

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028690.D
 Acq On : 13 May 2022 20:00
 Operator : JC/MD
 Sample : N2830-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1594

Quant Time: May 16 02:25:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

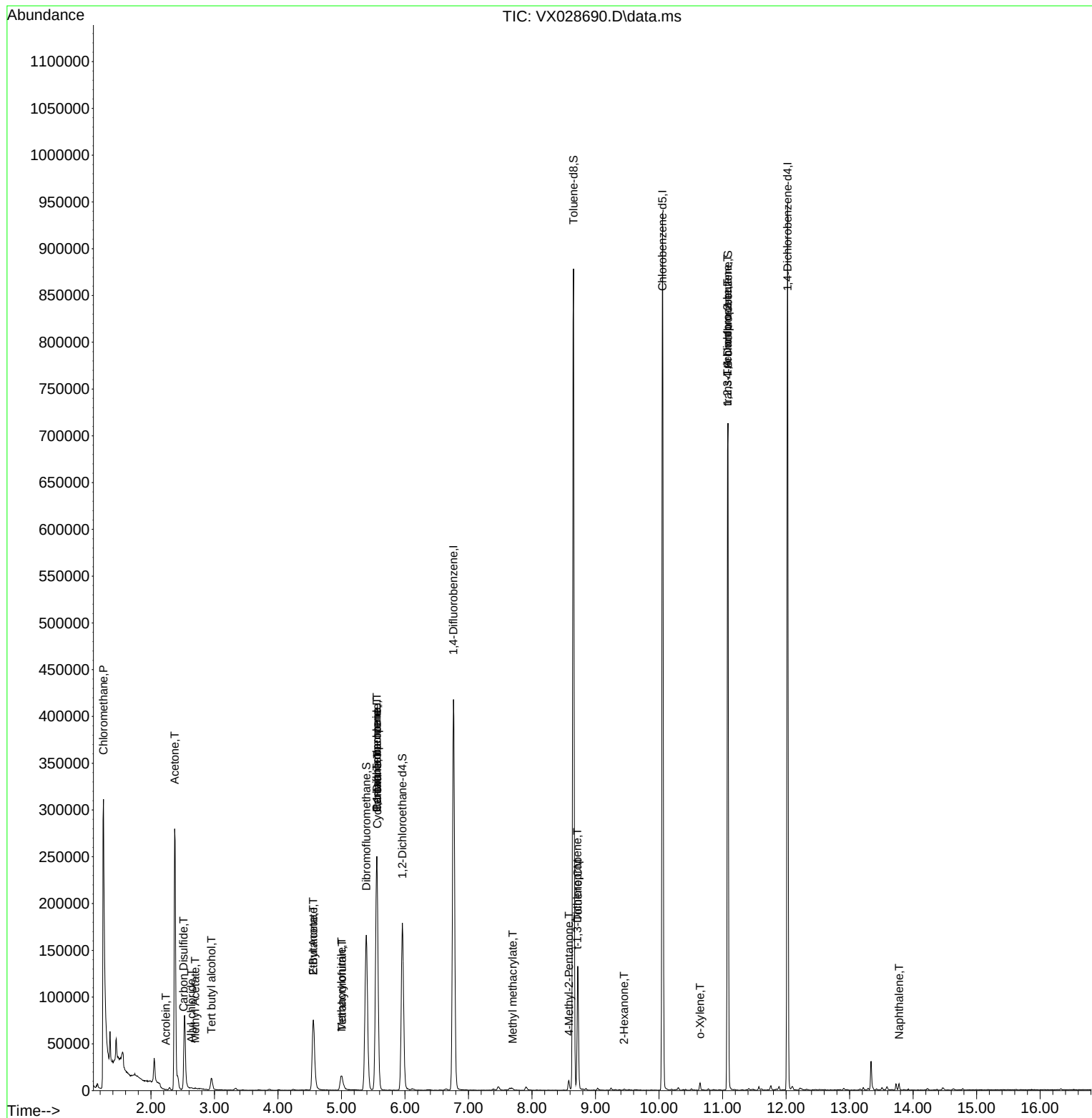
Internal Standards						
1) Pentafluorobenzene	5.556	168	224025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	421492	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	402478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	180264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	166026	54.065	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.120%			
35) Dibromofluoromethane	5.391	113	141189	51.127	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.260%			
50) Toluene-d8	8.653	98	508326	48.823	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.085	95	185751	47.766	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.540%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.252	50	10292	3.726	ug/l #	42
5) Bromomethane	1.612	94	402	Below Cal	#	59
6) Chloroethane	1.910	64	641	Below Cal	#	78
11) Tert butyl alcohol	2.953	59	12675	11.848	ug/l	99
13) Acrolein	2.233	56	241	0.478	ug/l #	61
14) Allyl chloride	2.636	41	753	0.202	ug/l #	25
16) Acetone	2.374	43	293114	222.403	ug/l	91
17) Carbon Disulfide	2.514	76	9194	1.530	ug/l	99
18) Methyl Acetate	2.697	43	745	0.226	ug/l #	63
25) 2-Butanone	4.556	43	131025	63.336	ug/l	94
29) Tetrahydrofuran	5.007	42	767	0.570	ug/l #	1
31) Cyclohexane	5.562	56	5498	1.290	ug/l #	32
36) 1,1-Dichloropropene	5.556	75	18728	4.515	ug/l #	50
37) Ethyl Acetate	4.556	43	131025	30.244	ug/l #	65
38) Carbon Tetrachloride	5.556	117	23865	5.717	ug/l #	16
41) Methacrylonitrile	5.001	41	4236	1.824	ug/l #	38
48) Methyl methacrylate	7.696	41	1153	0.352	ug/l #	33
51) 4-Methyl-2-Pentanone	8.580	43	6306	1.413	ug/l	91
52) Toluene	8.720	92	47078	6.139	ug/l	98
53) t-1,3-Dichloropropene	8.714	75	581	1.759	ug/l #	1
59) 2-Hexanone	9.452	43	793	0.229	ug/l	80
69) o-Xylene	10.646	106	1658	0.283	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	100169	23.728	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	100169	69.176	ug/l #	15
95) Naphthalene	13.780	128	3349	0.261	ug/l	99

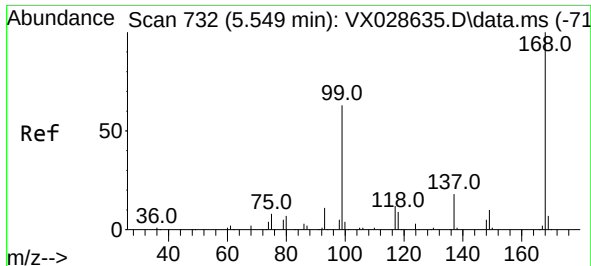
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

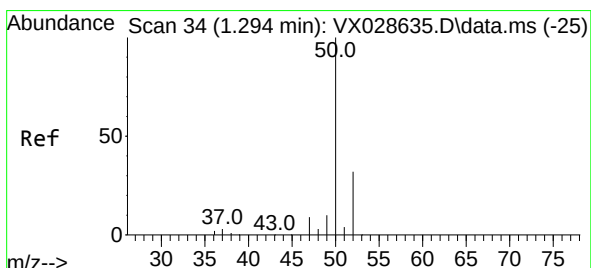
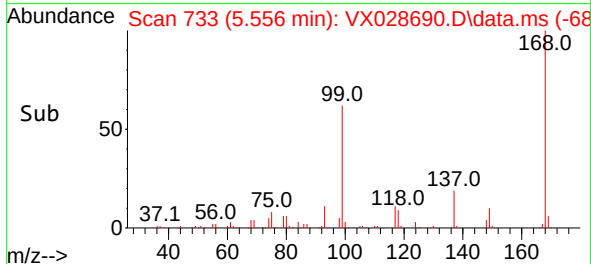
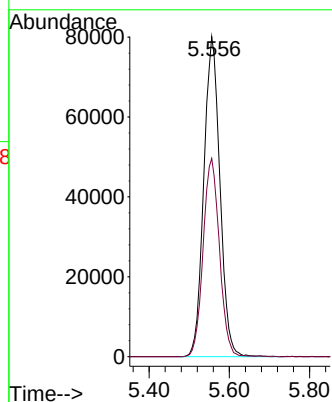
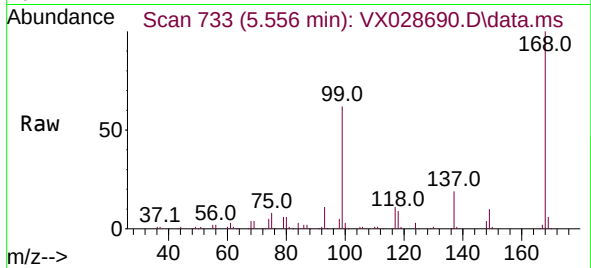




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

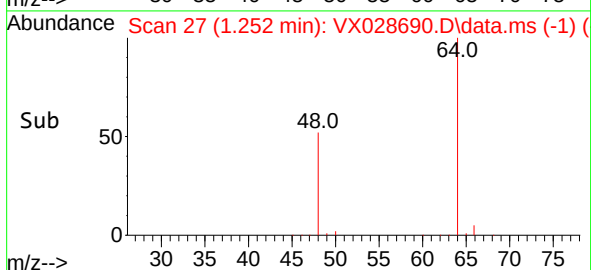
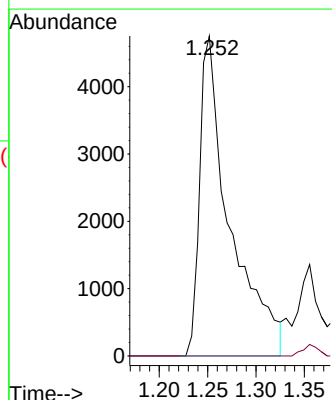
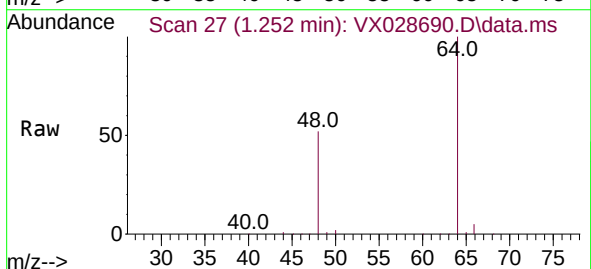
Instrument :
MSVOA_X
ClientSampleId :
AUD-1594

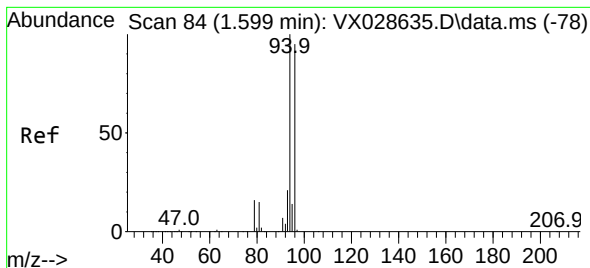
Tgt Ion:168 Resp: 224025
Ion Ratio Lower Upper
168 100
99 62.0 41.7 62.5



#3
Chloromethane
Concen: 3.726 ug/l
RT: 1.252 min Scan# 27
Delta R.T. -0.042 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Tgt Ion: 50 Resp: 10292
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#





#5

Bromomethane

Concen: Below Cal

RT: 1.612 min Scan# 80

Delta R.T. 0.013 min

Lab File: VX028690.D

Acq: 13 May 2022 20:00

Instrument :

MSVOA_X

ClientSampleId :

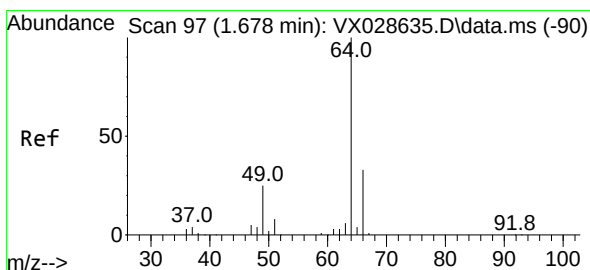
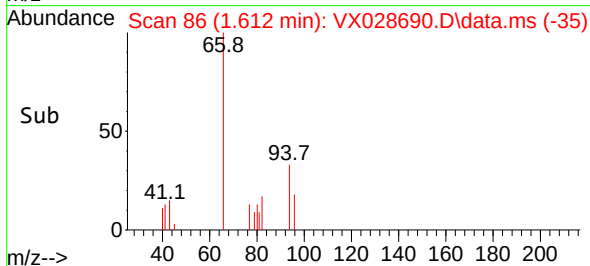
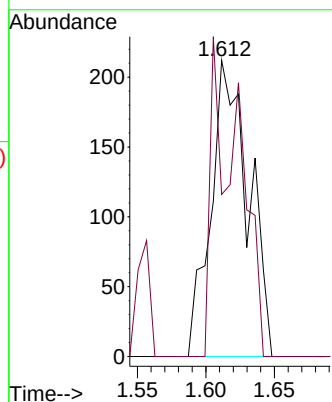
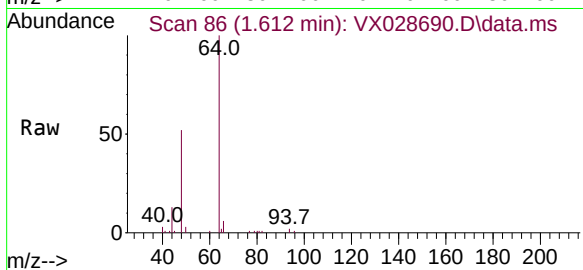
AUD-1594

Tgt Ion: 94 Resp: 402

Ion Ratio Lower Upper

94 100

96 54.7 75.3 112.9#



#6

Chloroethane

Concen: Below Cal

RT: 1.910 min Scan# 135

Delta R.T. 0.232 min

Lab File: VX028690.D

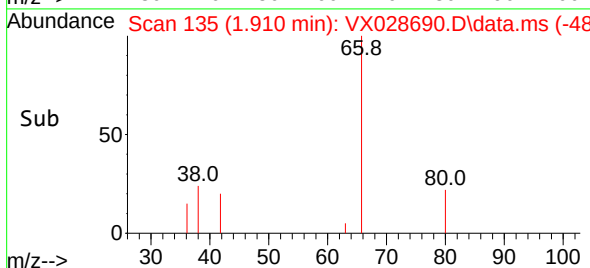
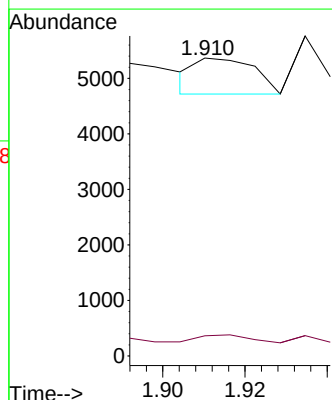
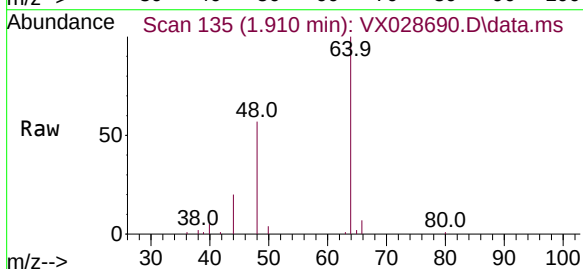
Acq: 13 May 2022 20:00

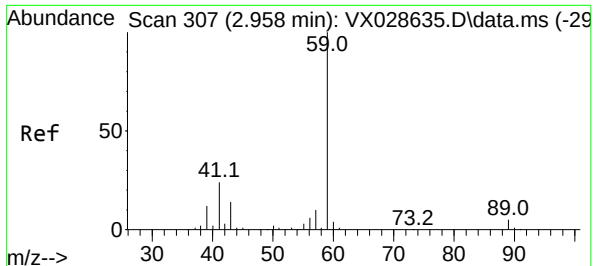
Tgt Ion: 64 Resp: 641

Ion Ratio Lower Upper

64 100

66 19.5 25.3 37.9#





#11

Tert butyl alcohol

Concen: 11.848 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX028690.D

Acq: 13 May 2022 20:00

Instrument :

MSVOA_X

ClientSampleId :

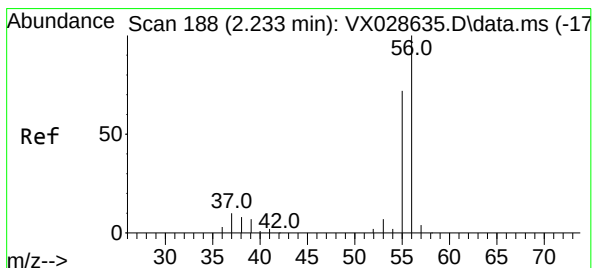
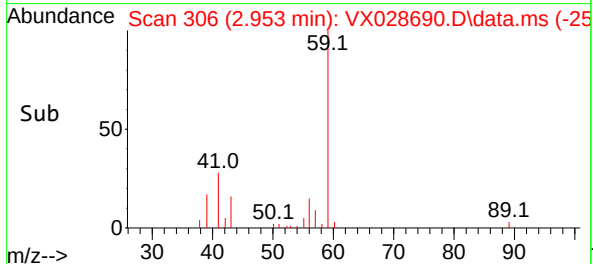
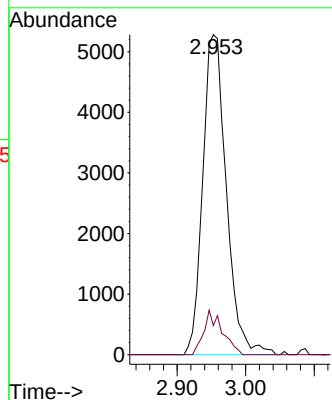
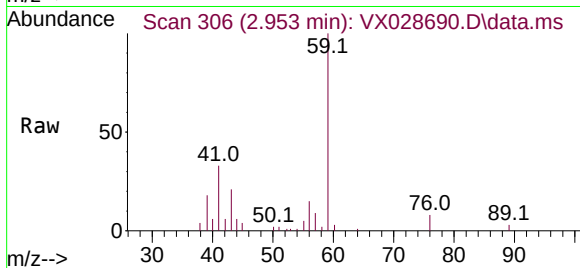
AUD-1594

Tgt Ion: 59 Resp: 12675

Ion Ratio Lower Upper

59 100

57 11.0 8.3 12.5



#13

Acrolein

Concen: 0.478 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX028690.D

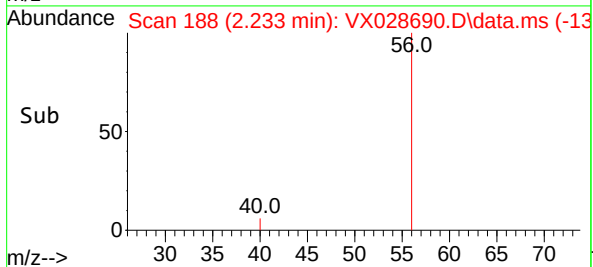
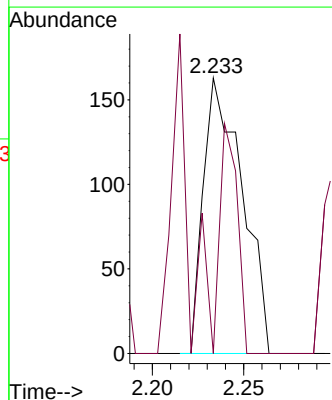
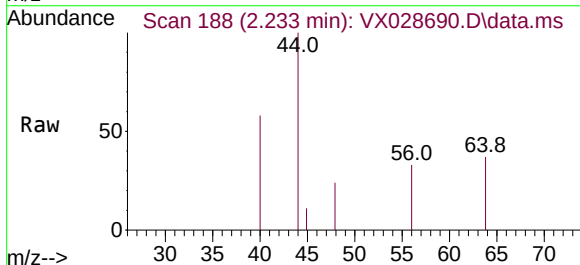
Acq: 13 May 2022 20:00

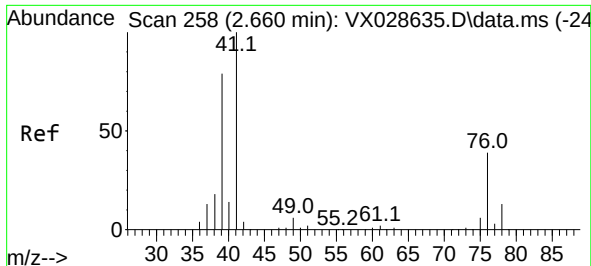
Tgt Ion: 56 Resp: 241

Ion Ratio Lower Upper

56 100

55 36.9 55.0 82.6#

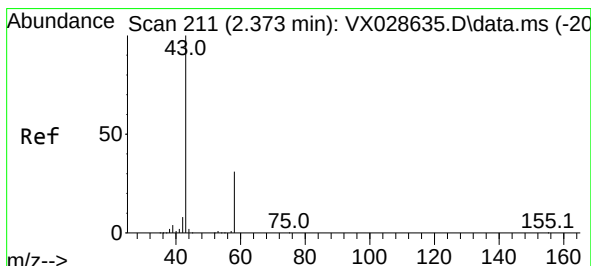
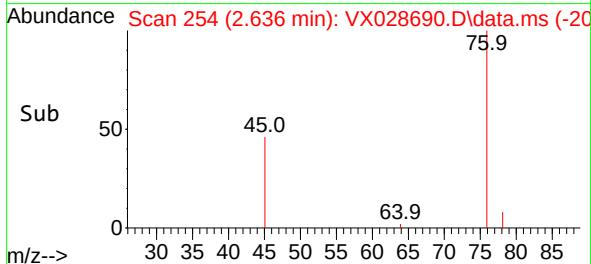
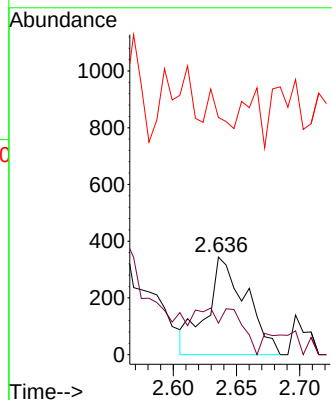
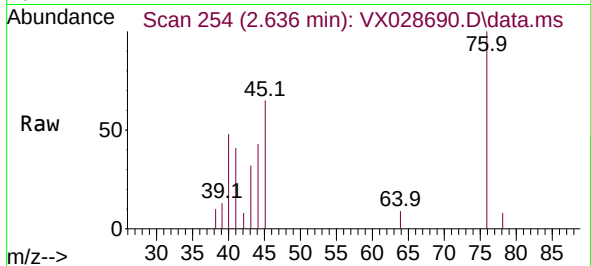




#14
 Allyl chloride
 Concen: 0.202 ug/l
 RT: 2.636 min Scan# 214
 Delta R.T. -0.024 min
 Lab File: VX028690.D
 Acq: 13 May 2022 20:00

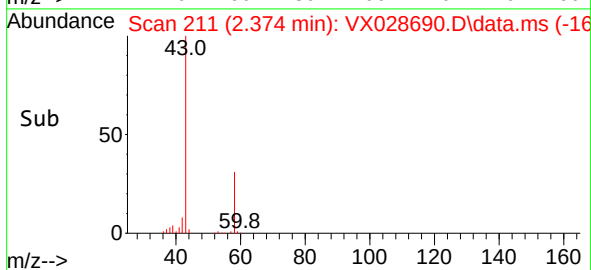
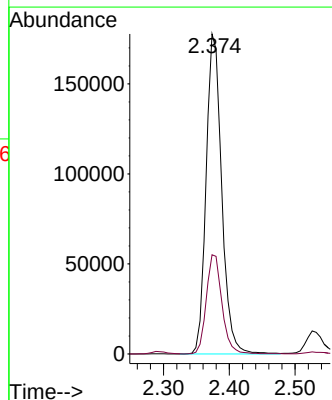
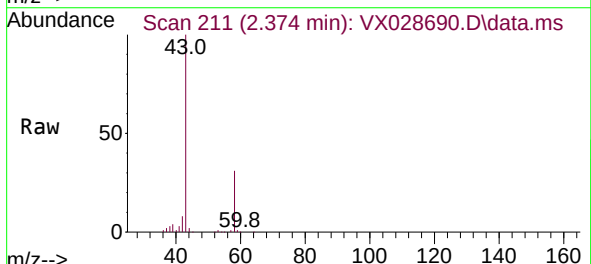
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1594

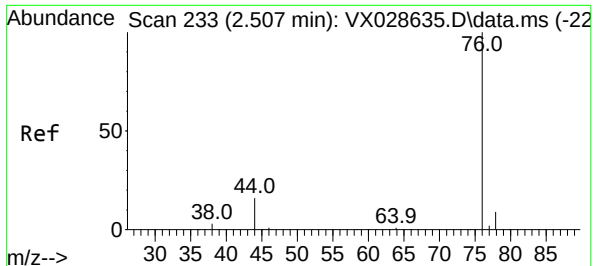
Tgt Ion: 41 Resp: 753
 Ion Ratio Lower Upper
 41 100
 39 0.0 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 222.403 ug/l
 RT: 2.374 min Scan# 211
 Delta R.T. 0.001 min
 Lab File: VX028690.D
 Acq: 13 May 2022 20:00

Tgt Ion: 43 Resp: 293114
 Ion Ratio Lower Upper
 43 100
 58 31.0 28.8 43.2





#17

Carbon Disulfide

Concen: 1.530 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.007 min

Lab File: VX028690.D

Acq: 13 May 2022 20:00

Instrument :

MSVOA_X

ClientSampleId :

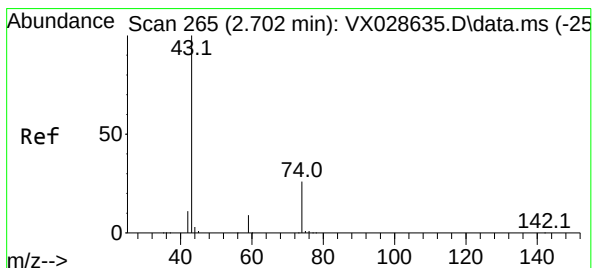
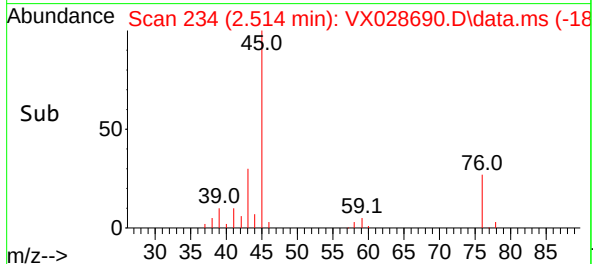
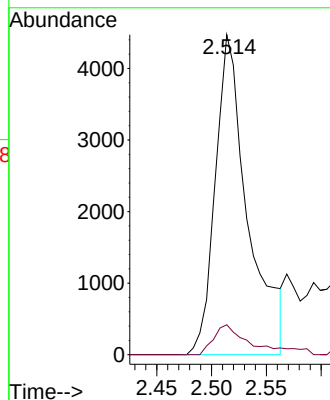
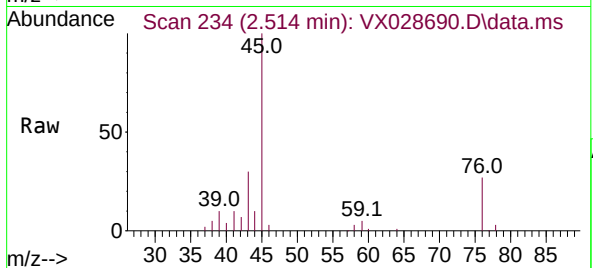
AUD-1594

Tgt Ion: 76 Resp: 9194

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8



#18

Methyl Acetate

Concen: 0.226 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.005 min

Lab File: VX028690.D

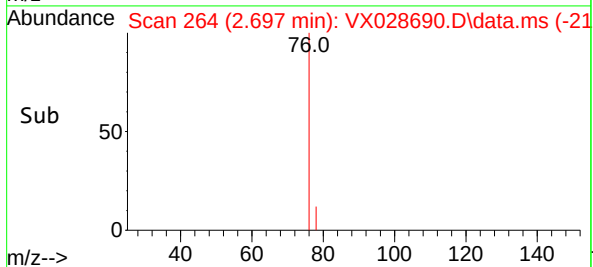
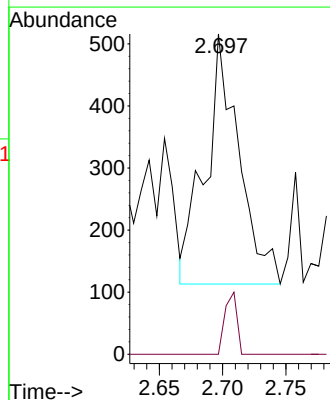
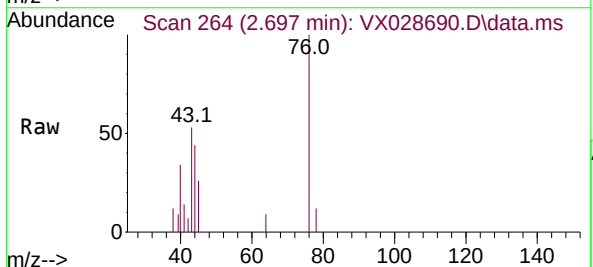
Acq: 13 May 2022 20:00

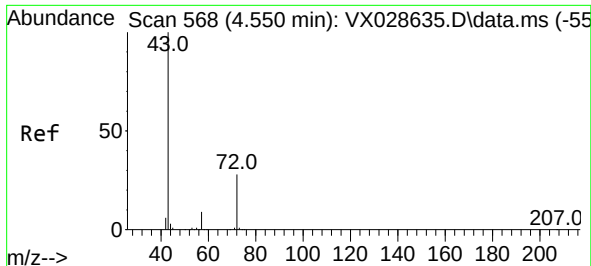
Tgt Ion: 43 Resp: 745

Ion Ratio Lower Upper

43 100

74 8.7 22.8 34.2#

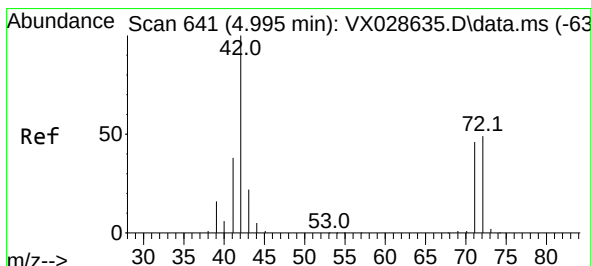
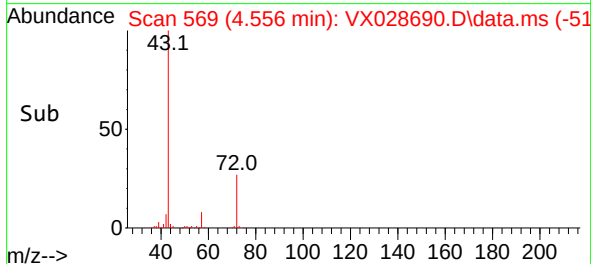
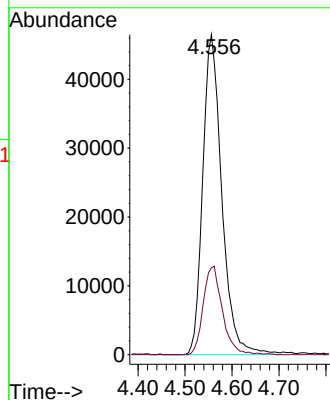
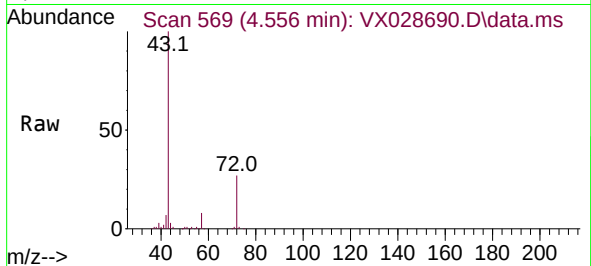




#25
2-Butanone
Concen: 63.336 ug/l
RT: 4.556 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

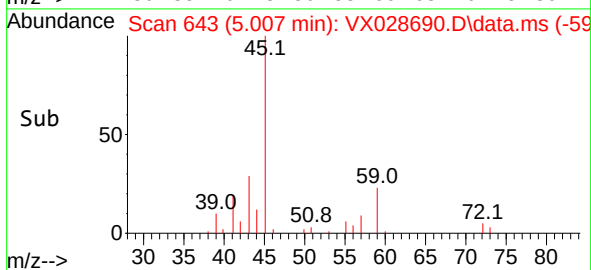
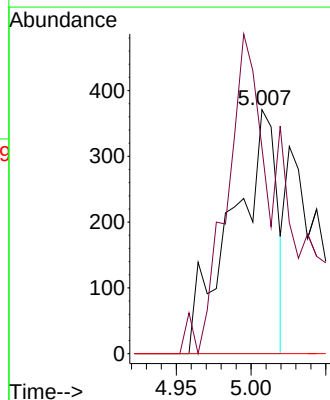
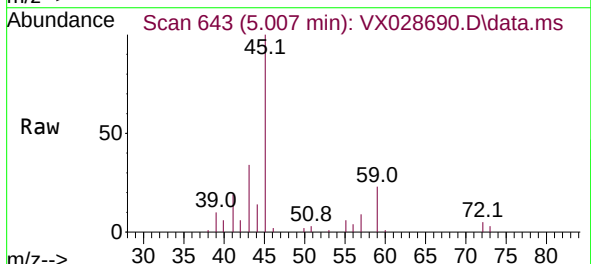
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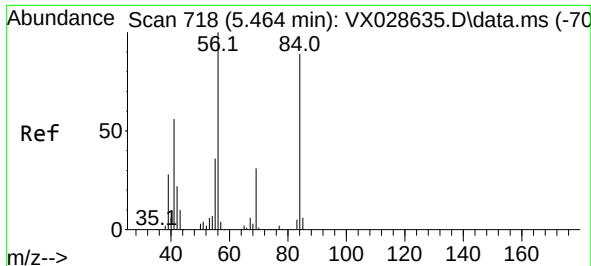
Tgt Ion: 43 Resp: 131025
Ion Ratio Lower Upper
43 100
72 27.2 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.570 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.012 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Tgt Ion: 42 Resp: 767
Ion Ratio Lower Upper
42 100
72 166.6 44.1 66.1#
71 0.0 40.5 60.7#

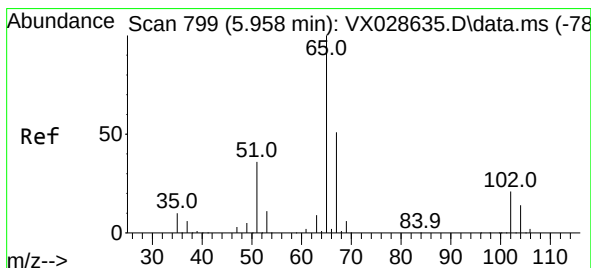
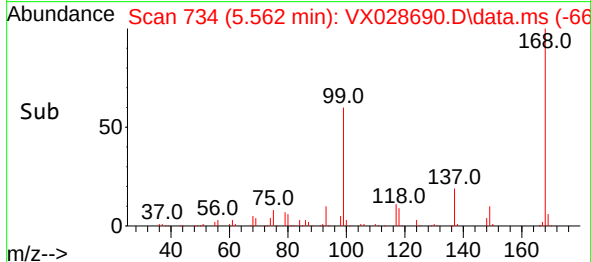
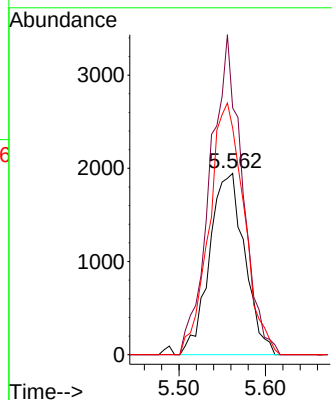
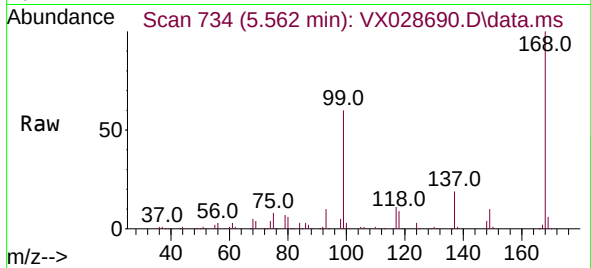




#31
Cyclohexane
Concen: 1.290 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.098 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

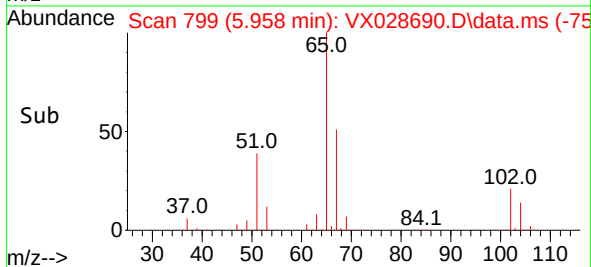
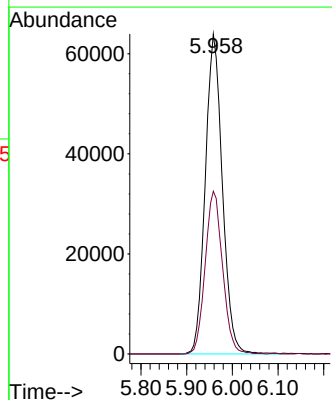
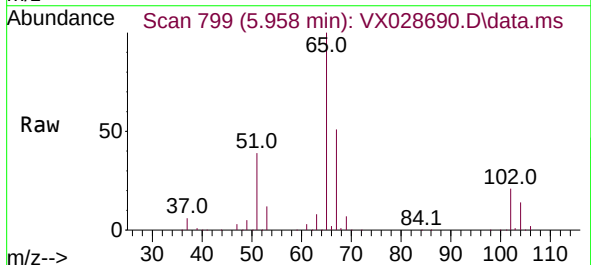
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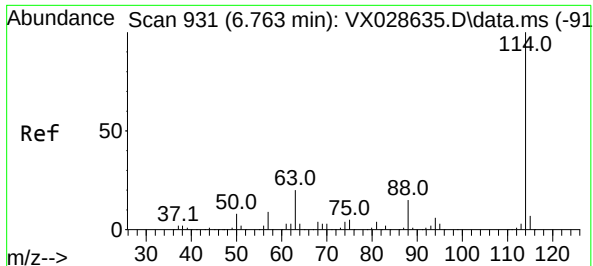
Tgt Ion: 56 Resp: 5498
Ion Ratio Lower Upper
56 100
69 136.0 26.7 40.1#
84 124.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 54.065 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Tgt Ion: 65 Resp: 166026
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.4

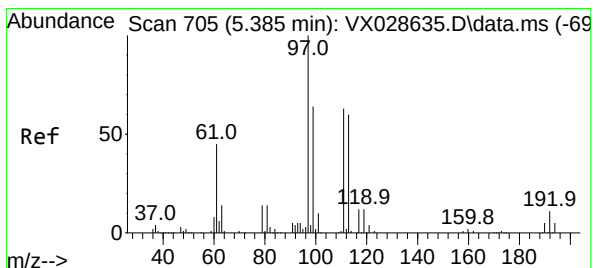
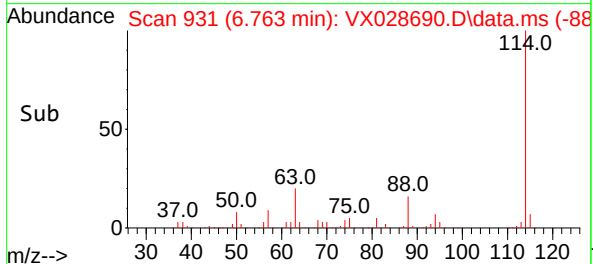
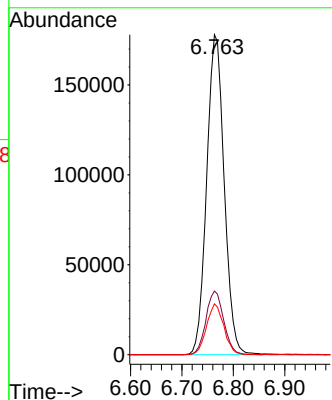
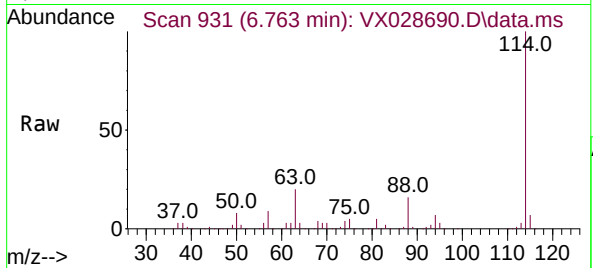




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

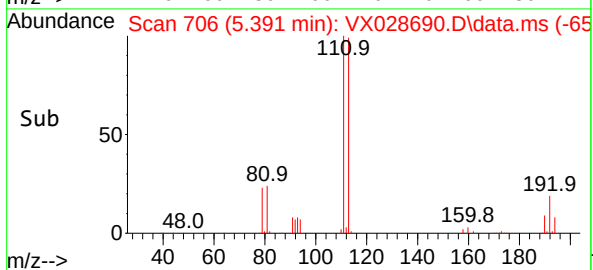
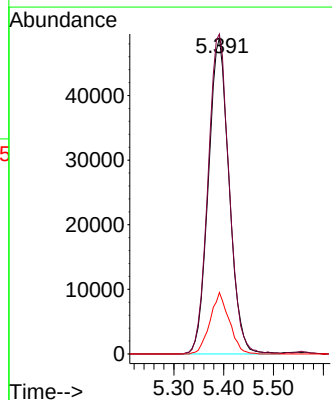
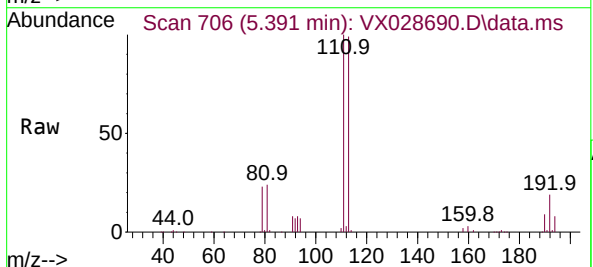
Instrument :
MSVOA_X
ClientSampleId :
AUD-1594

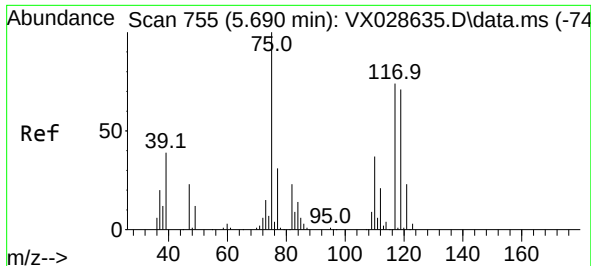
Tgt Ion:114 Resp: 421492
Ion Ratio Lower Upper
114 100
63 19.9 0.0 36.8
88 15.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.127 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Tgt Ion:113 Resp: 141189
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 18.0 16.9 25.3

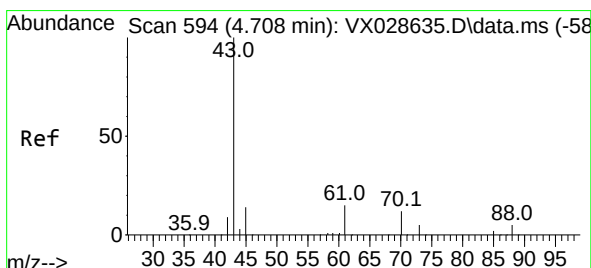
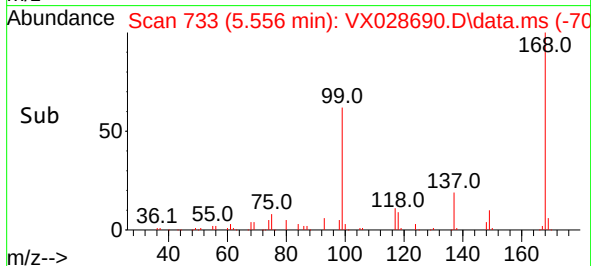
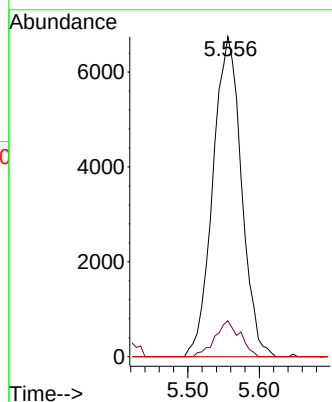
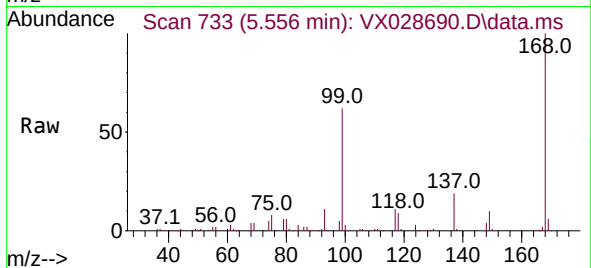




#36
1,1-Dichloropropene
Concen: 4.515 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

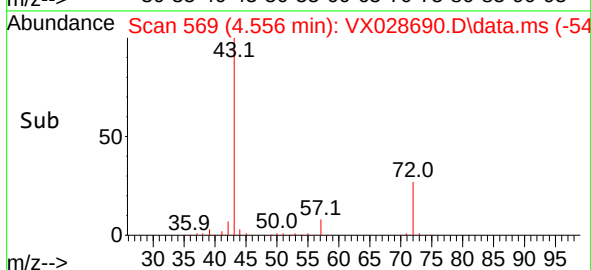
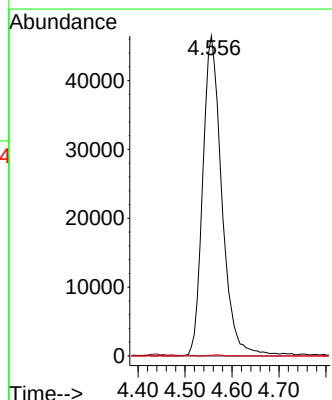
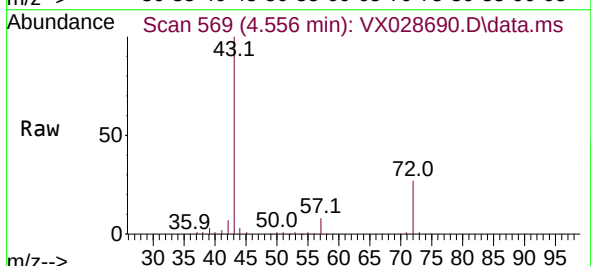
Instrument :
MSVOA_X
ClientSampleId :
AUD-1594

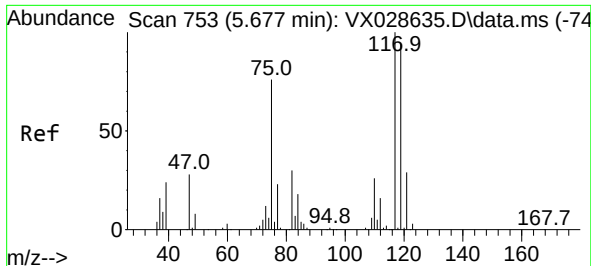
Tgt Ion: 75 Resp: 18728
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 30.244 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.152 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

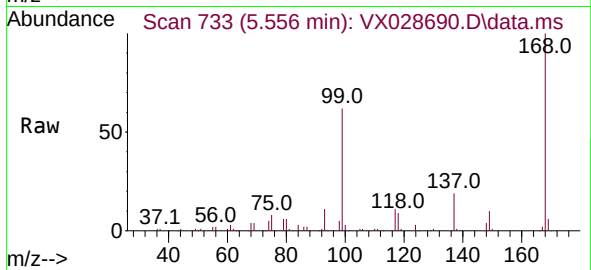
Tgt Ion: 43 Resp: 131025
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.2 10.2 15.2#



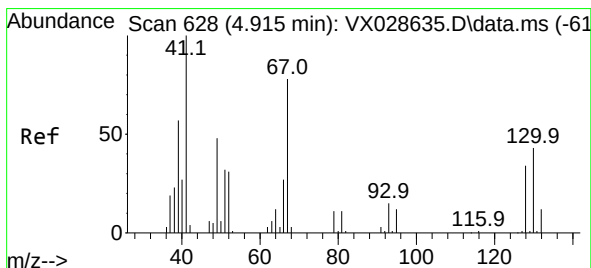
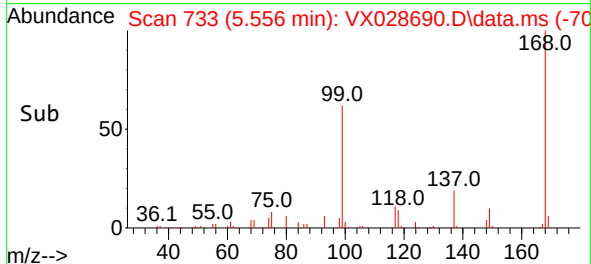
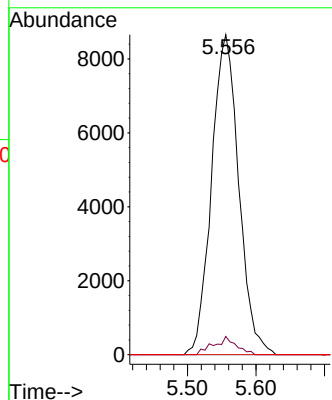


#38
Carbon Tetrachloride
Concen: 5.717 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Instrument :
MSVOA_X
ClientSampleId :
AUD-1594

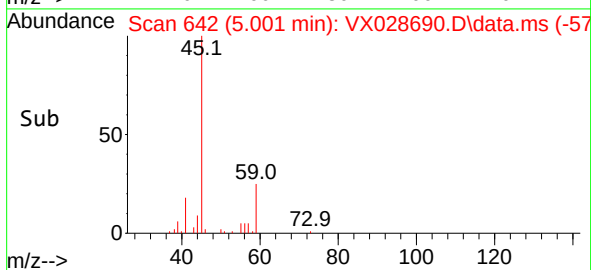
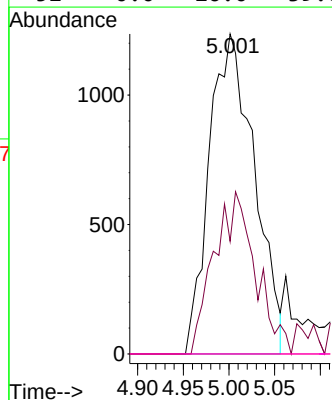
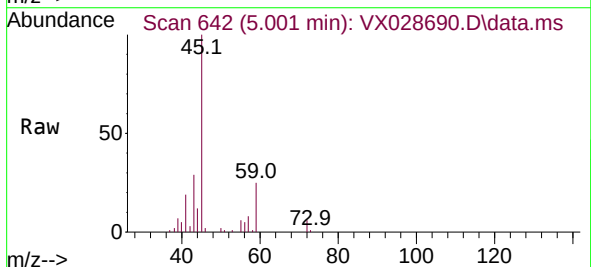


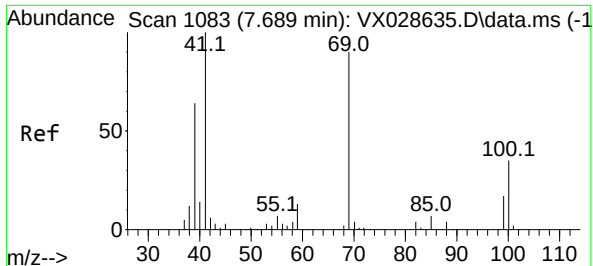
Tgt Ion:117 Resp: 23865
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.824 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.086 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Tgt Ion: 41 Resp: 4236
Ion Ratio Lower Upper
41 100
39 46.6 43.0 64.4
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#





#48

Methyl methacrylate

Concen: 0.352 ug/l

RT: 7.696 min Scan# 1

Delta R.T. 0.007 min

Lab File: VX028690.D

Acq: 13 May 2022 20:00

Instrument :

MSVOA_X

ClientSampleId :

AUD-1594

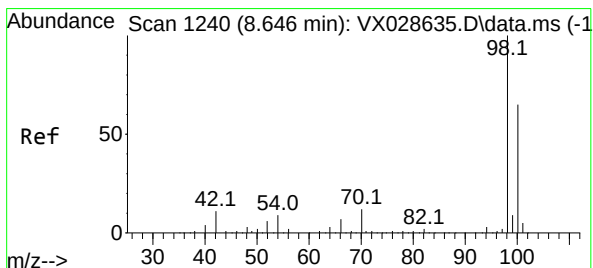
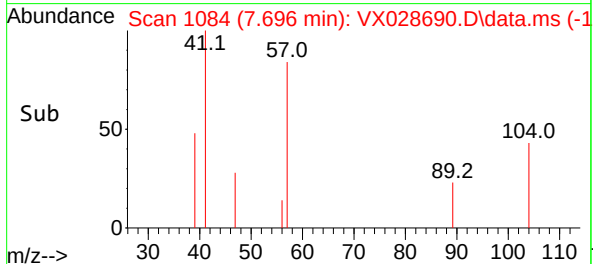
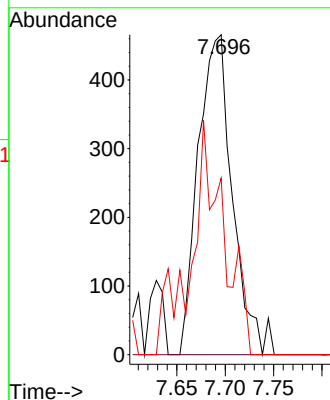
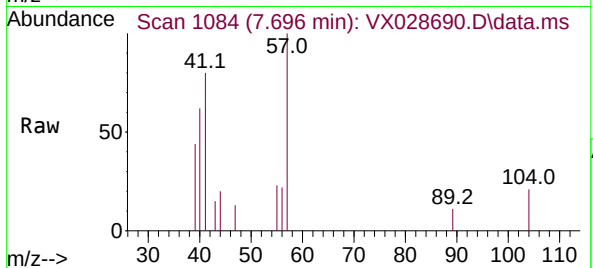
Tgt Ion: 41 Resp: 1153

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 56.3 43.8 65.8



#50

Toluene-d8

Concen: 48.823 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028690.D

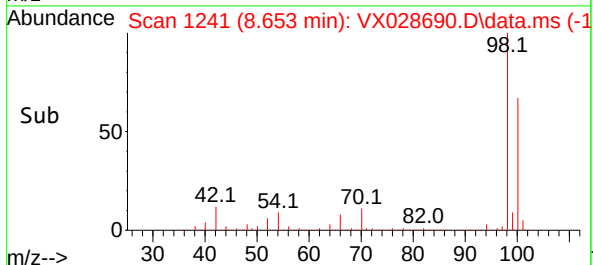
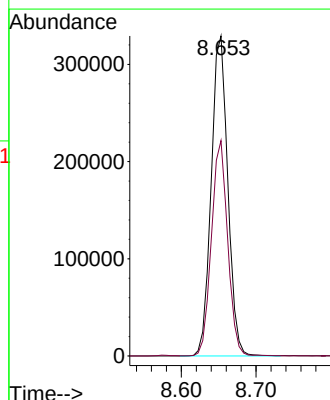
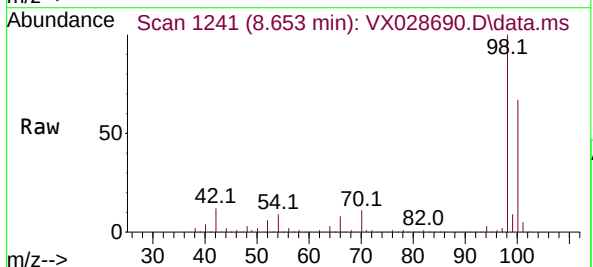
Acq: 13 May 2022 20:00

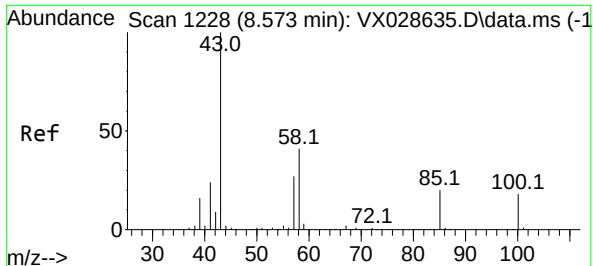
Tgt Ion: 98 Resp: 508326

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8

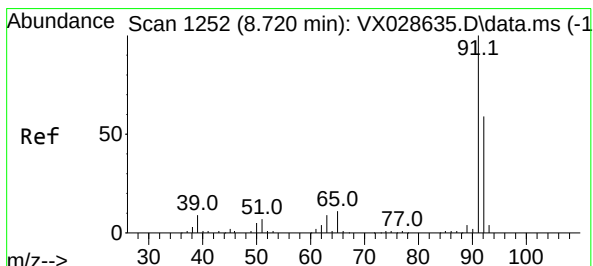
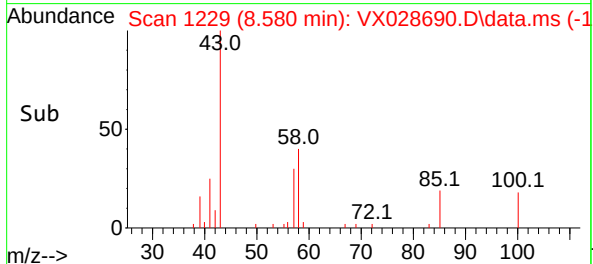
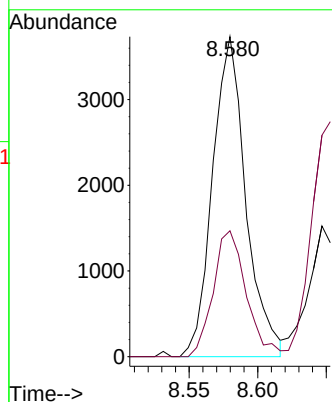
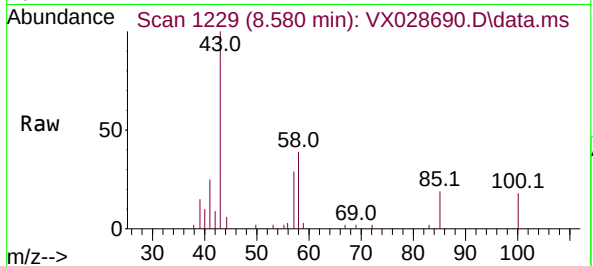




#51
4-Methyl-2-Pentanone
Concen: 1.413 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

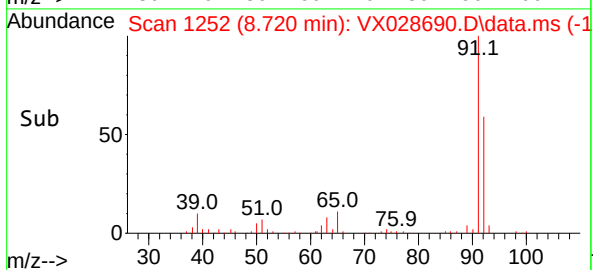
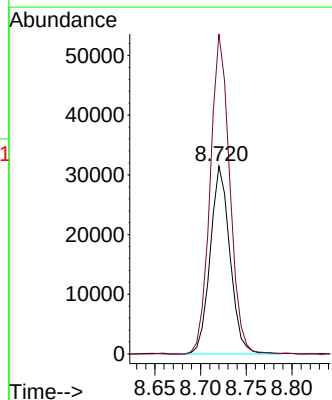
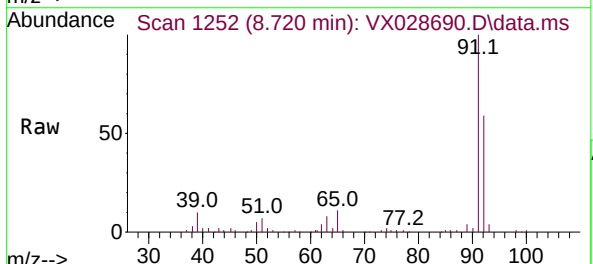
Instrument :
MSVOA_X
ClientSampleId :
AUD-1594

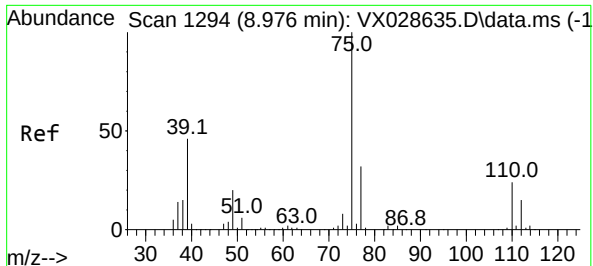
Tgt Ion: 43 Resp: 6306
Ion Ratio Lower Upper
43 100
58 38.9 36.1 54.1



#52
Toluene
Concen: 6.139 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Tgt Ion: 92 Resp: 47078
Ion Ratio Lower Upper
92 100
91 169.5 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 1.759 ug/l

RT: 8.714 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX028690.D

Acq: 13 May 2022 20:00

Instrument :

MSVOA_X

ClientSampleId :

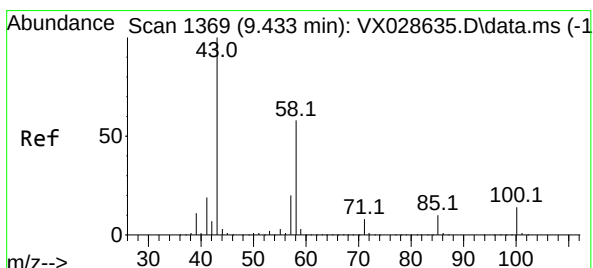
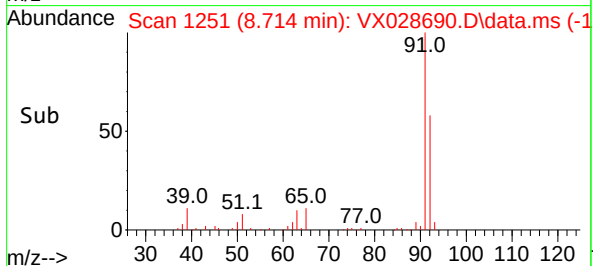
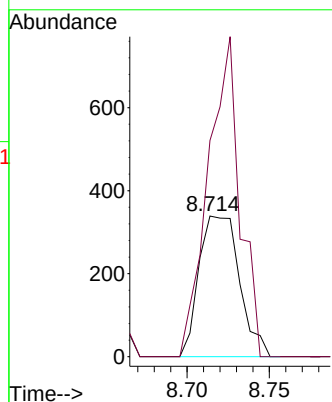
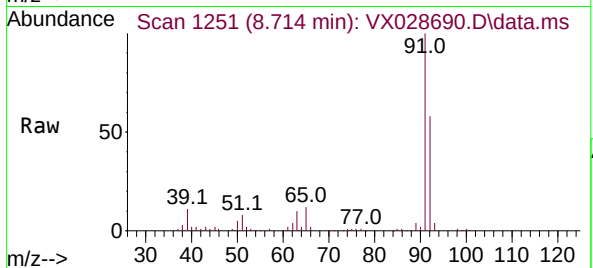
AUD-1594

Tgt Ion: 75 Resp: 581

Ion Ratio Lower Upper

75 100

77 153.7 25.4 38.0#



#59

2-Hexanone

Concen: 0.229 ug/l

RT: 9.452 min Scan# 1372

Delta R.T. 0.019 min

Lab File: VX028690.D

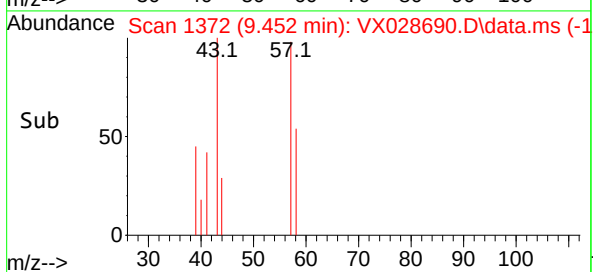
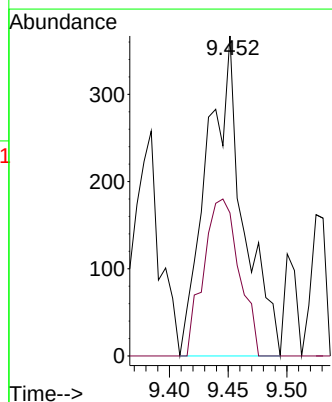
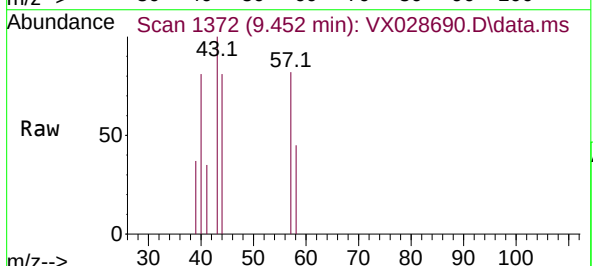
Acq: 13 May 2022 20:00

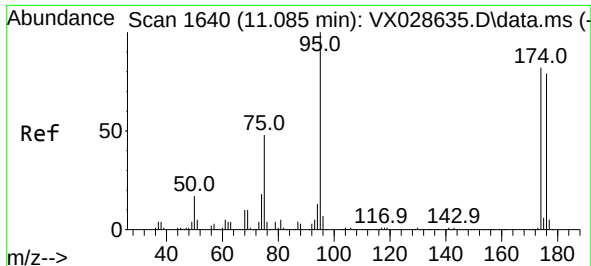
Tgt Ion: 43 Resp: 793

Ion Ratio Lower Upper

43 100

58 47.8 31.9 95.7

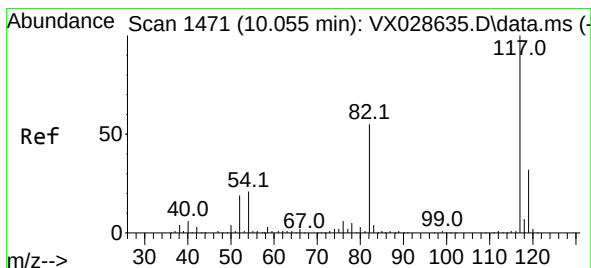
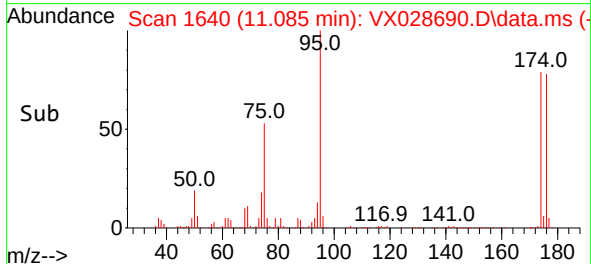
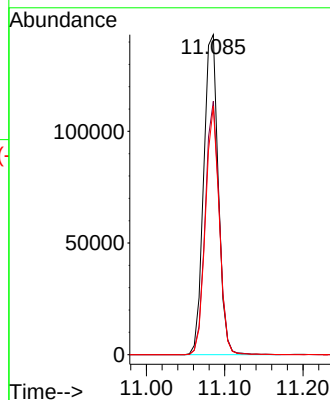
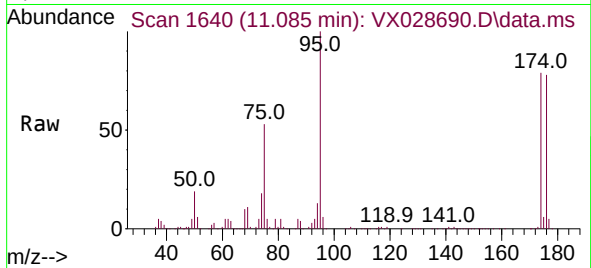




#62
4-Bromofluorobenzene
Concen: 47.766 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

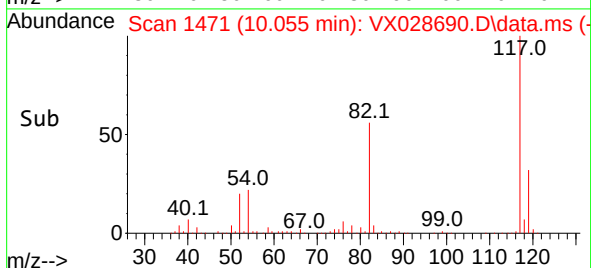
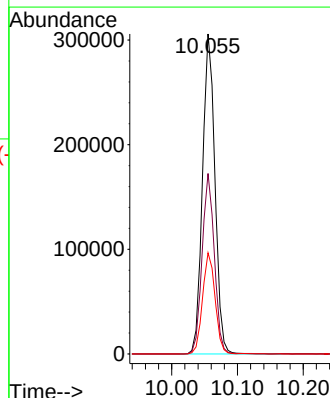
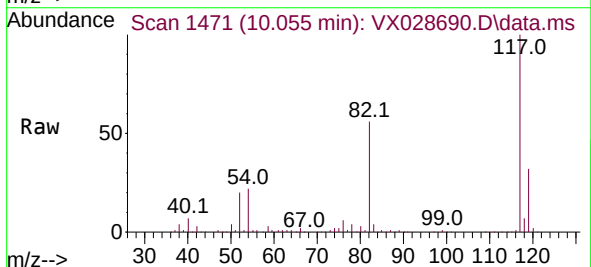
Instrument :
MSVOA_X
ClientSampleId :
AUD-1594

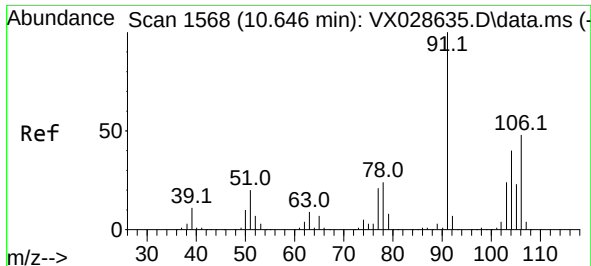
Tgt Ion: 95 Resp: 185751
Ion Ratio Lower Upper
95 100
174 76.2 0.0 163.0
176 73.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Tgt Ion: 117 Resp: 402478
Ion Ratio Lower Upper
117 100
82 56.4 41.8 62.8
119 31.6 24.8 37.2

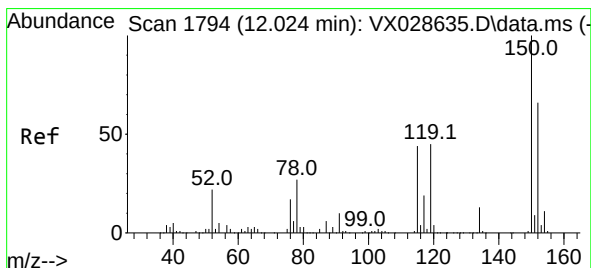
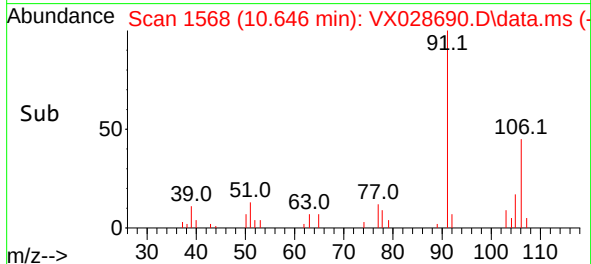
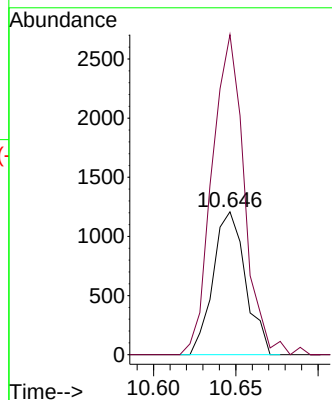
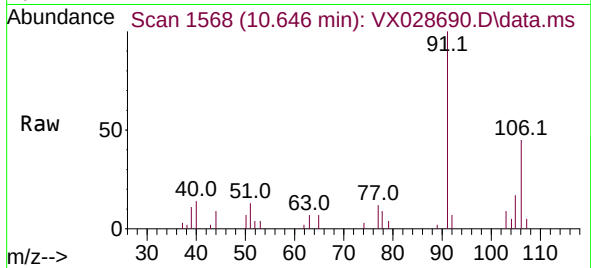




#69
o-Xylene
Concen: 0.283 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

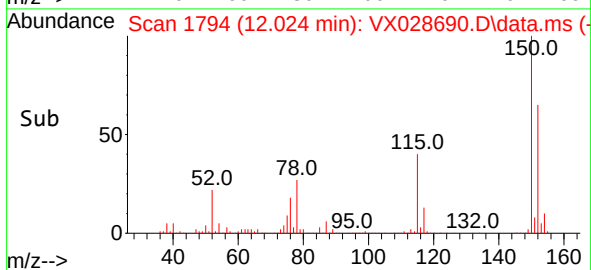
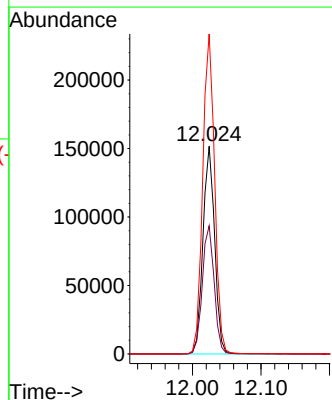
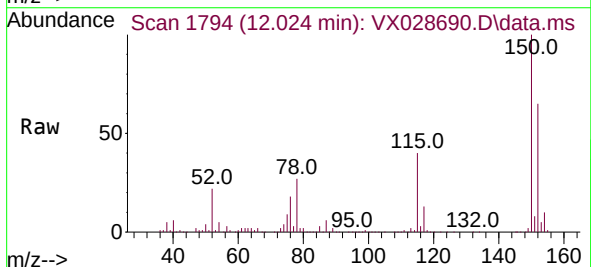
Instrument :
MSVOA_X
ClientSampleId :
AUD-1594

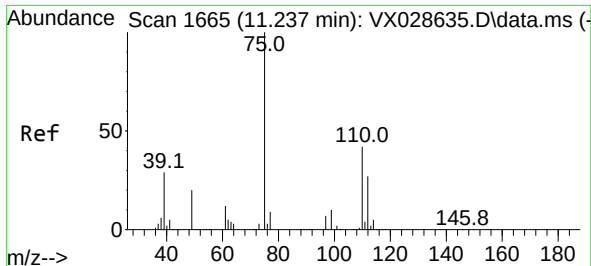
Tgt Ion:106 Resp: 1658
Ion Ratio Lower Upper
106 100
91 223.1 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Tgt Ion:152 Resp: 180264
Ion Ratio Lower Upper
152 100
115 62.9 37.5 112.7
150 156.6 0.0 338.2

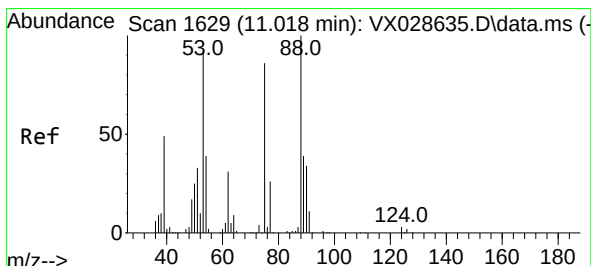
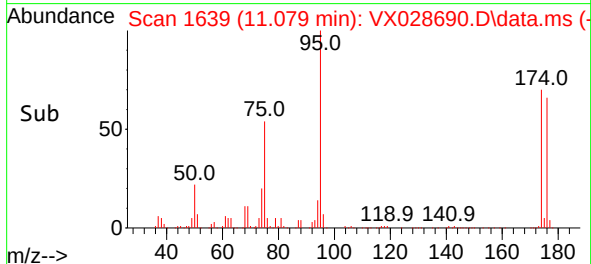
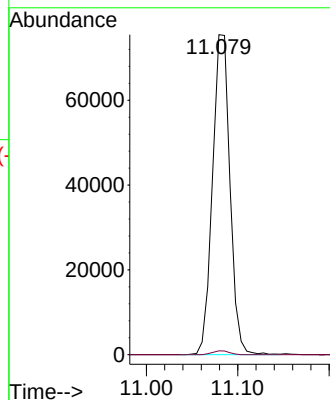
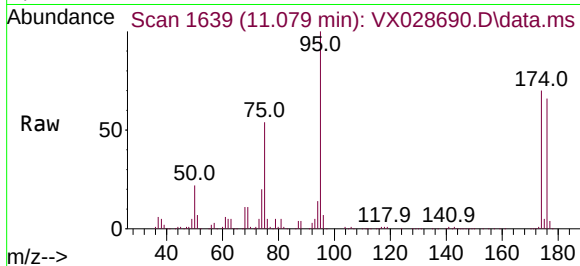




#76
1,2,3-Trichloropropane
Concen: 23.728 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

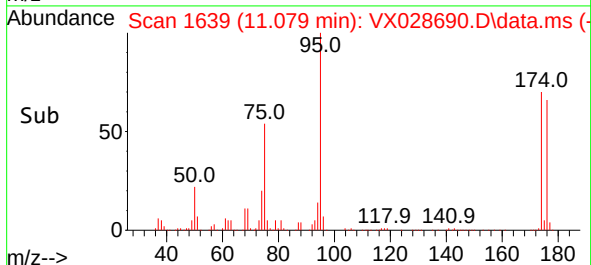
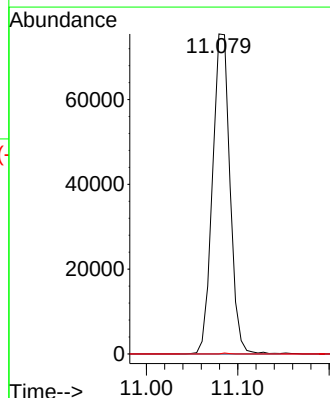
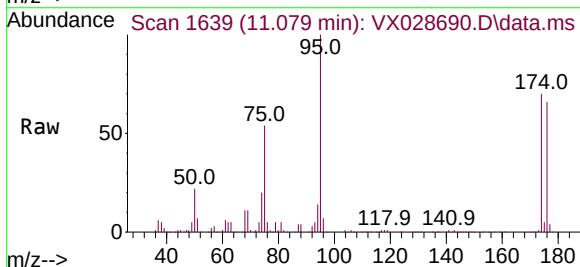
Instrument :
MSVOA_X
ClientSampleId :
AUD-1594

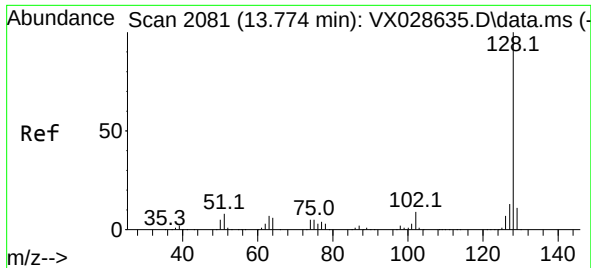
Tgt Ion: 75 Resp: 100169
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.176 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028690.D
Acq: 13 May 2022 20:00

Tgt Ion: 75 Resp: 100169
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#





#95

Naphthalene

Concen: 0.261 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX028690.D

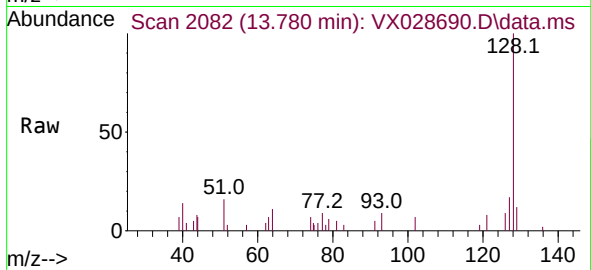
Acq: 13 May 2022 20:00

Instrument :

MSVOA_X

ClientSampleId :

AUD-1594



Tgt Ion:128 Resp: 3349

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 10.5 8.7 13.1

