

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX047005.D
 Acq On : 15 Jul 2025 16:24
 Operator : JC/MD
 Sample : Q2561-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-25-0117

Quant Time: Jul 16 02:29:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

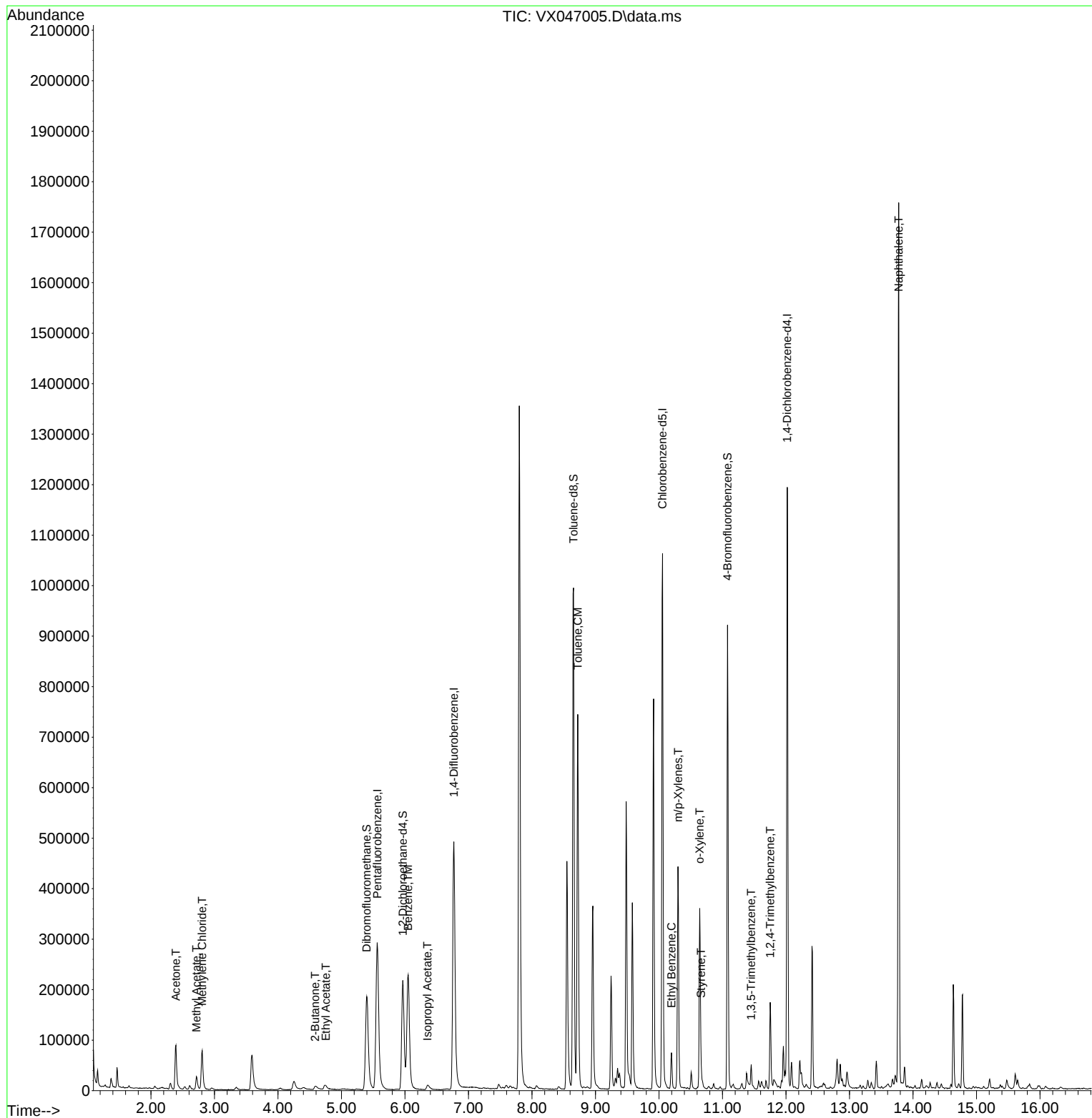
Internal Standards						
1) Pentafluorobenzene	5.562	168	293749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	526234	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	471652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	237740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	223783	57.665	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.340%			
35) Dibromofluoromethane	5.397	113	179741	50.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.640%			
50) Toluene-d8	8.653	98	612942	48.634	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.260%			
62) 4-Bromofluorobenzene	11.079	95	244306	51.004	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.000%			
Target Compounds					Qvalue	
16) Acetone	2.392	43	109426	90.778	ug/l	98
18) Methyl Acetate	2.715	43	36700	11.551	ug/l	95
20) Methylene Chloride	2.806	84	37400	10.492	ug/l	97
25) 2-Butanone	4.587	43	14463	8.993	ug/l	96
37) Ethyl Acetate	4.751	43	21300	5.189	ug/l	99
40) Benzene	6.050	78	293522	20.135	ug/l	99
43) Isopropyl Acetate	6.355	43	14538	2.312	ug/l	93
52) Toluene	8.720	92	281341	31.145	ug/l	100
67) Ethyl Benzene	10.195	91	42170	2.415	ug/l	95
68) m/p-Xylenes	10.299	106	99616	15.138	ug/l	99
69) o-Xylene	10.640	106	55057	8.662	ug/l	99
70) Styrene	10.659	104	20305	1.867	ug/l #	62
80) 1,3,5-Trimethylbenzene	11.451	105	20819	1.533	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	66485	4.844	ug/l	74
95) Naphthalene	13.774	128	1048456	77.630	ug/l	100

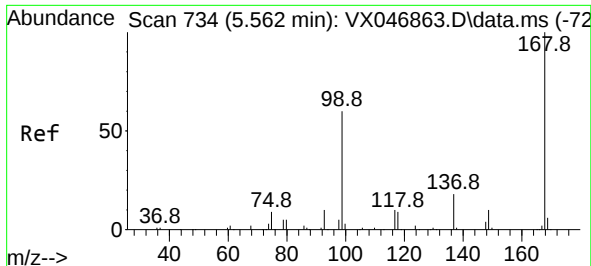
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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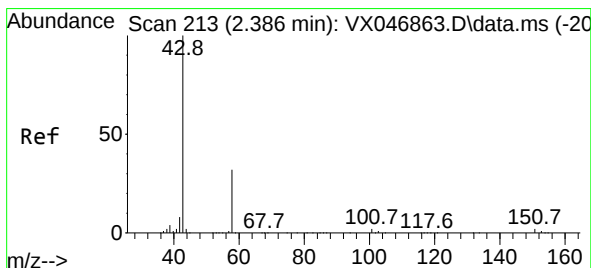
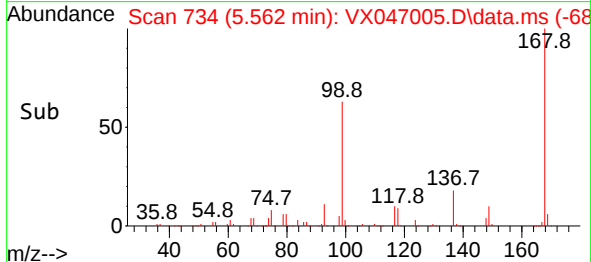
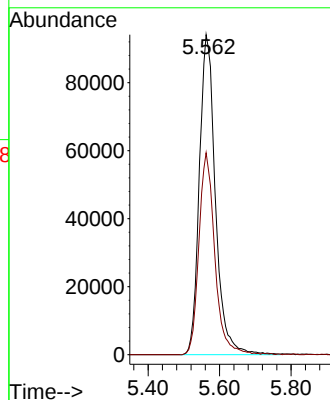
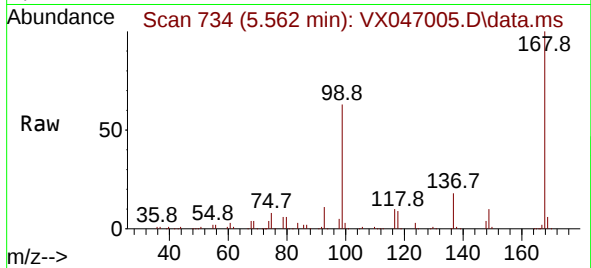




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

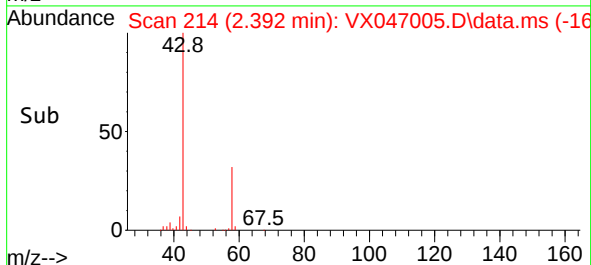
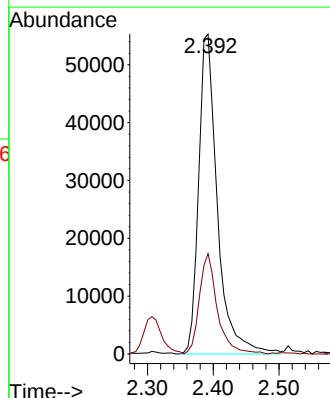
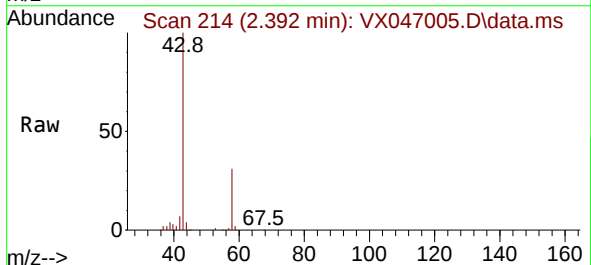
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0117

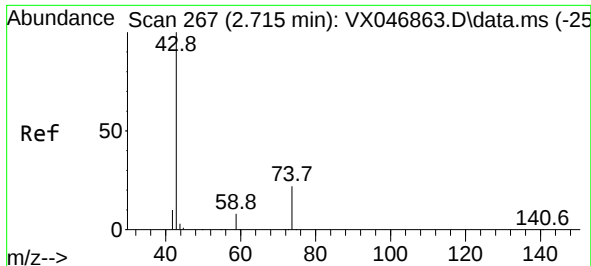
Tgt Ion:168 Resp: 293749
Ion Ratio Lower Upper
168 100
99 63.1 48.8 73.2



#16
Acetone
Concen: 90.778 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

Tgt Ion: 43 Resp: 109426
Ion Ratio Lower Upper
43 100
58 30.9 25.8 38.6

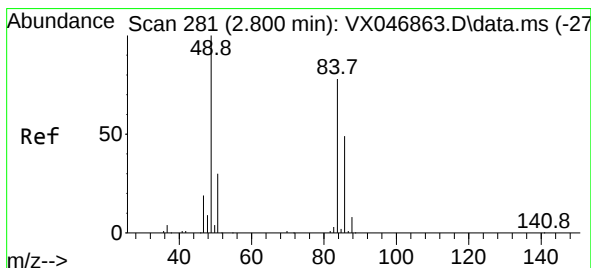
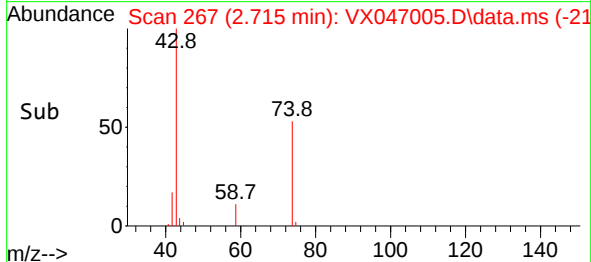
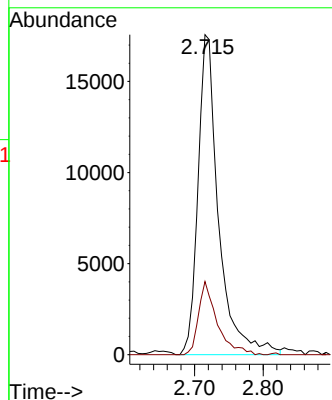
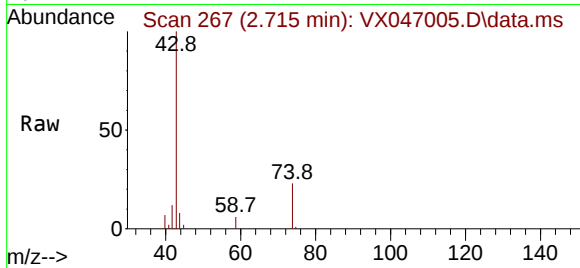




#18
Methyl Acetate
Concen: 11.551 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

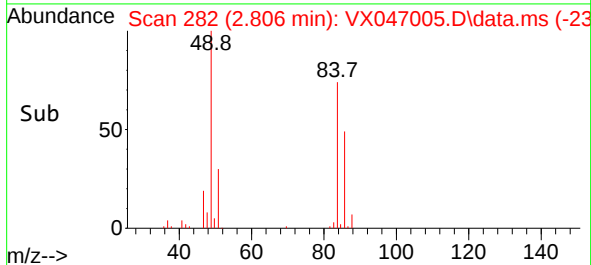
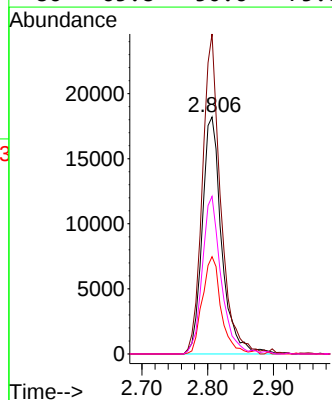
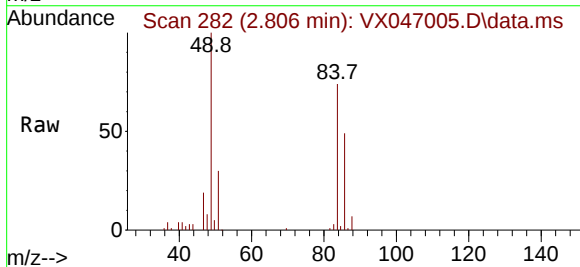
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0117

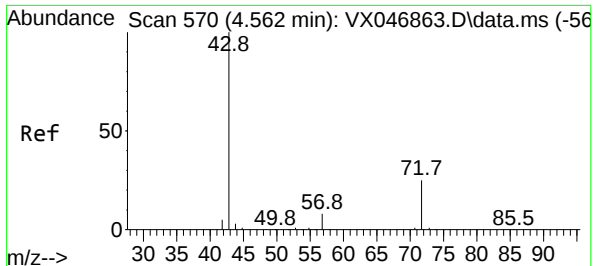
Tgt Ion: 43 Resp: 36700
Ion Ratio Lower Upper
43 100
74 20.7 18.3 27.5



#20
Methylene Chloride
Concen: 10.492 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

Tgt Ion: 84 Resp: 37400
Ion Ratio Lower Upper
84 100
49 131.8 102.8 154.2
51 40.1 31.1 46.7
86 65.8 50.6 75.8





#25

2-Butanone

Concen: 8.993 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX047005.D

Acq: 15 Jul 2025 16:24

Instrument :

MSVOA_X

ClientSampleId :

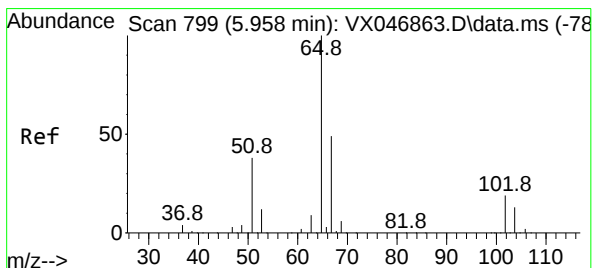
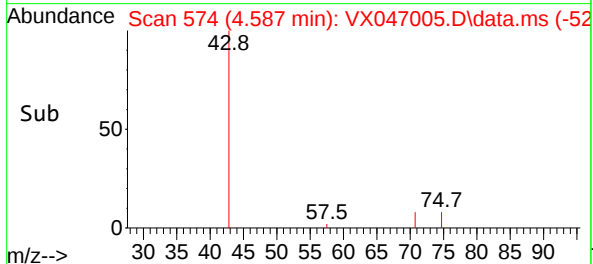
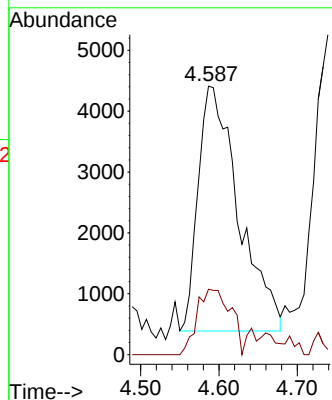
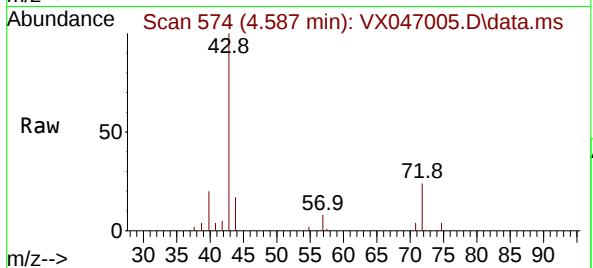
AUD-25-0117

Tgt Ion: 43 Resp: 14463

Ion Ratio Lower Upper

43 100

72 26.8 20.0 30.0



#33

1,2-Dichloroethane-d4

Concen: 57.665 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX047005.D

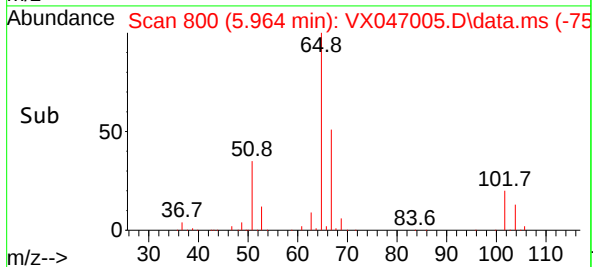
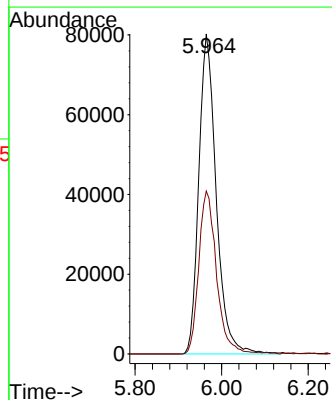
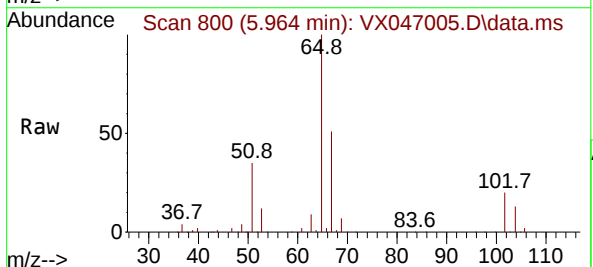
Acq: 15 Jul 2025 16:24

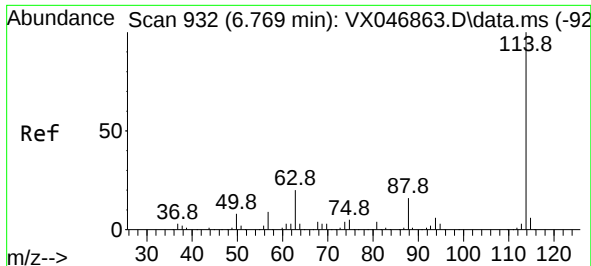
Tgt Ion: 65 Resp: 223783

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.2

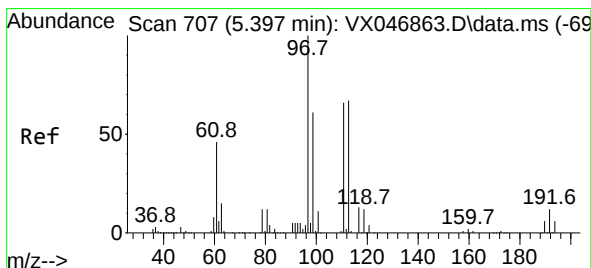
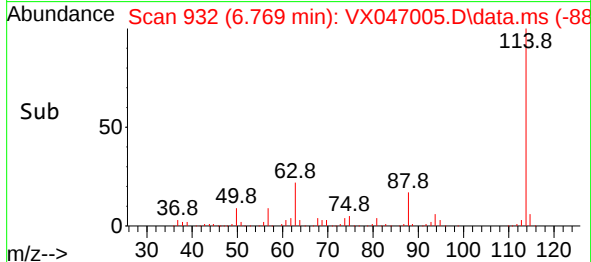
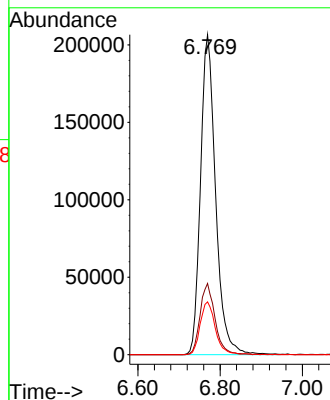
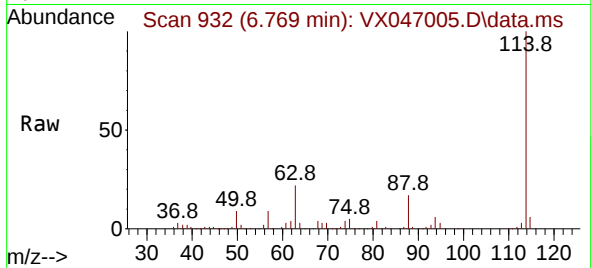




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

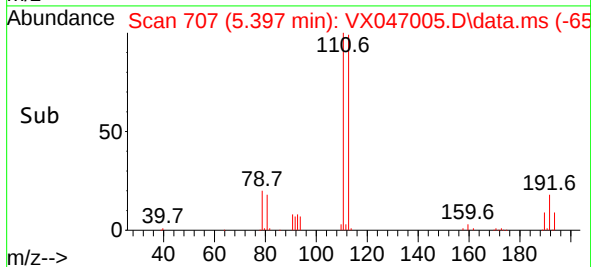
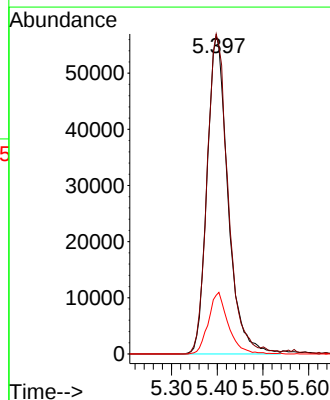
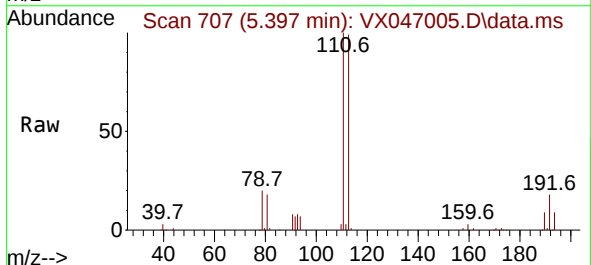
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0117

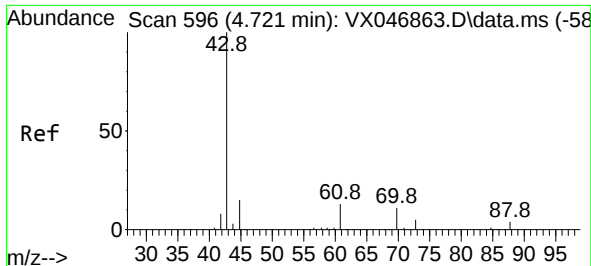
Tgt Ion:114 Resp: 526234
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.4
88 16.5 0.0 31.0



#35
Dibromofluoromethane
Concen: 50.318 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

Tgt Ion:113 Resp: 179741
Ion Ratio Lower Upper
113 100
111 101.4 81.2 121.8
192 18.4 15.3 22.9

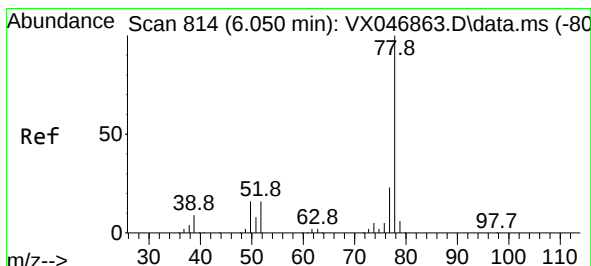
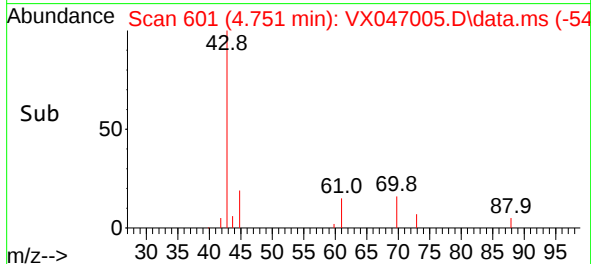
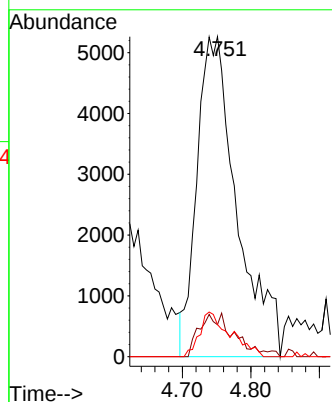
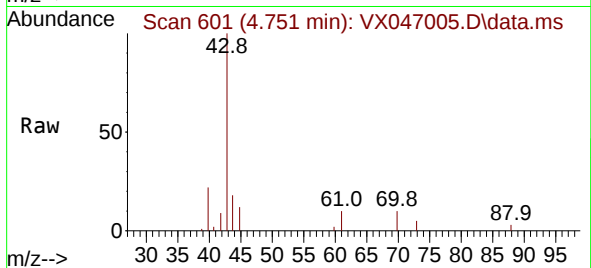




#37
Ethyl Acetate
Concen: 5.189 ug/l
RT: 4.751 min Scan# 601
Delta R.T. 0.031 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

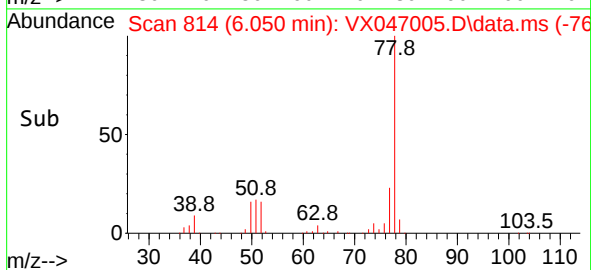
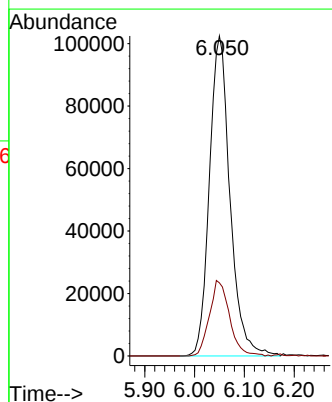
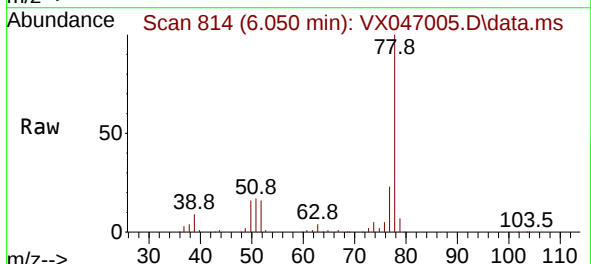
Instrument :
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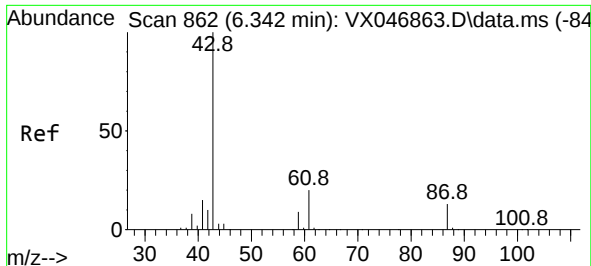
Tgt Ion:	43	Resp:	21300
Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.7	14.5
70	10.7	8.3	12.5



#40
Benzene
Concen: 20.135 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

Tgt Ion:	78	Resp:	293522
Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.7	28.1

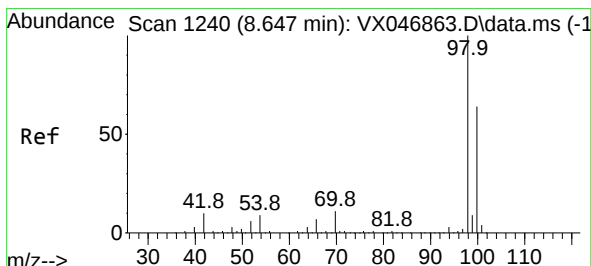
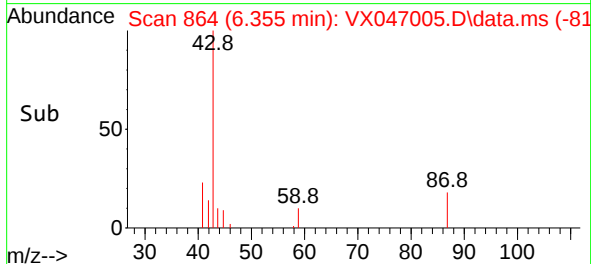
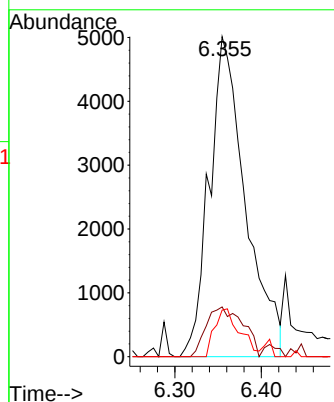
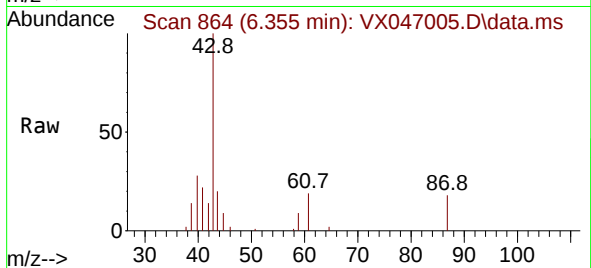




#43
Isopropyl Acetate
Concen: 2.312 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.012 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

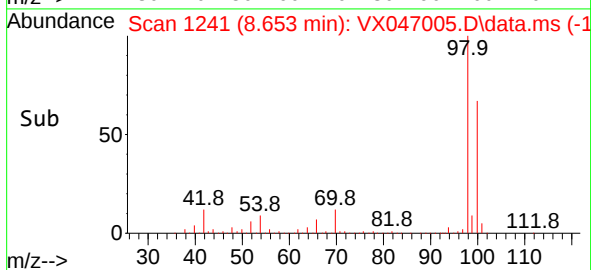
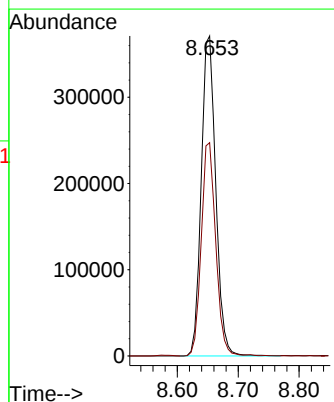
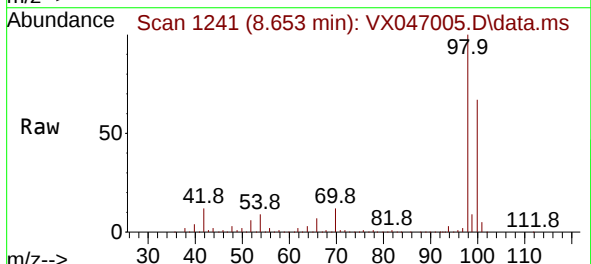
Instrument :
MSVOA_X
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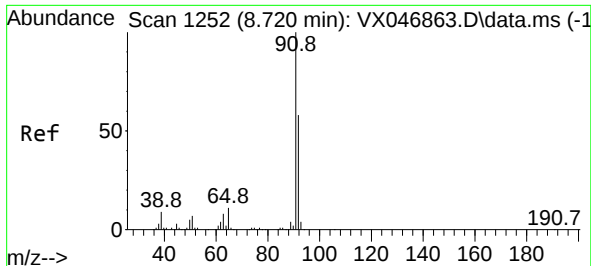
Tgt Ion: 43 Resp: 14538
Ion Ratio Lower Upper
43 100
61 15.8 15.7 23.5
87 10.4 10.1 15.1



#50
Toluene-d8
Concen: 48.634 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

Tgt Ion: 98 Resp: 612942
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6

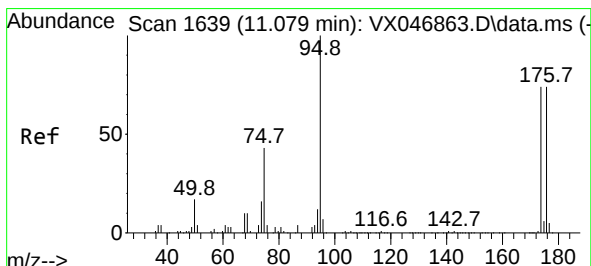
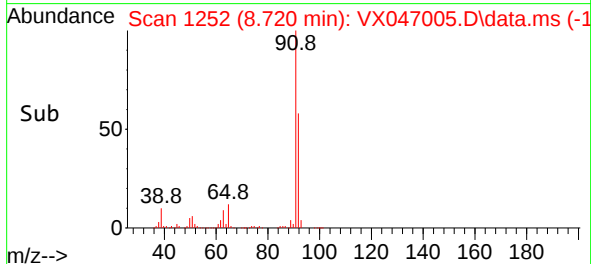
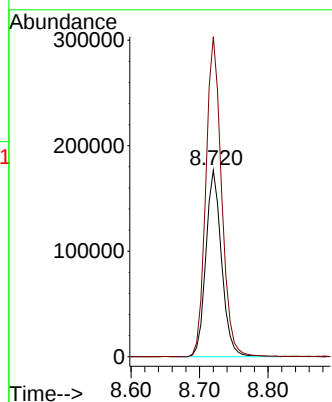
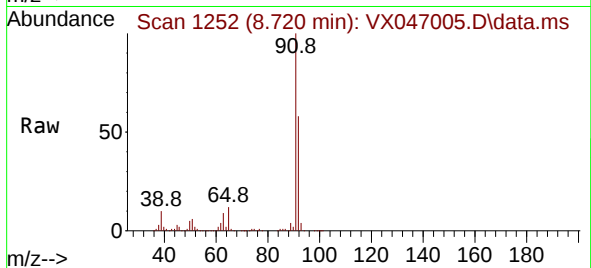




#52
Toluene
Concen: 31.145 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

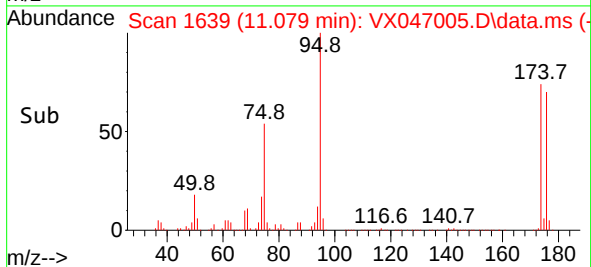
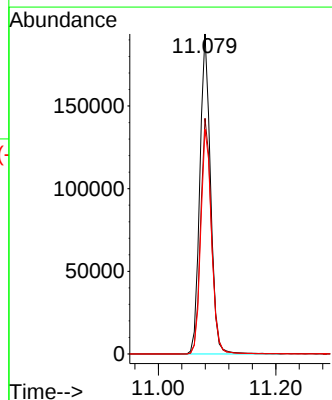
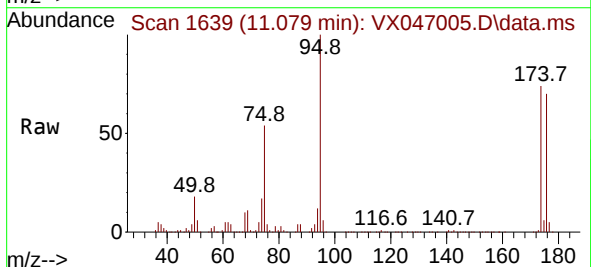
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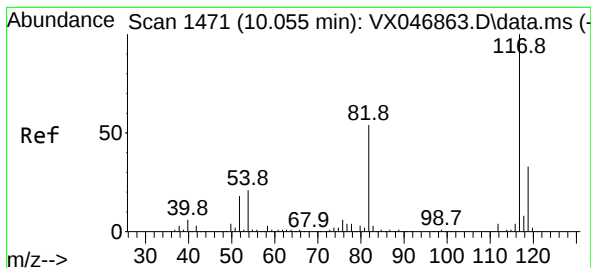
Tgt Ion: 92 Resp: 281341
Ion Ratio Lower Upper
92 100
91 171.9 137.9 206.9



#62
4-Bromofluorobenzene
Concen: 51.004 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

Tgt Ion: 95 Resp: 244306
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.0
176 70.9 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047005.D

Acq: 15 Jul 2025 16:24

Instrument :

MSVOA_X

ClientSampleId :

AUD-25-0117

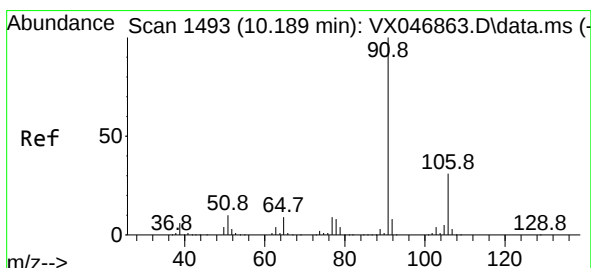
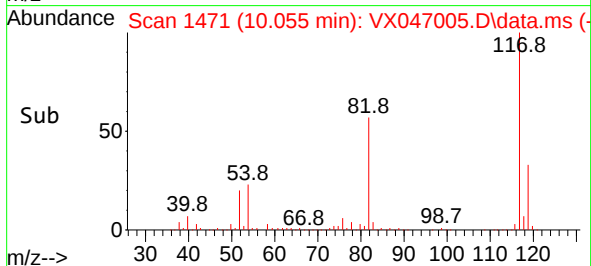
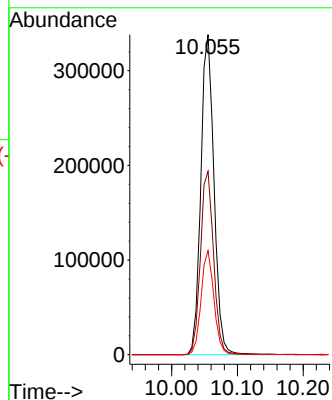
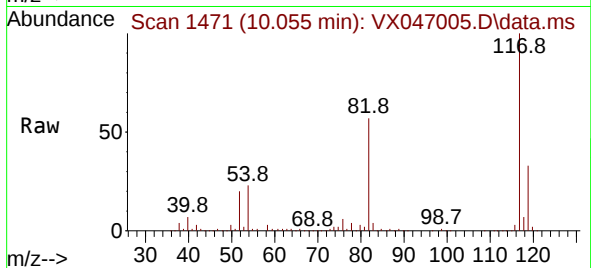
Tgt Ion:117 Resp: 471652

Ion Ratio Lower Upper

117 100

82 57.3 43.3 64.9

119 32.5 26.4 39.6



#67

Ethyl Benzene

Concen: 2.415 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX047005.D

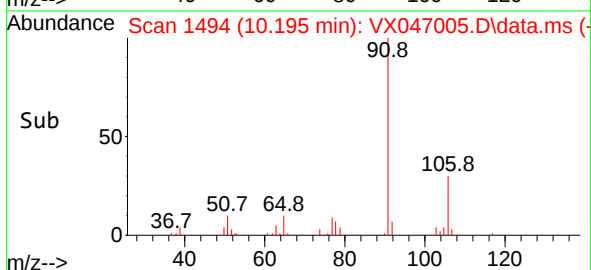
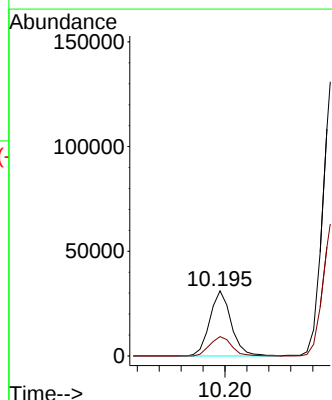
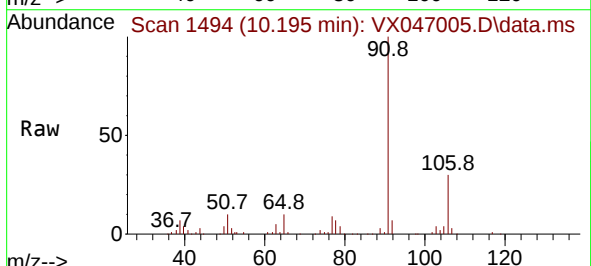
Acq: 15 Jul 2025 16:24

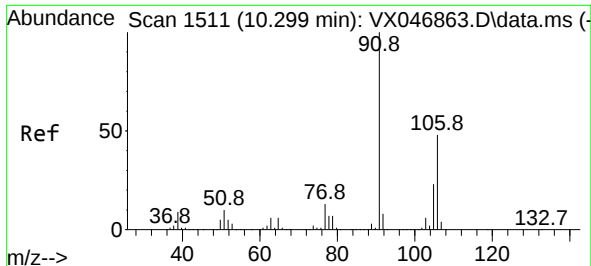
Tgt Ion: 91 Resp: 42170

Ion Ratio Lower Upper

91 100

106 33.2 24.4 36.6

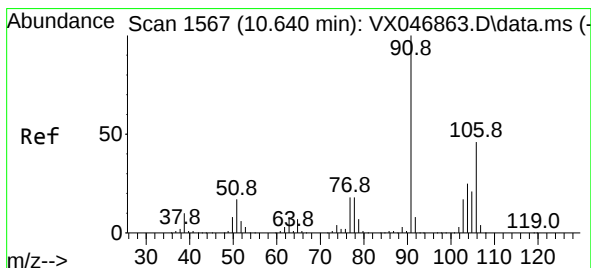
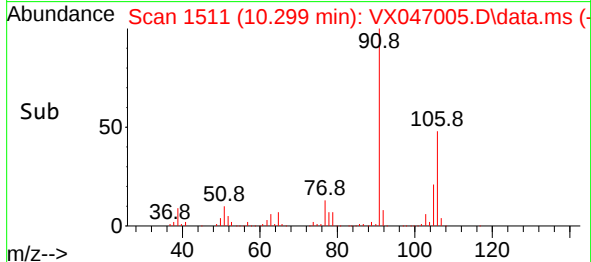
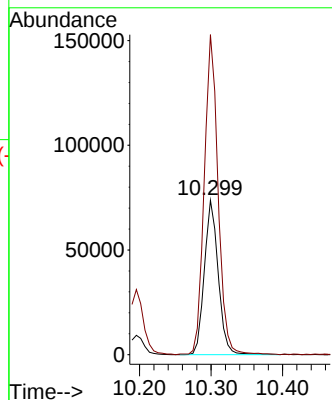
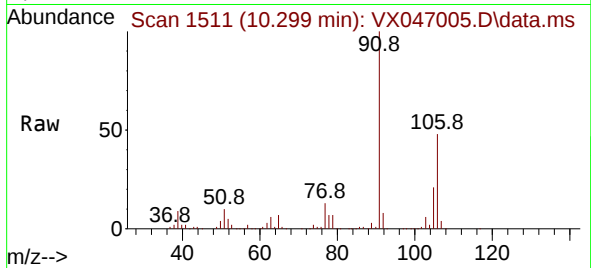




#68
m/p-Xylenes
Concen: 15.138 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

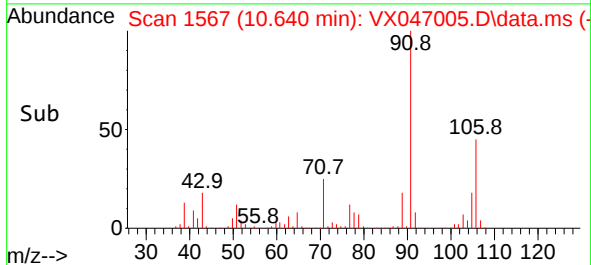
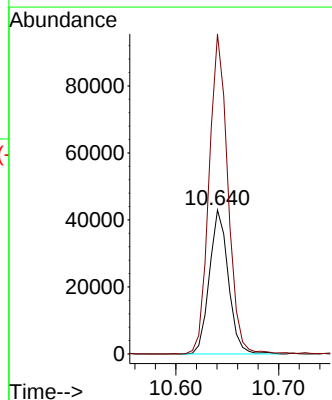
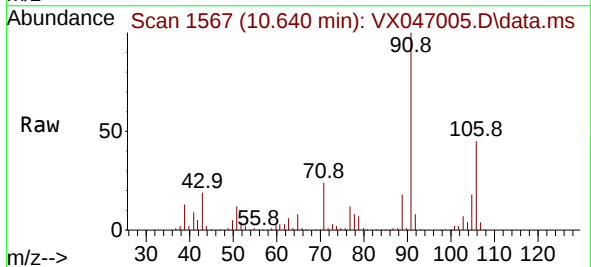
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0117

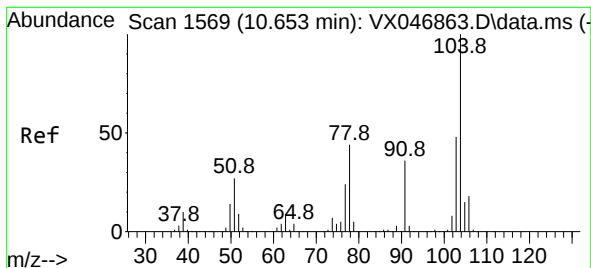
Tgt Ion:106 Resp: 99616
Ion Ratio Lower Upper
106 100
91 206.5 164.6 246.8



#69
o-Xylene
Concen: 8.662 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047005.D
Acq: 15 Jul 2025 16:24

Tgt Ion:106 Resp: 55057
Ion Ratio Lower Upper
106 100
91 221.1 109.5 328.5





#70

Styrene

Concen: 1.867 ug/l

RT: 10.659 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX047005.D

Acq: 15 Jul 2025 16:24

Instrument :

MSVOA_X

ClientSampleId :

AUD-25-0117

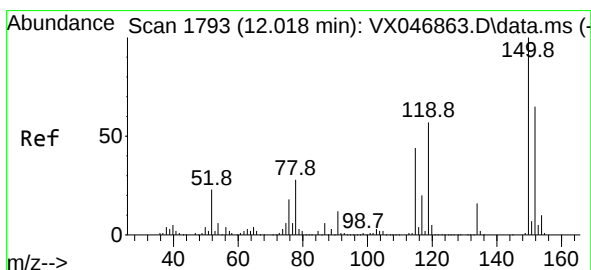
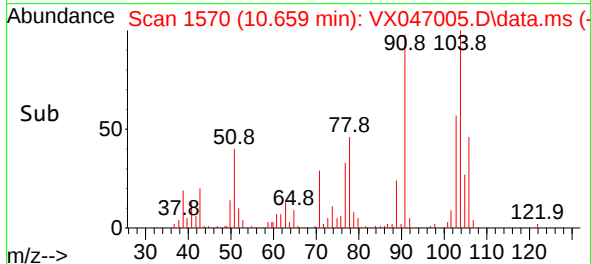
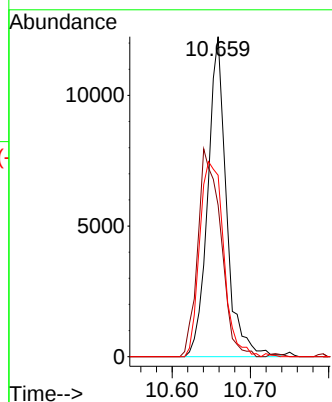
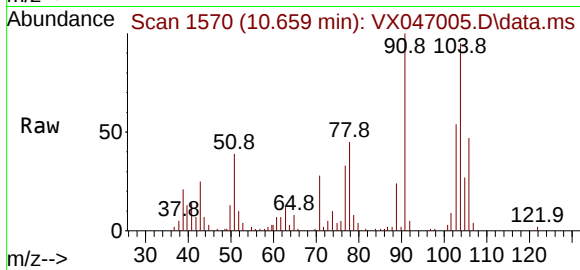
Tgt Ion:104 Resp: 20305

Ion Ratio Lower Upper

104 100

78 79.6 40.3 60.5#

103 78.1 42.8 64.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX047005.D

Acq: 15 Jul 2025 16:24

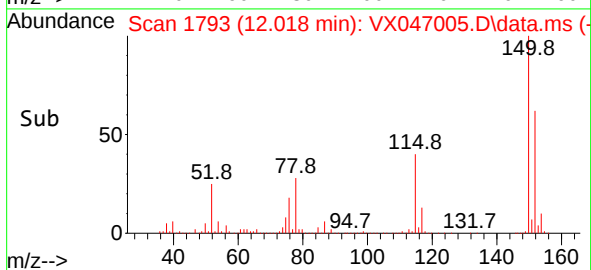
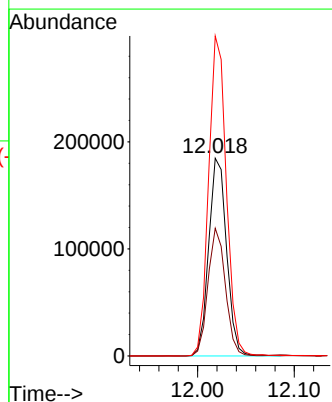
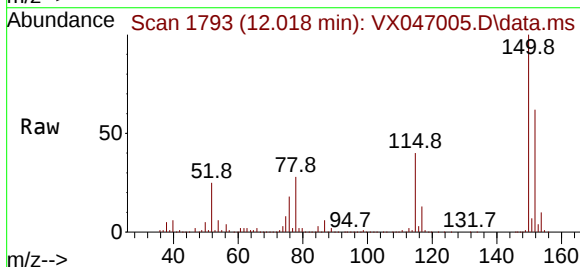
Tgt Ion:152 Resp: 237740

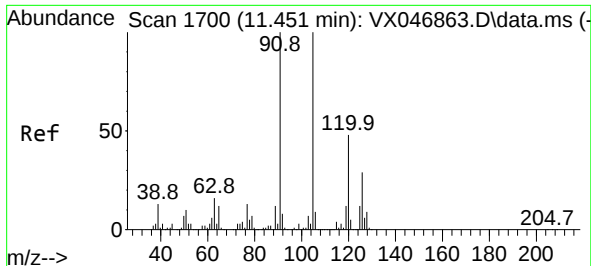
Ion Ratio Lower Upper

152 100

115 62.8 42.4 127.1

150 160.1 0.0 349.2

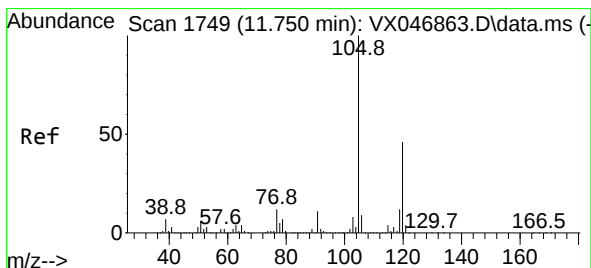
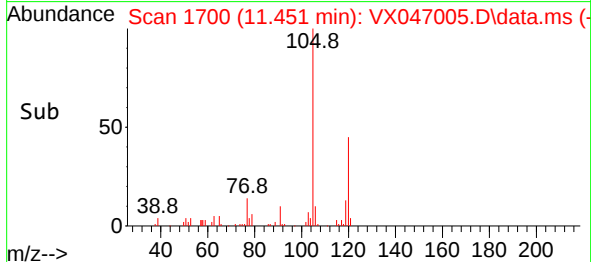
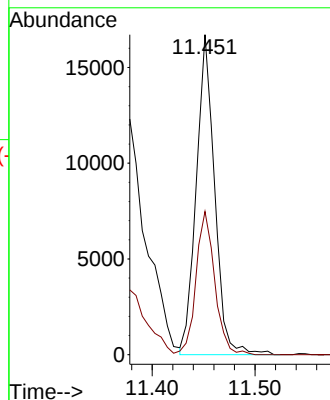
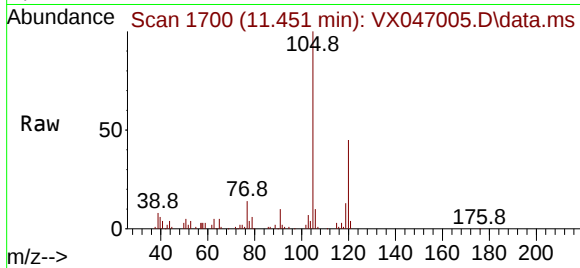




#80
 1,3,5-Trimethylbenzene
 Concen: 1.533 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX047005.D
 Acq: 15 Jul 2025 16:24

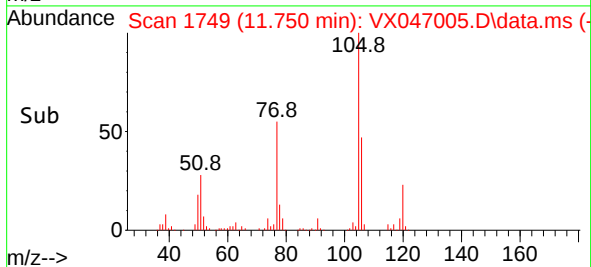
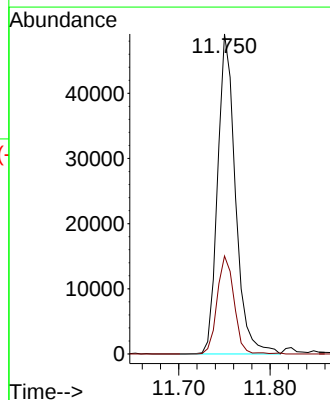
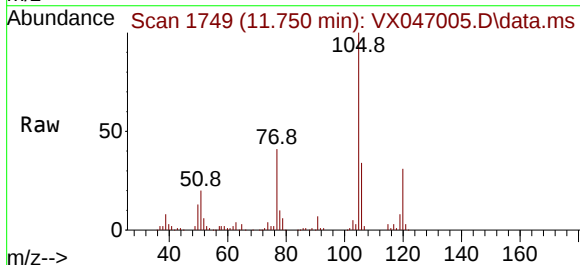
Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-25-0117

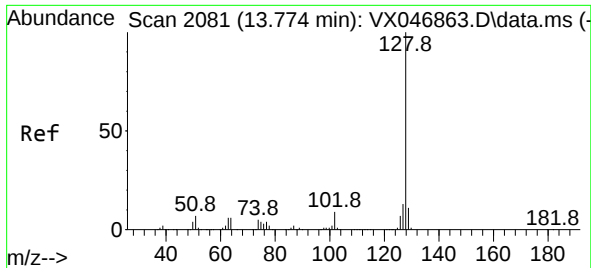
Tgt Ion:105 Resp: 20819
 Ion Ratio Lower Upper
 105 100
 120 45.6 24.1 72.4



#84
 1,2,4-Trimethylbenzene
 Concen: 4.844 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX047005.D
 Acq: 15 Jul 2025 16:24

Tgt Ion:105 Resp: 66485
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.3 69.8





#95

Naphthalene

Concen: 77.630 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX047005.D

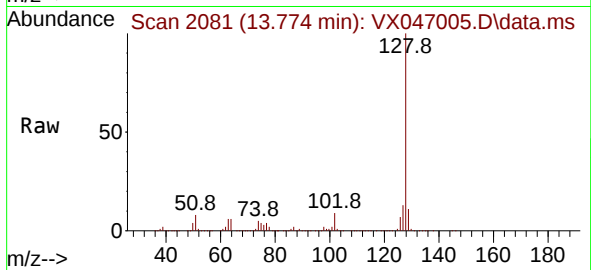
Acq: 15 Jul 2025 16:24

Instrument :

MSVOA_X

ClientSampleId :

AUD-25-0117



Tgt Ion:128 Resp: 1048456

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.8 8.6 13.0

