

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091422\
 Data File : VX031334.D
 Acq On : 15 Sep 2022 02:30
 Operator : JC/MD
 Sample : N4588-05 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-1667

Quant Time: Sep 15 06:10:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

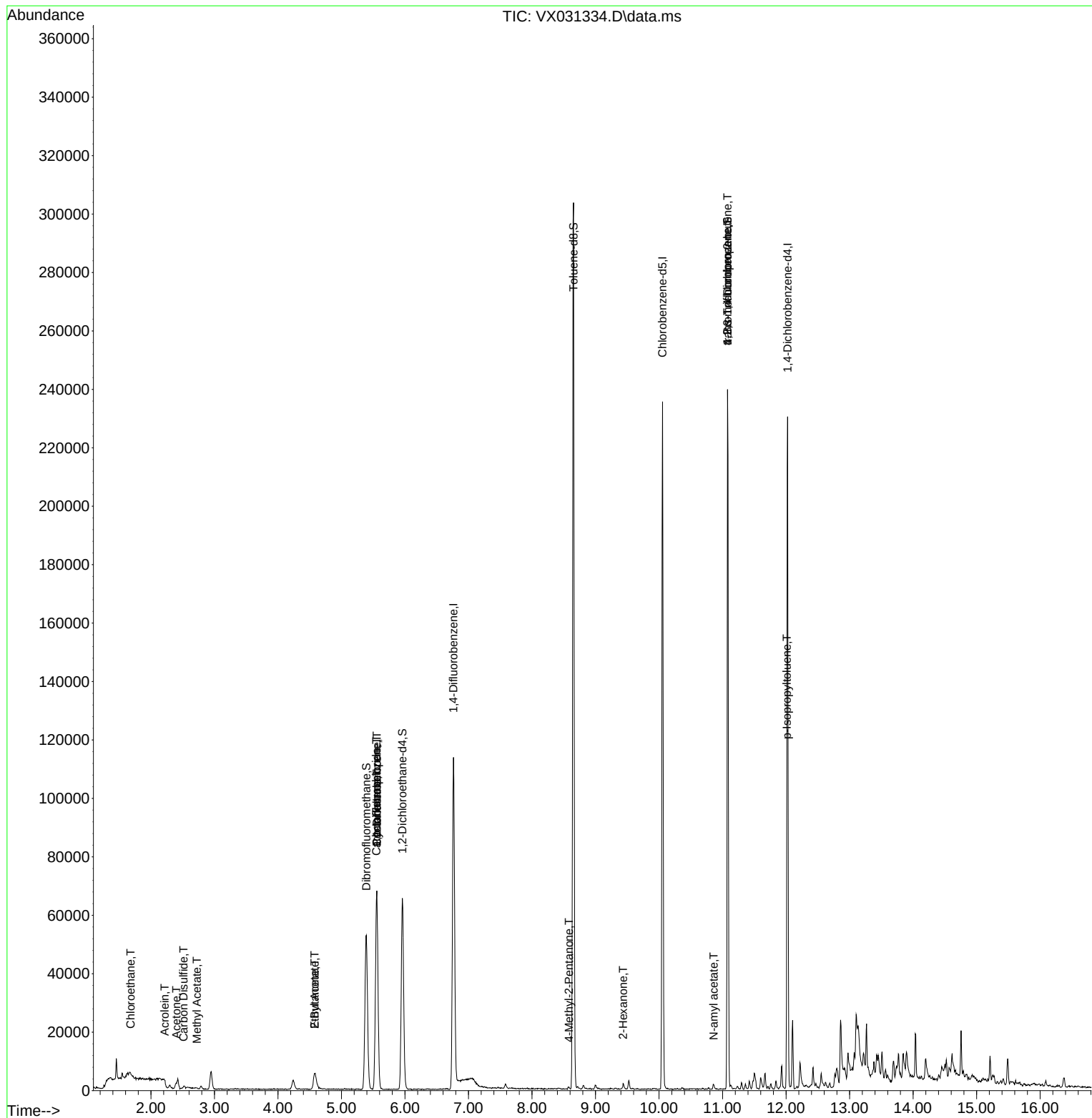
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	58944	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	106462	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60488	41.808	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.620%
35) Dibromofluoromethane	5.391	113	44463	38.853	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	77.700%
50) Toluene-d8	8.653	98	173170	40.340	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	80.680%#
62) 4-Bromofluorobenzene	11.079	95	58466	37.193	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	74.380%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	144	Below Cal	#	41
6) Chloroethane	1.679	64	179	0.241	ug/l #	43
11) Tert butyl alcohol	2.947	59	3697	Below Cal	#	73
13) Acrolein	2.215	56	189	1.132	ug/l #	5
16) Acetone	2.398	43	2640	4.274	ug/l	96
17) Carbon Disulfide	2.514	76	1745	1.750	ug/l #	93
18) Methyl Acetate	2.721	43	789	0.431	ug/l #	52
20) Methylene Chloride	2.788	84	395	Below Cal		90
21) trans-1,2-Dichloroethene	3.136	96	46	Below Cal	#	1
25) 2-Butanone	4.574	43	6088	5.976	ug/l #	86
31) Cyclohexane	5.556	56	1789	1.151	ug/l #	36
36) 1,1-Dichloropropene	5.556	75	5791	3.697	ug/l #	49
37) Ethyl Acetate	4.574	43	6088	2.958	ug/l #	70
38) Carbon Tetrachloride	5.550	117	6373	3.743	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	561	0.263	ug/l	92
59) 2-Hexanone	9.433	43	1355	0.831	ug/l	89
74) N-amyl acetate	10.860	43	770	0.511	ug/l #	80
76) 1,2,3-Trichloropropane	11.079	75	33245	32.136	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33245	88.921	ug/l #	11
86) p-Isopropyltoluene	12.012	119	755	0.291	ug/l	86

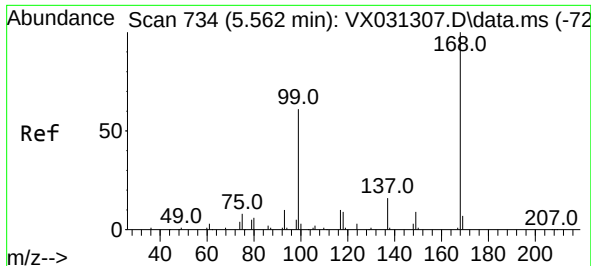
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 15 01:50:07 2022
Response via : Initial Calibration

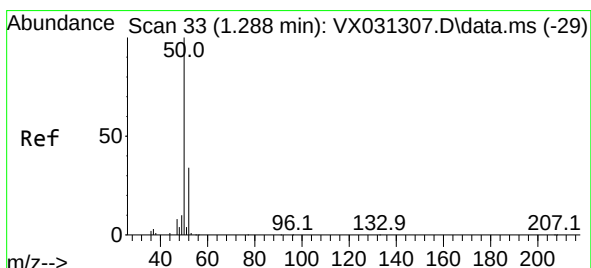
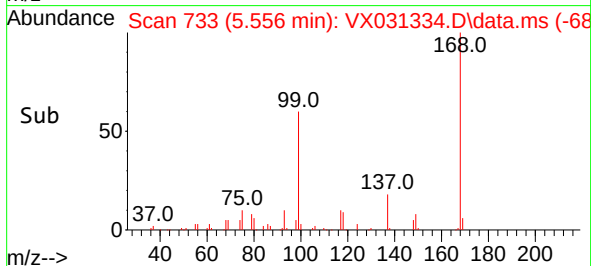
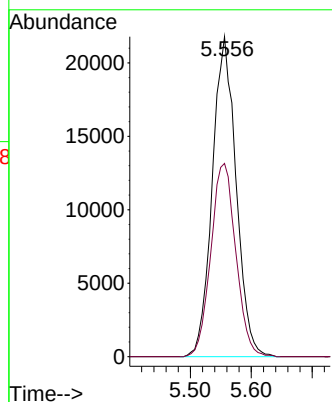
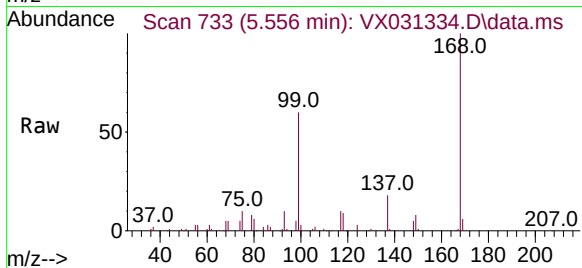




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

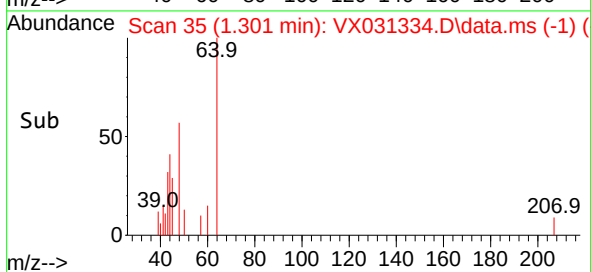
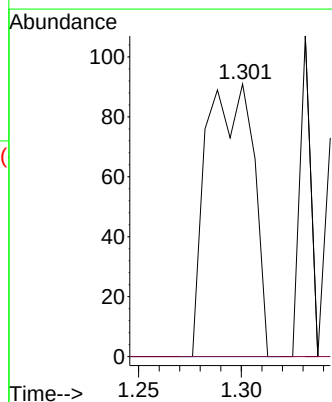
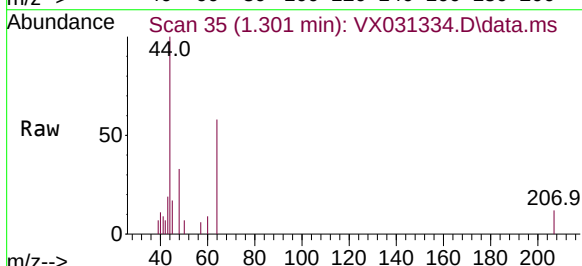
Instrument :
MSVOA_X
ClientSampleId :
AUD-1667

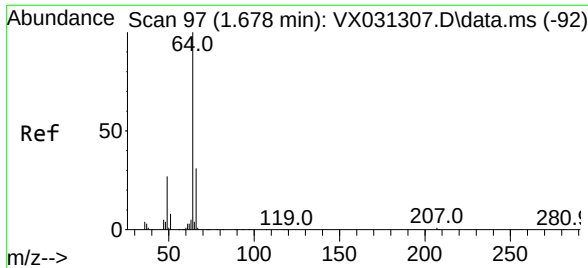
Tgt Ion:168 Resp: 58944
Ion Ratio Lower Upper
168 100
99 60.4 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.301 min Scan# 35
Delta R.T. 0.013 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

Tgt Ion: 50 Resp: 144
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

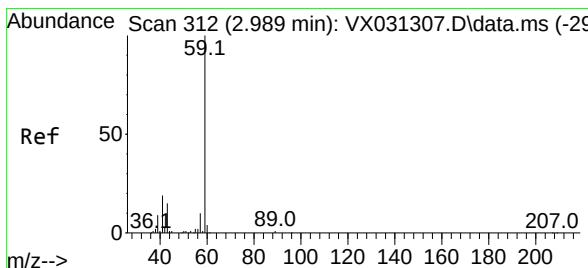
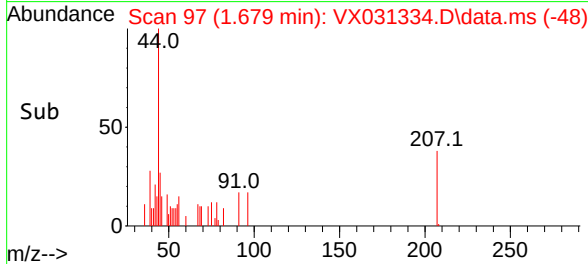
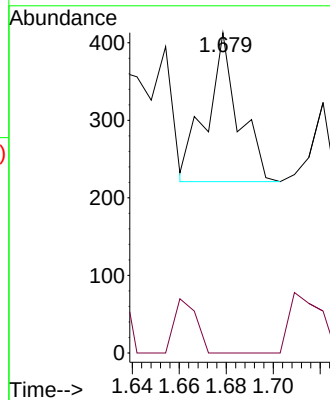
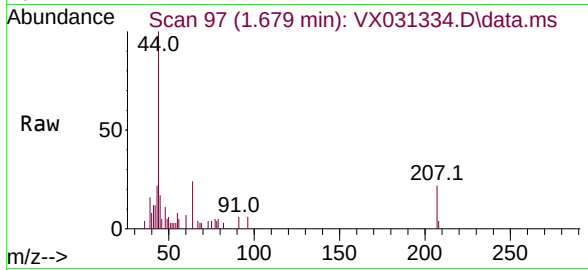




#6
Chloroethane
Concen: 0.241 ug/l
RT: 1.679 min Scan# 91
Delta R.T. 0.001 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

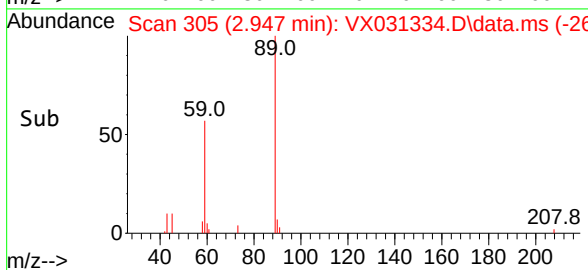
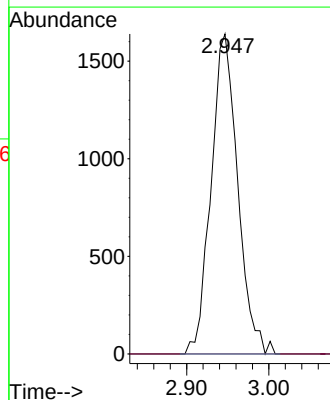
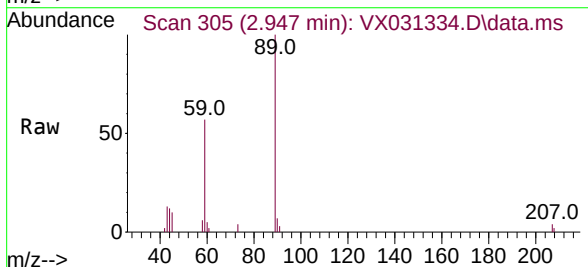
Instrument :
MSVOA_X
ClientSampleId :
AUD-1667

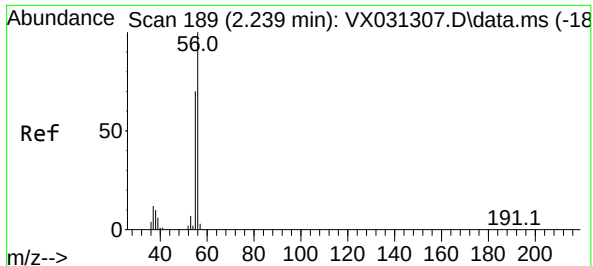
Tgt Ion: 64 Resp: 179
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.042 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

Tgt Ion: 59 Resp: 3697
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 1.132 ug/l

RT: 2.215 min Scan# 189

Delta R.T. -0.024 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

Instrument :

MSVOA_X

ClientSampleId :

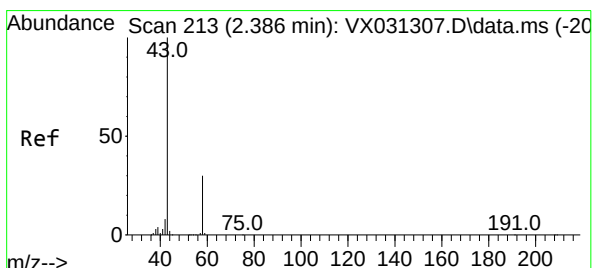
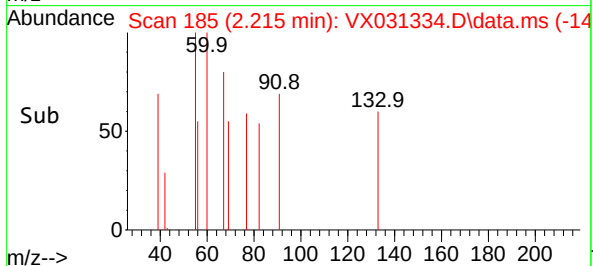
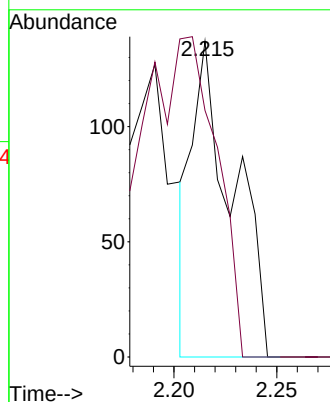
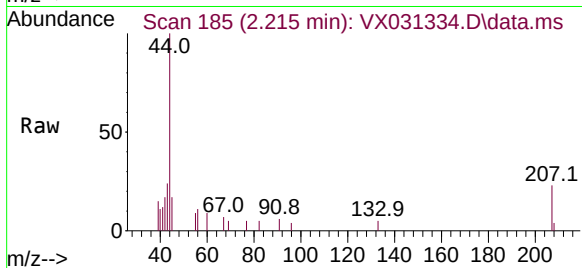
AUD-1667

Tgt Ion: 56 Resp: 189

Ion Ratio Lower Upper

56 100

55 148.1 56.0 84.0#



#16

Acetone

Concen: 4.274 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX031334.D

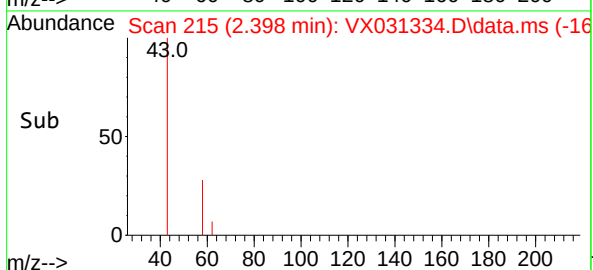
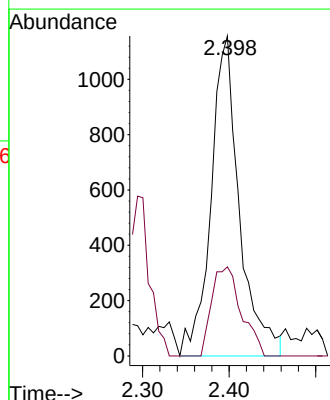
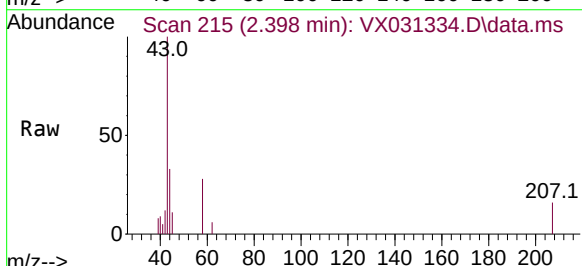
Acq: 15 Sep 2022 02:30

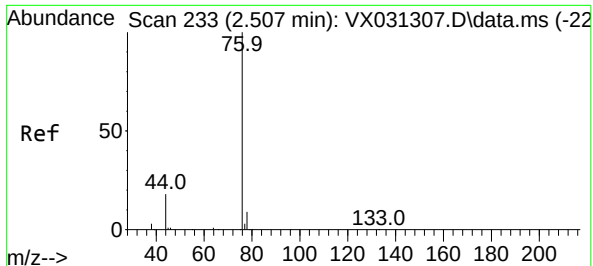
Tgt Ion: 43 Resp: 2640

Ion Ratio Lower Upper

43 100

58 27.8 23.8 35.8

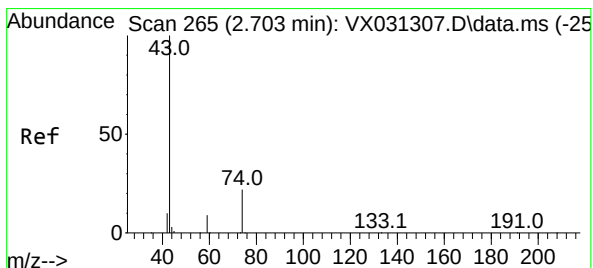
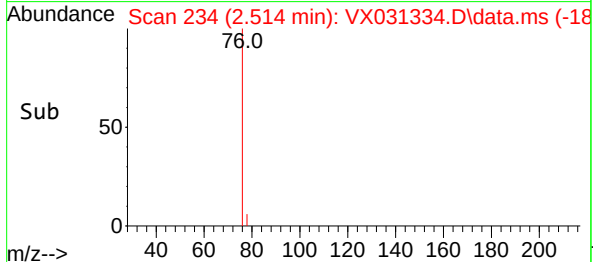
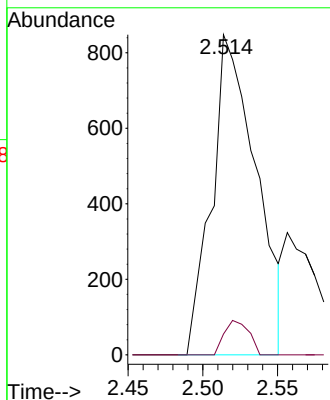
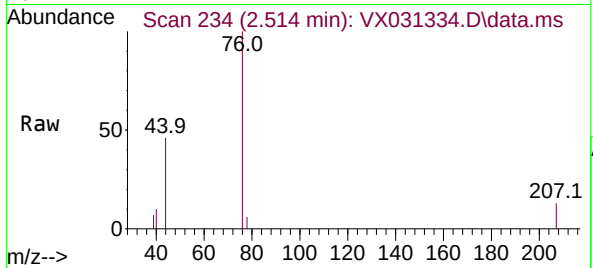




#17
Carbon Disulfide
Concen: 1.750 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

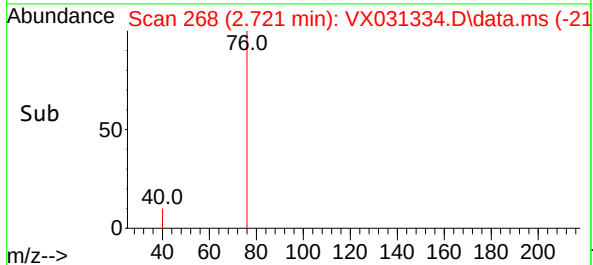
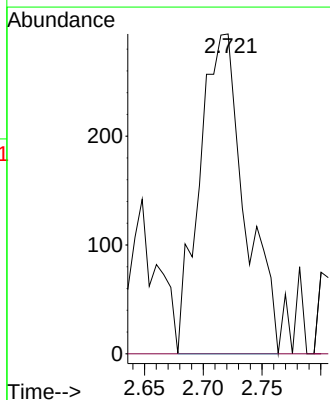
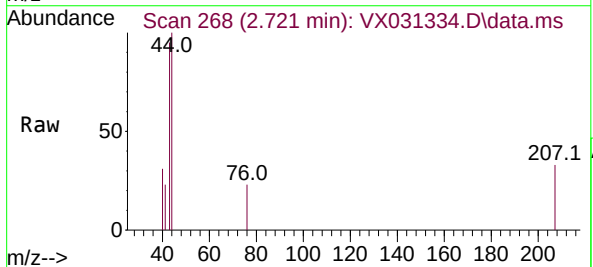
Instrument :
MSVOA_X
ClientSampleId :
AUD-1667

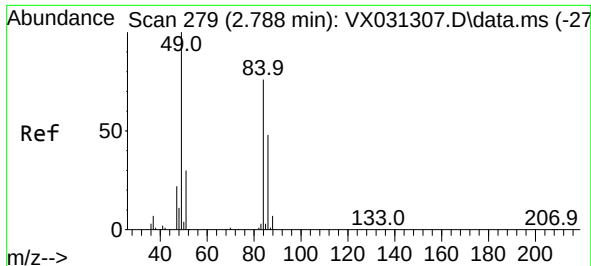
Tgt Ion: 76 Resp: 1745
Ion Ratio Lower Upper
76 100
78 6.5 7.2 10.8#



#18
Methyl Acetate
Concen: 0.431 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.018 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
74 0.0 18.6 27.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

Instrument :

MSVOA_X

ClientSampleId :

AUD-1667

Tgt Ion: 84 Resp: 395

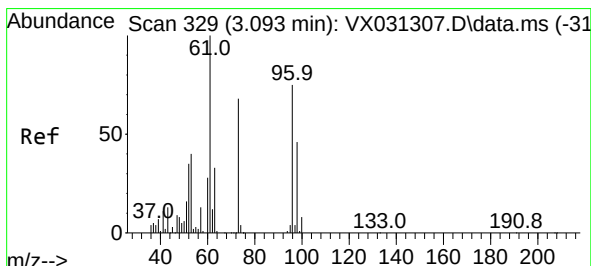
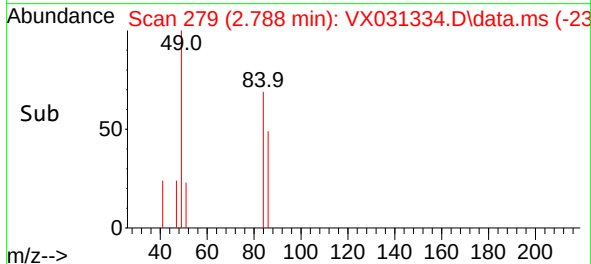
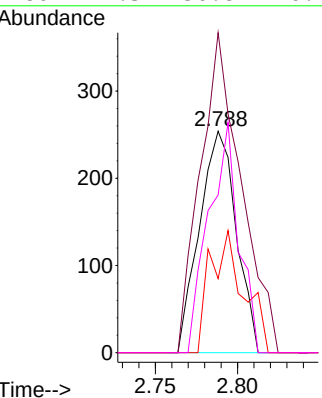
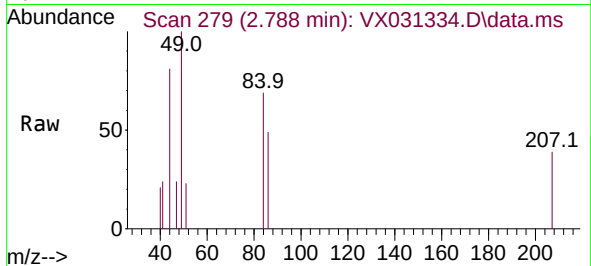
Ion Ratio Lower Upper

84 100

49 144.5 105.9 158.9

51 33.5 32.2 48.2

86 71.3 50.8 76.2



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.136 min Scan# 336

Delta R.T. 0.043 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

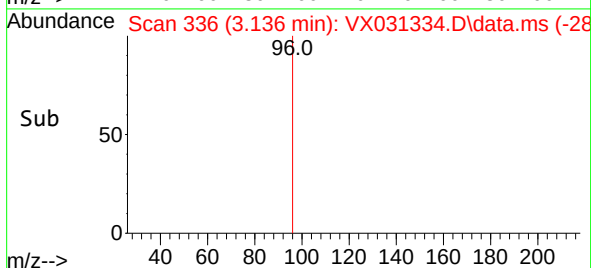
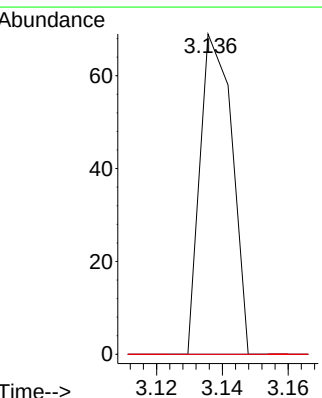
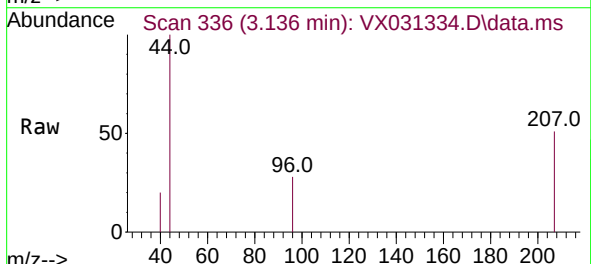
Tgt Ion: 96 Resp: 46

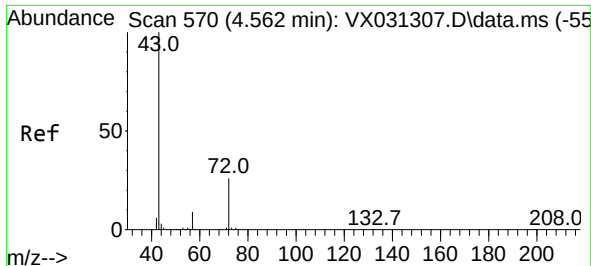
Ion Ratio Lower Upper

96 100

61 0.0 106.7 160.1#

98 0.0 48.7 73.1#

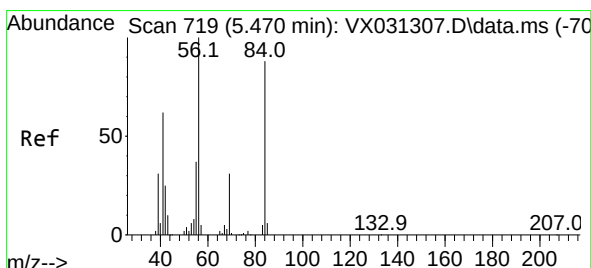
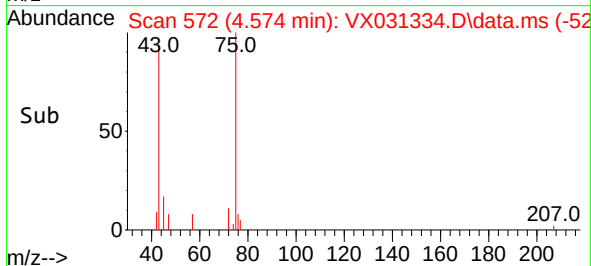
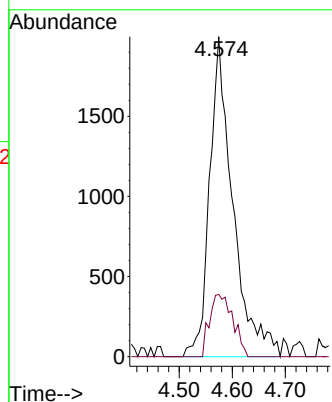
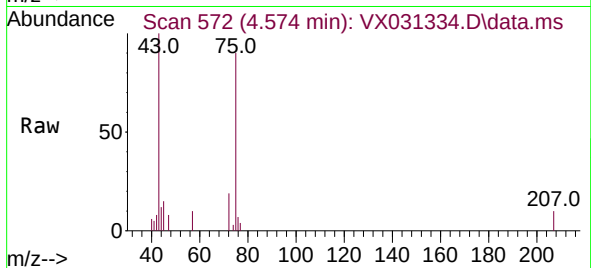




#25
2-Butanone
Concen: 5.976 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

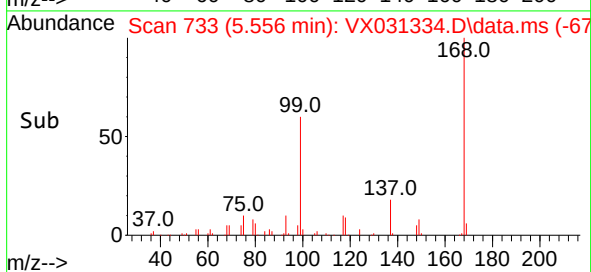
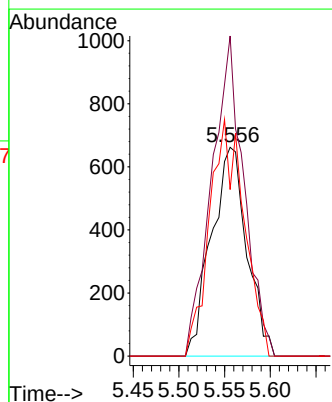
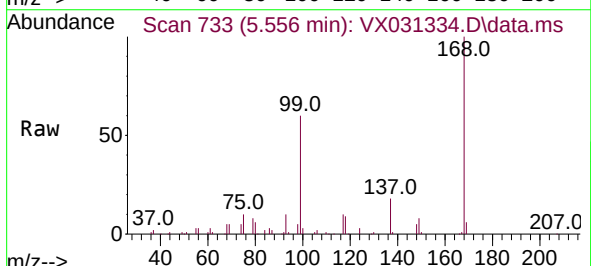
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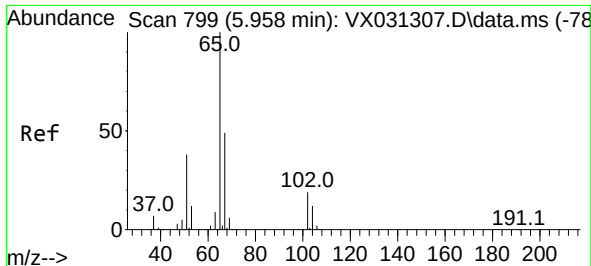
Tgt Ion: 43 Resp: 6088
Ion Ratio Lower Upper
43 100
72 19.4 21.1 31.7#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

Tgt Ion: 56 Resp: 1789
Ion Ratio Lower Upper
56 100
69 153.3 25.1 37.7#
84 79.8 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 41.808 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

Instrument :

MSVOA_X

ClientSampleId :

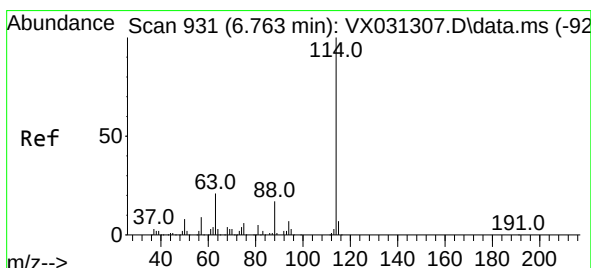
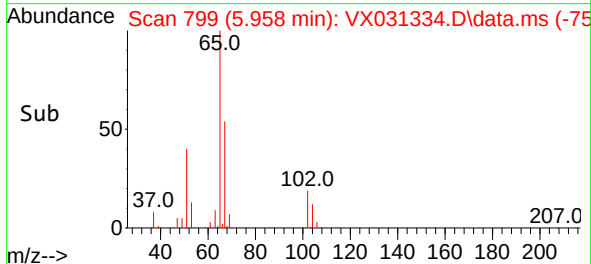
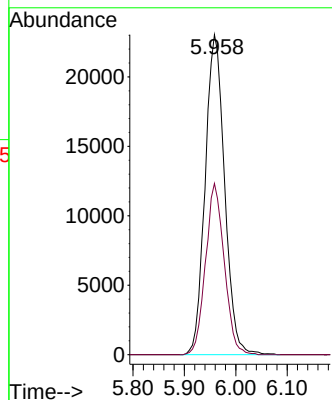
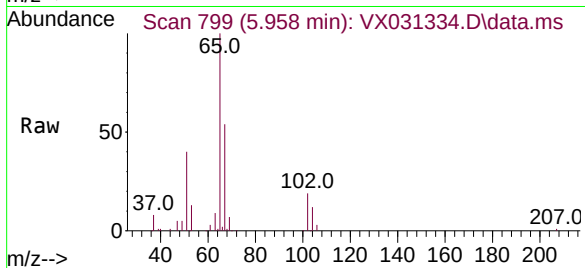
AUD-1667

Tgt Ion: 65 Resp: 60488

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

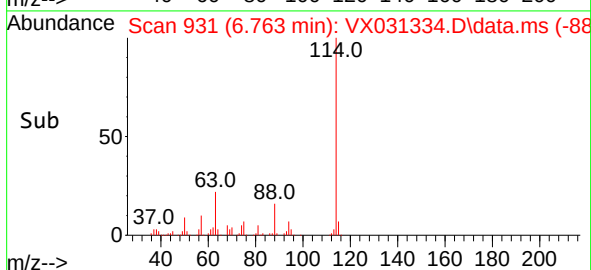
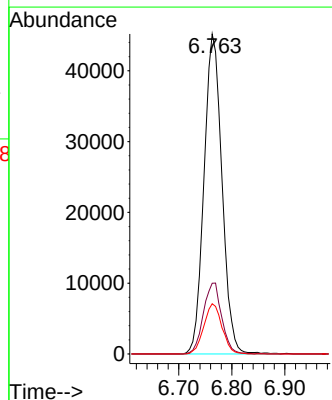
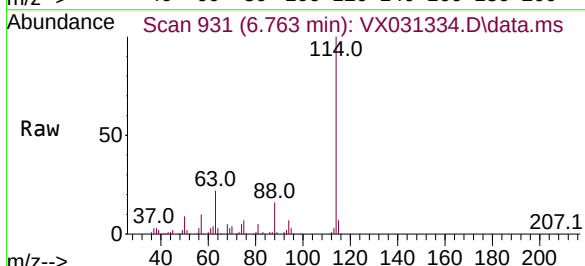
Tgt Ion: 114 Resp: 106462

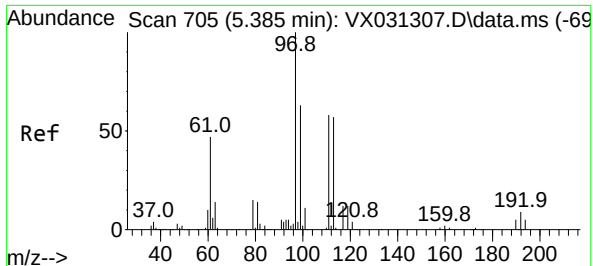
Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.6

88 15.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 38.853 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

Instrument :

MSVOA_X

ClientSampleId :

AUD-1667

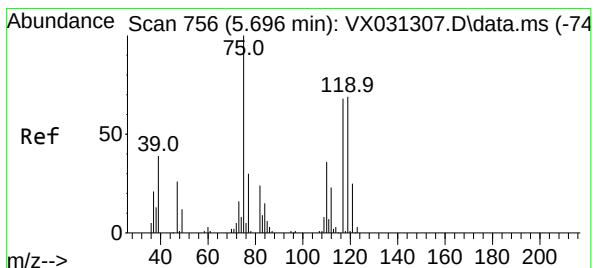
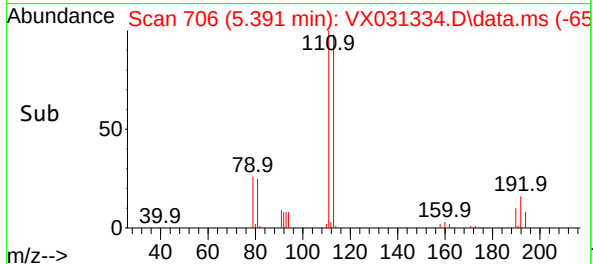
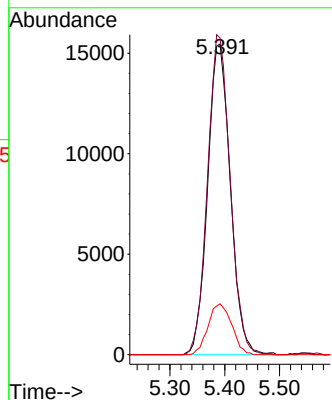
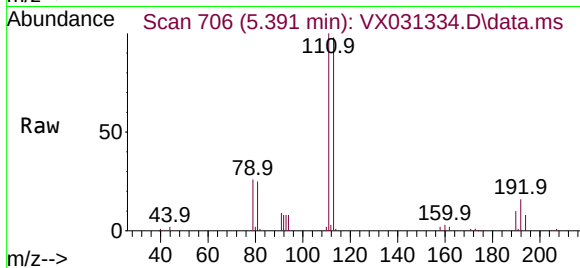
Tgt Ion:113 Resp: 44463

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 17.0 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.697 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

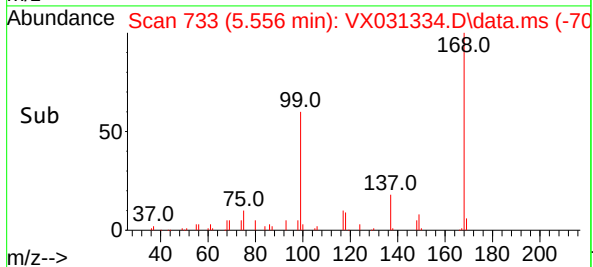
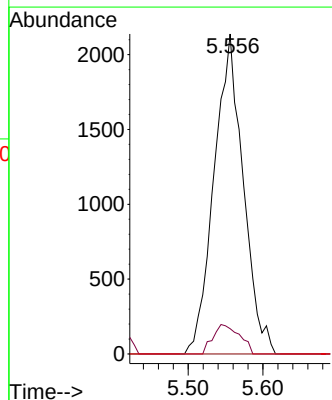
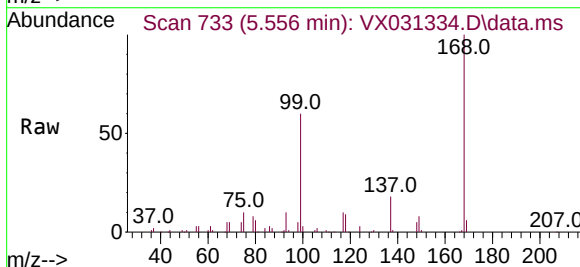
Tgt Ion: 75 Resp: 5791

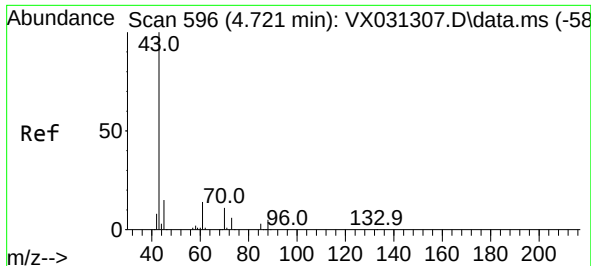
Ion Ratio Lower Upper

75 100

110 8.4 17.5 52.5#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.958 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

Instrument :

MSVOA_X

ClientSampleId :

AUD-1667

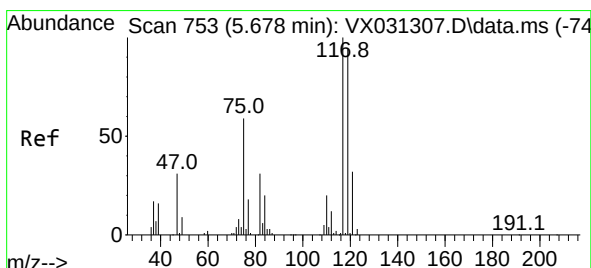
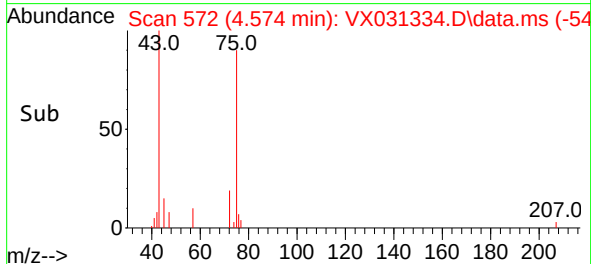
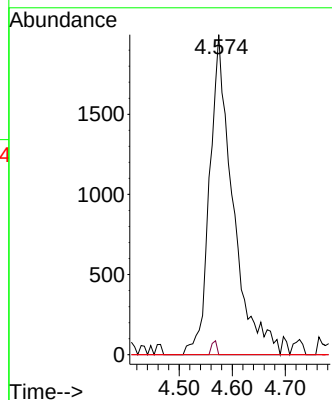
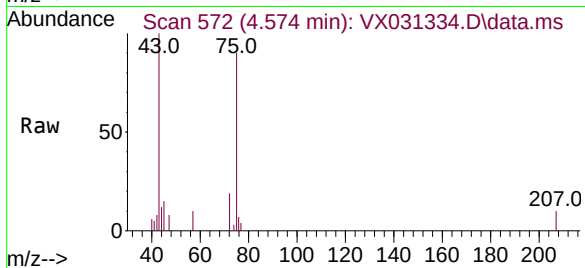
Tgt Ion: 43 Resp: 6088

Ion Ratio Lower Upper

43 100

61 0.9 11.1 16.7#

70 0.0 8.6 13.0#



#38

Carbon Tetrachloride

Concen: 3.743 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

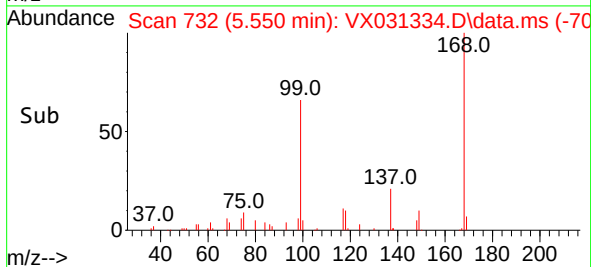
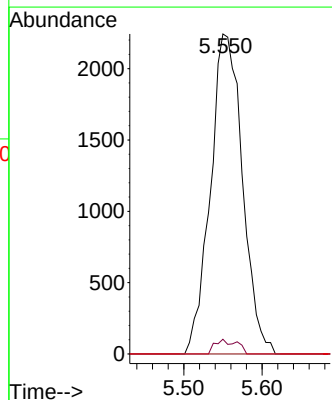
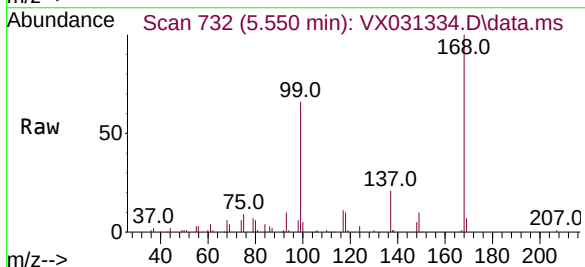
Tgt Ion: 117 Resp: 6373

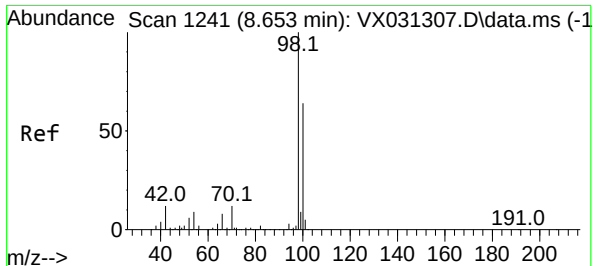
Ion Ratio Lower Upper

117 100

119 4.6 74.6 112.0#

121 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 40.340 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

Instrument :

MSVOA_X

ClientSampleId :

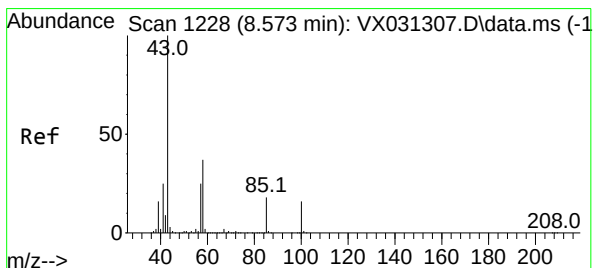
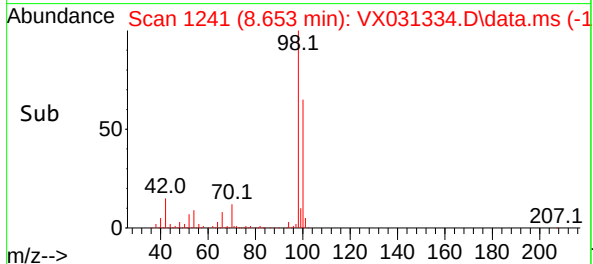
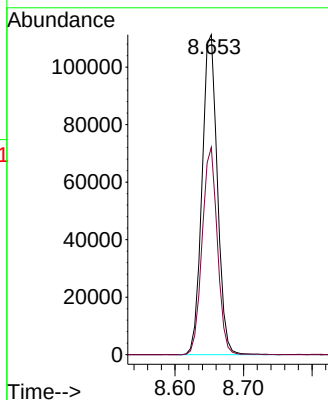
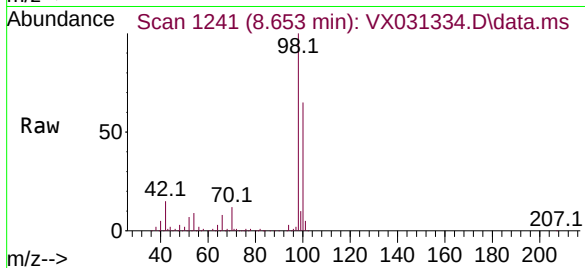
AUD-1667

Tgt Ion: 98 Resp: 173170

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 0.263 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX031334.D

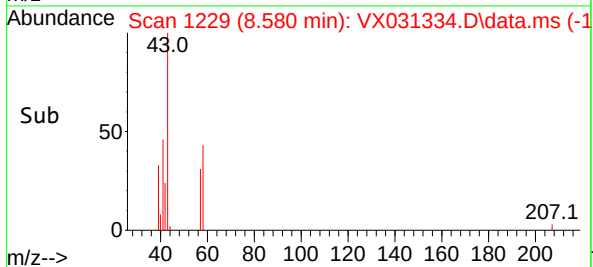
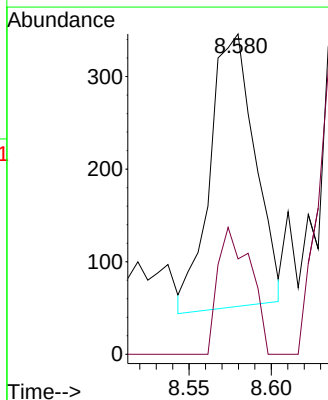
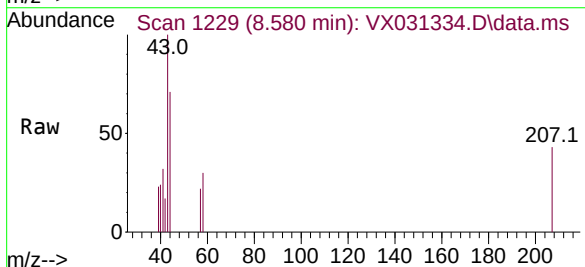
Acq: 15 Sep 2022 02:30

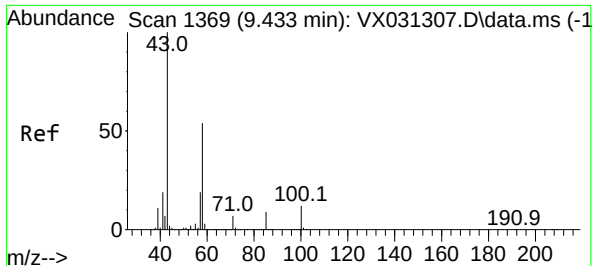
Tgt Ion: 43 Resp: 561

Ion Ratio Lower Upper

43 100

58 33.7 30.6 46.0





#59

2-Hexanone

Concen: 0.831 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

Instrument :

MSVOA_X

ClientSampleId :

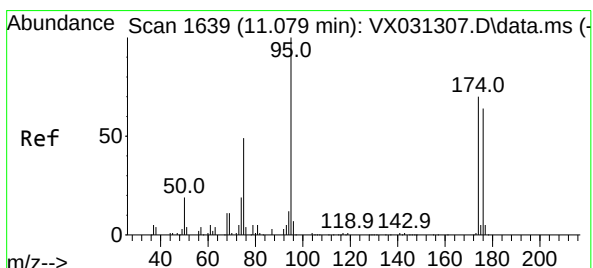
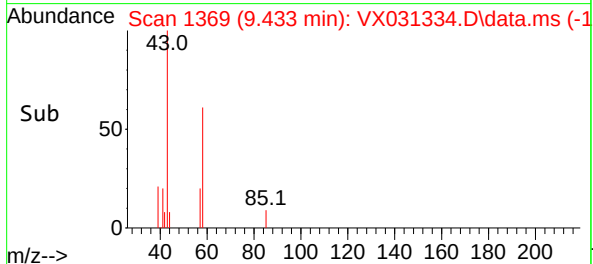
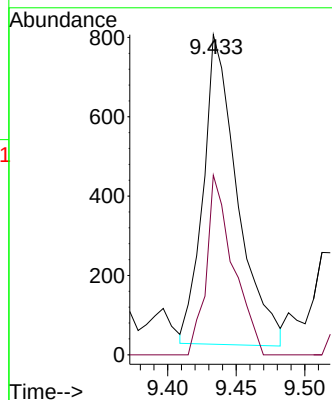
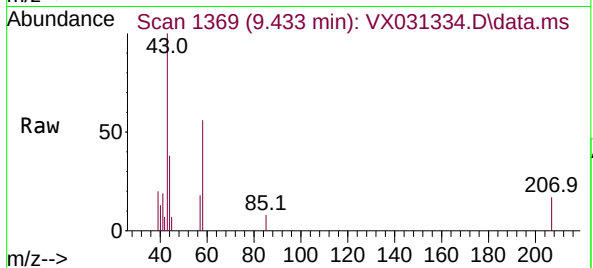
AUD-1667

Tgt Ion: 43 Resp: 1355

Ion Ratio Lower Upper

43 100

58 45.4 26.7 80.0



#62

4-Bromofluorobenzene

Concen: 37.193 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031334.D

Acq: 15 Sep 2022 02:30

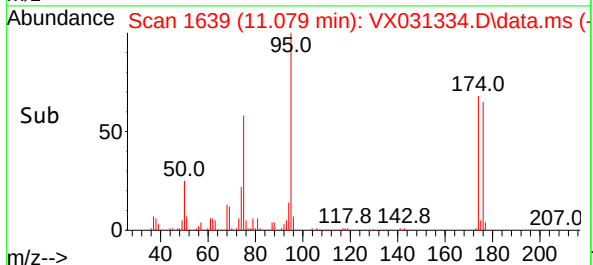
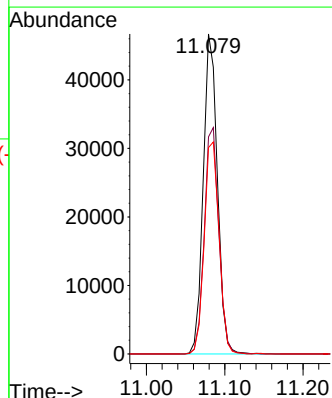
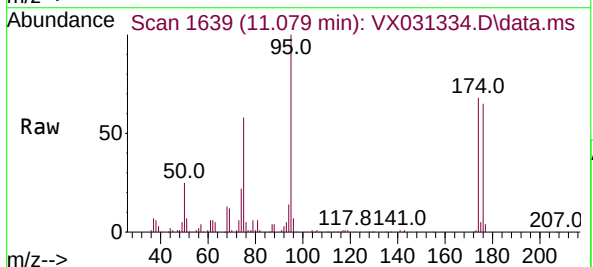
Tgt Ion: 95 Resp: 58466

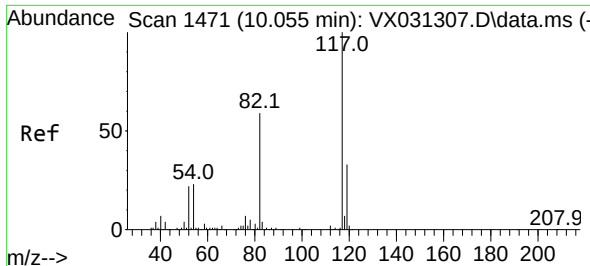
Ion Ratio Lower Upper

95 100

174 72.5 0.0 153.2

176 69.7 0.0 144.0

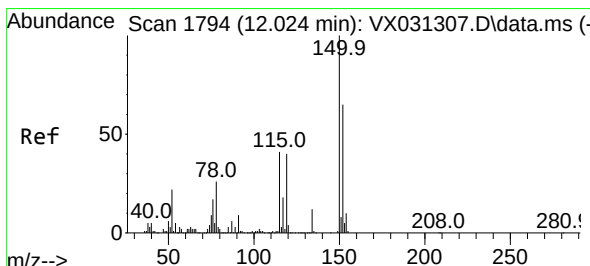
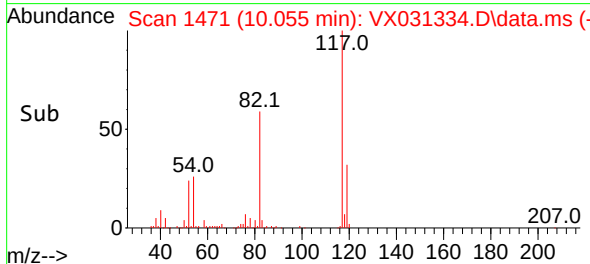
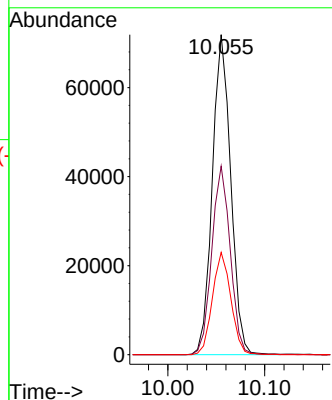
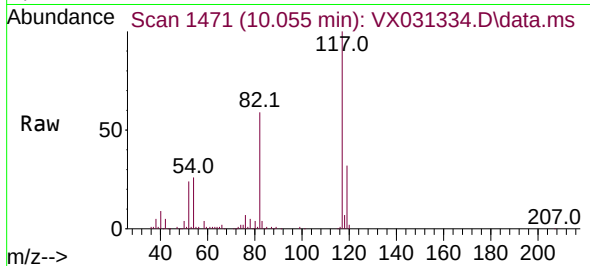




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

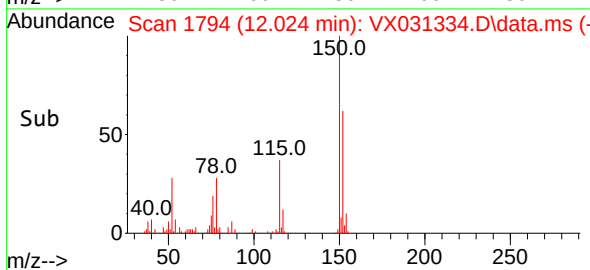
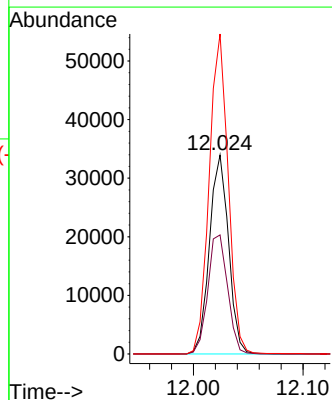
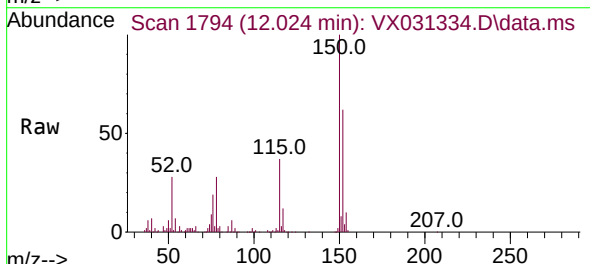
Instrument :
MSVOA_X
ClientSampleId :
AUD-1667

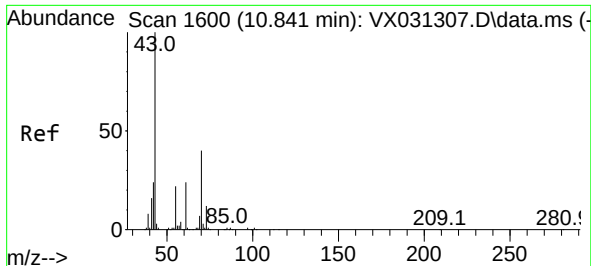
Tgt Ion:117 Resp: 95100
Ion Ratio Lower Upper
117 100
82 58.9 46.8 70.2
119 32.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

Tgt Ion:152 Resp: 41052
Ion Ratio Lower Upper
152 100
115 62.1 43.4 130.1
150 160.2 0.0 346.8

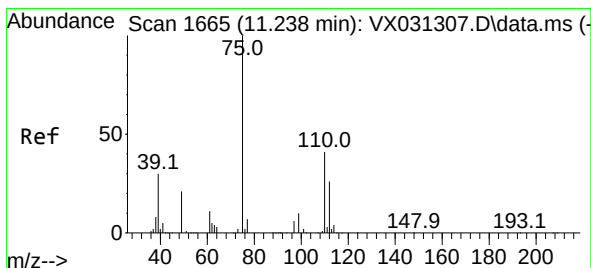
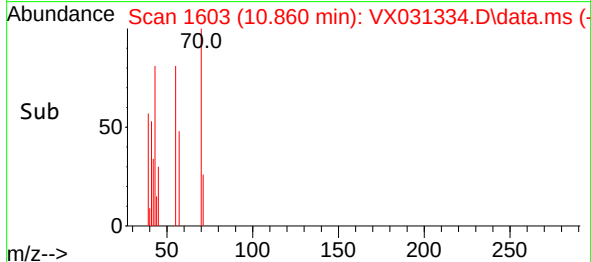
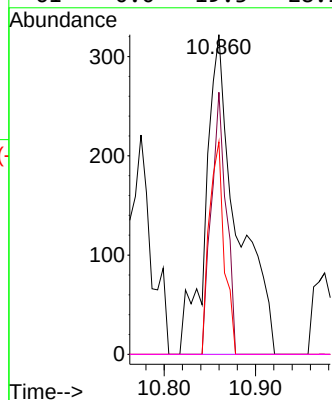
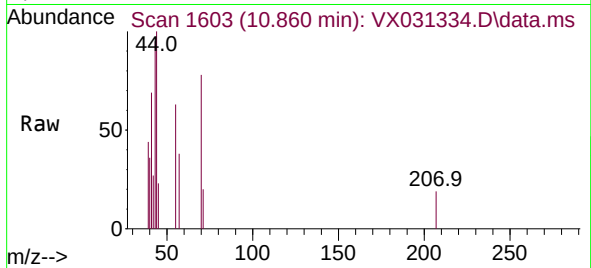




#74
N-amy1 acetate
Concen: 0.511 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

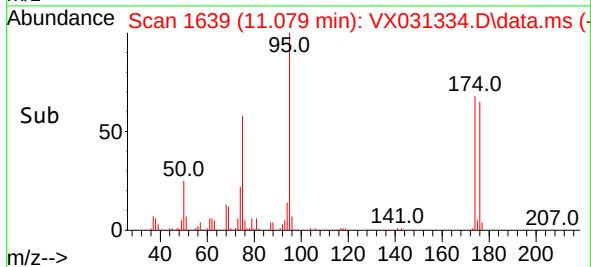
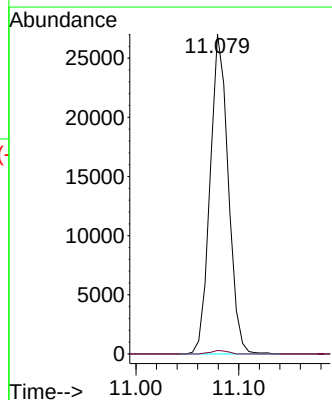
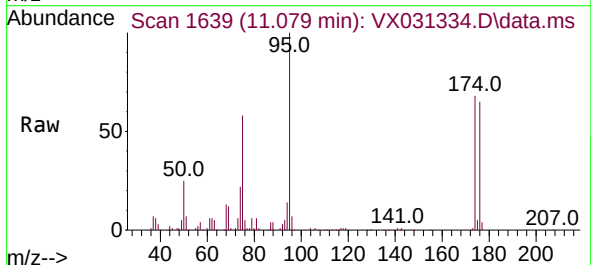
Instrument :
MSVOA_X
ClientSampleId :
AUD-1667

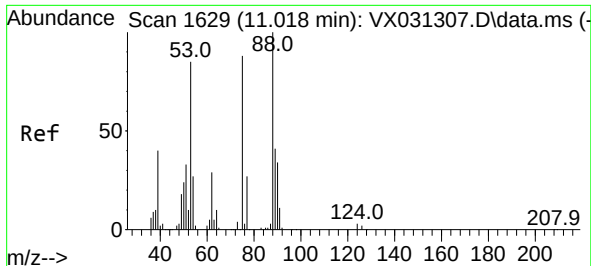
Tgt Ion: 43	Resp: 770
Ion Ratio	Lower Upper
43 100	
70 38.8	33.4 50.2
55 31.6	18.2 27.2#
61 0.0	19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 32.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

Tgt Ion: 75	Resp: 33245
Ion Ratio	Lower Upper
75 100	
77 1.0	20.3 60.9#

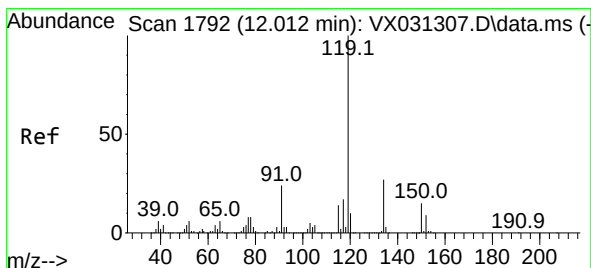
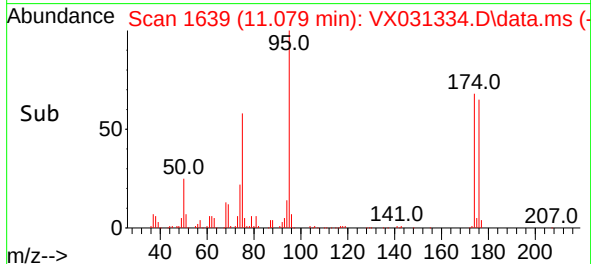
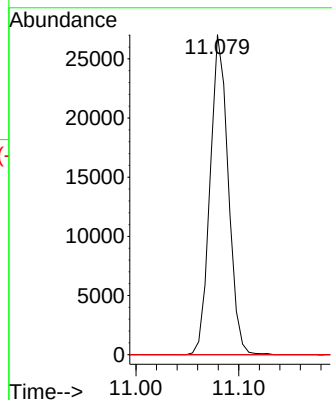
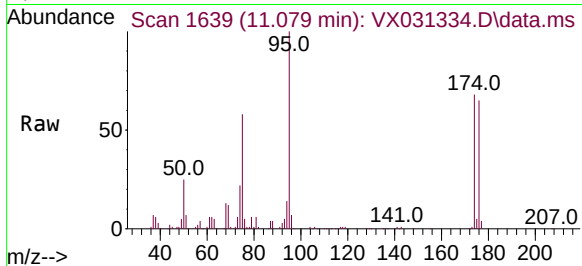




#81
trans-1,4-Dichloro-2-butene
Concen: 88.921 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

Instrument :
MSVOA_X
ClientSampleId :
AUD-1667

Tgt Ion: 75 Resp: 33245
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#



#86
p-Isopropyltoluene
Concen: 0.291 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX031334.D
Acq: 15 Sep 2022 02:30

Tgt Ion: 119 Resp: 755
Ion Ratio Lower Upper
119 100
134 20.5 13.4 40.2
91 33.2 12.4 37.2

