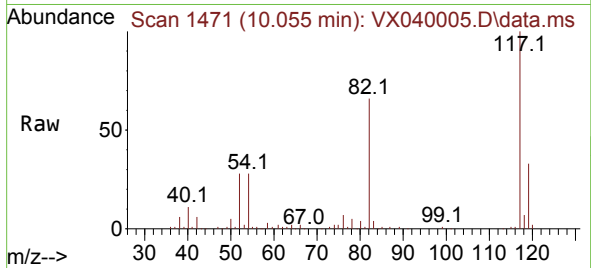




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

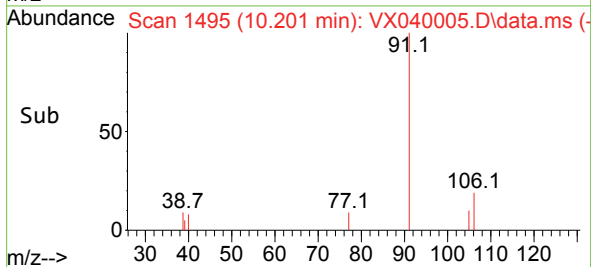
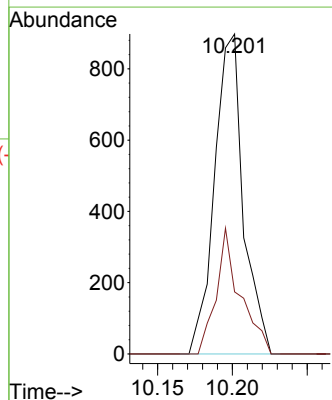
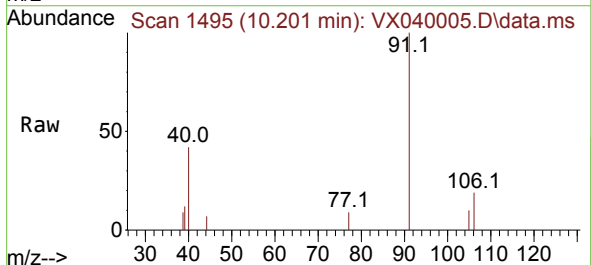
Instrument :
MSVOA_X
ClientSampleId :
AUD-1316

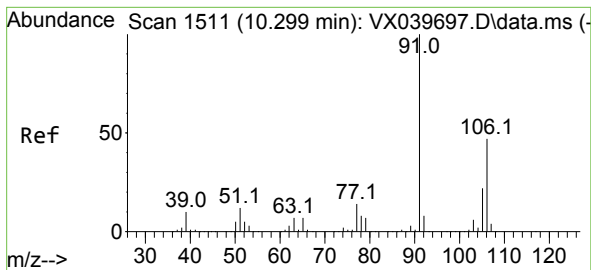
Tgt Ion:117 Resp: 77096
Ion Ratio Lower Upper
117 100
82 65.6 46.2 69.4
119 33.0 25.5 38.3



#67
Ethyl Benzene
Concen: 0.403 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Tgt Ion: 91 Resp: 1200
Ion Ratio Lower Upper
91 100
106 19.4 24.9 37.3#

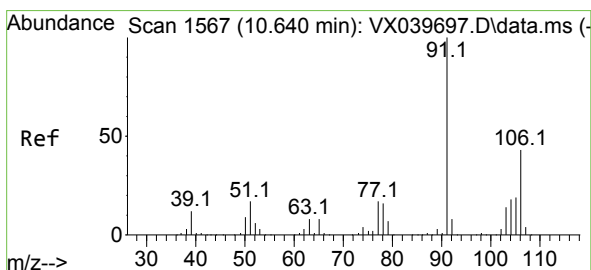
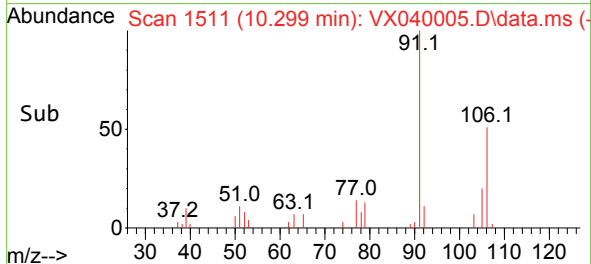
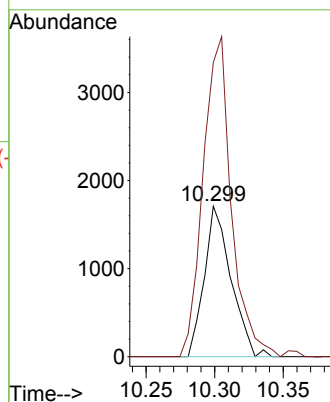
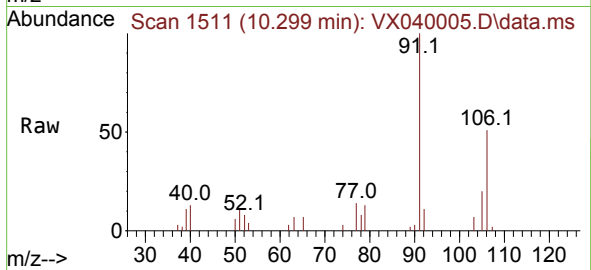




#68
m/p-Xylenes
Concen: 2.110 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

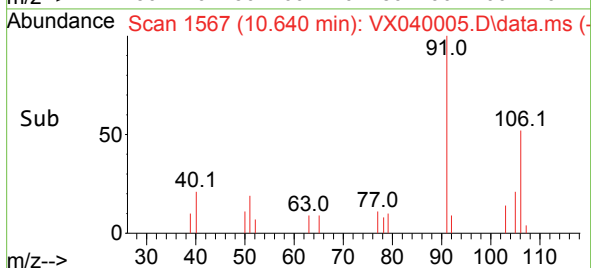
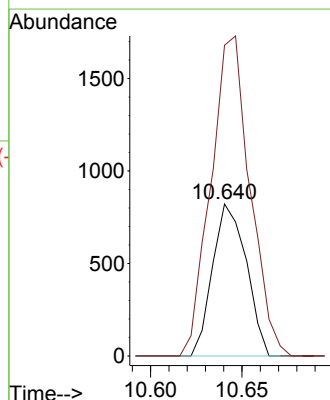
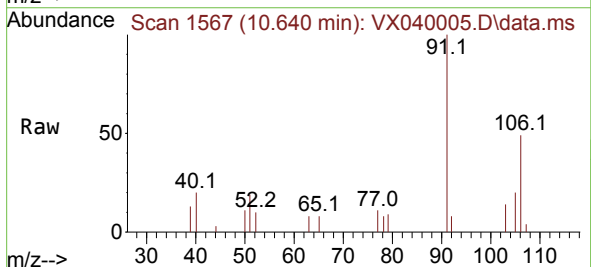
Instrument :
MSVOA_X
ClientSampleId :
AUD-1316

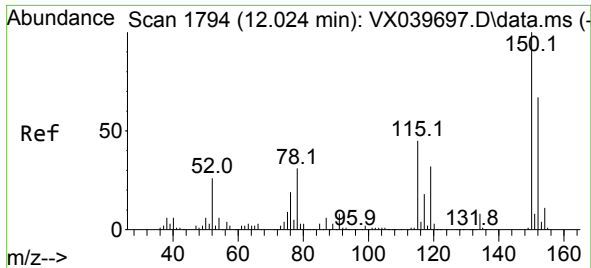
Tgt Ion:106 Resp: 2313
Ion Ratio Lower Upper
106 100
91 225.2 165.5 248.3



#69
o-Xylene
Concen: 0.973 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Tgt Ion:106 Resp: 1056
Ion Ratio Lower Upper
106 100
91 244.2 108.9 326.8

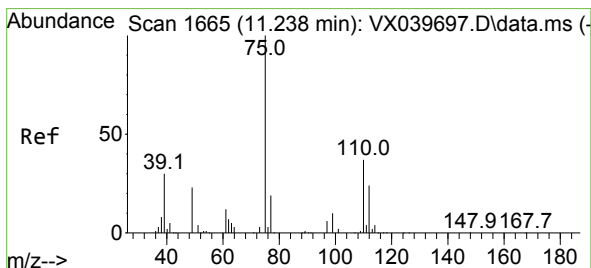
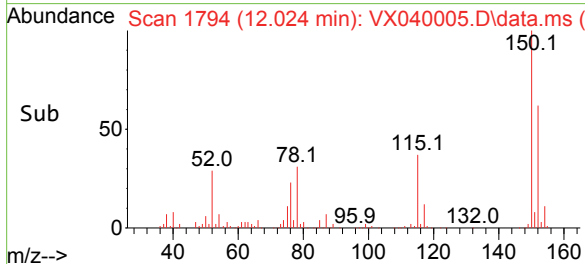
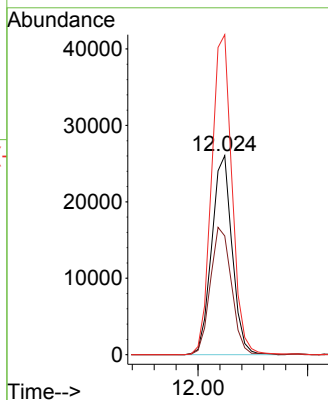
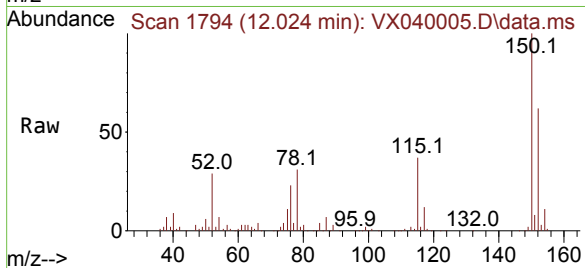




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX040005.D
 Acq: 29 Jan 2024 18:38

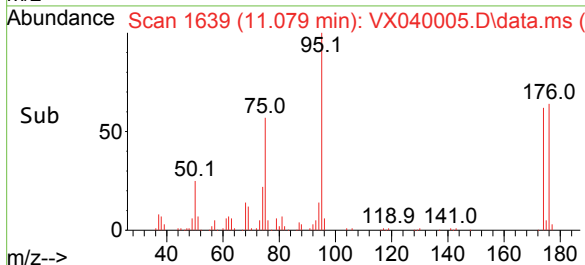
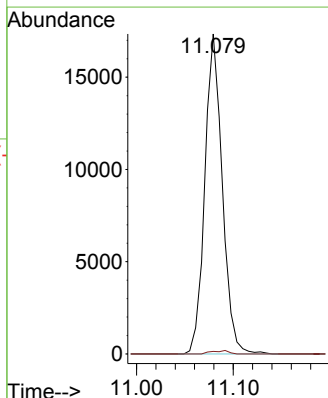
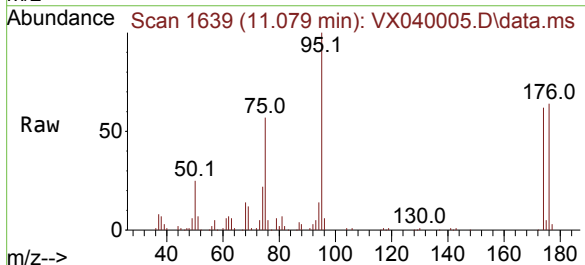
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1316

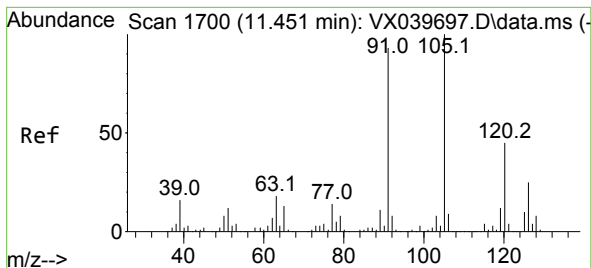
Tgt Ion:152 Resp: 33739
 Ion Ratio Lower Upper
 152 100
 115 66.2 43.3 129.9
 150 161.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.945 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX040005.D
 Acq: 29 Jan 2024 18:38

Tgt Ion: 75 Resp: 21820
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.249 ug/l

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040005.D

Acq: 29 Jan 2024 18:38

Instrument :

MSVOA_X

ClientSampleId :

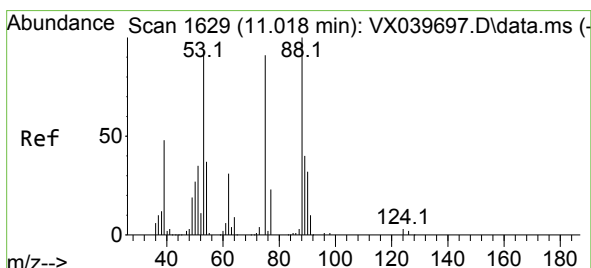
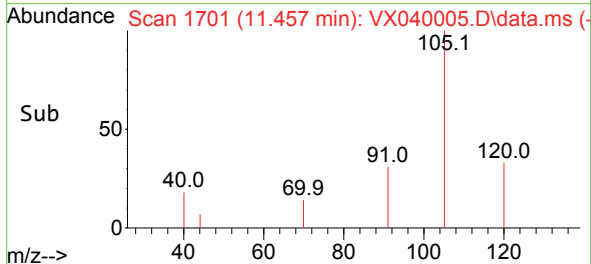
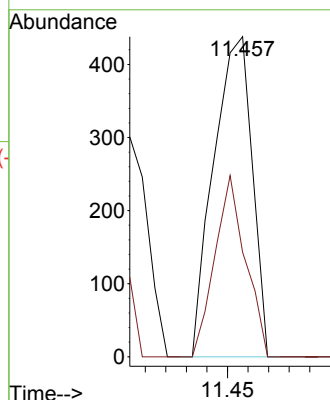
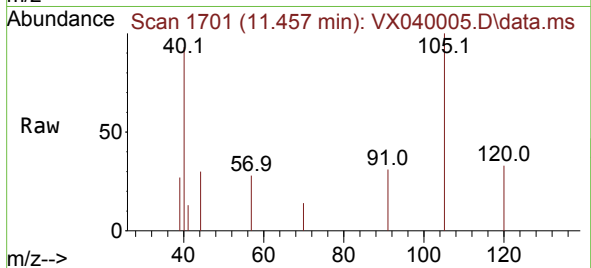
AUD-1316

Tgt Ion:105 Resp: 569

Ion Ratio Lower Upper

105 100

120 45.2 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 71.363 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040005.D

Acq: 29 Jan 2024 18:38

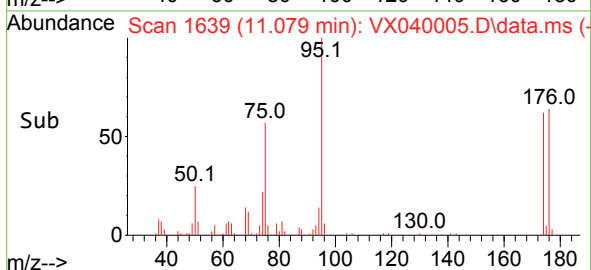
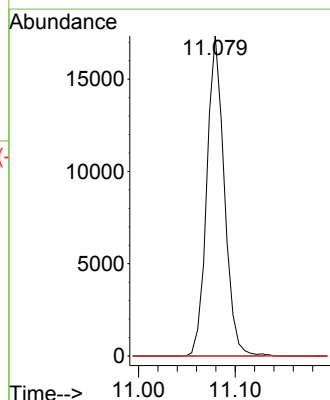
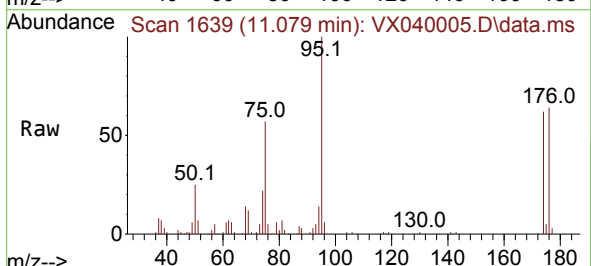
Tgt Ion: 75 Resp: 21820

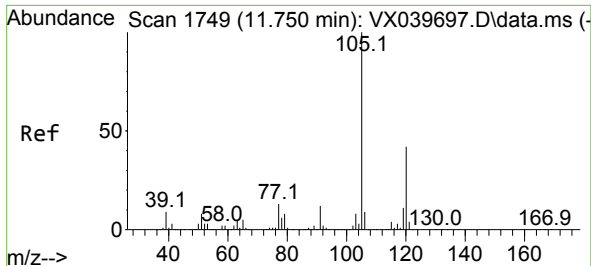
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

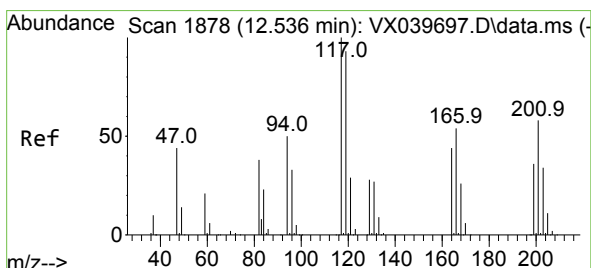
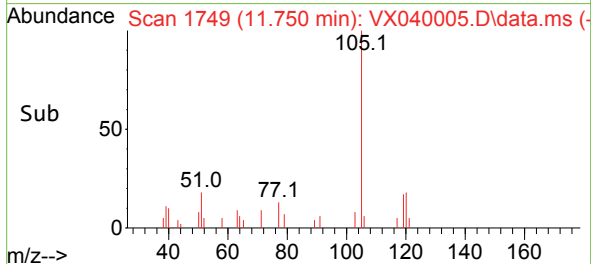
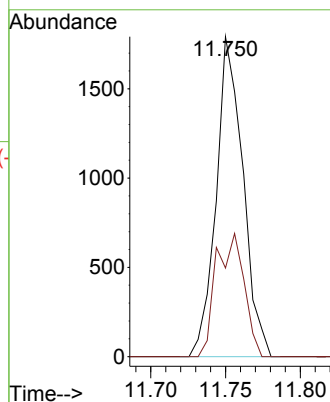
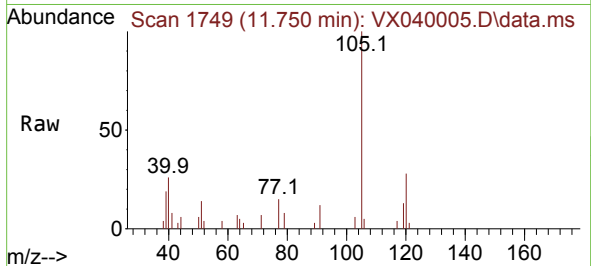




#84
1,2,4-Trimethylbenzene
Concen: 0.978 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

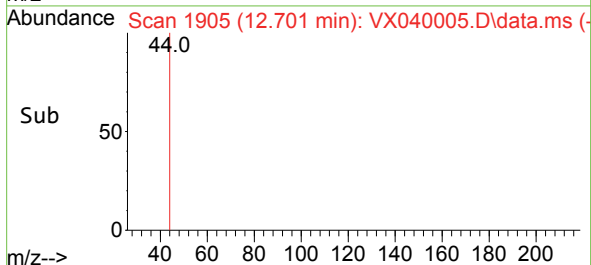
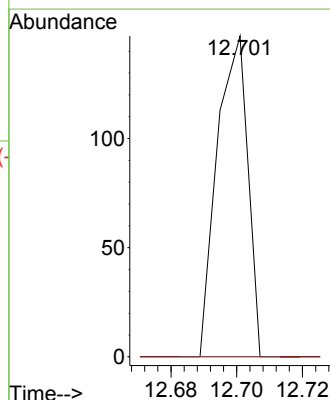
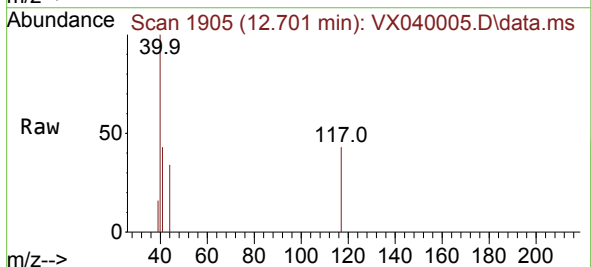
Instrument :
MSVOA_X
ClientSampleId :
AUD-1316

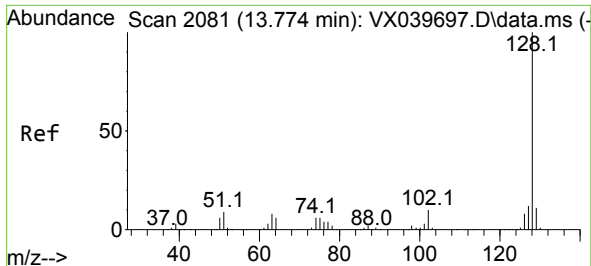
Tgt Ion:105 Resp: 2227
Ion Ratio Lower Upper
105 100
120 40.3 21.2 63.6



#90
Hexachloroethane
Concen: 0.249 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

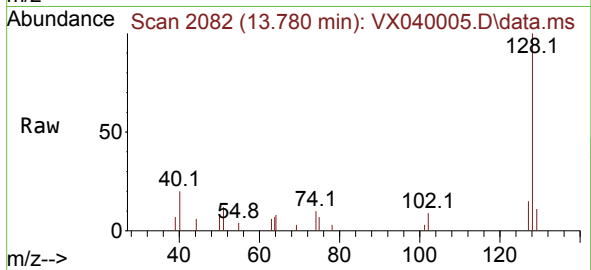
Tgt Ion:117 Resp: 95
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 1.064 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX040005.D
Acq: 29 Jan 2024 18:38

Instrument :
MSVOA_X
ClientSampleId :
AUD-1316



Tgt Ion:128 Resp: 2714
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 12.8 8.8 13.2

