

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061323\
 Data File : VX036149.D
 Acq On : 13 Jun 2023 17:13
 Operator : JC/MD
 Sample : 03170-01 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1917

Quant Time: Jun 14 00:57:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

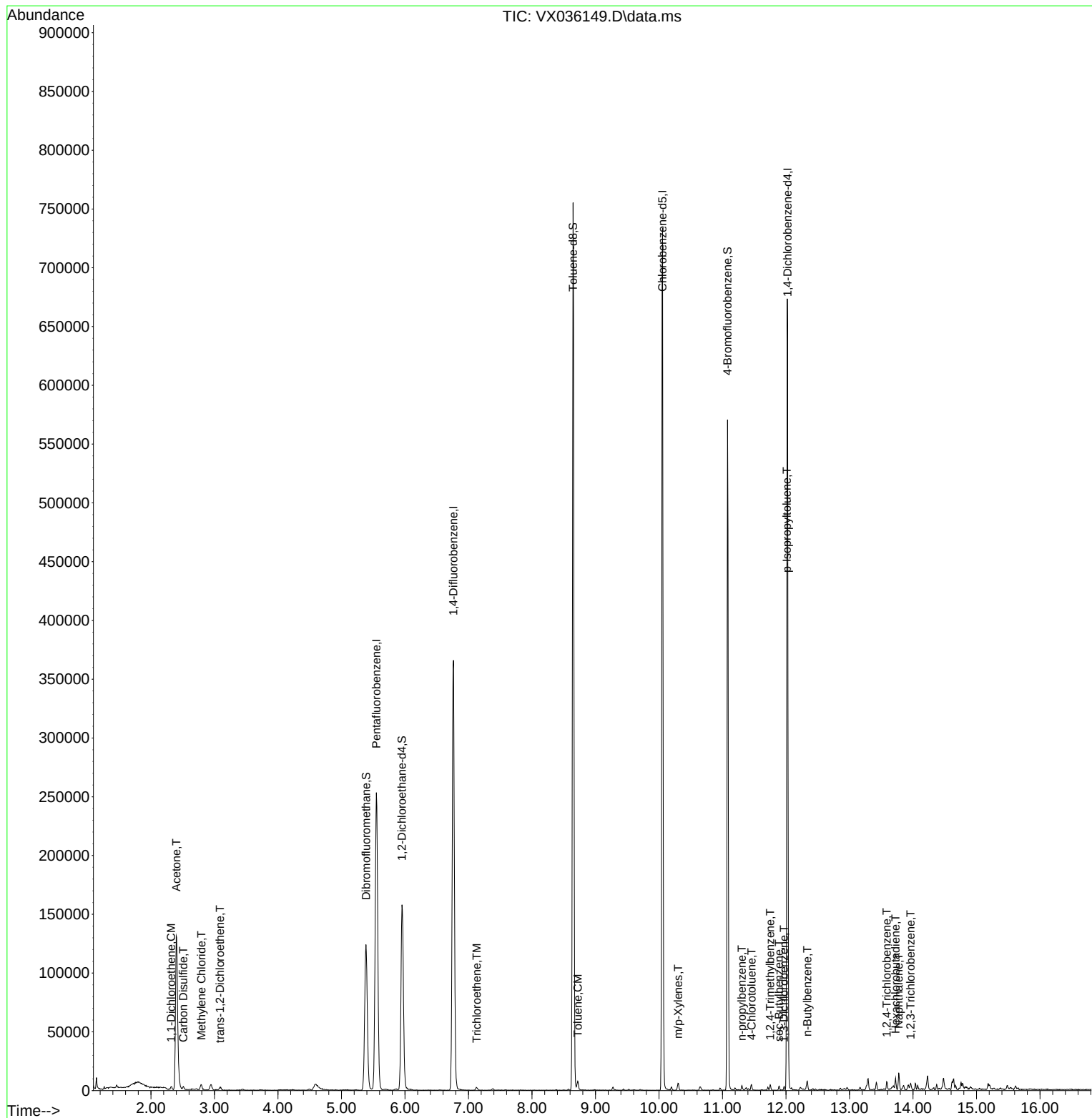
Internal Standards						
1) Pentafluorobenzene	5.550	168	211897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	349432	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	162678	47.278	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.560%		
35) Dibromofluoromethane	5.385	113	108450	46.144	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.280%		
50) Toluene-d8	8.647	98	416167	49.339	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.680%		
62) 4-Bromofluorobenzene	11.079	95	152197	45.708	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.420%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	2.319	96	524	0.246	ug/l #	73
16) Acetone	2.398	43	204282	143.904	ug/l	97
17) Carbon Disulfide	2.508	76	2668	0.501	ug/l	99
20) Methylene Chloride	2.794	84	2165	0.792	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	740	0.305	ug/l #	60
44) Trichloroethene	7.129	130	913	0.374	ug/l	97
52) Toluene	8.720	92	2580	0.436	ug/l	98
68) m/p-Xylenes	10.299	106	1270	0.303	ug/l	81
78) n-propylbenzene	11.305	91	2552	0.243	ug/l	90
82) 4-Chlorotoluene	11.457	91	1639	0.209	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	2135	0.266	ug/l	95
85) sec-Butylbenzene	11.890	105	1965	0.221	ug/l	91
86) p-Isopropyltoluene	12.012	119	1655	0.218	ug/l #	70
87) 1,3-Dichlorobenzene	11.969	146	967	0.230	ug/l	96
89) n-Butylbenzene	12.335	91	2590	0.404	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	1151	0.472	ug/l #	91
94) Hexachlorobutadiene	13.725	225	1096	1.182	ug/l	91
95) Naphthalene	13.774	128	8624	1.016	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1269	0.528	ug/l	83

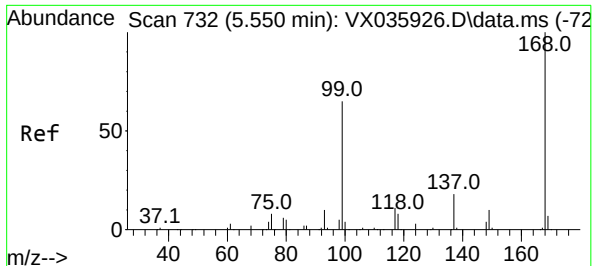
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
Quant Title : SW846 8260
QLast Update : Wed May 31 12:50:30 2023
Response via : Initial Calibration

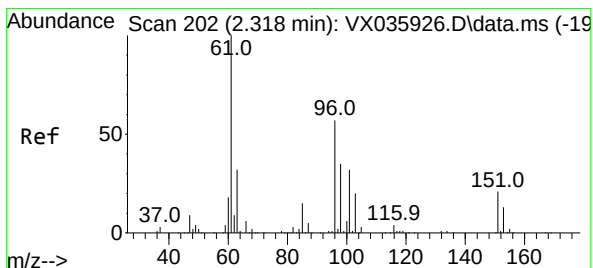
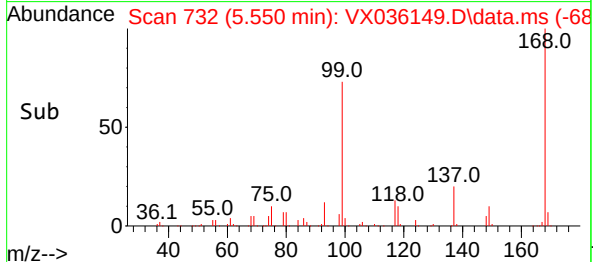
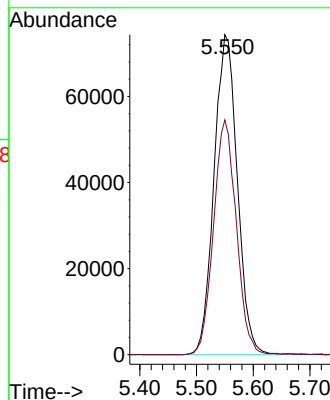
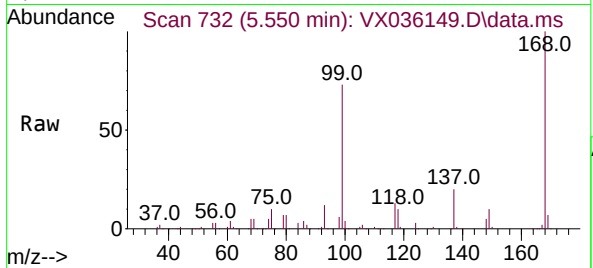




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.001 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

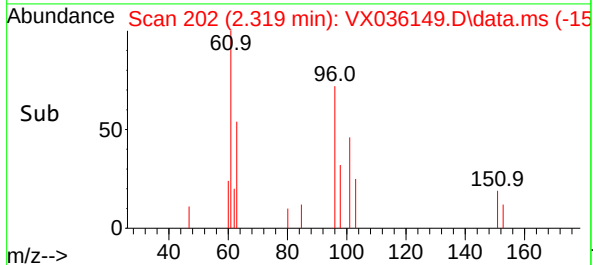
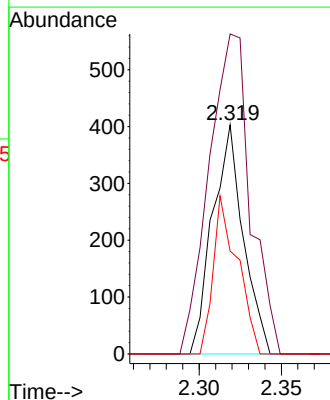
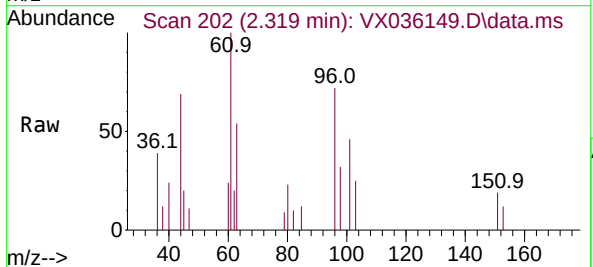
Instrument :
MSVOA_X
ClientSampleId :
AUD-1917

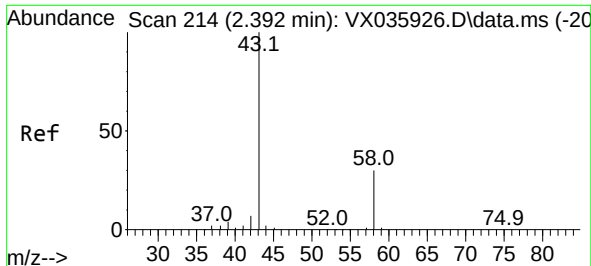
Tgt Ion:168 Resp: 211897
Ion Ratio Lower Upper
168 100
99 73.3 57.0 85.6



#12
1,1-Dichloroethene
Concen: 0.246 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

Tgt Ion: 96 Resp: 524
Ion Ratio Lower Upper
96 100
61 139.7 145.2 217.8#
98 44.9 49.3 73.9#

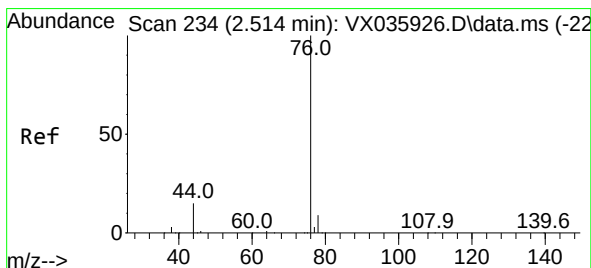
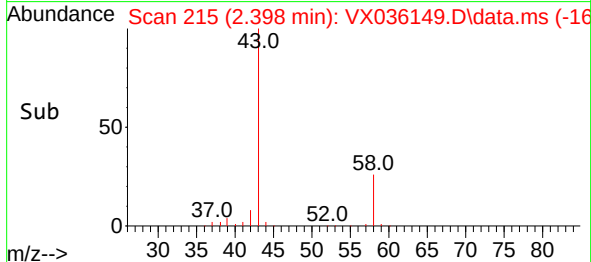
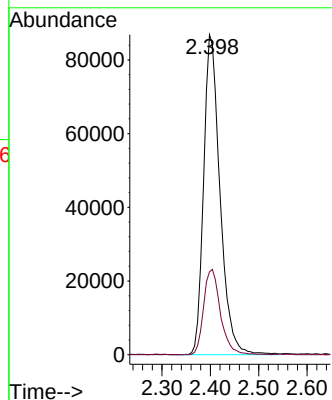
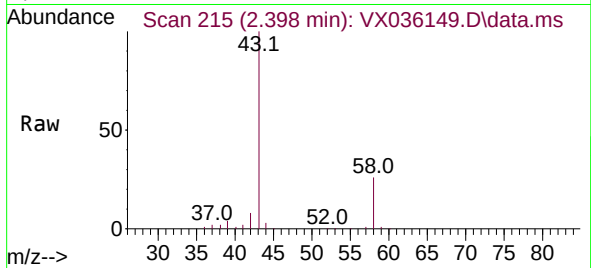




#16
Acetone
Concen: 143.904 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

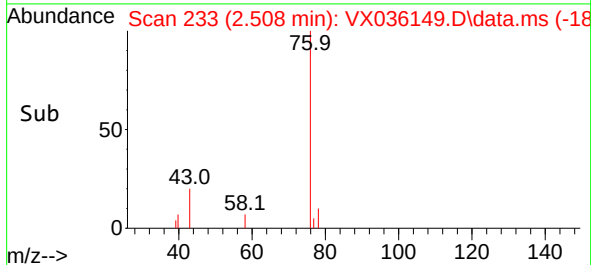
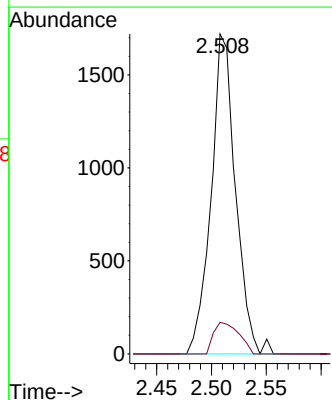
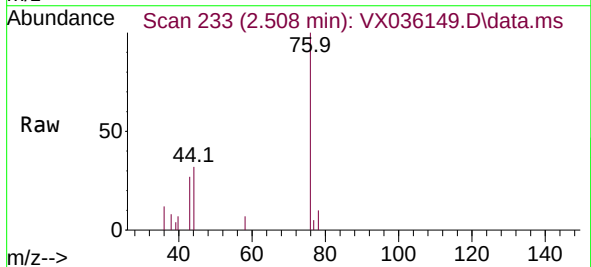
Instrument :
MSVOA_X
ClientSampleId :
AUD-1917

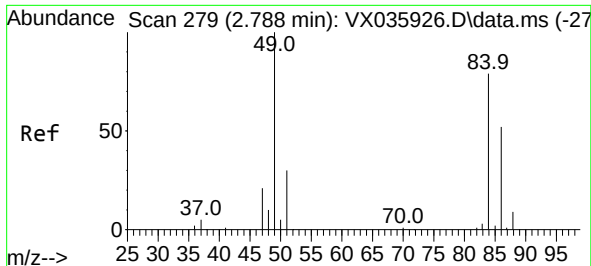
Tgt Ion: 43 Resp: 204282
Ion Ratio Lower Upper
43 100
58 25.9 22.2 33.2



#17
Carbon Disulfide
Concen: 0.501 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.005 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

Tgt Ion: 76 Resp: 2668
Ion Ratio Lower Upper
76 100
78 9.9 7.6 11.4

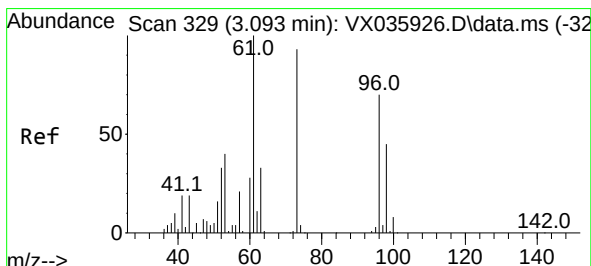
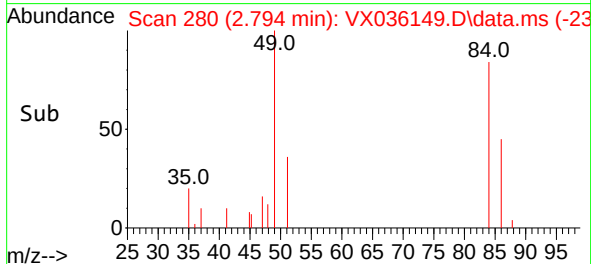
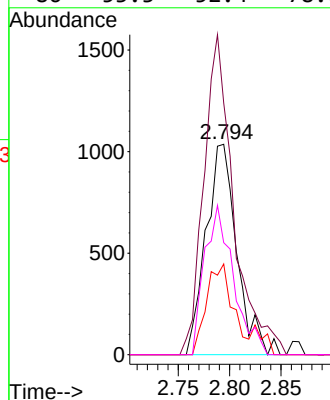
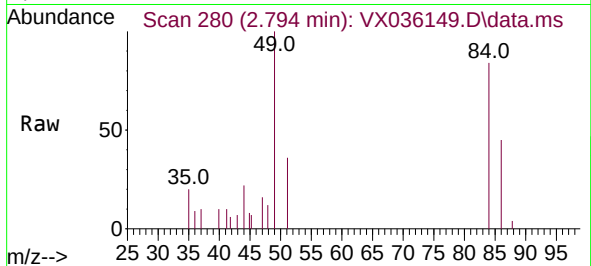




#20
Methylene Chloride
Concen: 0.792 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

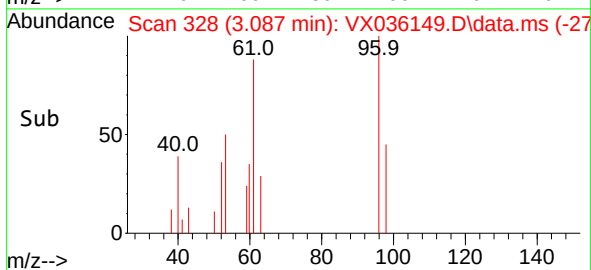
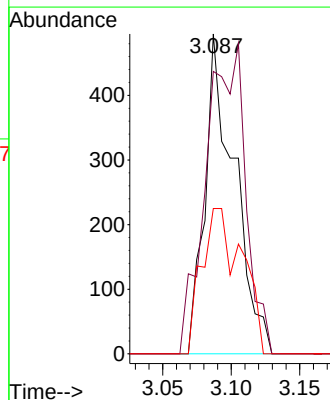
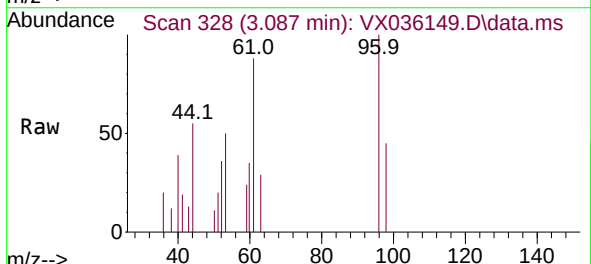
Instrument :
MSVOA_X
ClientSampleId :
AUD-1917

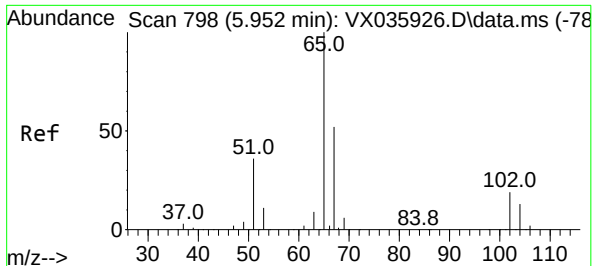
Tgt Ion:	84	Resp:	2165
Ion	Ratio	Lower	Upper
84	100		
49	119.7	104.6	156.8
51	43.1	32.2	48.4
86	53.3	52.4	78.6



#21
trans-1,2-Dichloroethene
Concen: 0.305 ug/l
RT: 3.087 min Scan# 328
Delta R.T. 0.001 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

Tgt Ion:	96	Resp:	740
Ion	Ratio	Lower	Upper
96	100		
61	88.3	118.2	177.4#
98	45.5	50.6	75.8#





#33

1,2-Dichloroethane-d4

Concen: 47.278 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

Instrument :

MSVOA_X

ClientSampleId :

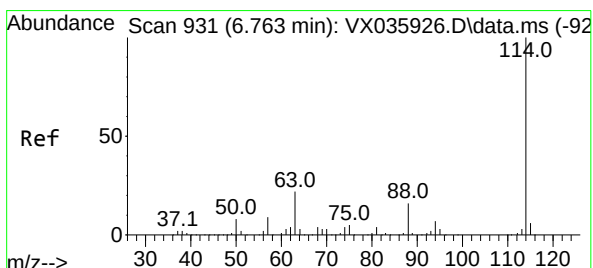
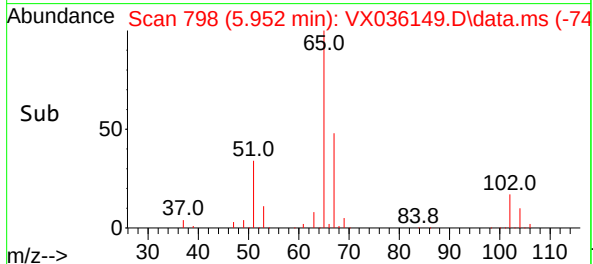
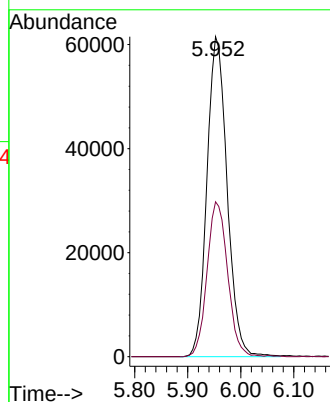
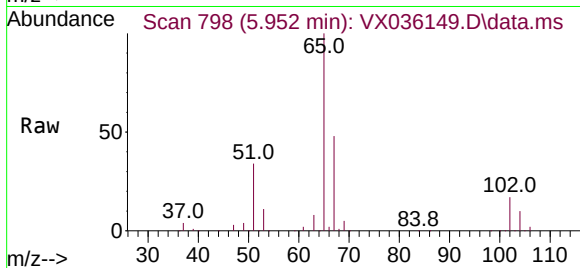
AUD-1917

Tgt Ion: 65 Resp: 162678

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

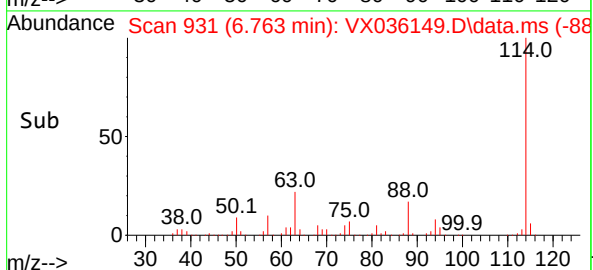
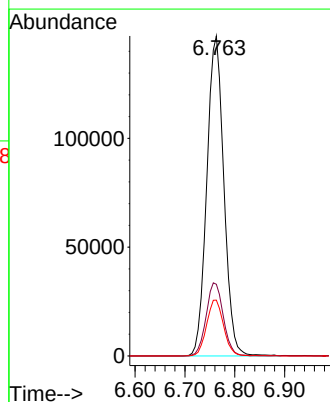
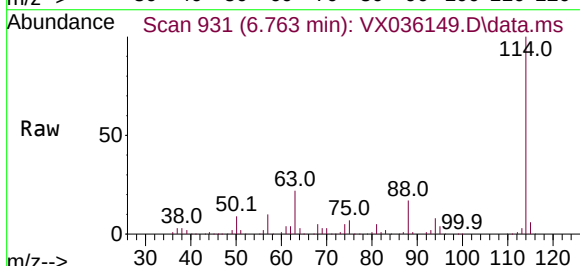
Tgt Ion: 114 Resp: 349432

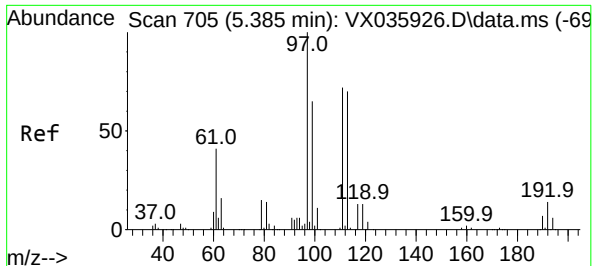
Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.0

88 17.5 0.0 35.2





#35

Dibromofluoromethane

Concen: 46.144 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

Instrument :

MSVOA_X

ClientSampleId :

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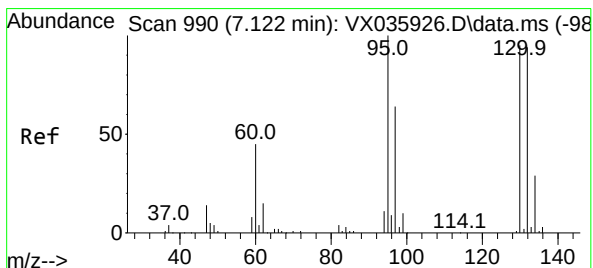
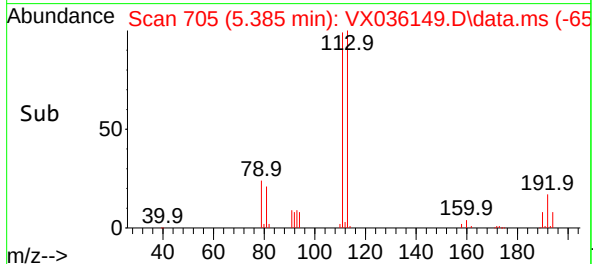
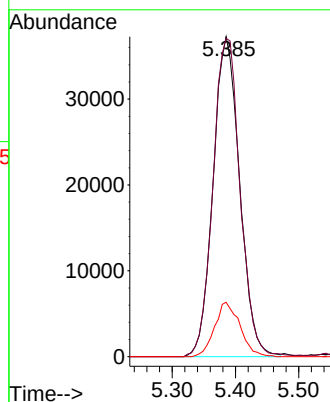
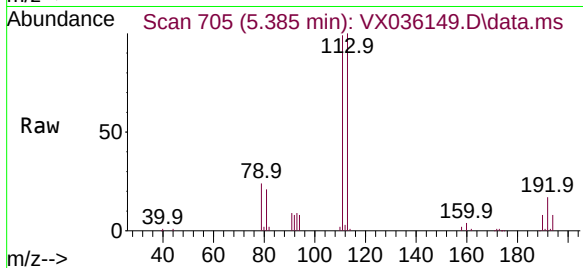
Tgt Ion:113 Resp: 108450

Ion Ratio Lower Upper

113 100

111 101.8 81.7 122.5

192 16.3 13.5 20.3



#44

Trichloroethene

Concen: 0.374 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.007 min

Lab File: VX036149.D

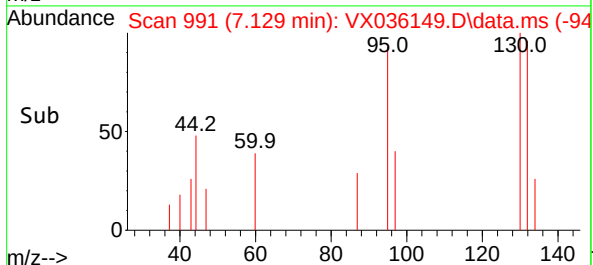
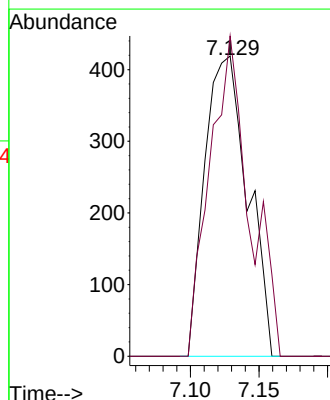
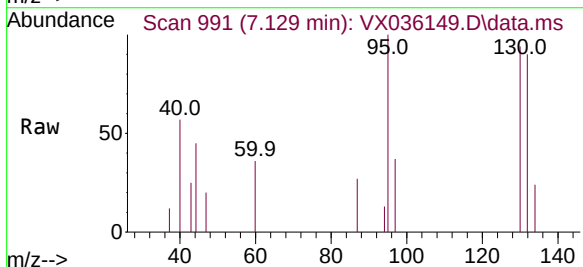
Acq: 13 Jun 2023 17:13

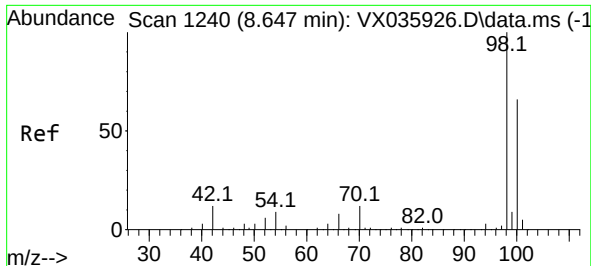
Tgt Ion:130 Resp: 913

Ion Ratio Lower Upper

130 100

95 106.7 0.0 207.6

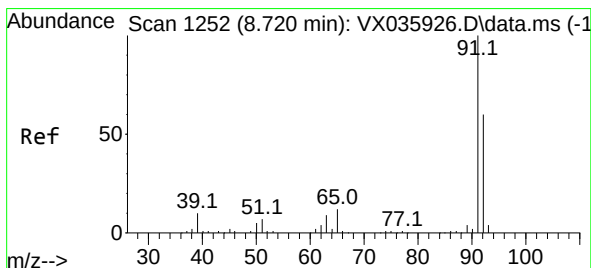
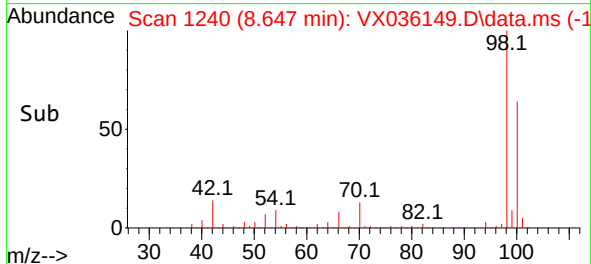
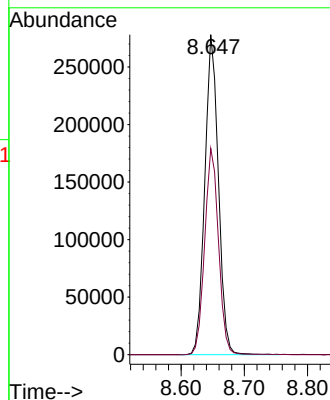
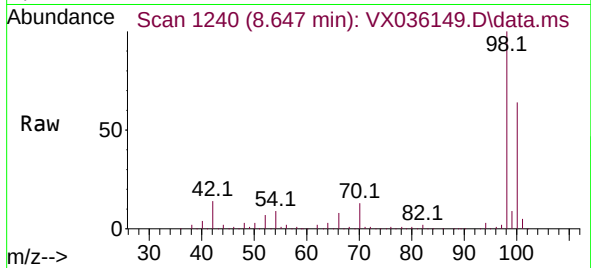




#50
Toluene-d8
Concen: 49.339 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

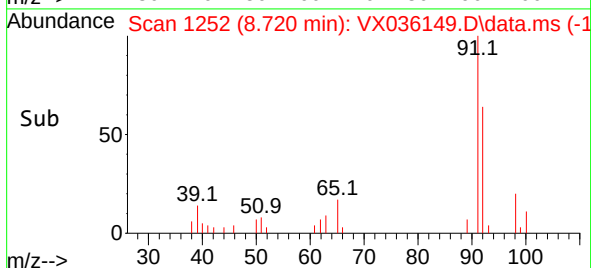
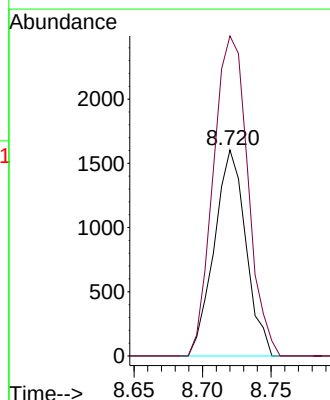
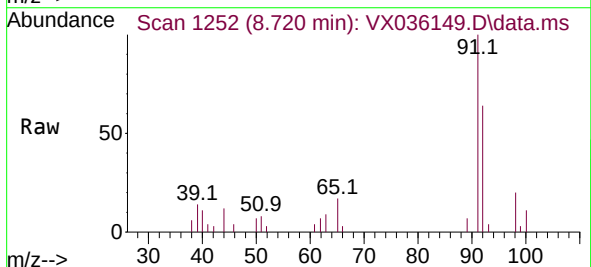
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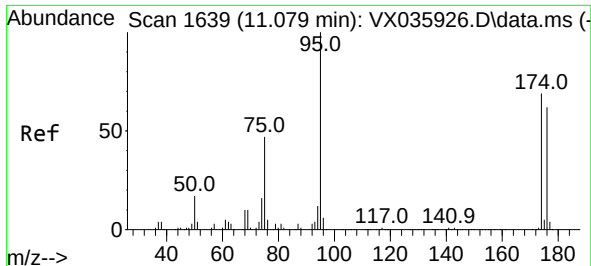
Tgt Ion: 98 Resp: 416167
Ion Ratio Lower Upper
98 100
100 65.6 53.4 80.0



#52
Toluene
Concen: 0.436 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

Tgt Ion: 92 Resp: 2580
Ion Ratio Lower Upper
92 100
91 169.7 133.5 200.3





#62

4-Bromofluorobenzene

Concen: 45.708 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

Instrument :

MSVOA_X

ClientSampleId :

AUD-1917

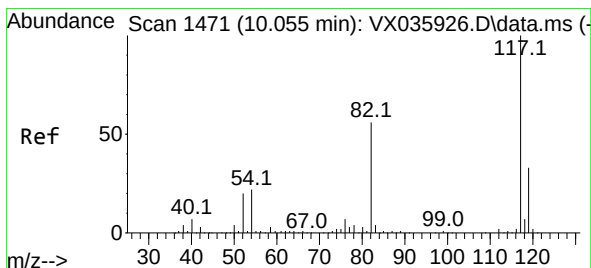
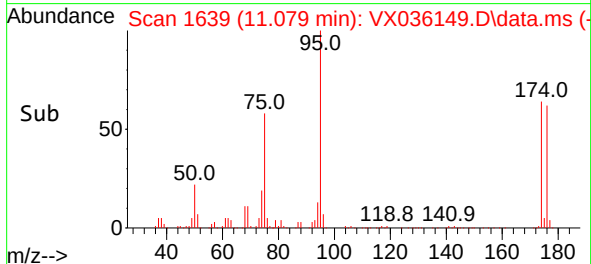
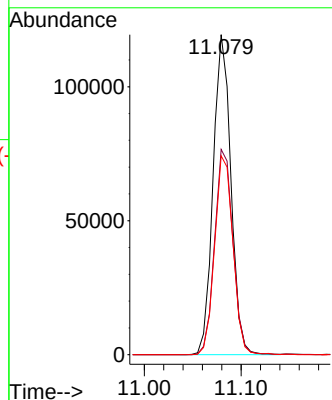
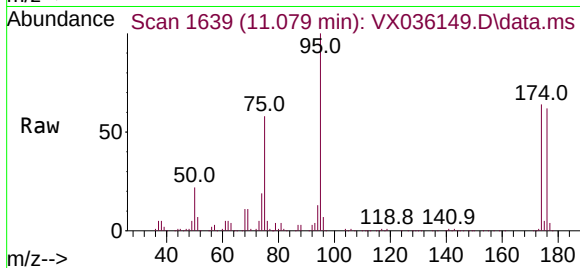
Tgt Ion: 95 Resp: 152197

Ion Ratio Lower Upper

95 100

174 66.4 0.0 132.6

176 64.0 0.0 128.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

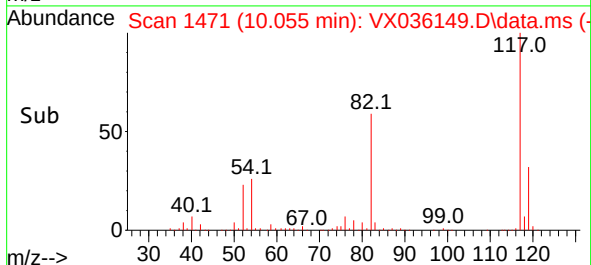
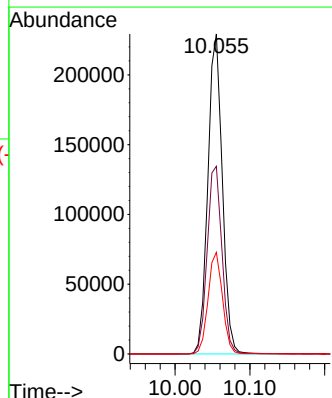
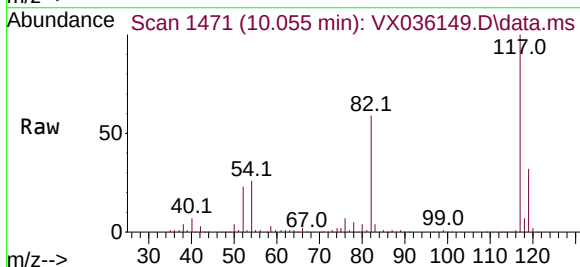
Tgt Ion: 117 Resp: 307786

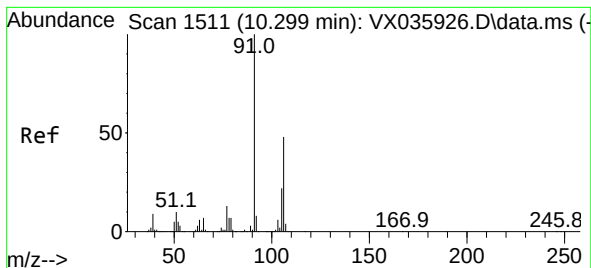
Ion Ratio Lower Upper

117 100

82 58.7 46.6 69.8

119 31.8 25.4 38.2





#68

m/p-Xylenes

Concen: 0.303 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

Instrument :

MSVOA_X

ClientSampleId :

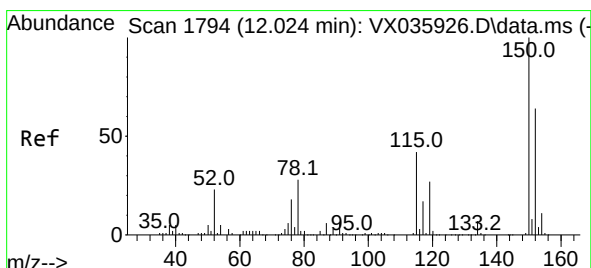
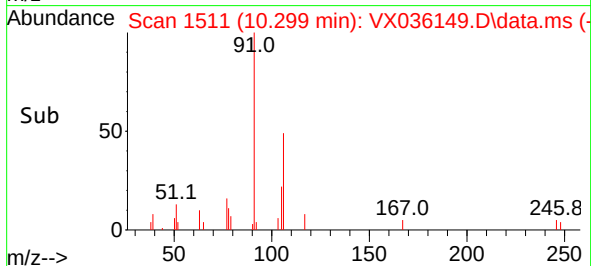
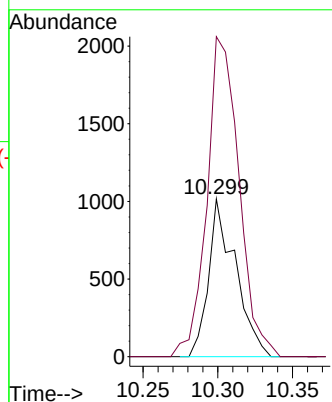
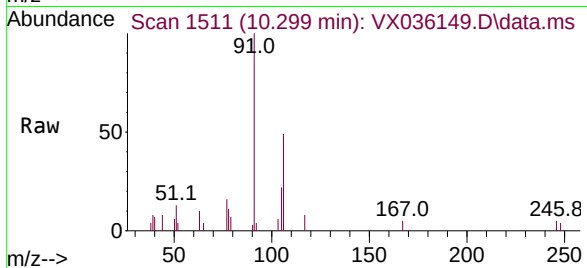
AUD-1917

Tgt Ion:106 Resp: 1270

Ion Ratio Lower Upper

106 100

91 242.0 169.8 254.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

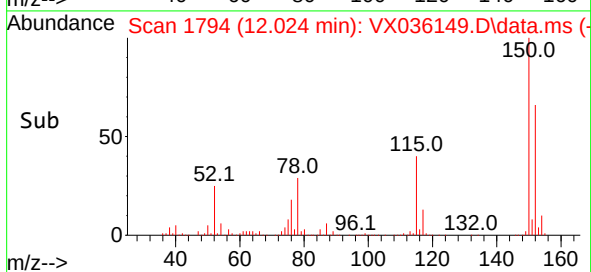
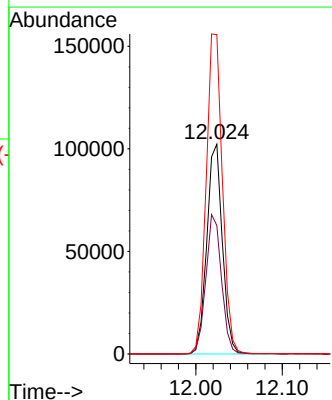
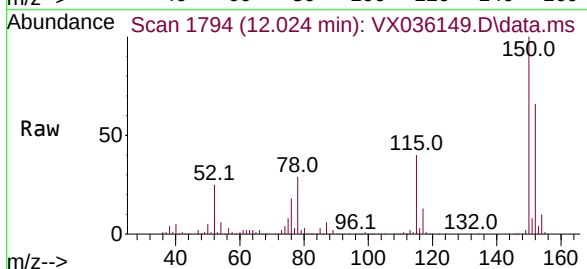
Tgt Ion:152 Resp: 127851

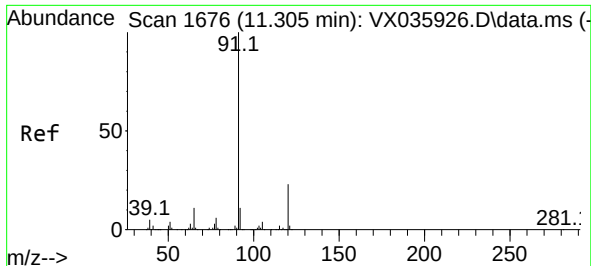
Ion Ratio Lower Upper

152 100

115 66.6 45.5 136.5

150 158.8 0.0 345.2

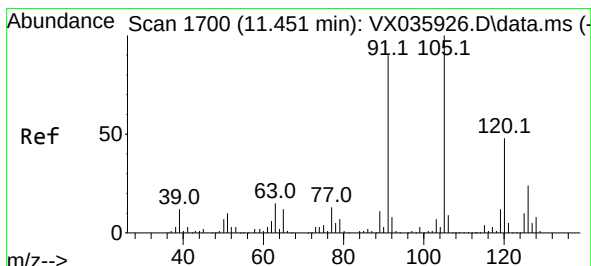
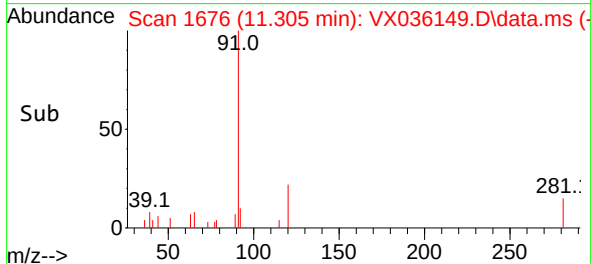
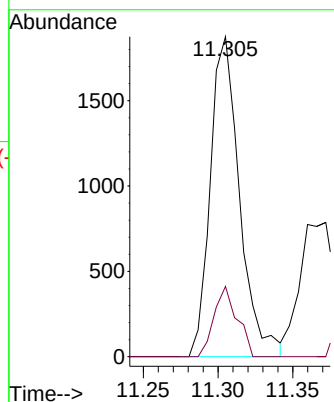
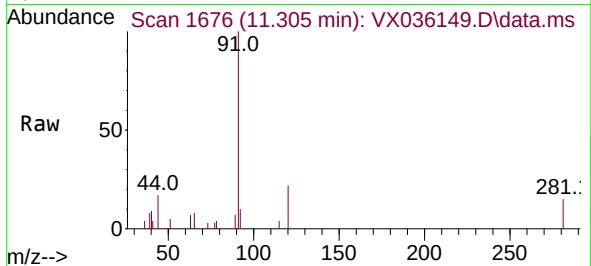




#78
n-propylbenzene
Concen: 0.243 ug/l
RT: 11.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

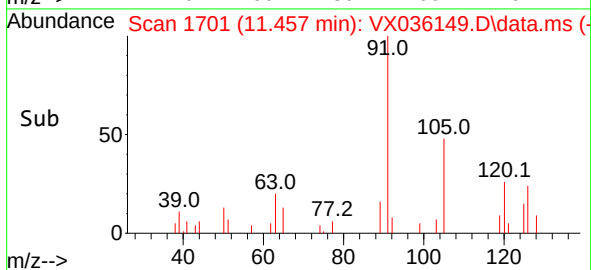
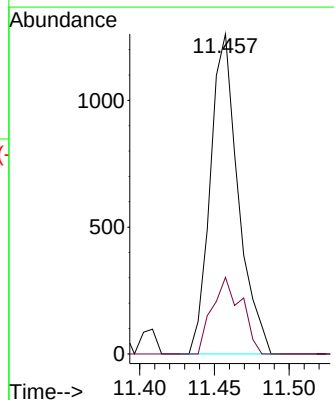
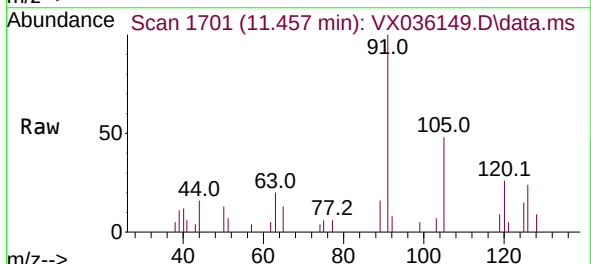
Instrument :
MSVOA_X
ClientSampleId :
AUD-1917

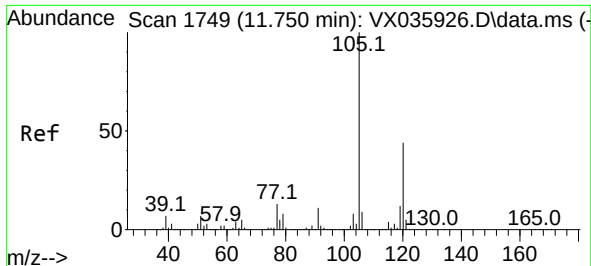
Tgt Ion: 91 Resp: 2552
Ion Ratio Lower Upper
91 100
120 17.3 10.9 32.9



#82
4-Chlorotoluene
Concen: 0.209 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

Tgt Ion: 91 Resp: 1639
Ion Ratio Lower Upper
91 100
126 25.2 13.7 41.0

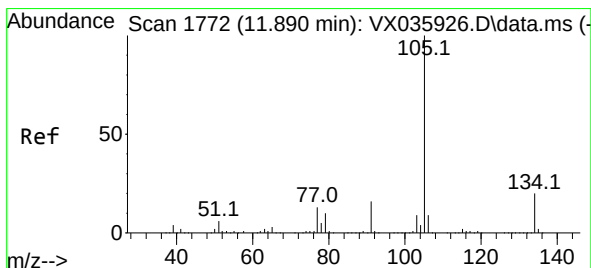
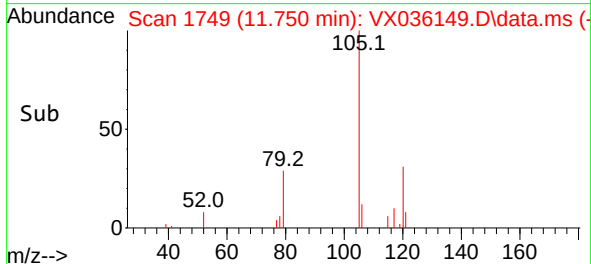
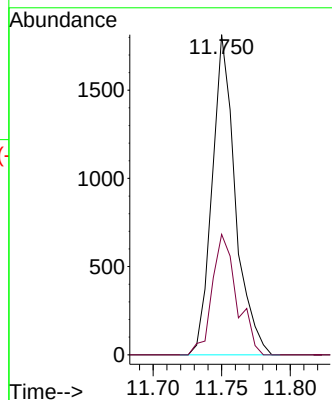
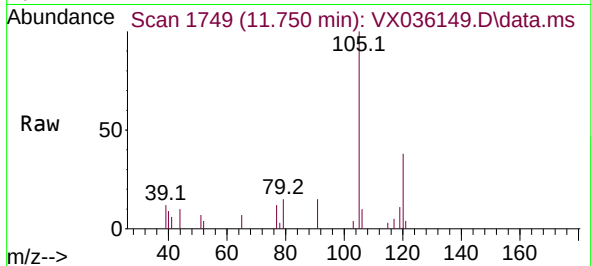




#84
1,2,4-Trimethylbenzene
Concen: 0.266 ug/l
RT: 11.750 min Scan# 11749
Delta R.T. -0.000 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

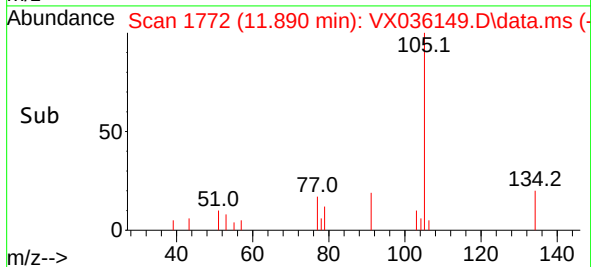
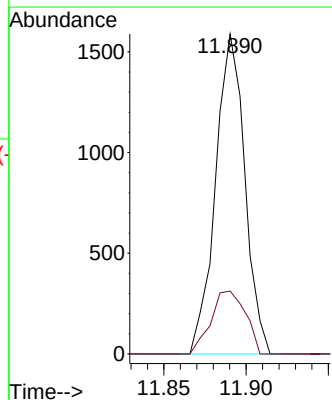
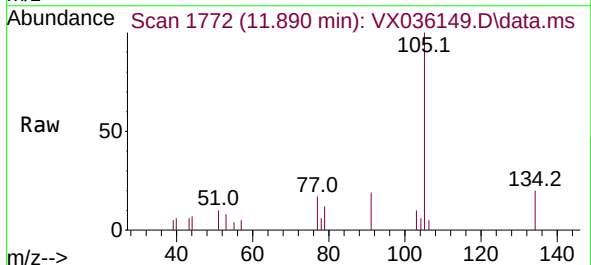
Instrument :
MSVOA_X
ClientSampleId :
AUD-1917

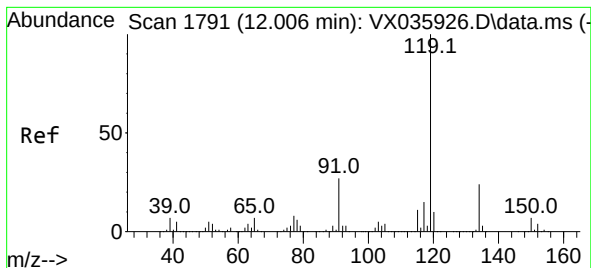
Tgt Ion:105 Resp: 2135
Ion Ratio Lower Upper
105 100
120 40.2 21.6 64.8



#85
sec-Butylbenzene
Concen: 0.221 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX036149.D
Acq: 13 Jun 2023 17:13

Tgt Ion:105 Resp: 1965
Ion Ratio Lower Upper
105 100
134 23.2 9.7 28.9





#86

p-Isopropyltoluene

Concen: 0.218 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

Instrument :

MSVOA_X

ClientSampleId :

AUD-1917

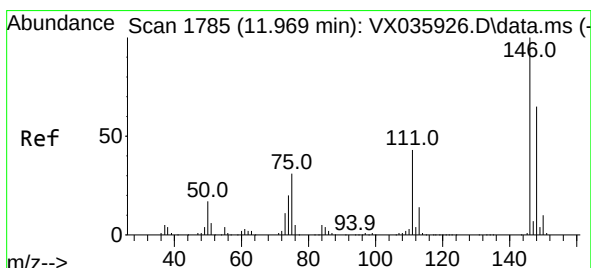
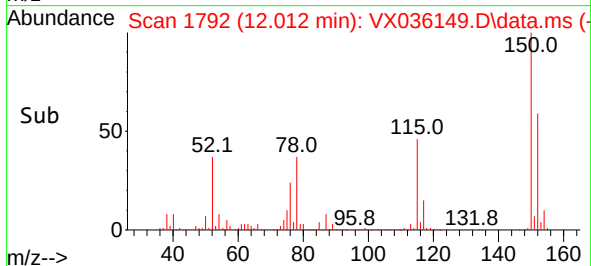
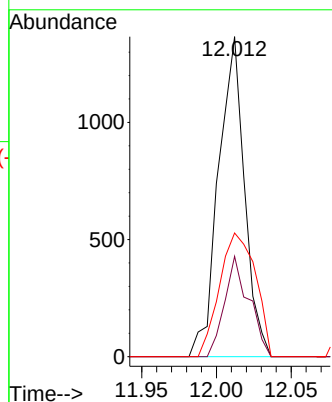
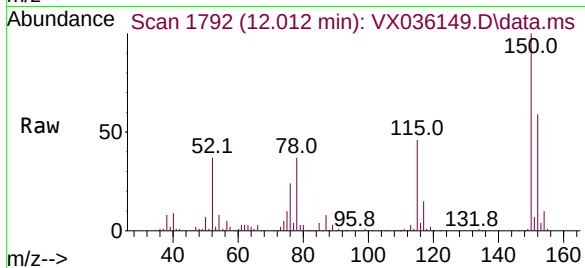
Tgt Ion:119 Resp: 1655

Ion Ratio Lower Upper

119 100

134 29.4 12.7 38.1

91 53.3 13.5 40.5#



#87

1,3-Dichlorobenzene

Concen: 0.230 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

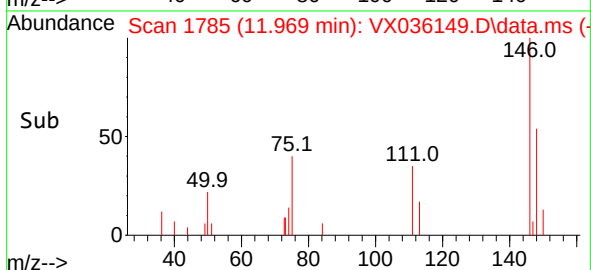
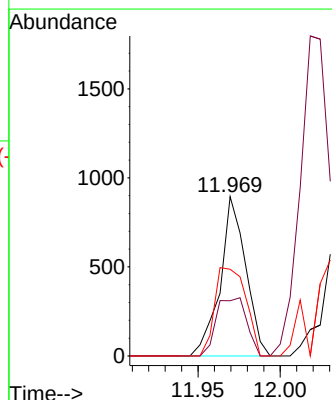
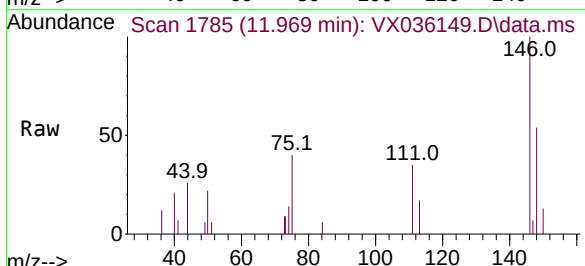
Tgt Ion:146 Resp: 967

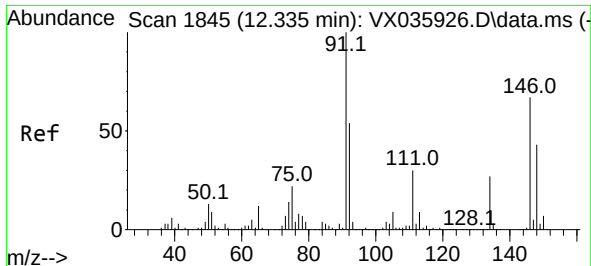
Ion Ratio Lower Upper

146 100

111 43.1 22.6 67.7

148 67.5 31.9 95.7





#89

n-Butylbenzene

Concen: 0.404 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

Instrument :

MSVOA_X

ClientSampleId :

AUD-1917

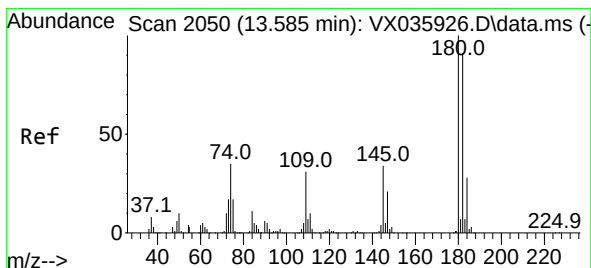
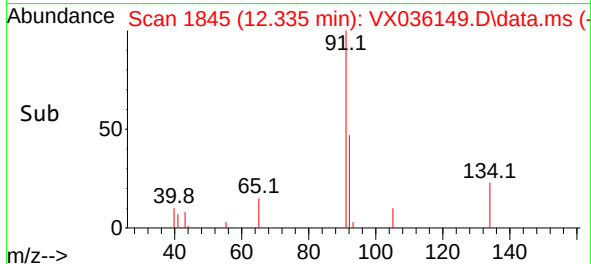
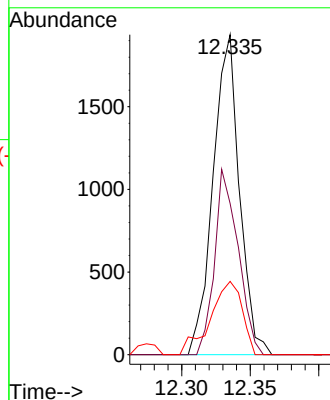
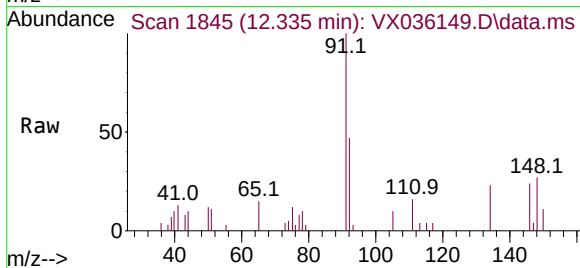
Tgt Ion: 91 Resp: 2590

Ion Ratio Lower Upper

91 100

92 51.7 27.3 81.8

134 27.5 12.4 37.0



#93

1,2,4-Trichlorobenzene

Concen: 0.472 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

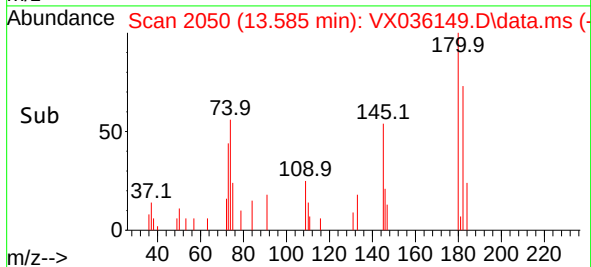
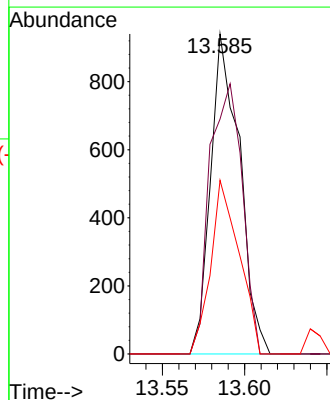
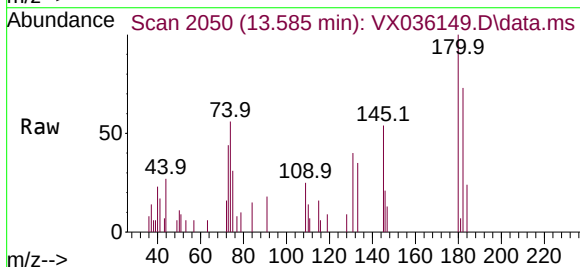
Tgt Ion: 180 Resp: 1151

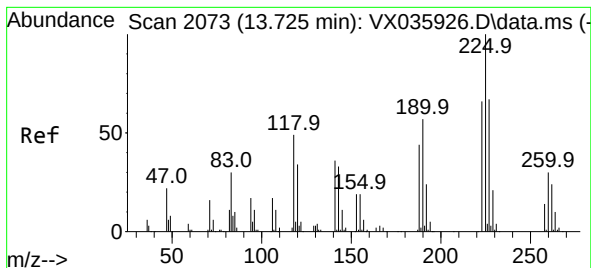
Ion Ratio Lower Upper

180 100

182 94.8 47.3 141.8

145 53.5 17.3 51.9#





#94

Hexachlorobutadiene

Concen: 1.182 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

Instrument :

MSVOA_X

ClientSampleId :

AUD-1917

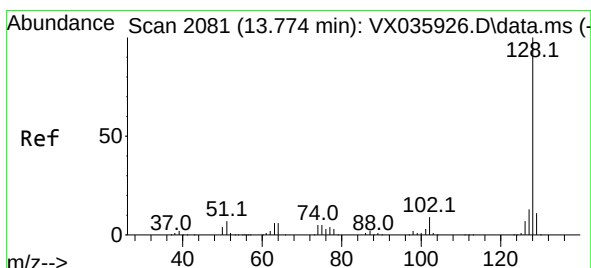
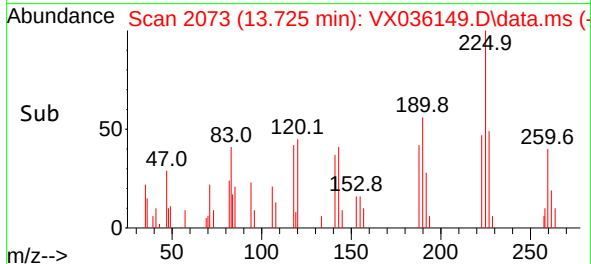
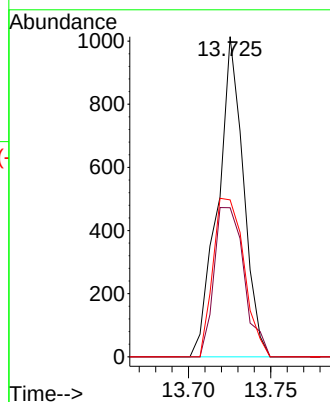
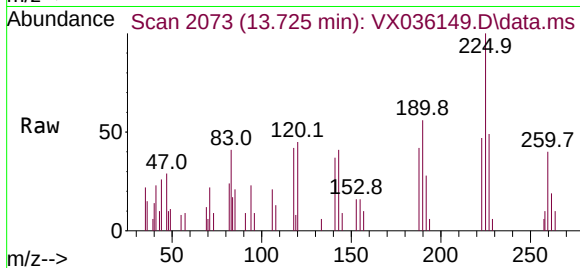
Tgt Ion:225 Resp: 1096

Ion Ratio Lower Upper

225 100

223 54.7 32.6 97.7

227 59.9 31.9 95.7



#95

Naphthalene

Concen: 1.016 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX036149.D

Acq: 13 Jun 2023 17:13

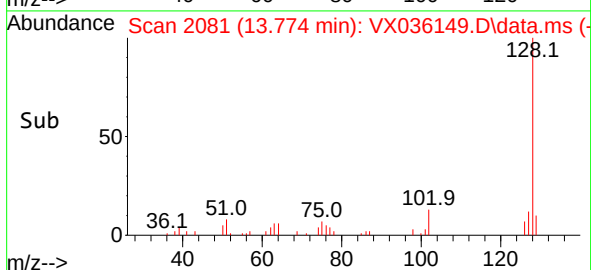
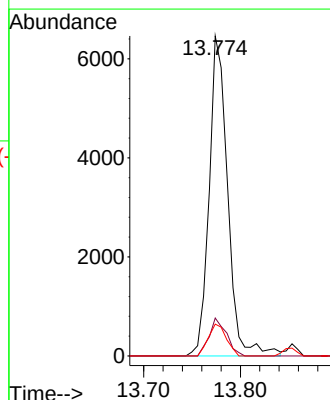
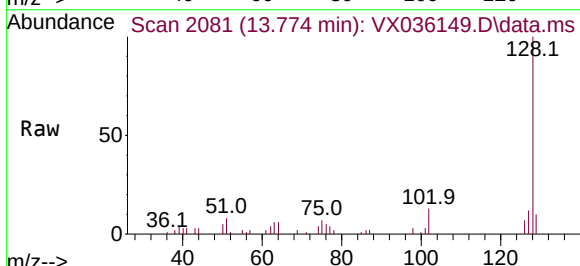
Tgt Ion:128 Resp: 8624

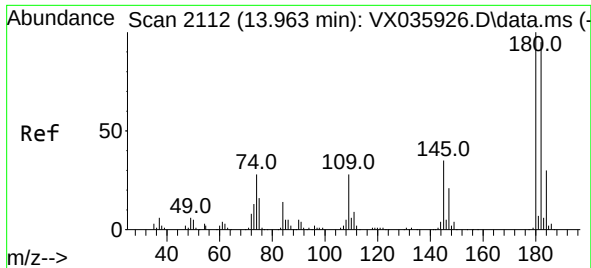
Ion Ratio Lower Upper

128 100

127 11.1 10.3 15.5

129 9.7 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.528 ug/l

RT: 13.963 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX036149.D

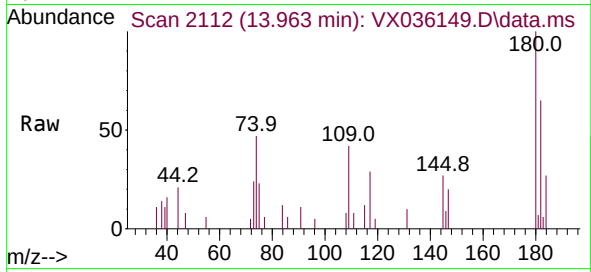
Acq: 13 Jun 2023 17:13

Instrument :

MSVOA_X

ClientSampleId :

AUD-1917



Tgt Ion:180 Resp: 1269

Ion Ratio Lower Upper

180 100

182 79.0 46.9 140.7

145 49.4 18.1 54.3

