

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045956.D
 Acq On : 28 Apr 2025 15:03
 Operator : JC/MD
 Sample : Q1875-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-25-0053

Quant Time: Apr 29 01:34:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

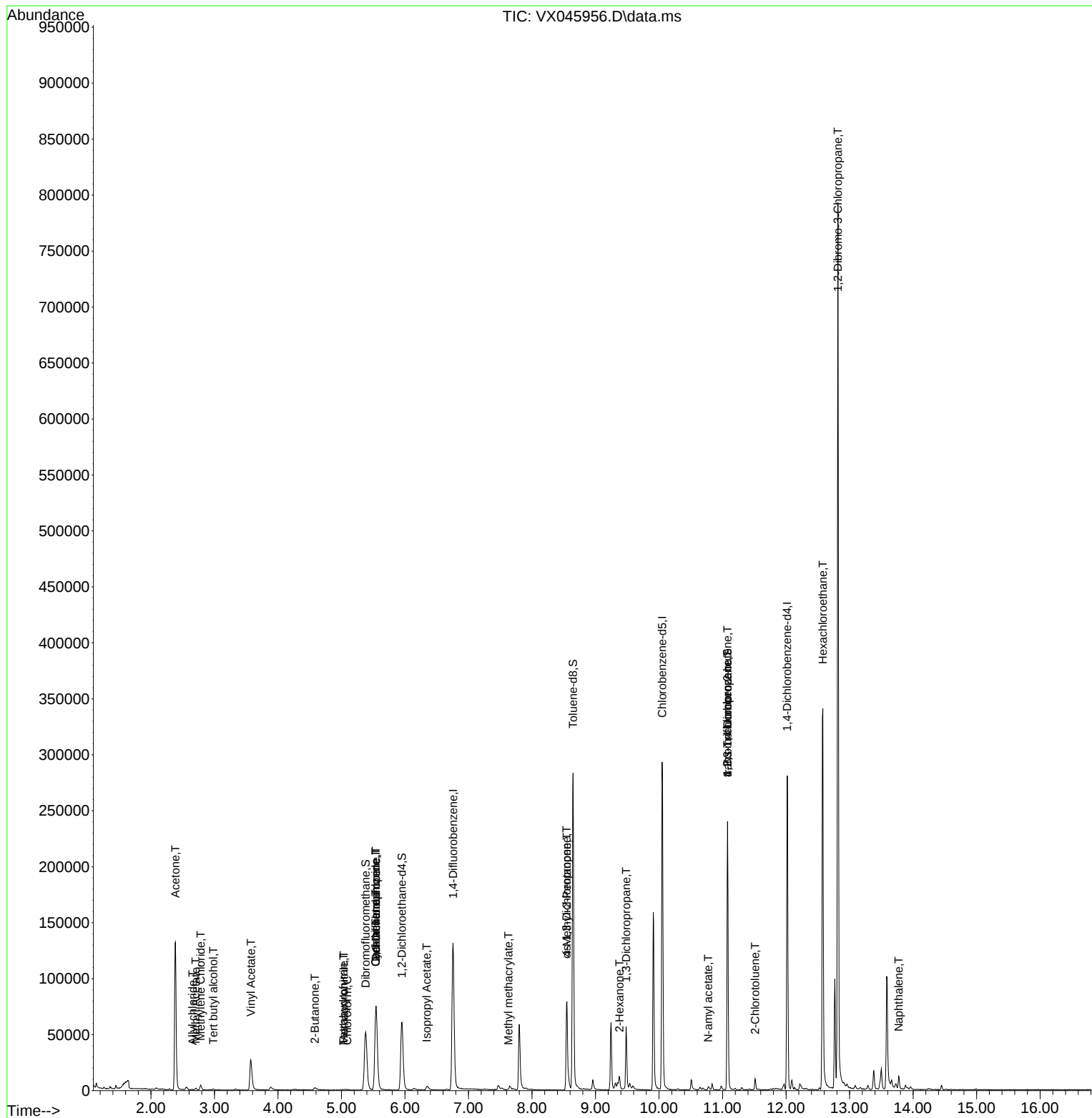
Internal Standards						
1) Pentafluorobenzene	5.544	168	63024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	125299	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51197	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63209	54.843	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.680%			
35) Dibromofluoromethane	5.379	113	45238	50.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.780%			
50) Toluene-d8	8.647	98	161618	52.085	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.180%			
62) 4-Bromofluorobenzene	11.079	95	60237	53.295	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.600%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.983	59	958	6.185	ug/l	98
14) Allyl chloride	2.654	41	384	0.267	ug/l #	21
16) Acetone	2.386	43	148993	314.818	ug/l	98
18) Methyl Acetate	2.703	43	2309	2.119	ug/l #	83
20) Methylene Chloride	2.782	84	2009	2.267	ug/l #	89
23) Vinyl Acetate	3.574	43	609	0.249	ug/l #	74
25) 2-Butanone	4.580	43	5009	7.230	ug/l	98
29) Tetrahydrofuran	5.031	42	223	0.497	ug/l #	35
30) Chloroform	5.092	83	337	0.205	ug/l #	82
31) Cyclohexane	5.537	56	1994	1.410	ug/l #	43
36) 1,1-Dichloropropene	5.544	75	6279	5.231	ug/l #	50
38) Carbon Tetrachloride	5.537	117	7667	5.910	ug/l #	15
41) Methacrylonitrile	5.038	41	326	0.408	ug/l #	49
43) Isopropyl Acetate	6.342	43	5597	2.441	ug/l #	92
48) Methyl methacrylate	7.629	41	468	0.395	ug/l #	51
51) 4-Methyl-2-Pentanone	8.549	43	34551	22.733	ug/l #	48
54) cis-1,3-Dichloropropene	8.543	75	12138	9.211	ug/l #	72
57) 1,3-Dichloropropane	9.482	76	438	0.285	ug/l #	42
59) 2-Hexanone	9.378	43	10021	8.904	ug/l #	28
74) N-amyl acetate	10.774	43	2372	1.209	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	35570	28.483	ug/l #	37
79) 2-Chlorotoluene	11.512	91	647	0.214	ug/l #	43
81) trans-1,4-Dichloro-2-b...	11.079	75	35570	96.668	ug/l #	1
90) Hexachloroethane	12.579	117	131	0.224	ug/l #	19
92) 1,2-Dibromo-3-Chloropr...	12.817	75	838	2.781	ug/l #	9
95) Naphthalene	13.774	128	6772	1.906	ug/l	98

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

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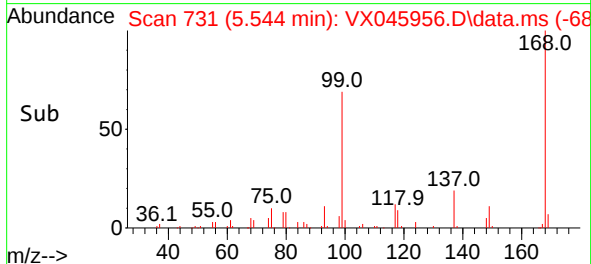
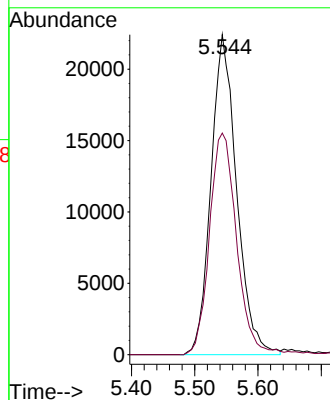
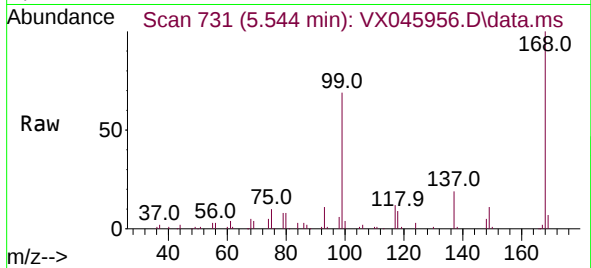




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

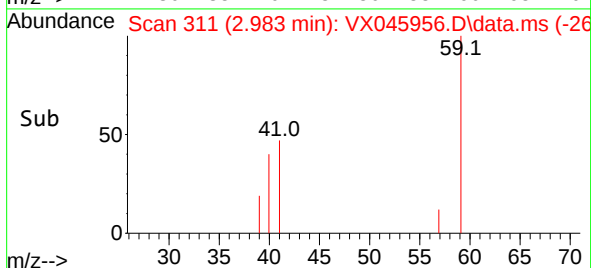
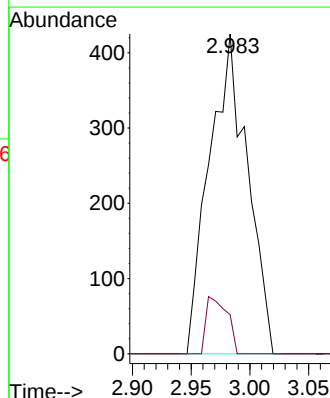
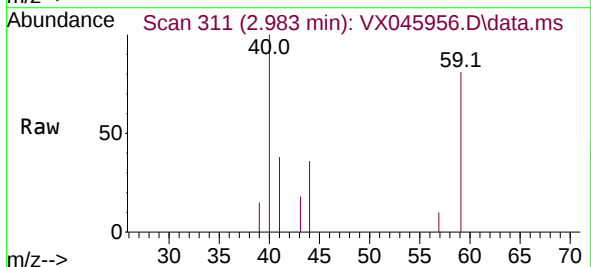
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

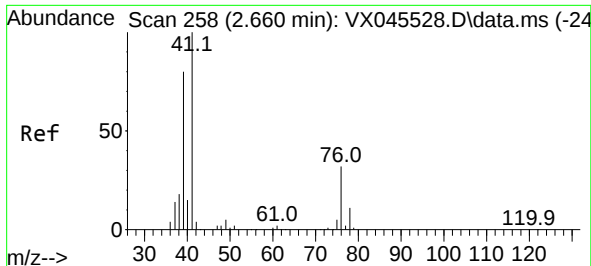
Tgt Ion:168 Resp: 63024
Ion Ratio Lower Upper
168 100
99 69.3 52.3 78.5



#11
Tert butyl alcohol
Concen: 6.185 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 59 Resp: 958
Ion Ratio Lower Upper
59 100
57 9.8 8.6 12.8

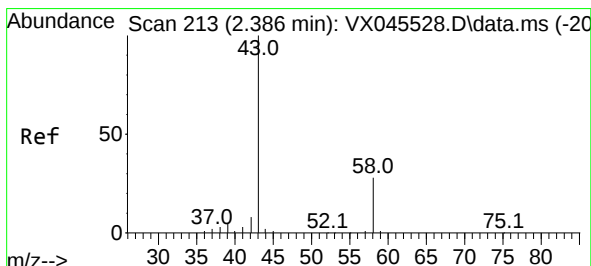
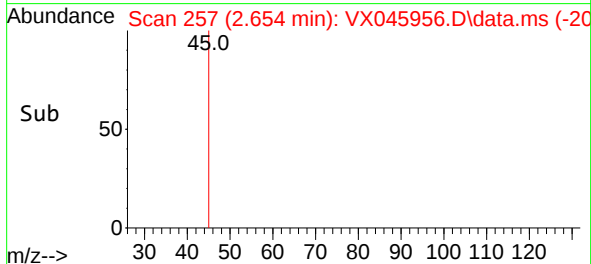
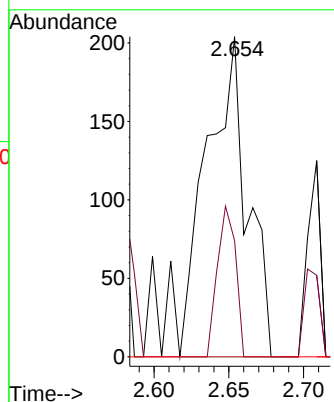
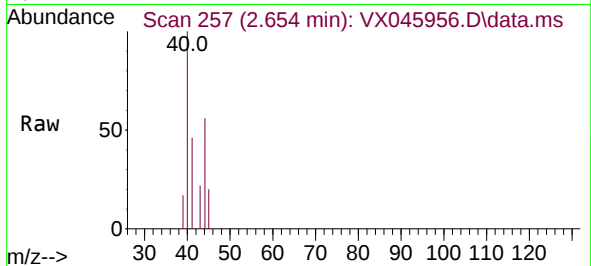




#14
 Allyl chloride
 Concen: 0.267 ug/l
 RT: 2.654 min Scan# 213
 Delta R.T. -0.006 min
 Lab File: VX045956.D
 Acq: 28 Apr 2025 15:03

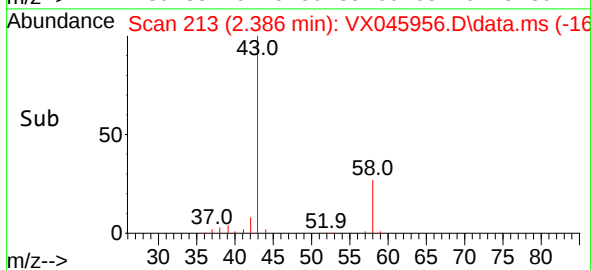
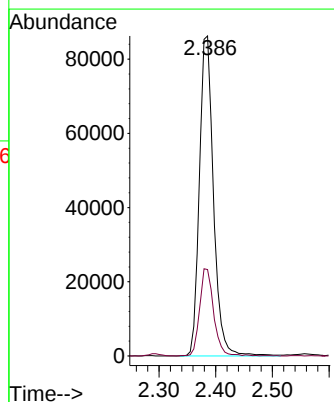
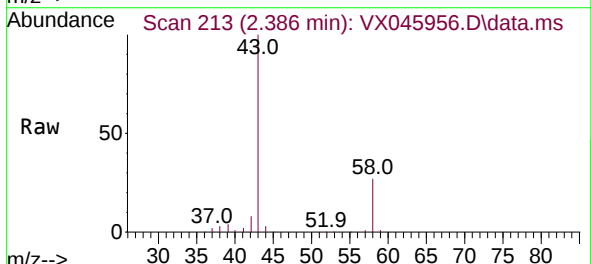
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-25-0053

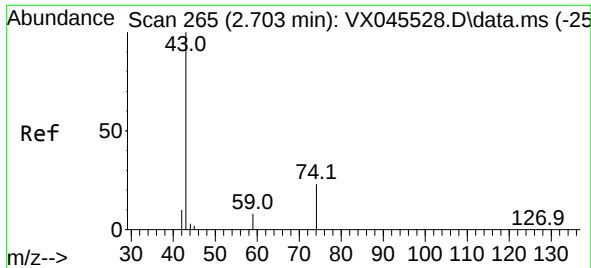
Tgt Ion: 41 Resp: 384
 Ion Ratio Lower Upper
 41 100
 39 0.0 60.2 90.2#
 76 0.0 24.6 36.8#



#16
 Acetone
 Concen: 314.818 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045956.D
 Acq: 28 Apr 2025 15:03

Tgt Ion: 43 Resp: 148993
 Ion Ratio Lower Upper
 43 100
 58 27.0 22.3 33.5

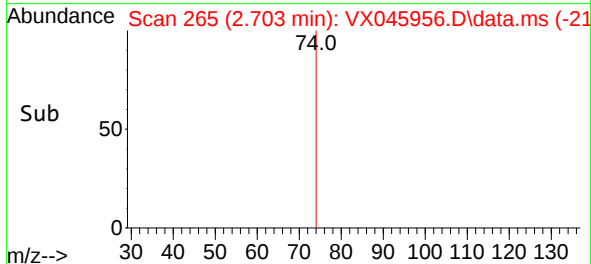
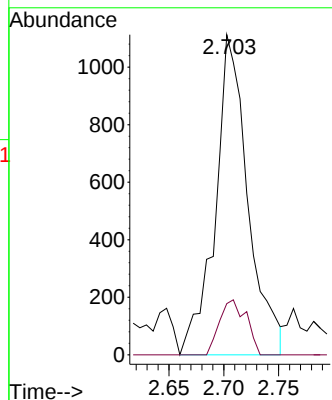
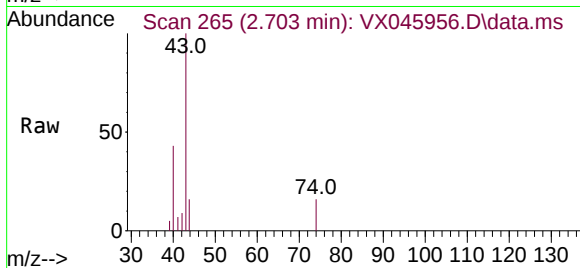




#18
Methyl Acetate
Concen: 2.119 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

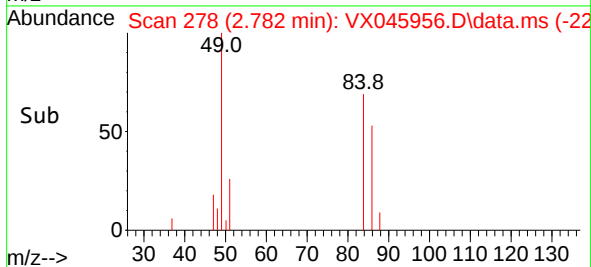
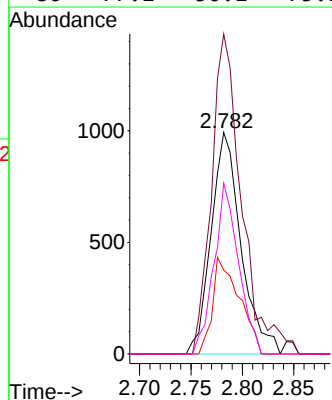
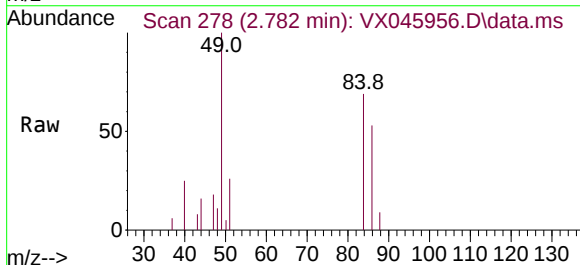
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

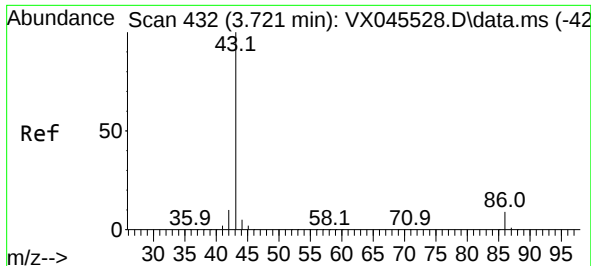
Tgt Ion: 43 Resp: 2309
Ion Ratio Lower Upper
43 100
74 14.0 17.5 26.3#



#20
Methylene Chloride
Concen: 2.267 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 84 Resp: 2009
Ion Ratio Lower Upper
84 100
49 144.6 107.5 161.3
51 37.9 33.0 49.6
86 77.1 50.1 75.1#

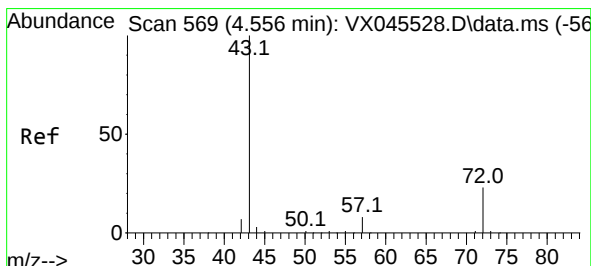
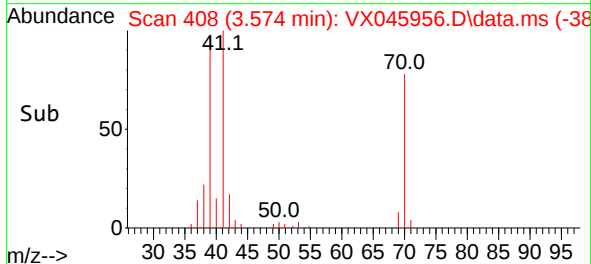
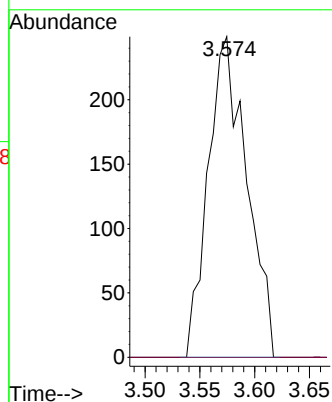
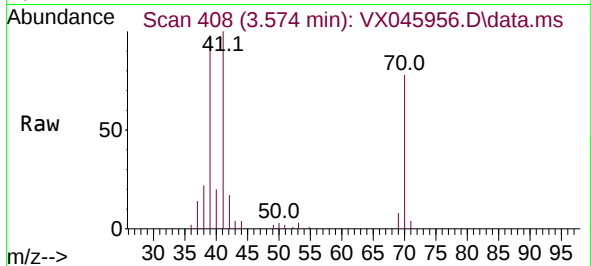




#23
 Vinyl Acetate
 Concen: 0.249 ug/l
 RT: 3.574 min Scan# 408
 Delta R.T. -0.146 min
 Lab File: VX045956.D
 Acq: 28 Apr 2025 15:03

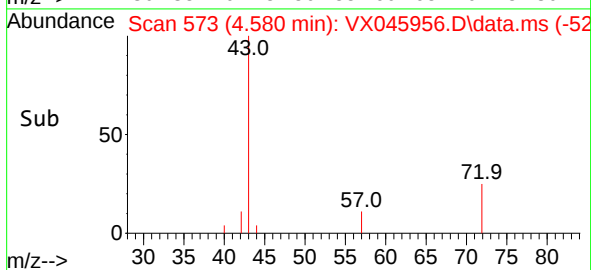
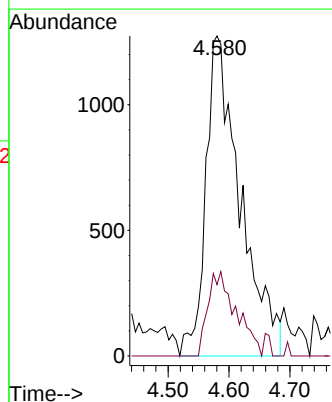
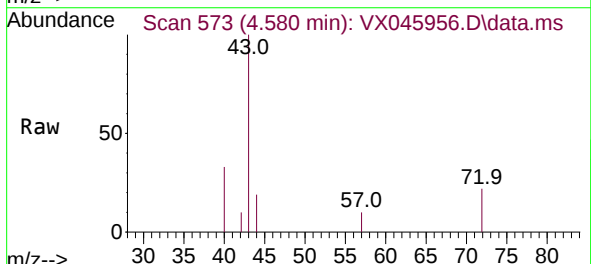
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-25-0053

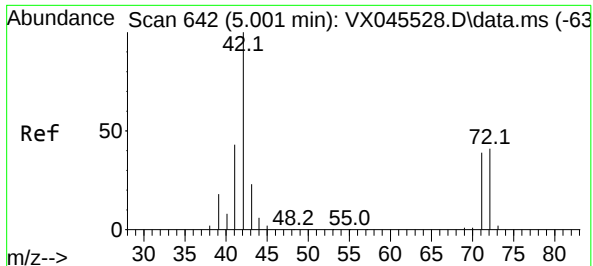
Tgt Ion: 43 Resp: 609
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#25
 2-Butanone
 Concen: 7.230 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.024 min
 Lab File: VX045956.D
 Acq: 28 Apr 2025 15:03

Tgt Ion: 43 Resp: 5009
 Ion Ratio Lower Upper
 43 100
 72 22.3 18.6 28.0





#29

Tetrahydrofuran

Concen: 0.497 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.030 min

Lab File: VX045956.D

Acq: 28 Apr 2025 15:03

Instrument :

MSVOA_X

ClientSampleId :

AUD-25-0053

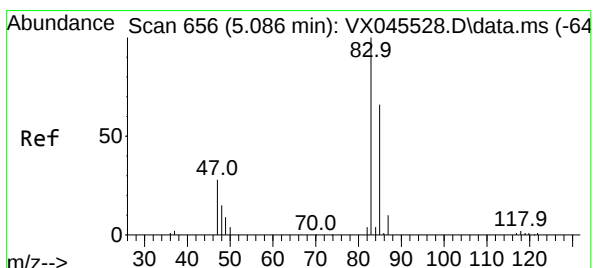
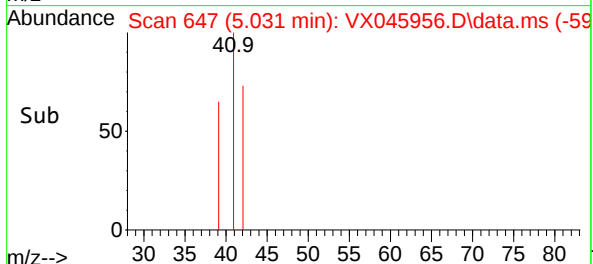
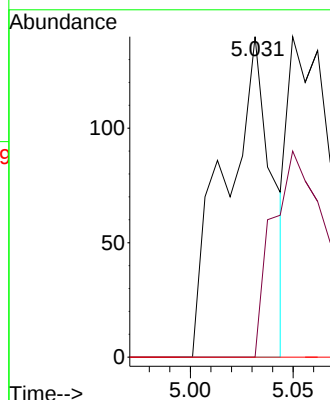
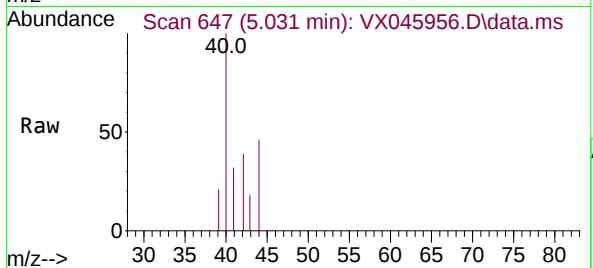
Tgt Ion: 42 Resp: 223

Ion Ratio Lower Upper

42 100

72 0.0 33.4 50.0#

71 0.0 31.4 47.0#



#30

Chloroform

Concen: 0.205 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX045956.D

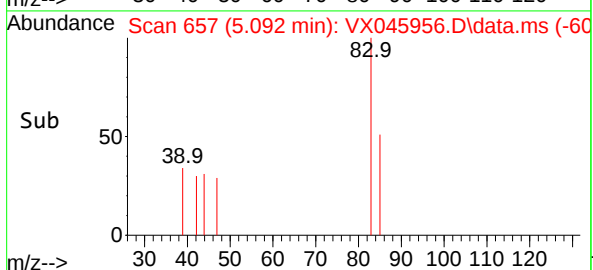
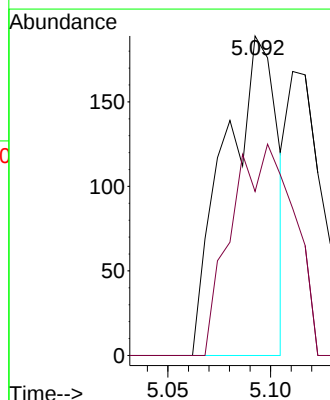
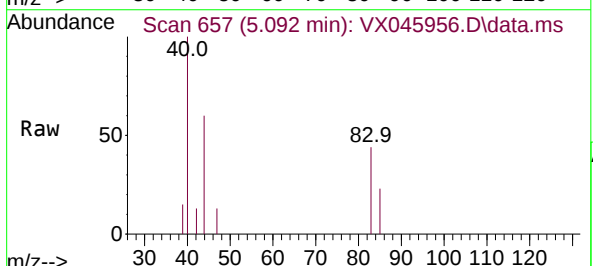
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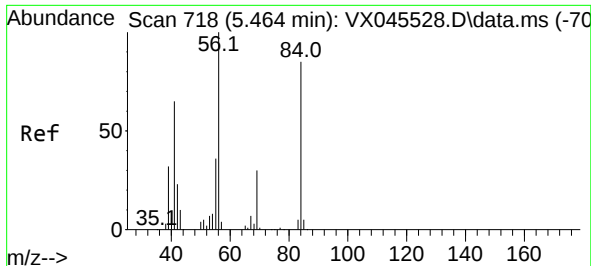
Tgt Ion: 83 Resp: 337

Ion Ratio Lower Upper

83 100

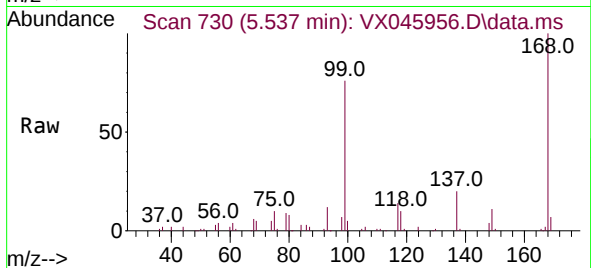
85 51.3 52.8 79.2#



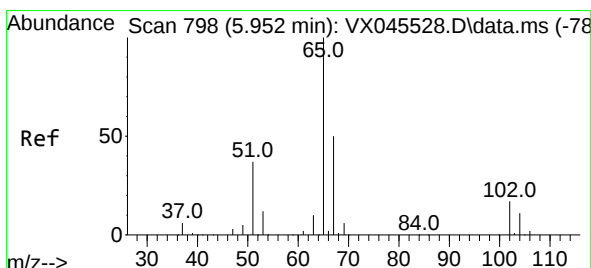
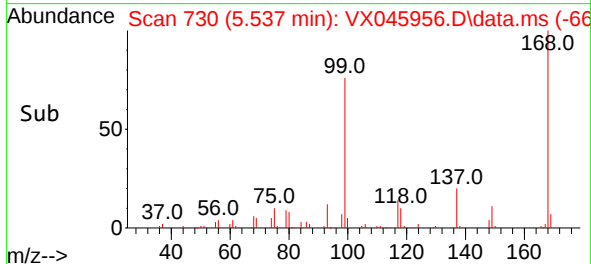
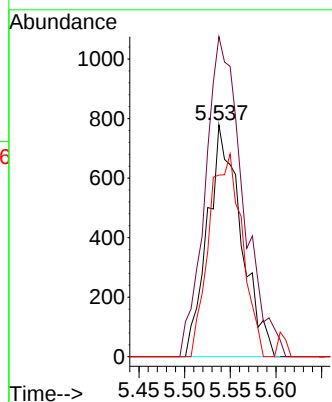


#31
Cyclohexane
Concen: 1.410 ug/l
RT: 5.537 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Instrument :
MSVOA_X
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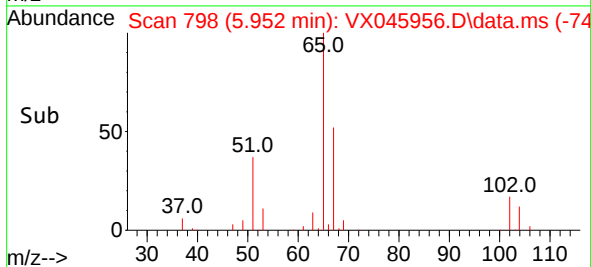
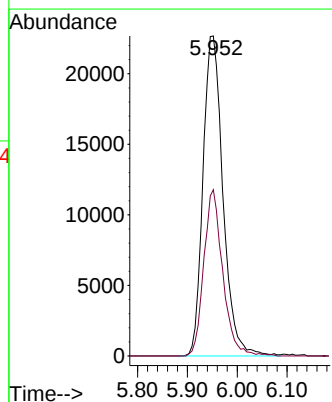
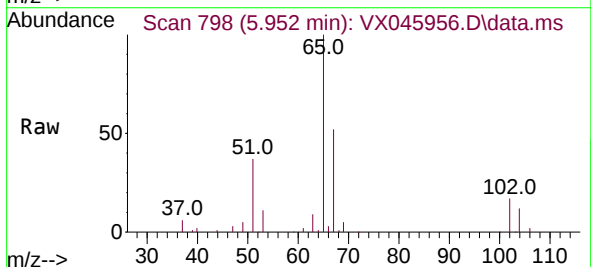


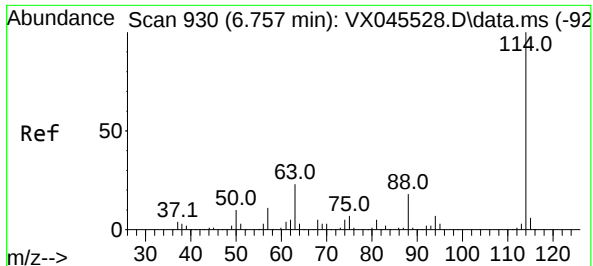
Tgt Ion: 56 Resp: 1994
Ion Ratio Lower Upper
56 100
69 138.0 23.6 35.4#
84 78.3 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.843 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 65 Resp: 63209
Ion Ratio Lower Upper
65 100
67 49.3 0.0 99.0

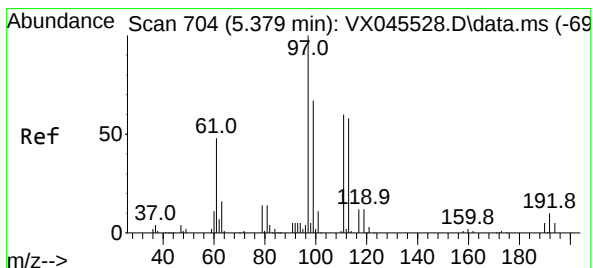
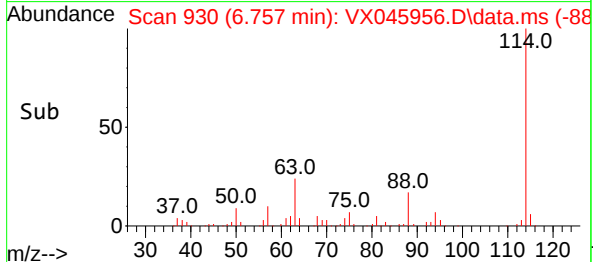
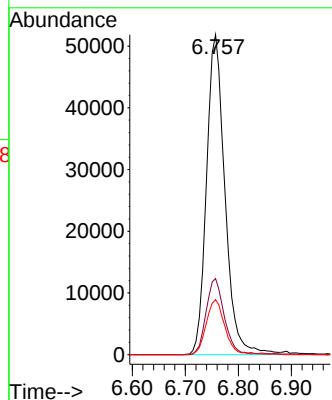
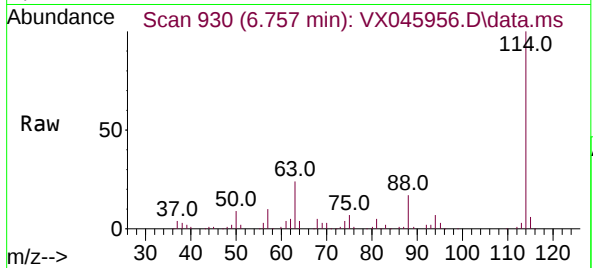




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

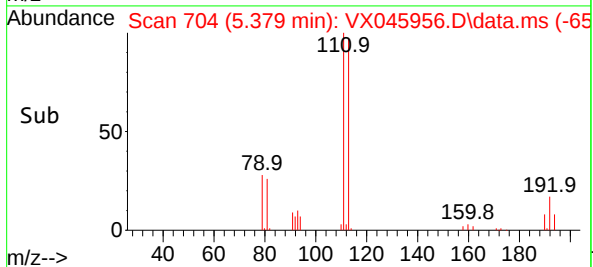
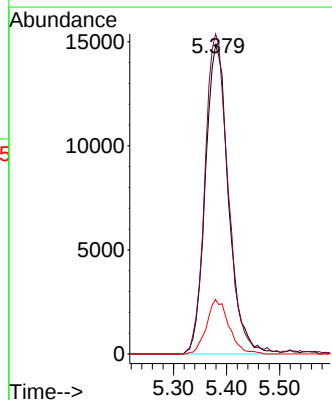
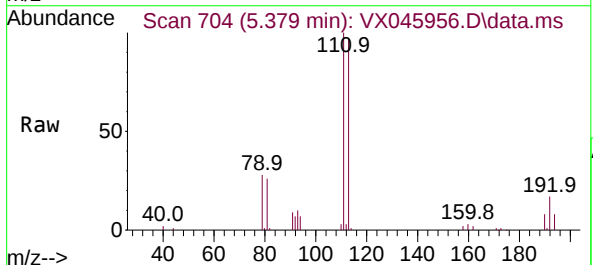
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

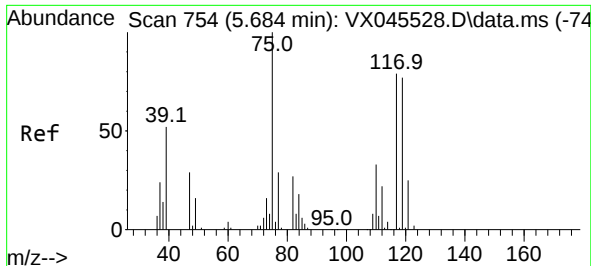
Tgt Ion:114 Resp: 125299
Ion Ratio Lower Upper
114 100
63 23.8 0.0 46.8
88 17.2 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.887 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion:113 Resp: 45238
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.6
192 17.0 13.8 20.6

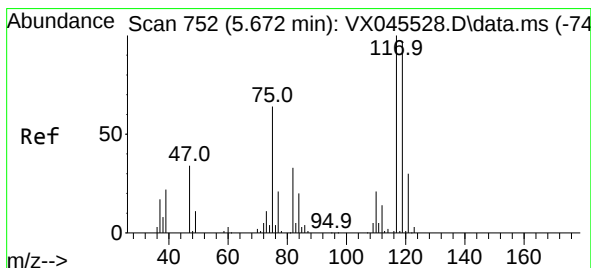
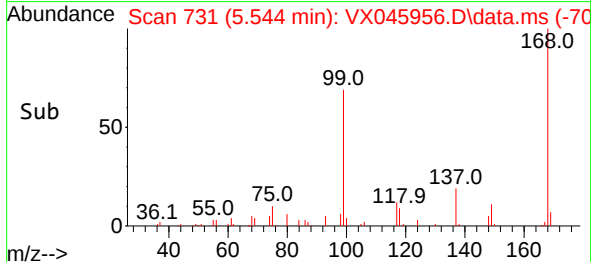
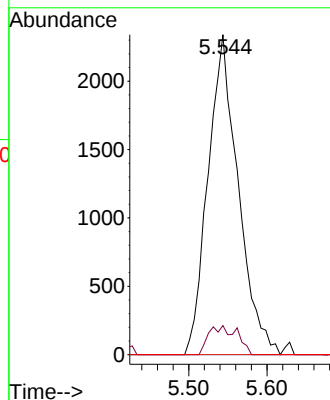
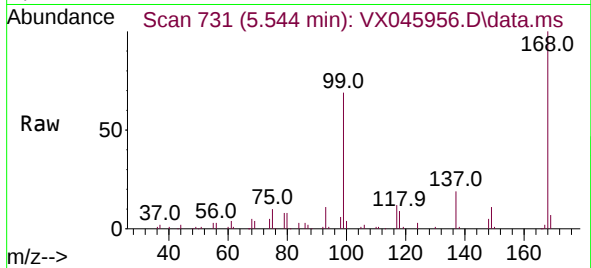




#36
1,1-Dichloropropene
Concen: 5.231 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

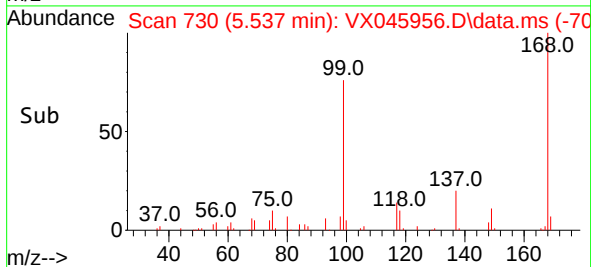
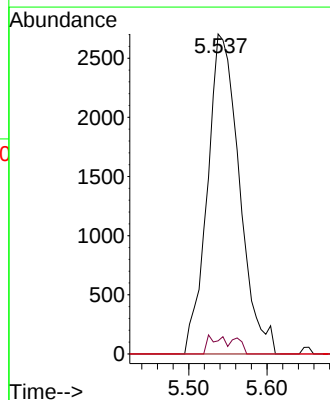
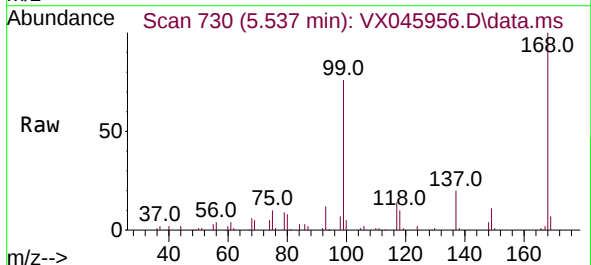
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

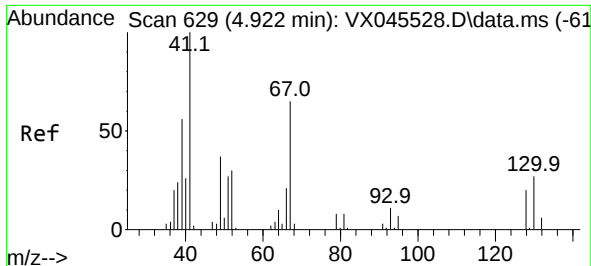
Tgt Ion: 75 Resp: 6279
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.910 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 117 Resp: 7667
Ion Ratio Lower Upper
117 100
119 4.1 76.9 115.3#
121 0.0 24.2 36.2#

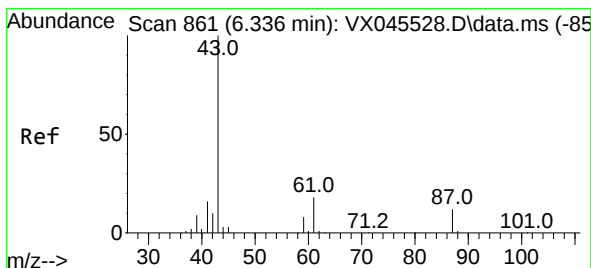
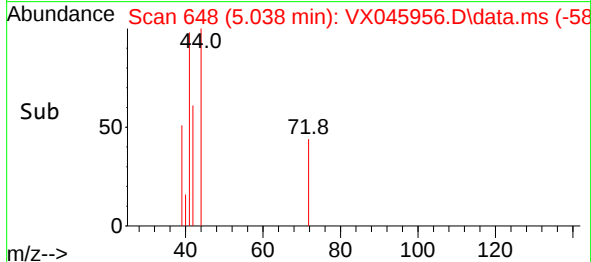
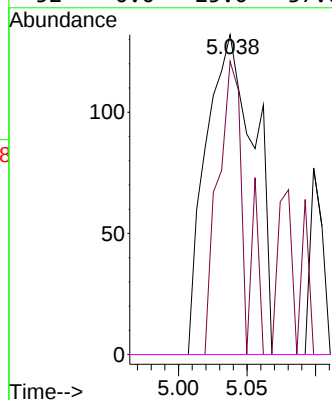
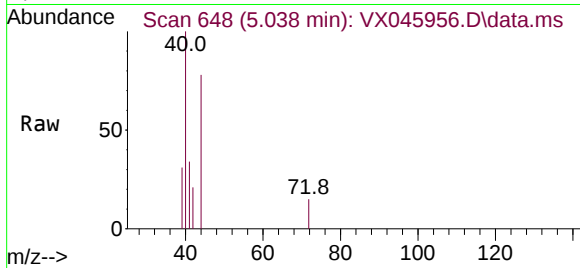




#41
Methacrylonitrile
Concen: 0.408 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.116 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

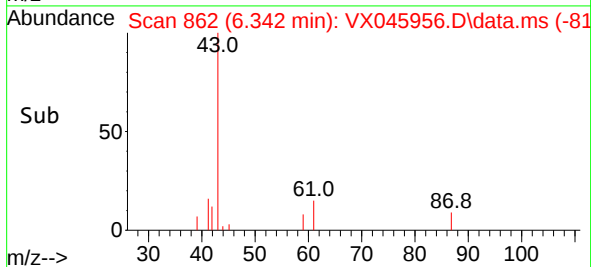
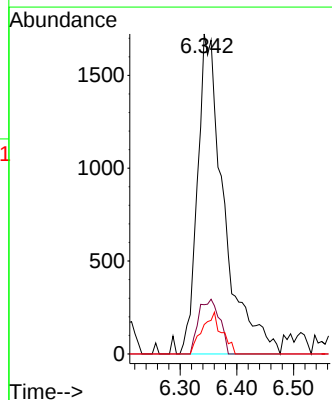
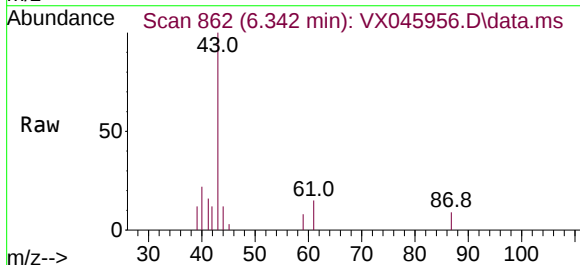
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

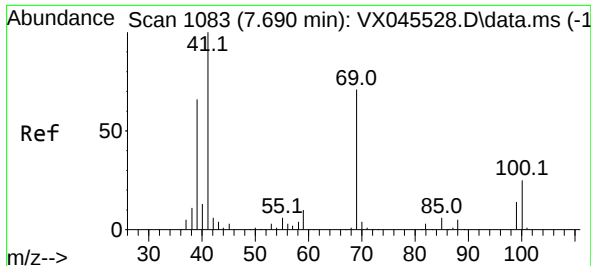
Tgt Ion:	41	Resp:	326
Ion	Ratio	Lower	Upper
41	100		
39	50.0	47.0	70.6
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#



#43
Isopropyl Acetate
Concen: 2.441 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion:	43	Resp:	5597
Ion	Ratio	Lower	Upper
43	100		
61	13.6	14.1	21.1#
87	9.6	9.2	13.8

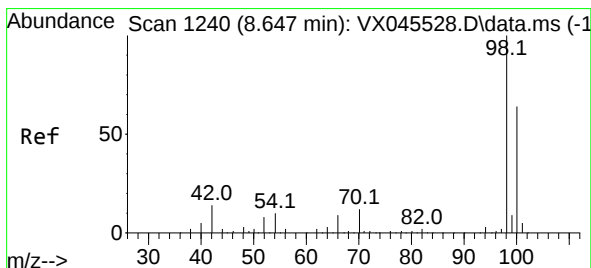
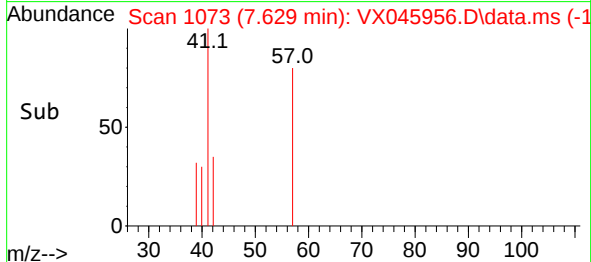
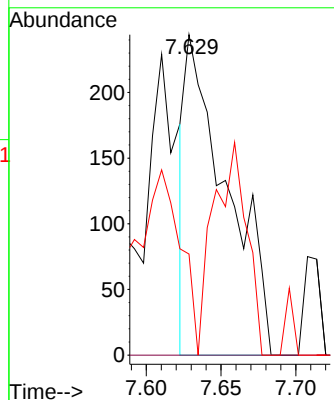
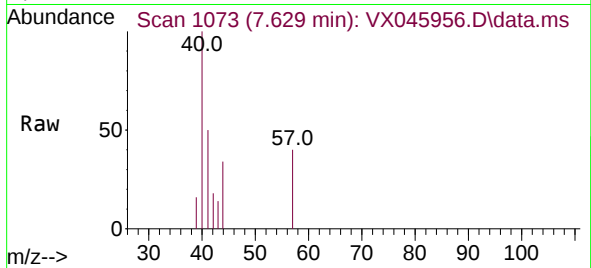




#48
Methyl methacrylate
Concen: 0.395 ug/l
RT: 7.629 min Scan# 1083
Delta R.T. -0.061 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

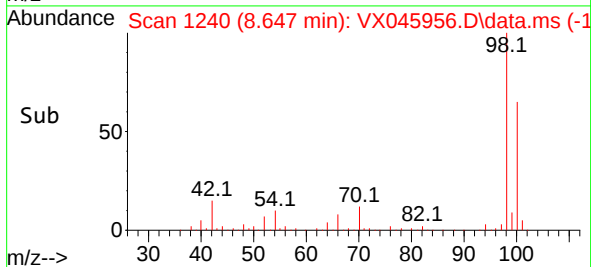
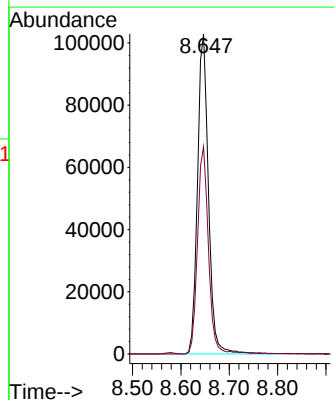
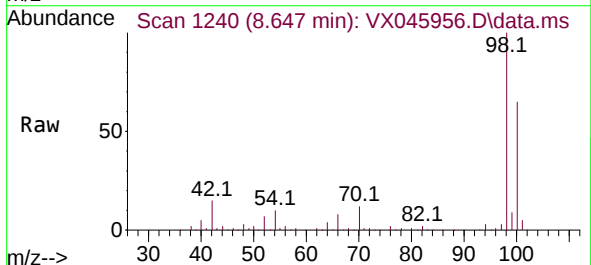
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

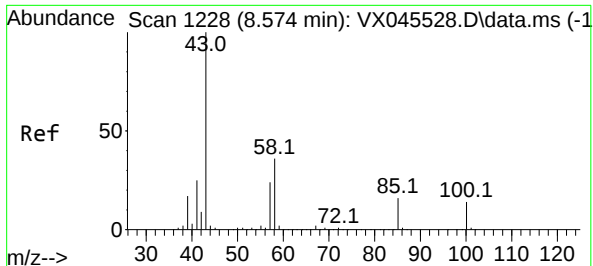
Tgt Ion: 41 Resp: 468
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 60.9 53.6 80.4



#50
Toluene-d8
Concen: 52.085 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 98 Resp: 161618
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.4

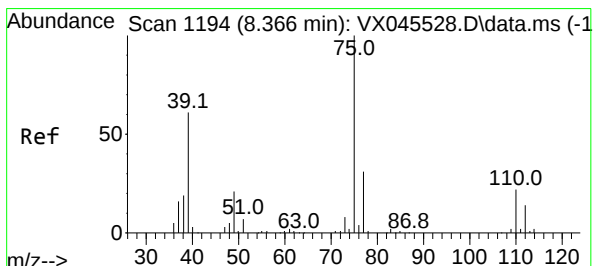
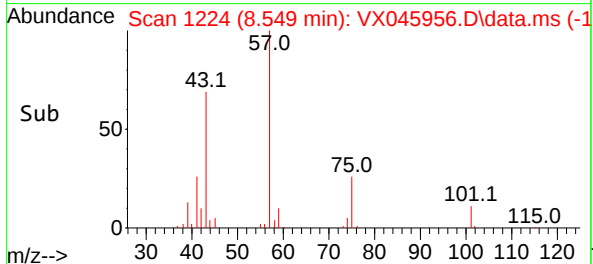
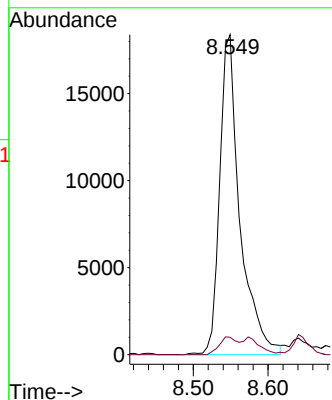
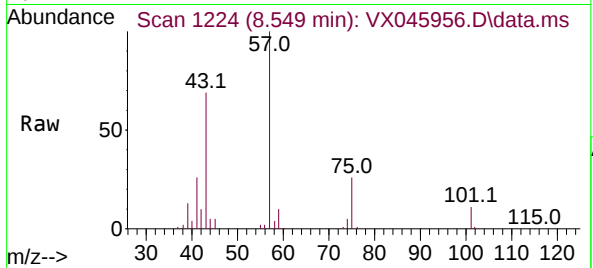




#51
4-Methyl-2-Pentanone
Concen: 22.733 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

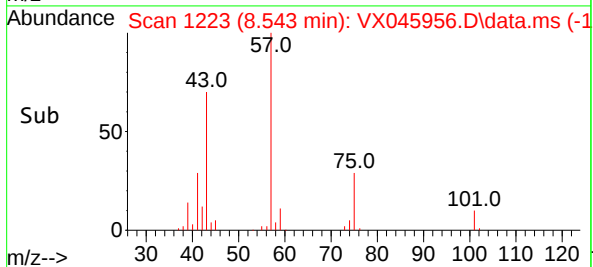
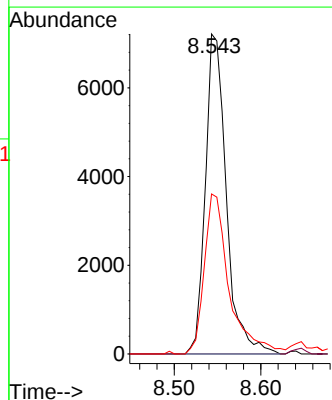
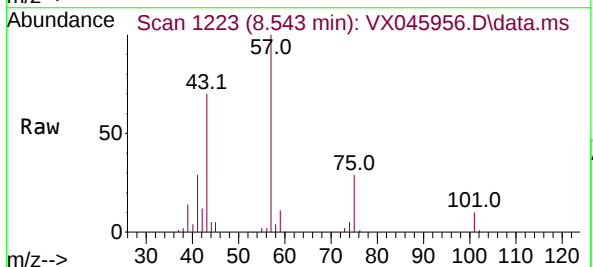
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

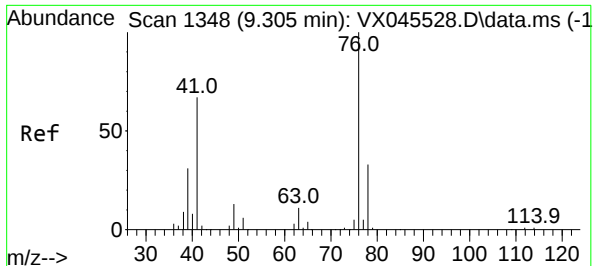
Tgt Ion: 43 Resp: 34551
Ion Ratio Lower Upper
43 100
58 5.0 28.5 42.7#



#54
cis-1,3-Dichloropropene
Concen: 9.211 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. 0.177 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 75 Resp: 12138
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 50.0 48.4 72.6





#57

1,3-Dichloropropane

Concen: 0.285 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX045956.D

Acq: 28 Apr 2025 15:03

Instrument :

MSVOA_X

ClientSampleId :

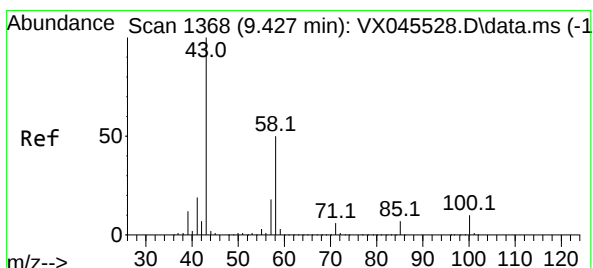
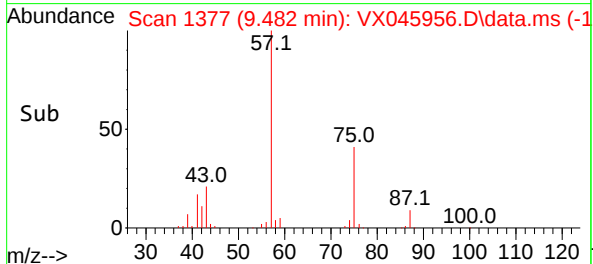
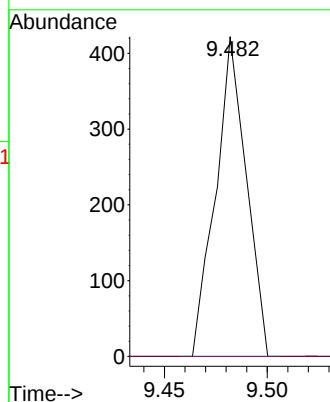
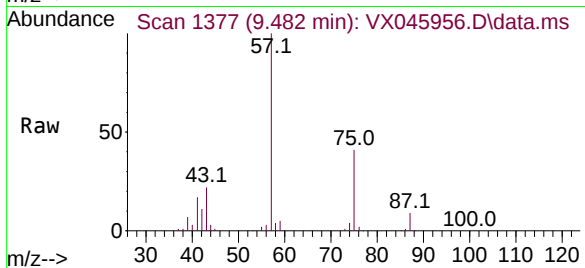
AUD-25-0053

Tgt Ion: 76 Resp: 438

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 8.904 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX045956.D

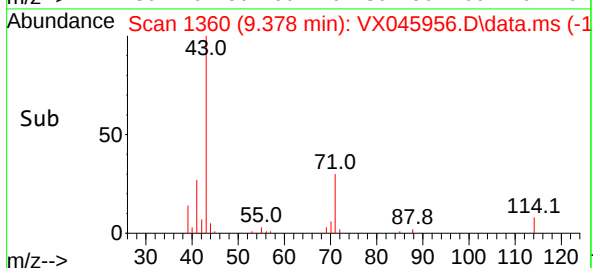
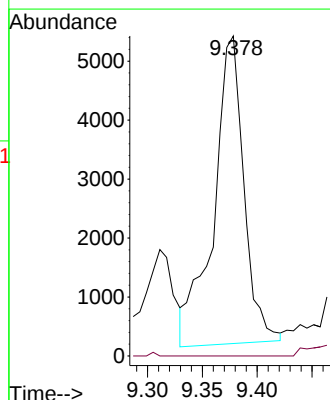
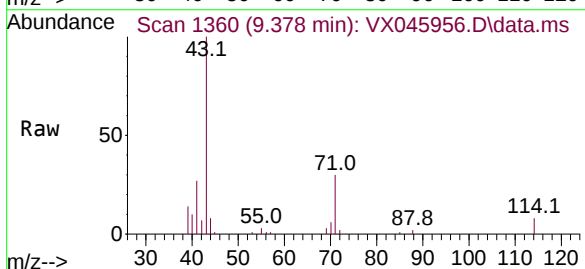
Acq: 28 Apr 2025 15:03

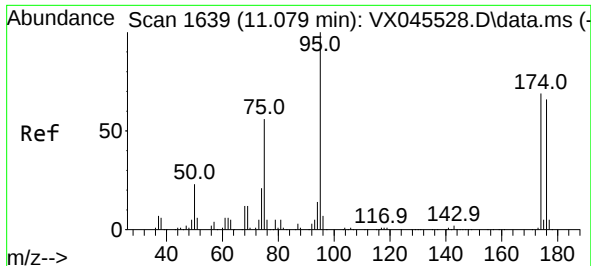
Tgt Ion: 43 Resp: 10021

Ion Ratio Lower Upper

43 100

58 0.0 24.9 74.6#

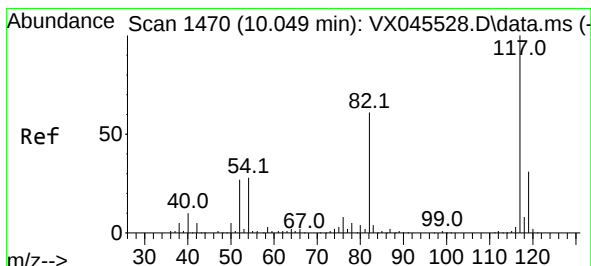
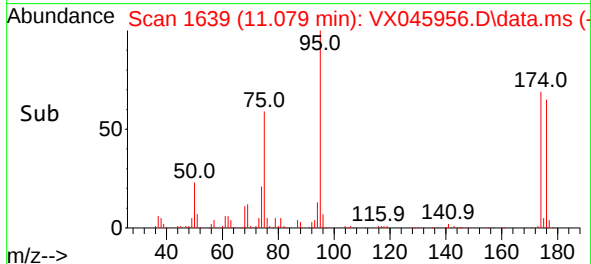
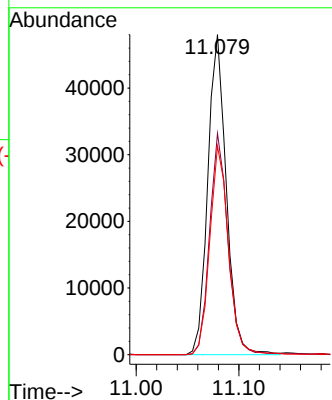
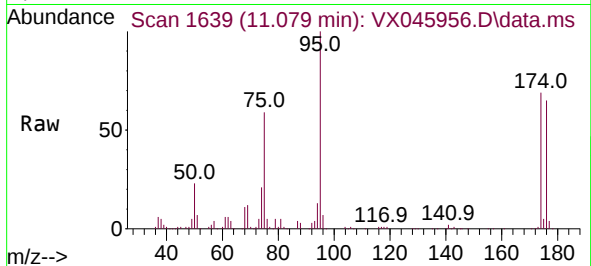




#62
4-Bromofluorobenzene
Concen: 53.295 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

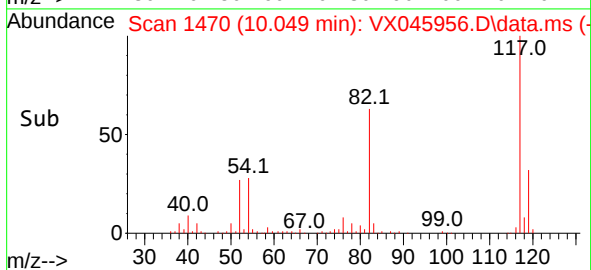
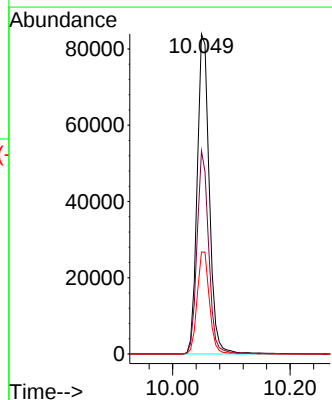
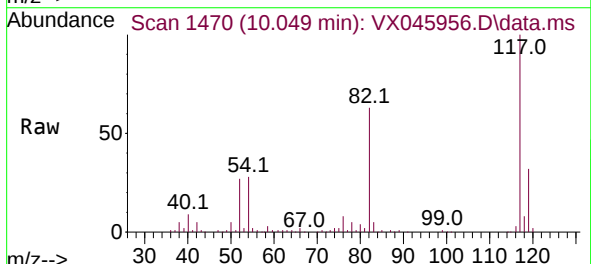
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

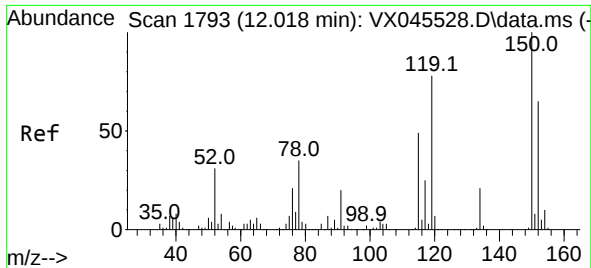
Tgt Ion: 95 Resp: 60237
Ion Ratio Lower Upper
95 100
174 68.6 0.0 135.8
176 65.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 117 Resp: 120166
Ion Ratio Lower Upper
117 100
82 63.5 49.2 73.8
119 31.8 25.1 37.7

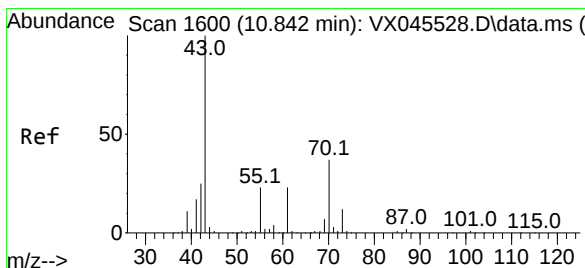
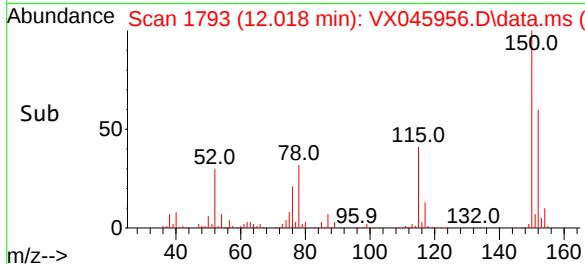
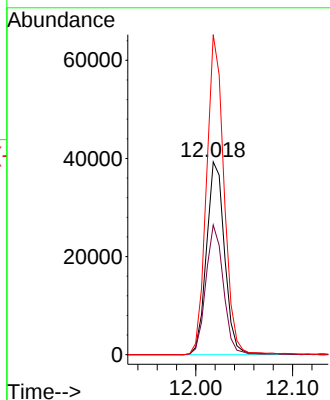
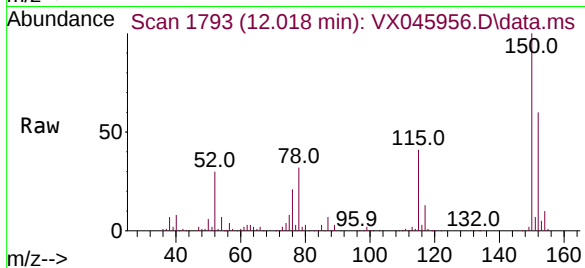




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

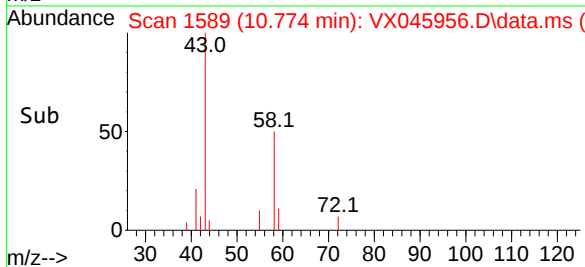
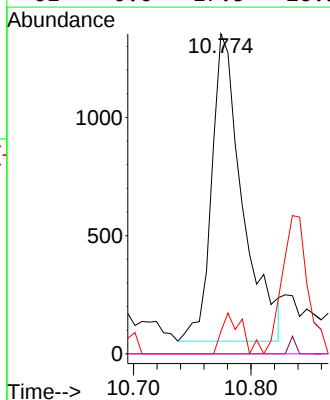
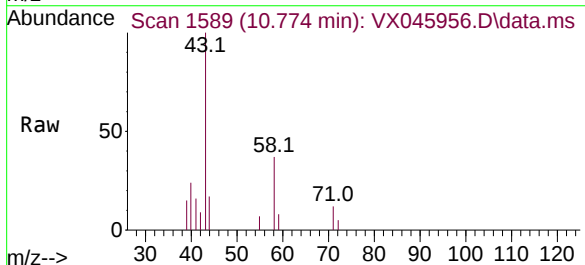
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

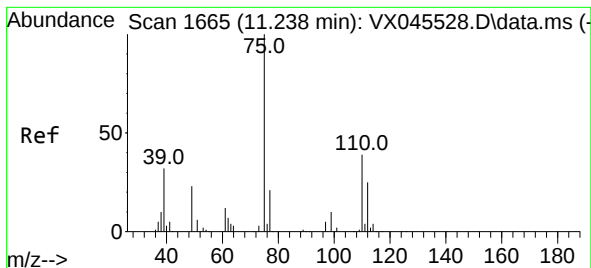
Tgt Ion:152 Resp: 51197
Ion Ratio Lower Upper
152 100
115 65.5 46.9 140.7
150 160.8 0.0 349.4



#74
N-ethyl acetate
Concen: 1.209 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.067 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 43 Resp: 2372
Ion Ratio Lower Upper
43 100
70 0.0 30.1 45.1#
55 8.9 18.3 27.5#
61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 28.483 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX045956.D

Acq: 28 Apr 2025 15:03

Instrument :

MSVOA_X

ClientSampleId :

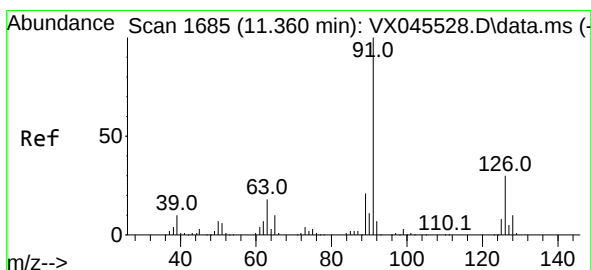
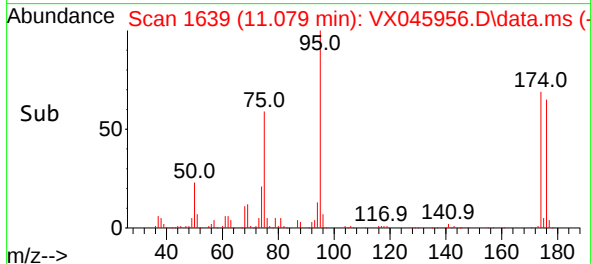
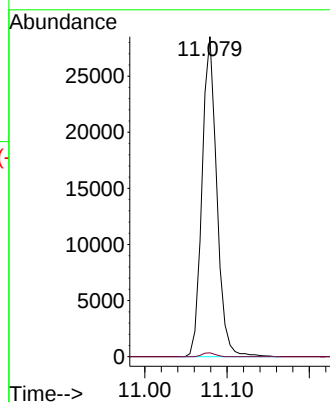
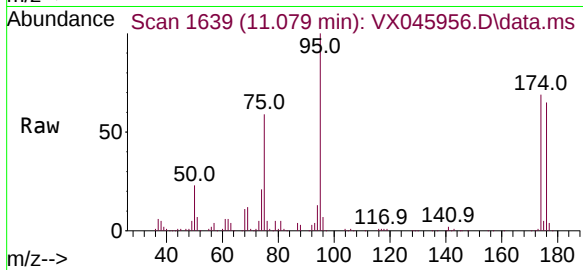
AUD-25-0053

Tgt Ion: 75 Resp: 35570

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#



#79

2-Chlorotoluene

Concen: 0.214 ug/l

RT: 11.512 min Scan# 1710

Delta R.T. 0.152 min

Lab File: VX045956.D

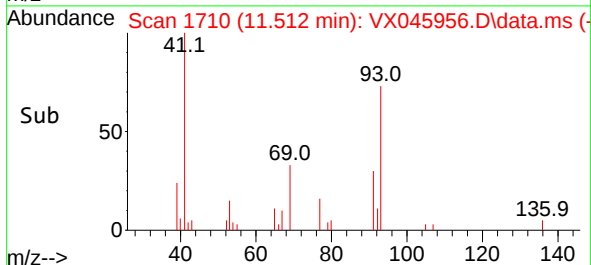
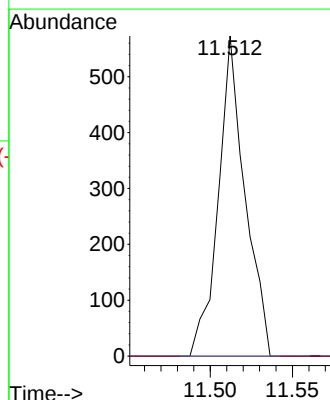
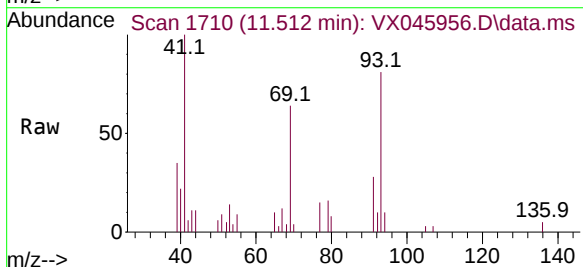
Acq: 28 Apr 2025 15:03

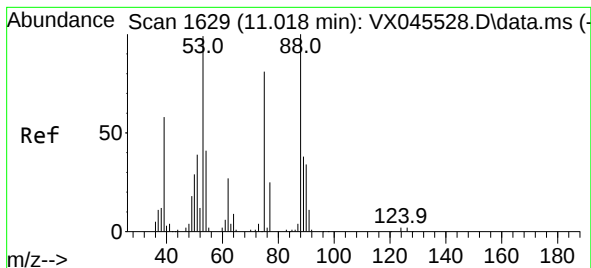
Tgt Ion: 91 Resp: 647

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.4#

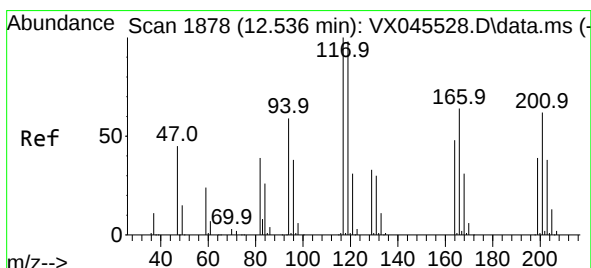
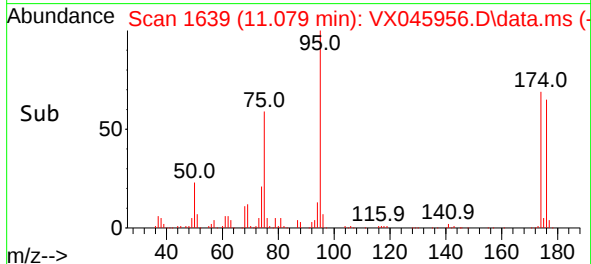
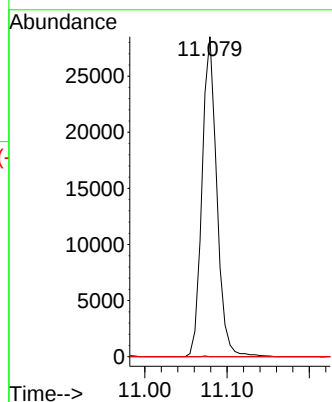
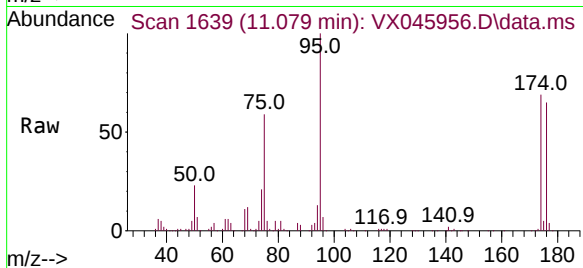




#81
trans-1,4-Dichloro-2-butene
Concen: 96.668 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

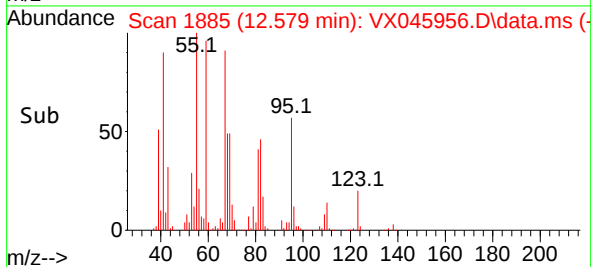
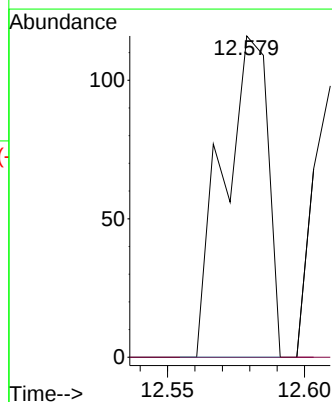
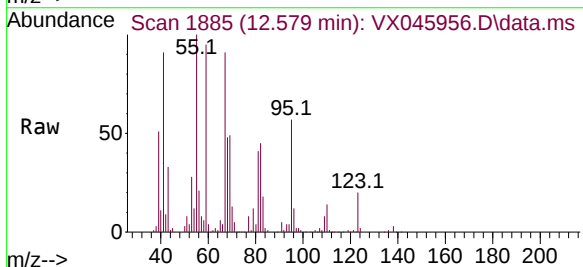
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0053

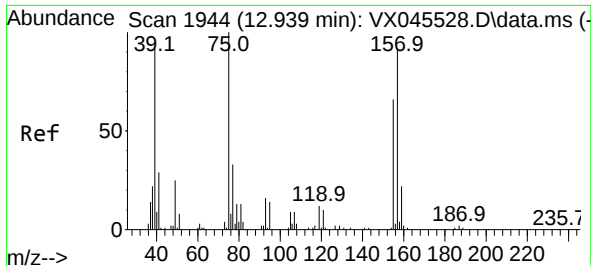
Tgt Ion: 75 Resp: 35570
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 37.2 55.8#



#90
Hexachloroethane
Concen: 0.224 ug/l
RT: 12.579 min Scan# 1885
Delta R.T. 0.043 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 117 Resp: 131
Ion Ratio Lower Upper
117 100
201 0.0 31.2 93.6#

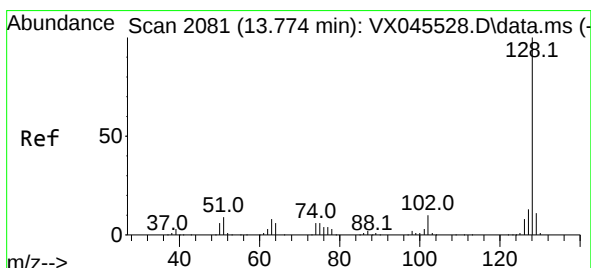
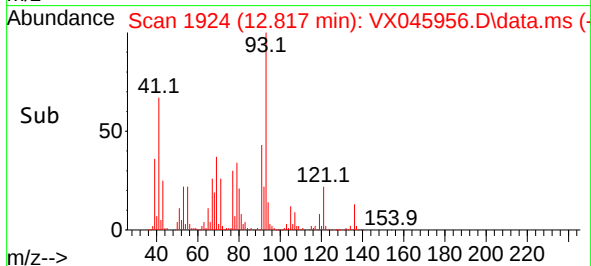
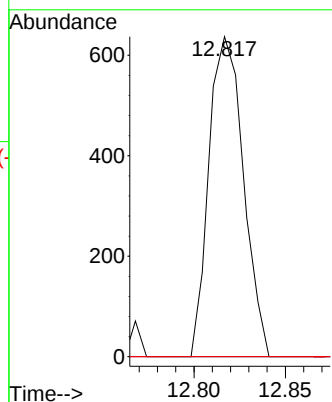
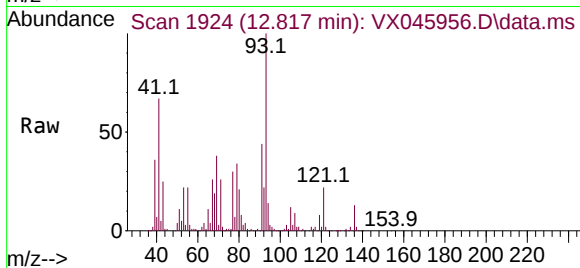




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.781 ug/l
RT: 12.817 min Scan# 1944
Delta R.T. -0.122 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Instrument : MSVOA_X
ClientSampleId : AUD-25-0053

Tgt Ion: 75 Resp: 838
Ion Ratio Lower Upper
75 100
155 0.0 34.9 104.7#
157 0.0 44.9 134.7#



#95
Naphthalene
Concen: 1.906 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX045956.D
Acq: 28 Apr 2025 15:03

Tgt Ion: 128 Resp: 6772
Ion Ratio Lower Upper
128 100
127 12.1 10.3 15.5
129 11.7 8.6 12.8

