

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052825\
 Data File : VX046382.D
 Acq On : 28 May 2025 13:52
 Operator : JC/MD
 Sample : Q2132-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AUD-25-0080

Quant Time: May 29 03:36:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

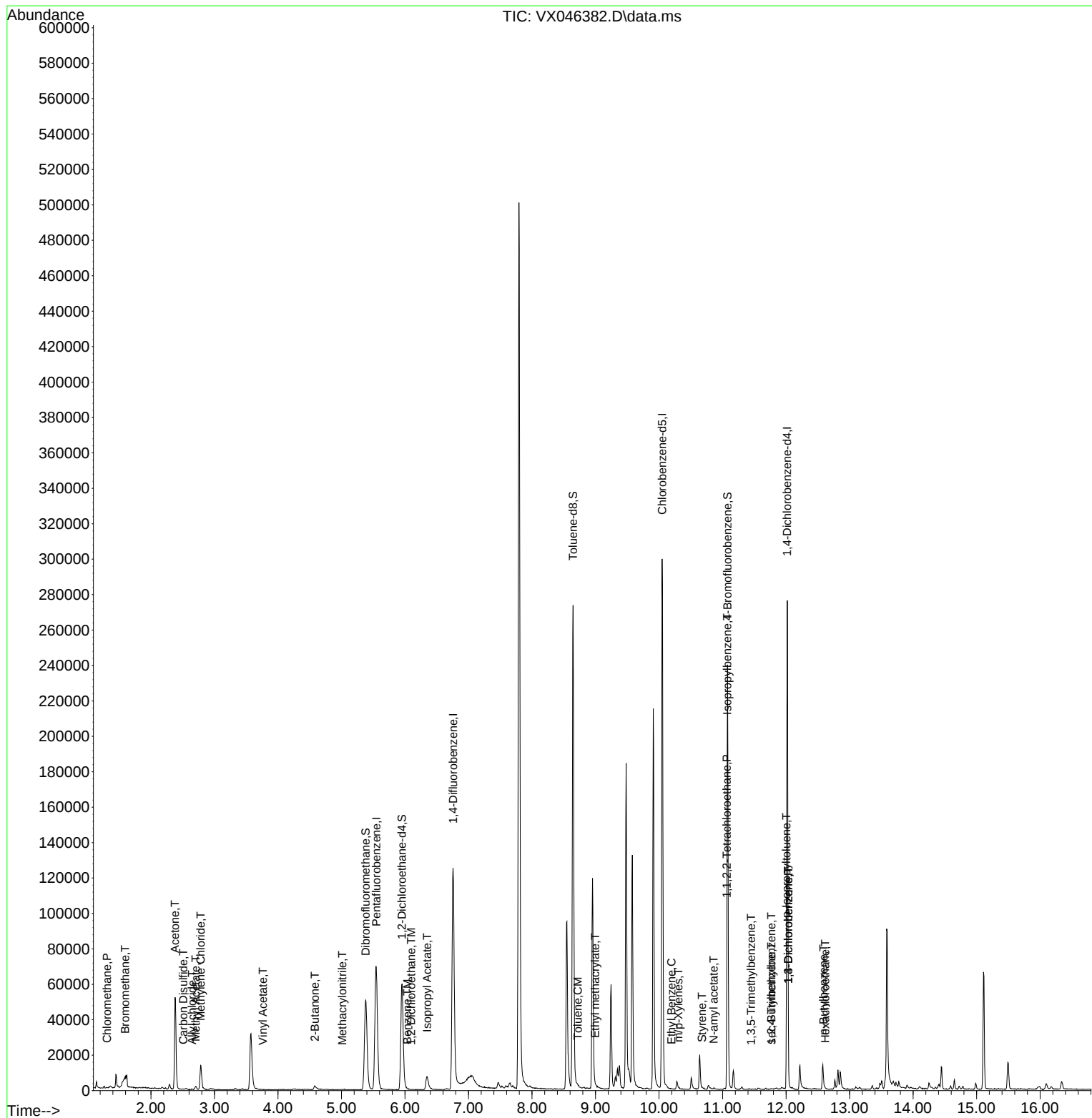
Internal Standards						
1) Pentafluorobenzene	5.550	168	59236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	120069	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61895	56.047	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.100%			
35) Dibromofluoromethane	5.379	113	44486	51.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.900%			
50) Toluene-d8	8.647	98	156328	52.239	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.480%			
62) 4-Bromofluorobenzene	11.079	95	60826	52.988	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.980%			
Target Compounds					Qvalue	
3) Chloromethane	1.307	50	71	0.081	ug/l #	43
5) Bromomethane	1.593	94	21	0.055	ug/l #	4
14) Allyl chloride	2.648	41	232	0.173	ug/l #	52
16) Acetone	2.380	43	58249	131.549	ug/l	98
17) Carbon Disulfide	2.508	76	218	0.131	ug/l #	76
18) Methyl Acetate	2.703	43	2724	2.651	ug/l #	88
20) Methylene Chloride	2.782	84	6457	7.610	ug/l	85
23) Vinyl Acetate	3.764	43	32	0.014	ug/l #	74
25) 2-Butanone	4.580	43	4853	7.549	ug/l #	86
40) Benzene	6.038	78	22	0.006	ug/l #	52
41) Methacrylonitrile	5.013	41	20	0.027	ug/l #	25
42) 1,2-Dichloroethane	6.099	62	18	0.012	ug/l #	78
43) Isopropyl Acetate	6.348	43	11726	5.355	ug/l	97
52) Toluene	8.720	92	53	0.025	ug/l #	1
56) Ethyl methacrylate	8.994	69	69	0.053	ug/l #	18
67) Ethyl Benzene	10.195	91	41	0.009	ug/l #	45
68) m/p-Xylenes	10.305	106	39	0.023	ug/l #	1
70) Styrene	10.677	104	45	0.017	ug/l #	23
73) Isopropylbenzene	11.073	105	98	0.025	ug/l #	49
74) N-amyl acetate	10.860	43	196	0.100	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	11.067	83	72	0.052	ug/l #	2
80) 1,3,5-Trimethylbenzene	11.451	105	20	0.006	ug/l #	30
84) 1,2,4-Trimethylbenzene	11.768	105	304	0.091	ug/l #	33
85) sec-Butylbenzene	11.768	105	304	0.074	ug/l #	57
86) p-Isopropyltoluene	12.006	119	59	0.017	ug/l #	1
87) 1,3-Dichlorobenzene	12.036	146	33	0.020	ug/l #	1
88) 1,4-Dichlorobenzene	12.036	146	33	0.019	ug/l #	1
89) n-Butylbenzene	12.591	91	120	0.041	ug/l #	33
90) Hexachloroethane	12.616	117	19	0.032	ug/l #	19

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

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Response via : Initial Calibration

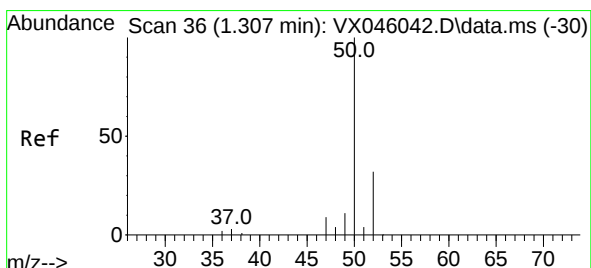
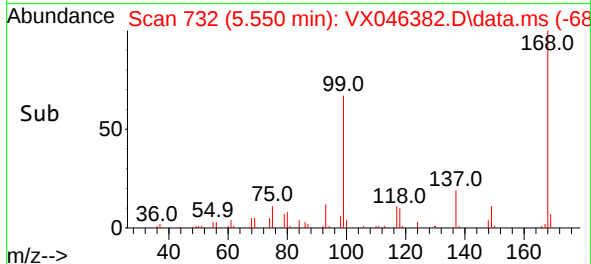
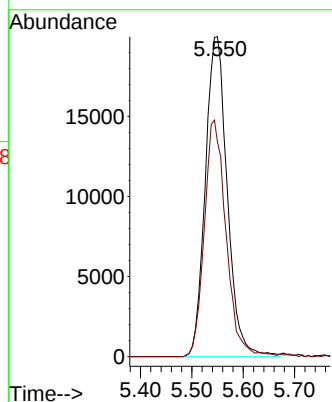
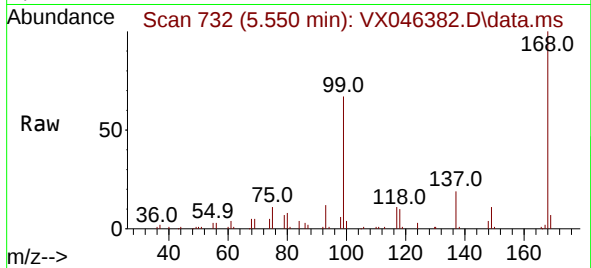




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

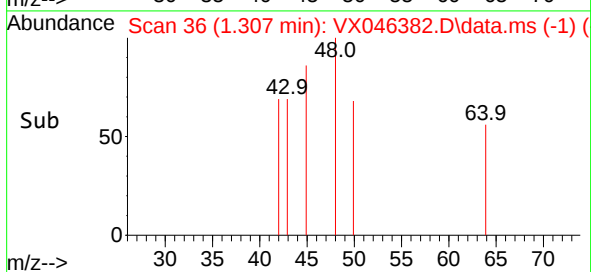
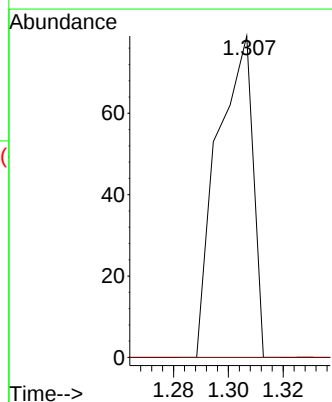
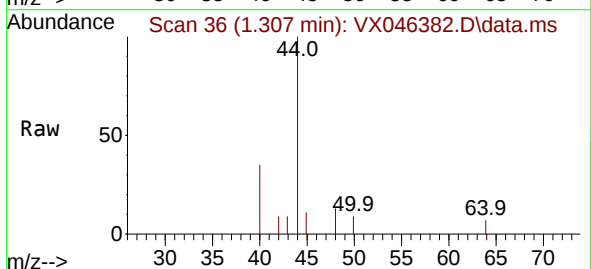
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

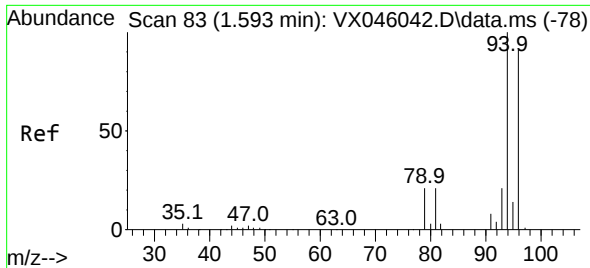
Tgt Ion:168 Resp: 59236
Ion Ratio Lower Upper
168 100
99 67.0 54.9 82.3



#3
Chloromethane
Concen: 0.081 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 50 Resp: 71
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

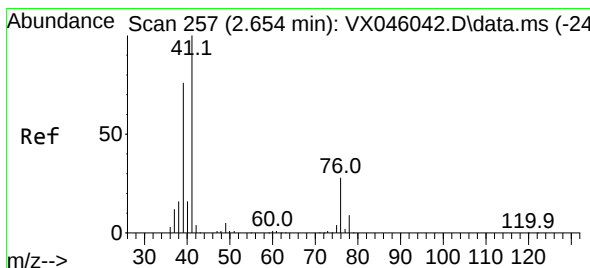
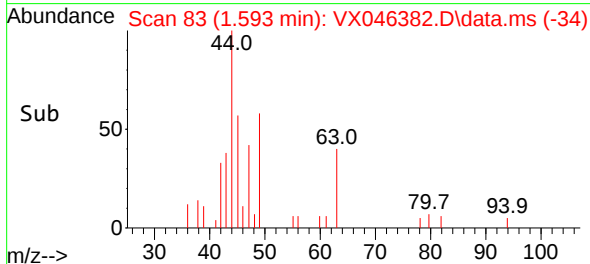
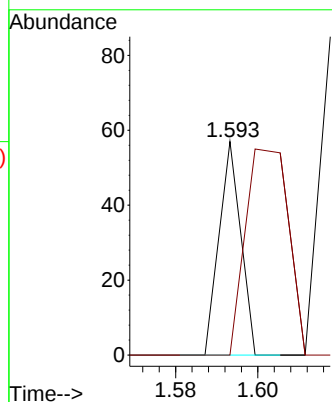
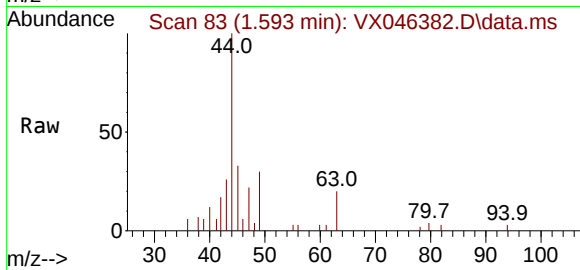




#5
Bromomethane
Concen: 0.055 ug/l
RT: 1.593 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

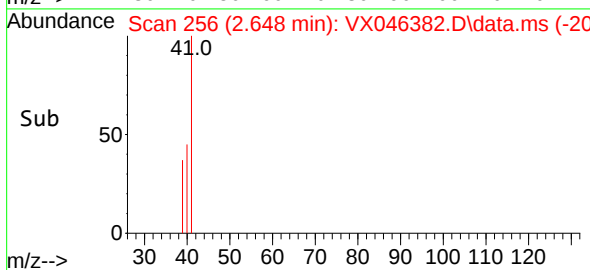
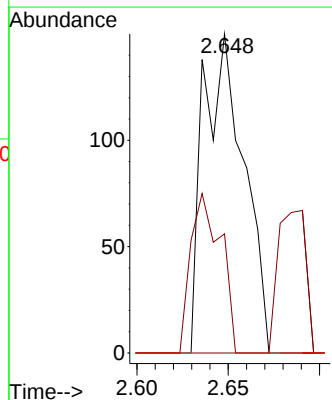
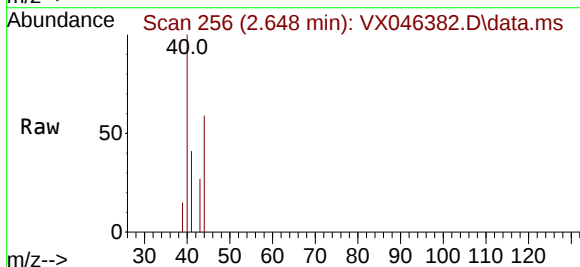
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

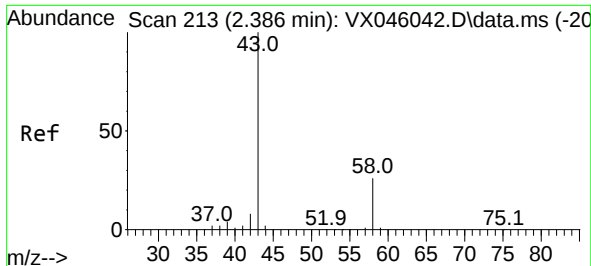
Tgt Ion: 94 Resp: 21
Ion Ratio Lower Upper
94 100
96 0.0 72.8 109.2#



#14
Allyl chloride
Concen: 0.173 ug/l
RT: 2.648 min Scan# 256
Delta R.T. -0.006 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 41 Resp: 232
Ion Ratio Lower Upper
41 100
39 37.1 60.6 90.8#
76 0.0 24.9 37.3#

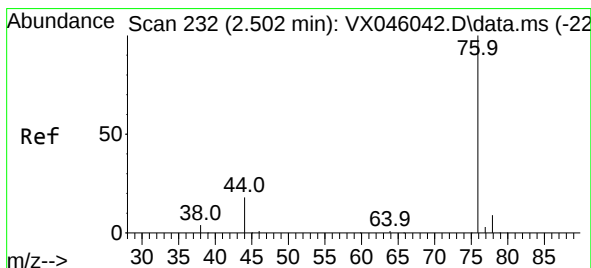
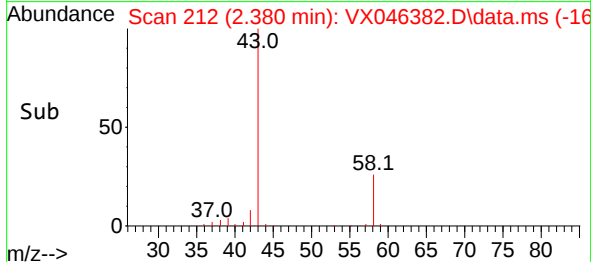
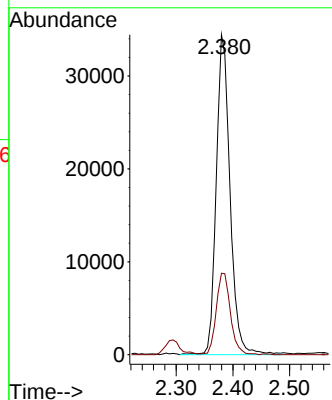
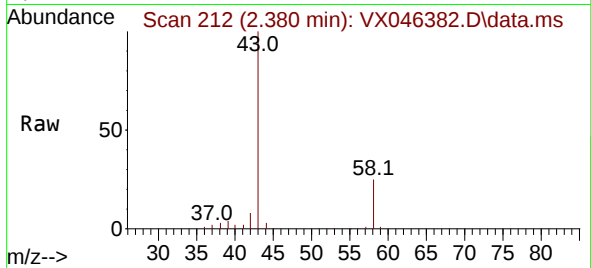




#16
Acetone
Concen: 131.549 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

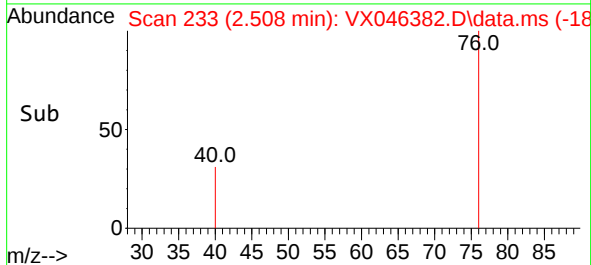
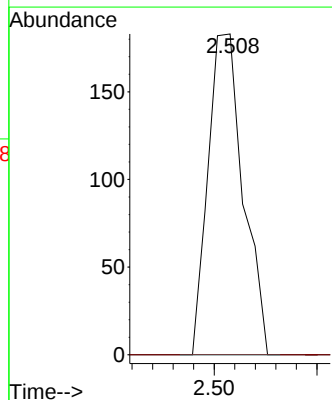
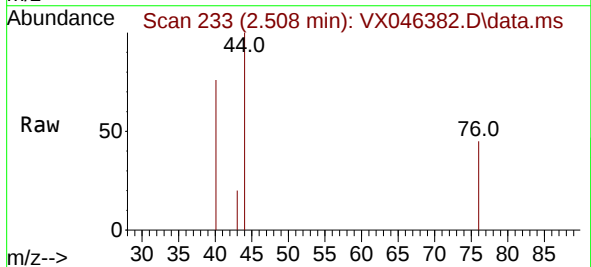
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

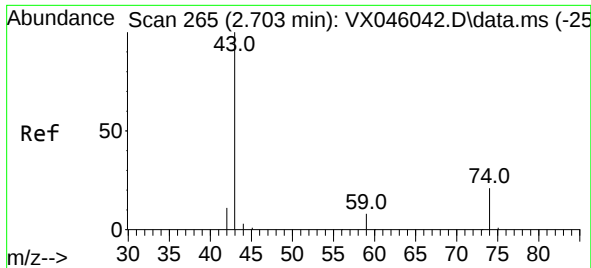
Tgt Ion: 43 Resp: 58249
Ion Ratio Lower Upper
43 100
58 25.4 21.2 31.8



#17
Carbon Disulfide
Concen: 0.131 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 76 Resp: 218
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

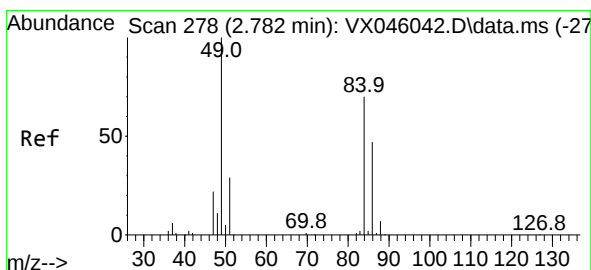
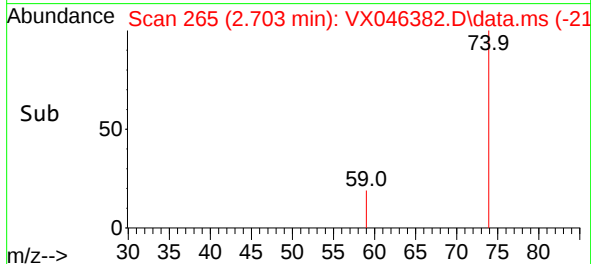
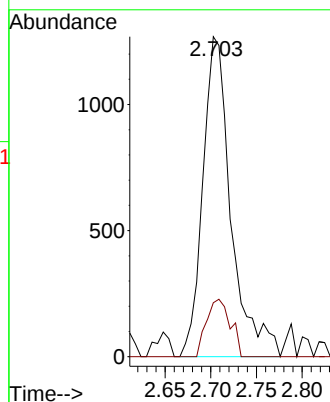
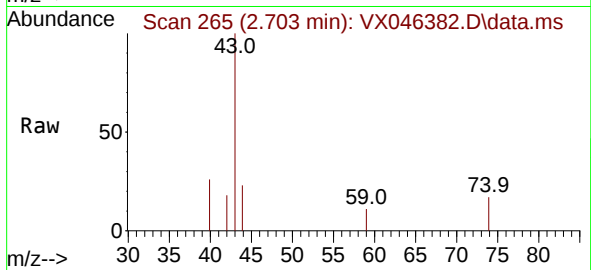




#18
Methyl Acetate
Concen: 2.651 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

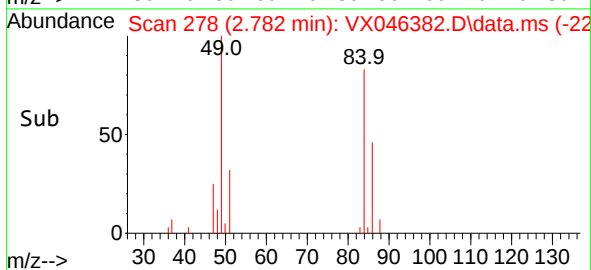
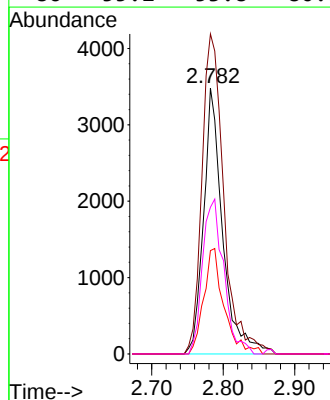
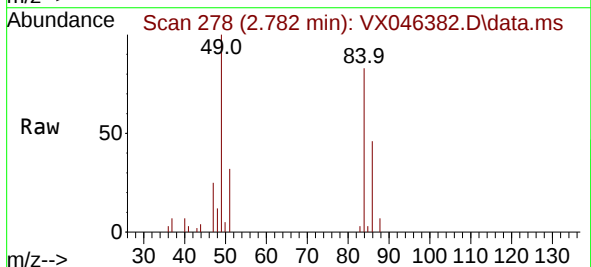
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

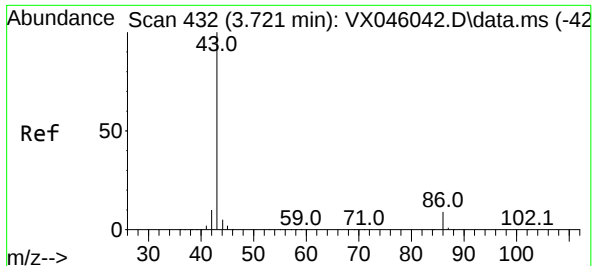
Tgt Ion: 43 Resp: 2724
Ion Ratio Lower Upper
43 100
74 15.2 16.7 25.1#



#20
Methylene Chloride
Concen: 7.610 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 84 Resp: 6457
Ion Ratio Lower Upper
84 100
49 120.4 113.9 170.9
51 38.9 33.5 50.3
86 55.2 53.8 80.8

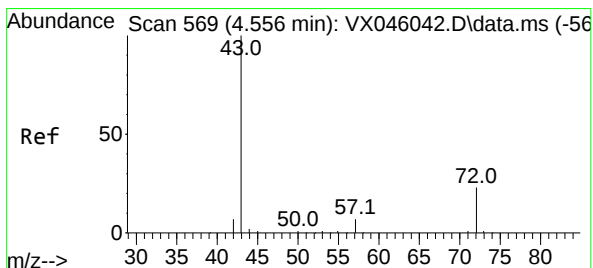
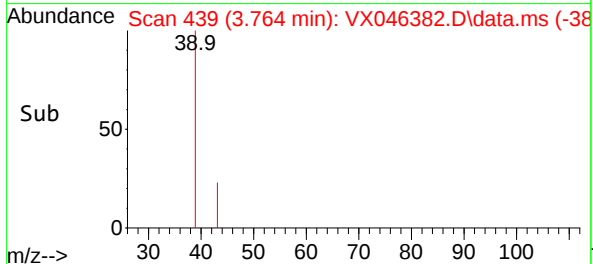
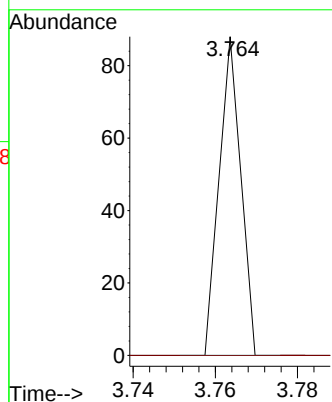
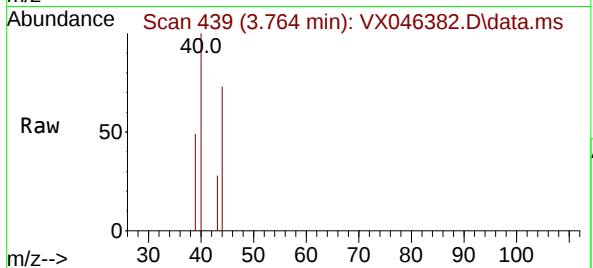




#23
 Vinyl Acetate
 Concen: 0.014 ug/l
 RT: 3.764 min Scan# 41
 Delta R.T. 0.043 min
 Lab File: VX046382.D
 Acq: 28 May 2025 13:52

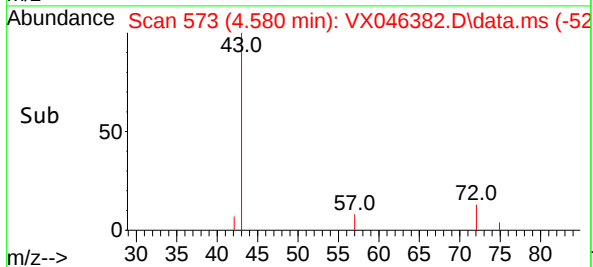
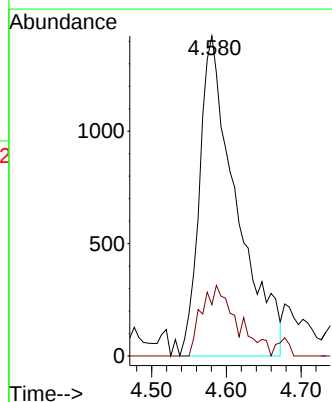
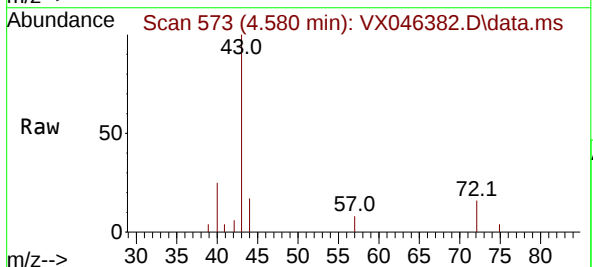
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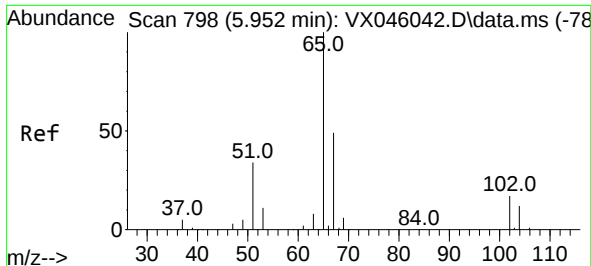
Tgt Ion: 43 Resp: 32
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.5 11.3#



#25
 2-Butanone
 Concen: 7.549 ug/l
 RT: 4.580 min Scan# 573
 Delta R.T. 0.024 min
 Lab File: VX046382.D
 Acq: 28 May 2025 13:52

Tgt Ion: 43 Resp: 4853
 Ion Ratio Lower Upper
 43 100
 72 16.0 18.4 27.6#





#33

1,2-Dichloroethane-d4

Concen: 56.047 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046382.D

Acq: 28 May 2025 13:52

Instrument :

MSVOA_X

ClientSampleId :

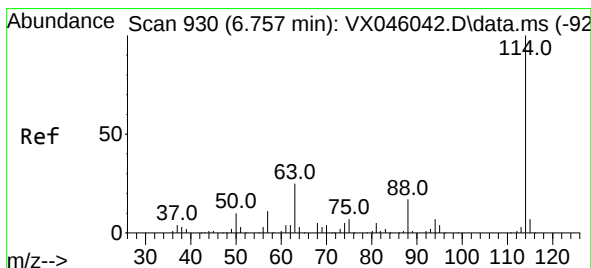
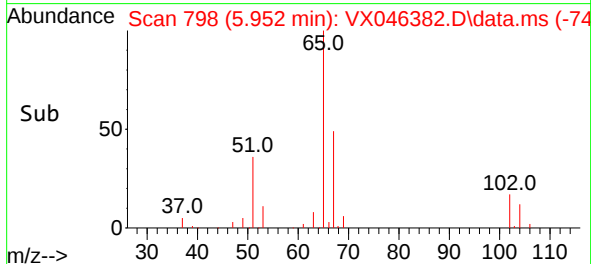
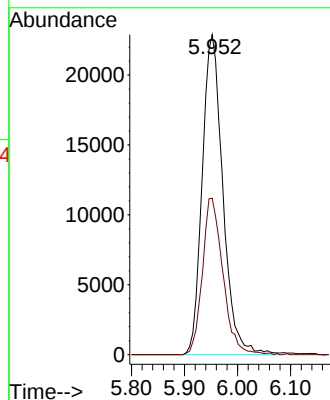
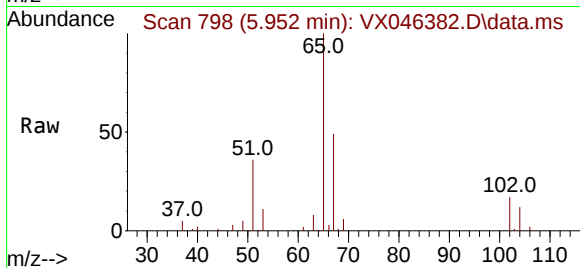
AUD-25-0080

Tgt Ion: 65 Resp: 61895

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046382.D

Acq: 28 May 2025 13:52

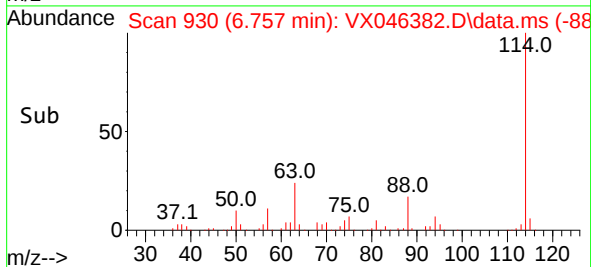
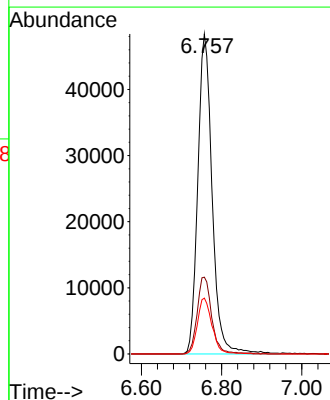
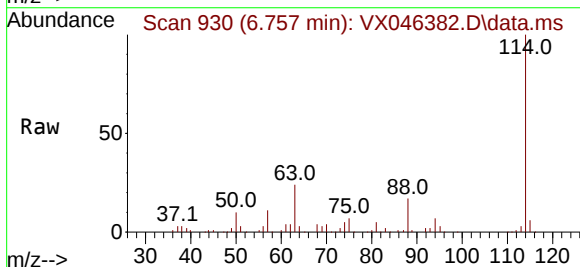
Tgt Ion: 114 Resp: 120069

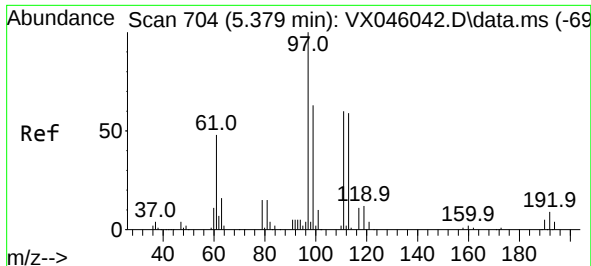
Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.2

88 17.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 51.451 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046382.D

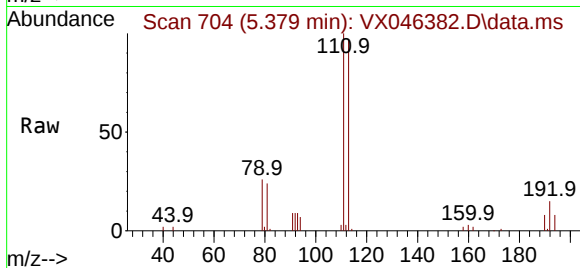
Acq: 28 May 2025 13:52

Instrument :

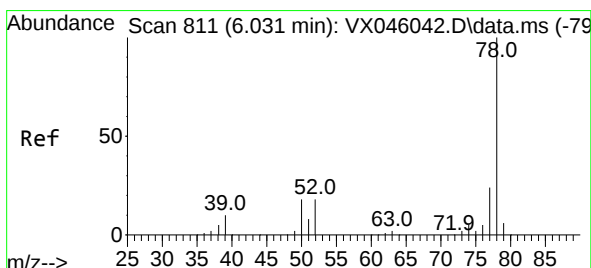
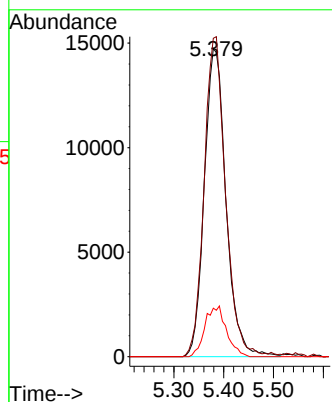
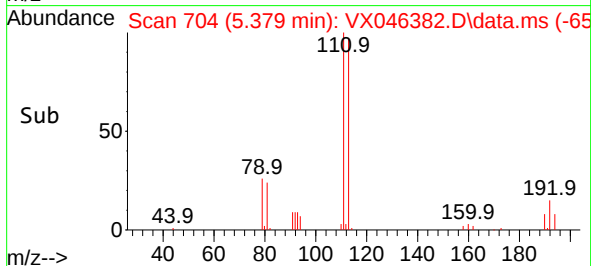
MSVOA_X

ClientSampleId :

AUD-25-0080



Tgt Ion:	113	Resp:	44486
Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.1	124.7
192	16.3	13.3	19.9



#40

Benzene

Concen: 0.006 ug/l

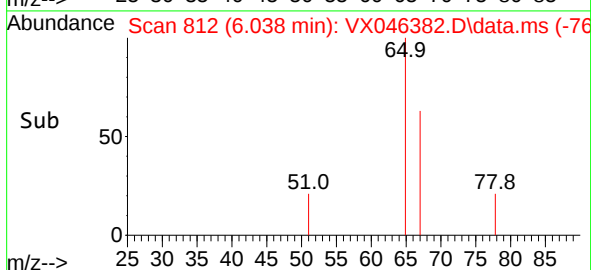
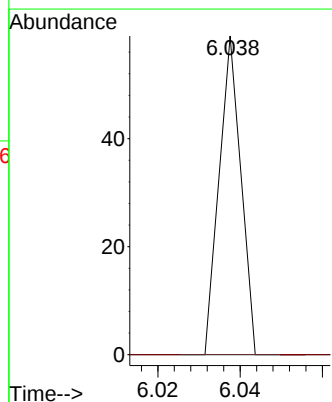
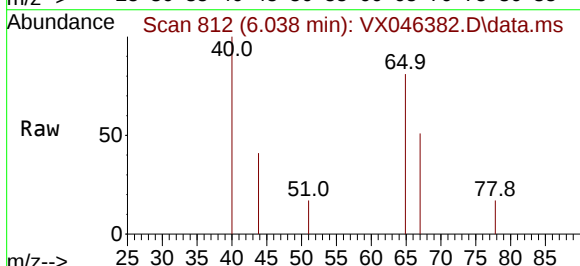
RT: 6.038 min Scan# 812

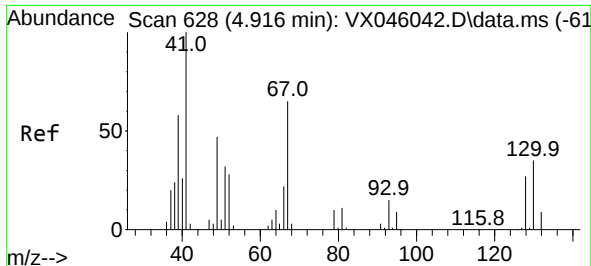
Delta R.T. 0.006 min

Lab File: VX046382.D

Acq: 28 May 2025 13:52

Tgt Ion:	78	Resp:	22
Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.0	28.4#

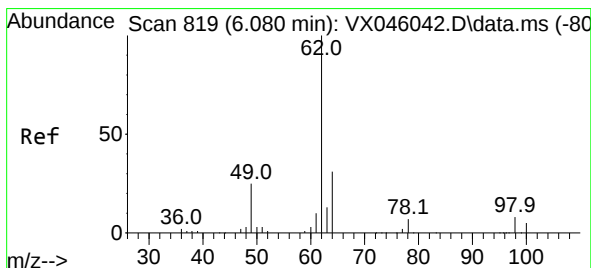
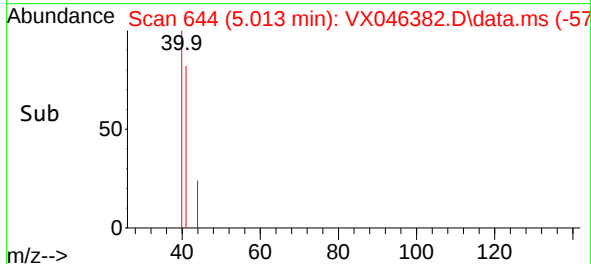
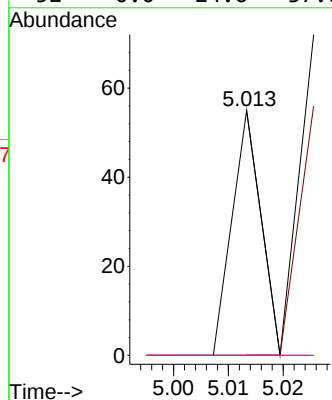
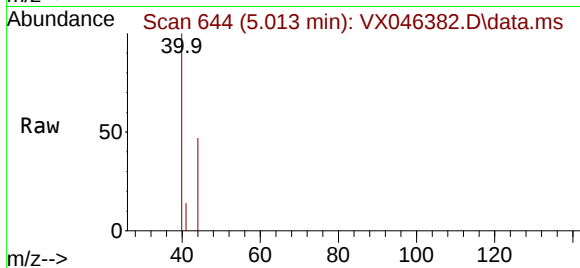




#41
Methacrylonitrile
Concen: 0.027 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.098 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

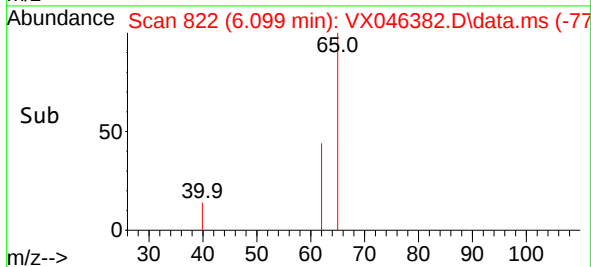
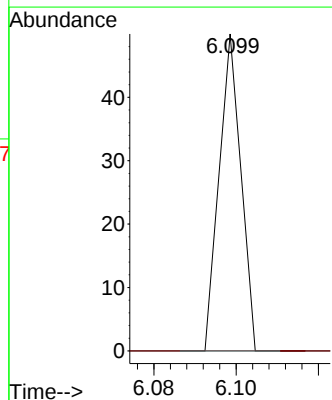
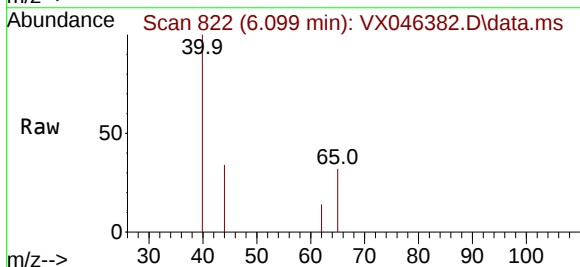
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

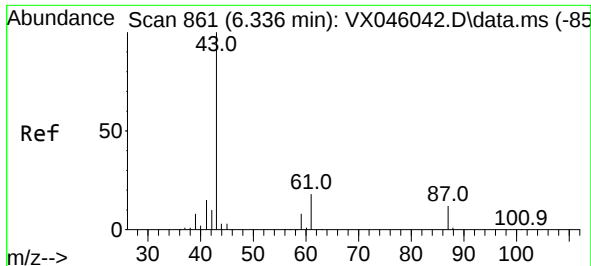
Tgt Ion:	41	Resp:	20
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.2	70.8#
67	0.0	50.7	76.1#
52	0.0	24.6	37.0#



#42
1,2-Dichloroethane
Concen: 0.012 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.018 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion:	62	Resp:	18
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	15.2

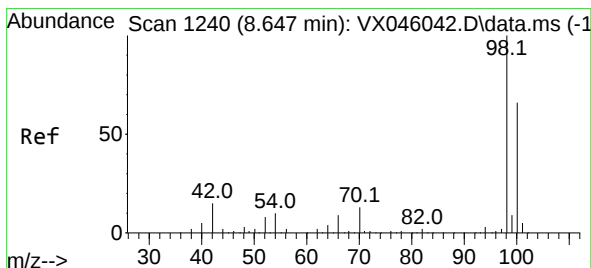
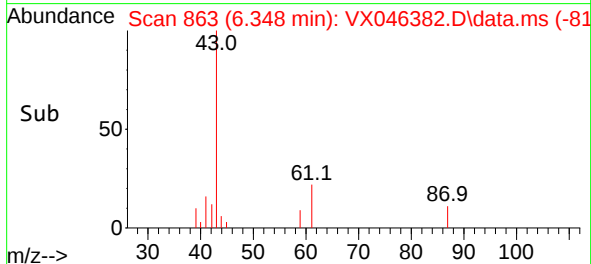
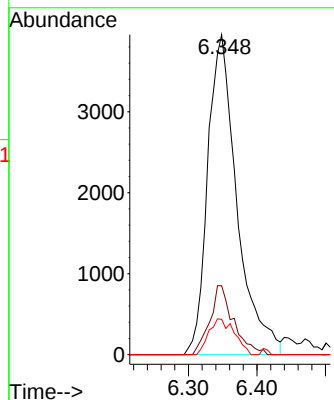
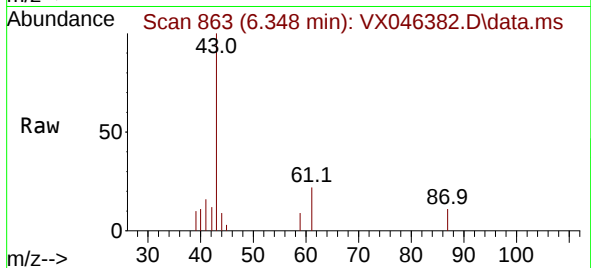




#43
Isopropyl Acetate
Concen: 5.355 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

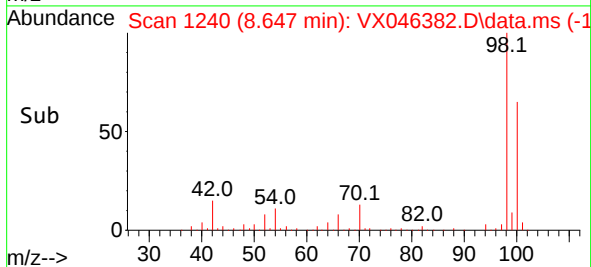
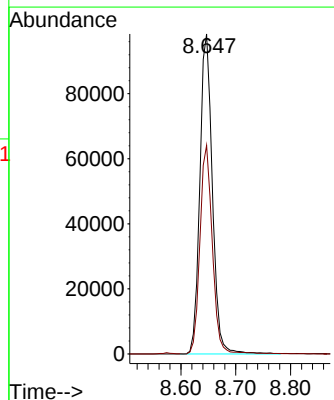
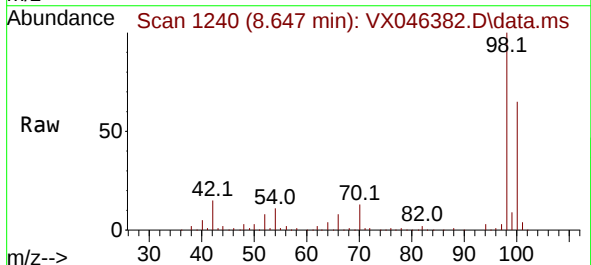
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

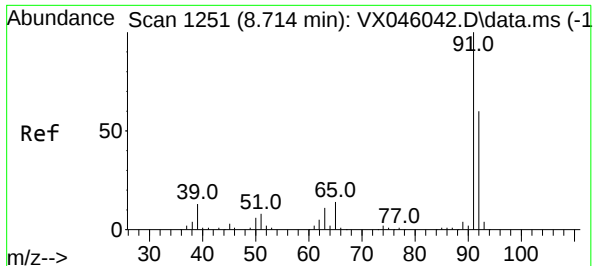
Tgt Ion: 43 Resp: 11726
Ion Ratio Lower Upper
43 100
61 17.5 14.3 21.5
87 9.8 9.5 14.3



#50
Toluene-d8
Concen: 52.239 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 98 Resp: 156328
Ion Ratio Lower Upper
98 100
100 64.7 53.5 80.3

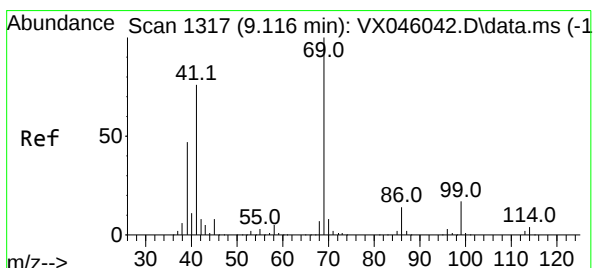
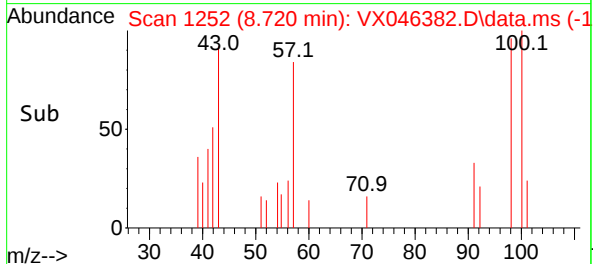
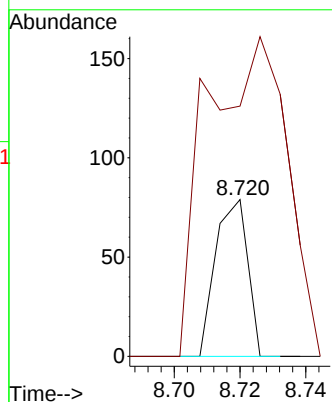
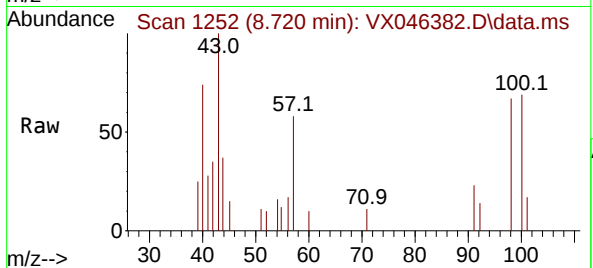




#52
Toluene
Concen: 0.025 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

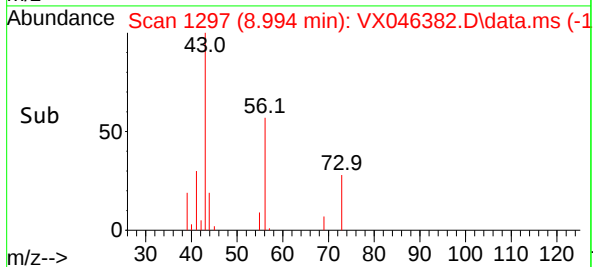
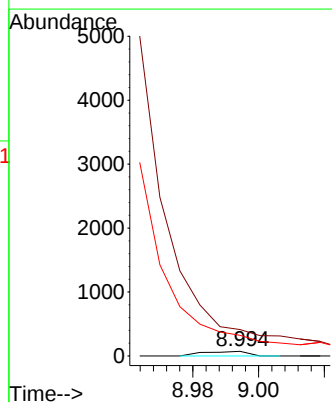
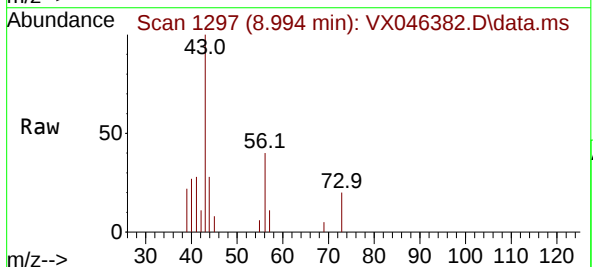
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

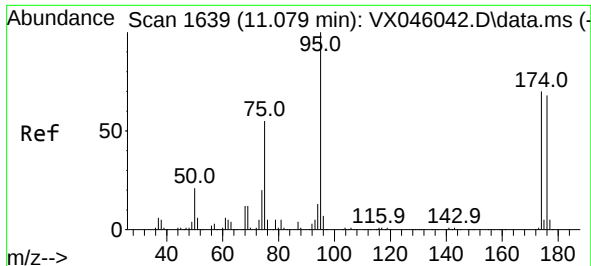
Tgt Ion: 92 Resp: 53
Ion Ratio Lower Upper
92 100
91 509.4 136.6 205.0#



#56
Ethyl methacrylate
Concen: 0.053 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. -0.122 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 69 Resp: 69
Ion Ratio Lower Upper
69 100
41 0.0 60.8 91.2#
39 0.0 39.0 58.6#

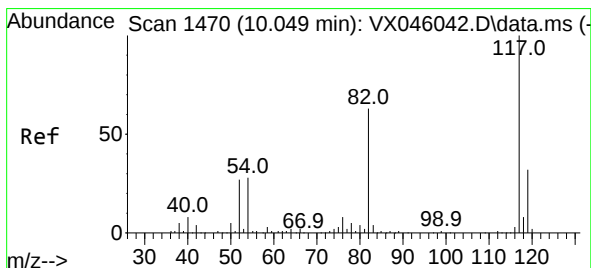
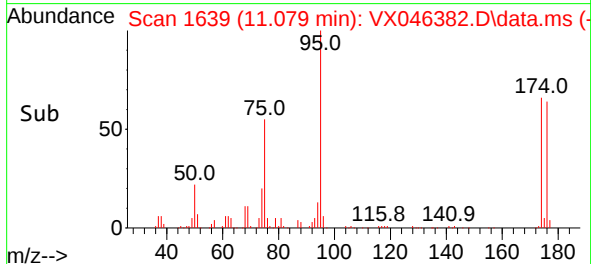
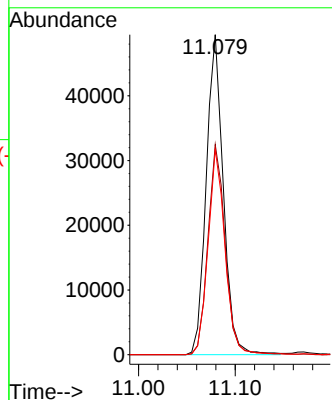
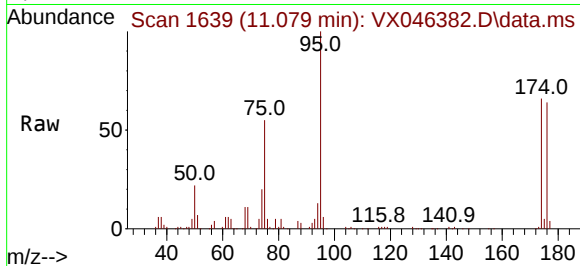




#62
4-Bromofluorobenzene
Concen: 52.988 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

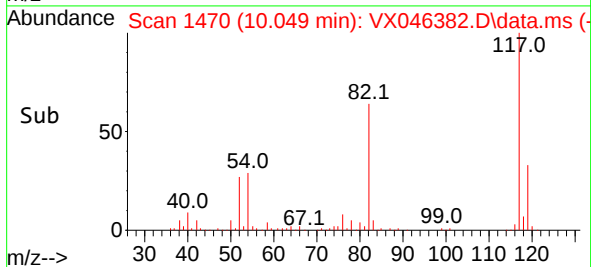
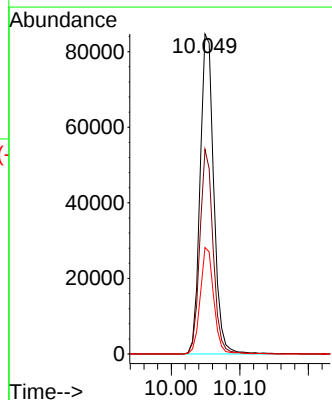
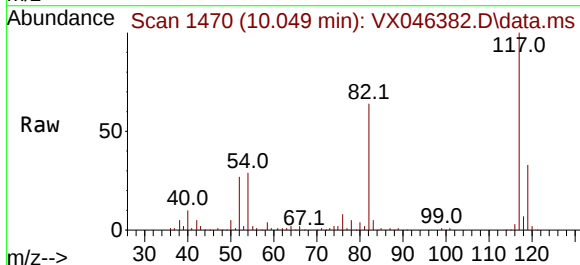
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

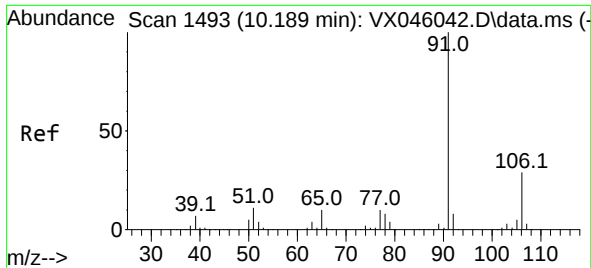
Tgt Ion: 95 Resp: 60826
Ion Ratio Lower Upper
95 100
174 66.7 0.0 135.8
176 63.9 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 117 Resp: 117615
Ion Ratio Lower Upper
117 100
82 63.9 50.6 76.0
119 33.2 25.8 38.6

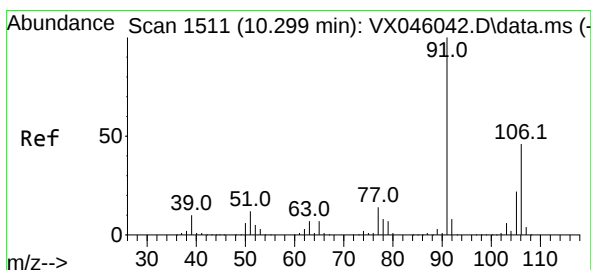
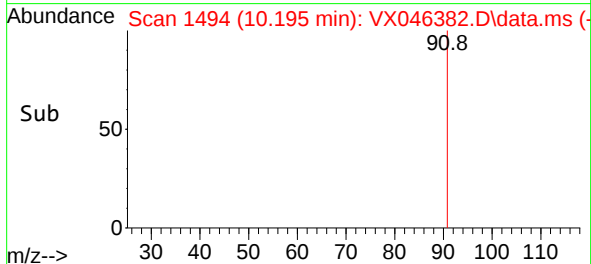
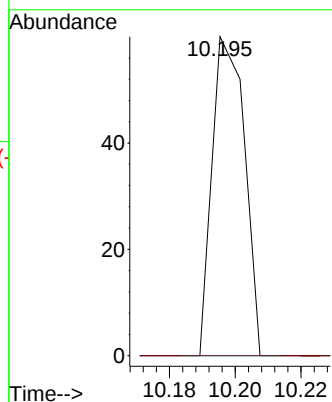
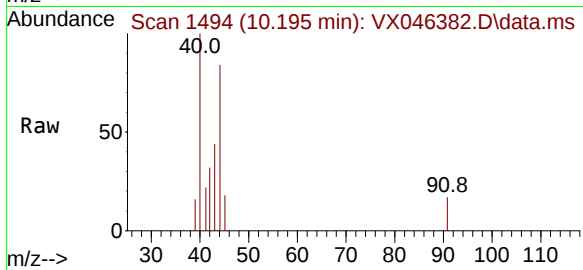




#67
Ethyl Benzene
Concen: 0.009 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

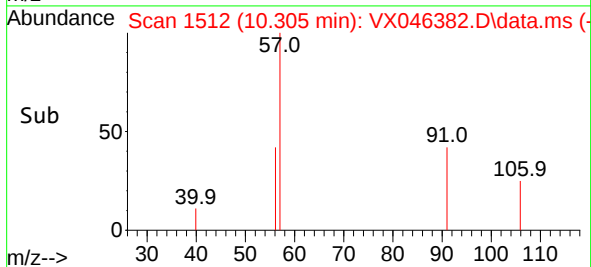
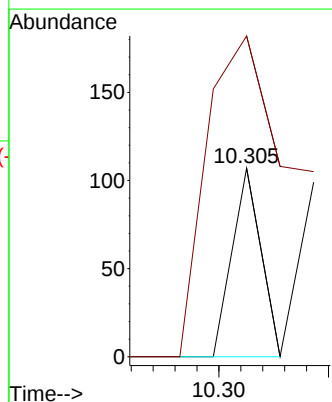
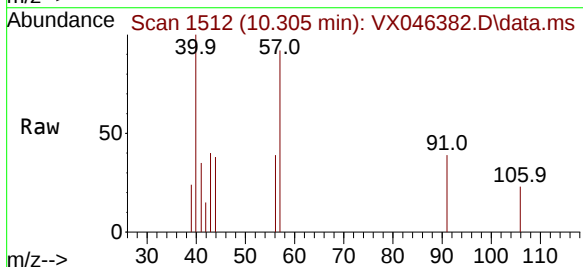
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

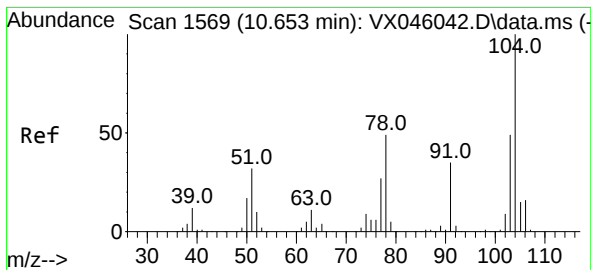
Tgt Ion: 91 Resp: 41
Ion Ratio Lower Upper
91 100
106 0.0 23.4 35.2#



#68
m/p-Xylenes
Concen: 0.023 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 106 Resp: 39
Ion Ratio Lower Upper
106 100
91 628.2 171.2 256.8#





#70

Styrene

Concen: 0.017 ug/l

RT: 10.677 min Scan# 1

Delta R.T. 0.024 min

Lab File: VX046382.D

Acq: 28 May 2025 13:52

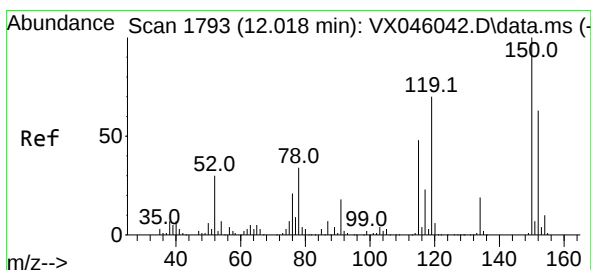
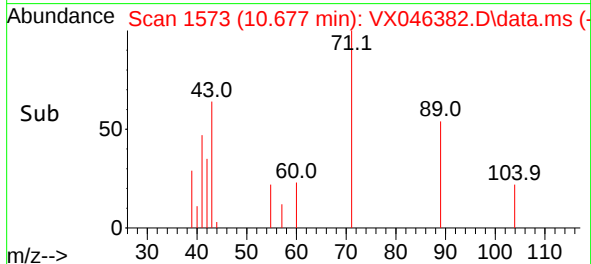
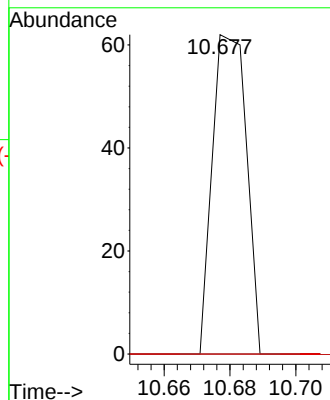
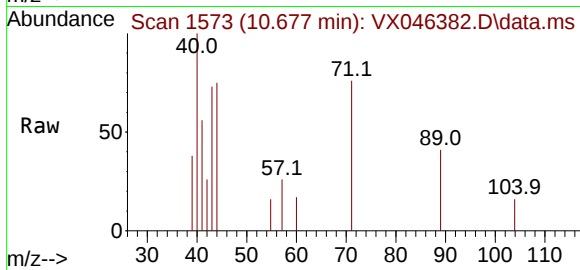
Instrument :

MSVOA_X

ClientSampleId :

AUD-25-0080

Tgt Ion:104	Resp:	45
Ion Ratio	Lower	Upper
104	100	
78	0.0	45.7 68.5#
103	0.0	43.7 65.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

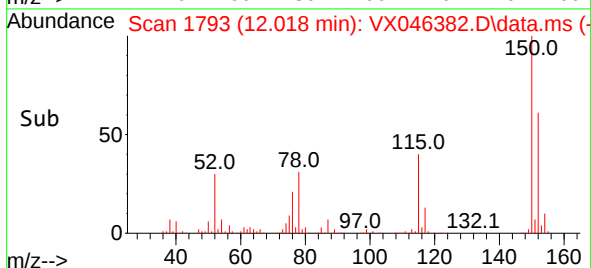
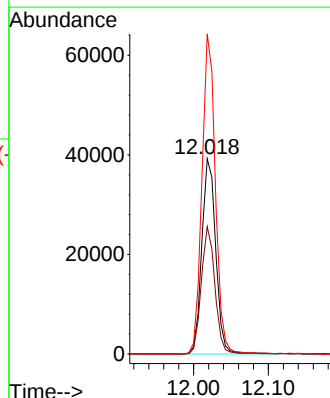
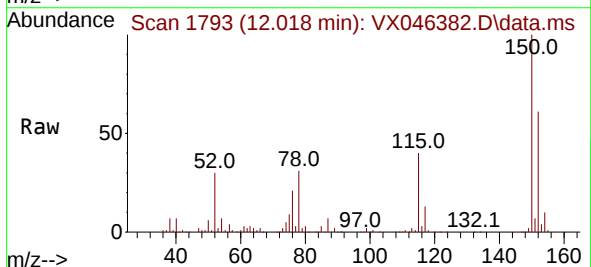
RT: 12.018 min Scan# 1793

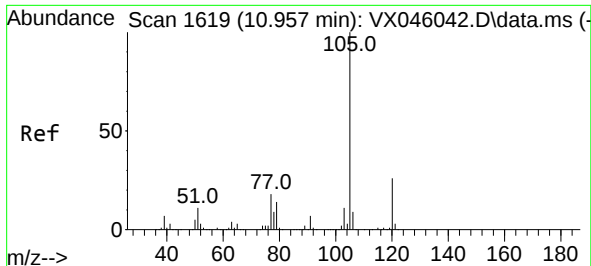
Delta R.T. 0.000 min

Lab File: VX046382.D

Acq: 28 May 2025 13:52

Tgt Ion:152	Resp:	50860
Ion Ratio	Lower	Upper
152	100	
115	63.8	46.9 140.7
150	158.0	0.0 351.0

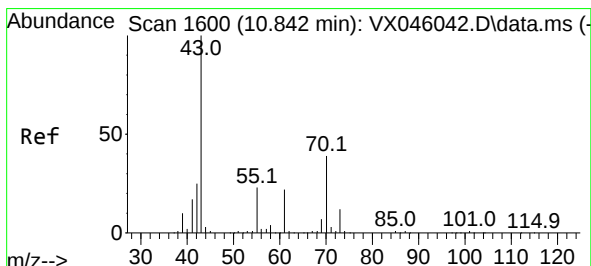
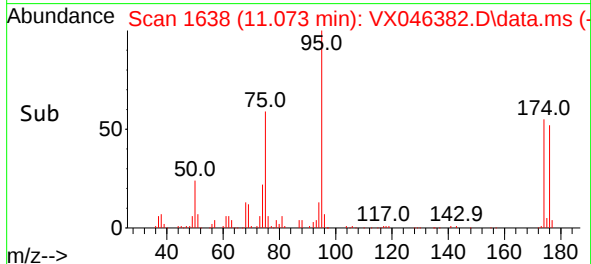
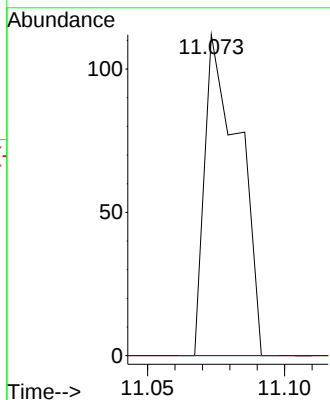
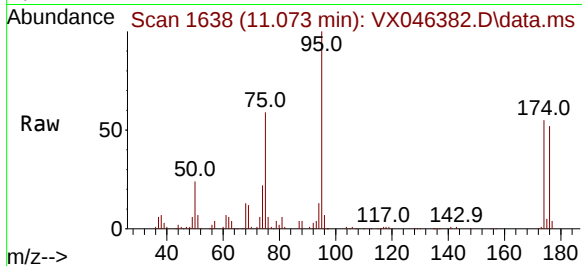




#73
Isopropylbenzene
Concen: 0.025 ug/l
RT: 11.073 min Scan# 1638
Delta R.T. 0.116 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

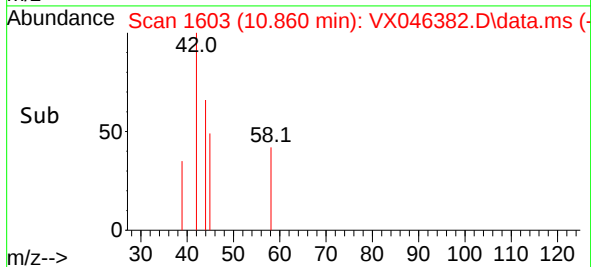
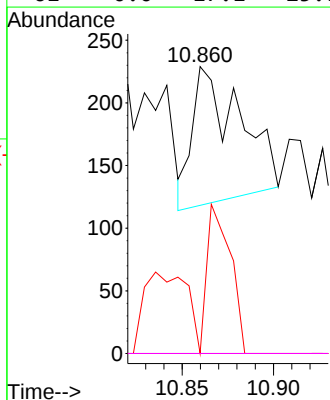
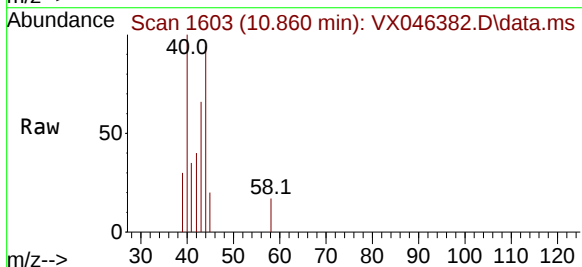
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

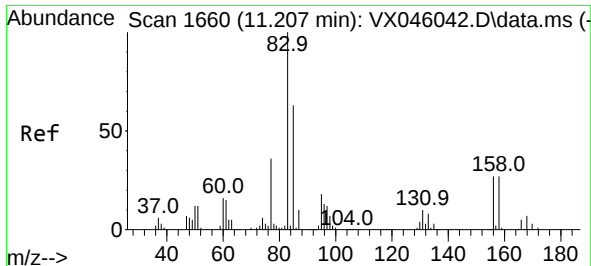
Tgt Ion:105 Resp: 98
Ion Ratio Lower Upper
105 100
120 0.0 12.8 38.4#



#74
N-ethyl acetate
Concen: 0.100 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 43 Resp: 196
Ion Ratio Lower Upper
43 100
70 0.0 30.9 46.3#
55 54.1 18.7 28.1#
61 0.0 17.1 25.7#

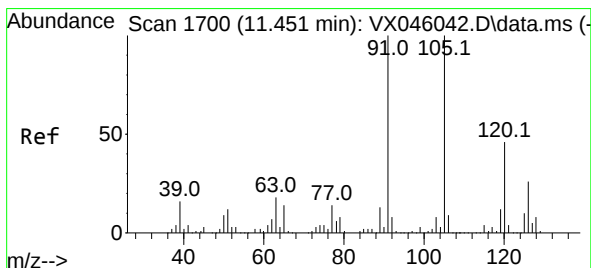
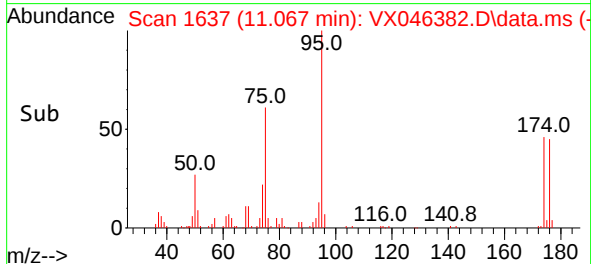
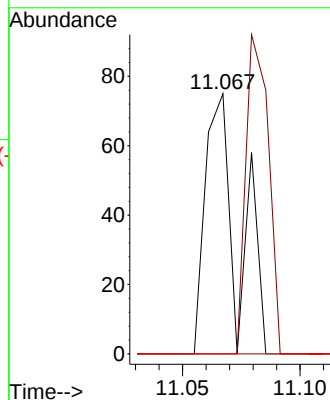
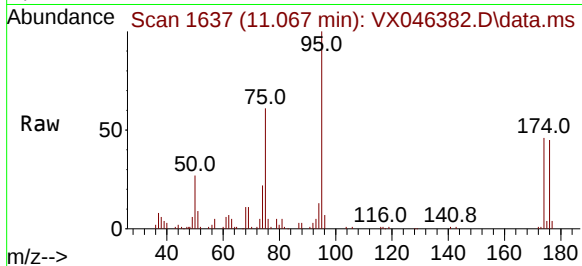




#75
1,1,2-Tetrachloroethane
Concen: 0.052 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. -0.140 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

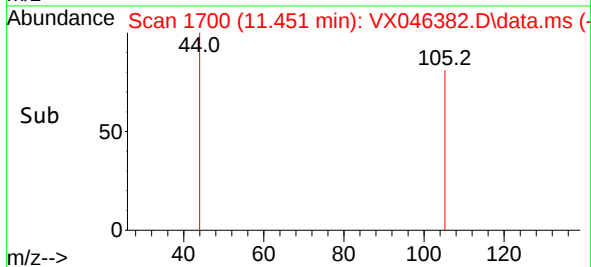
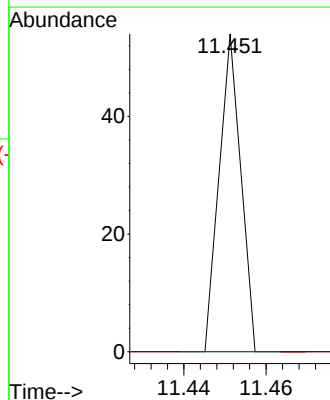
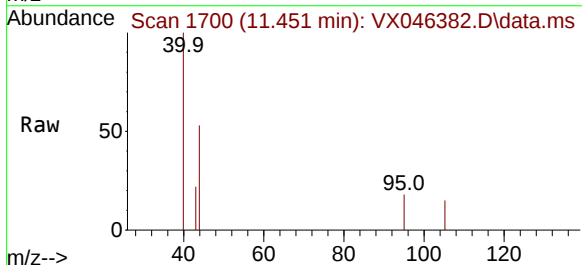
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

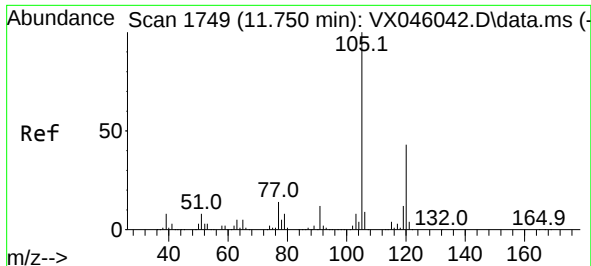
Tgt Ion: 83 Resp: 72
Ion Ratio Lower Upper
83 100
131 84.7 5.0 14.9#
85 0.0 31.9 95.7#



#80
1,3,5-Trimethylbenzene
Concen: 0.006 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 105 Resp: 20
Ion Ratio Lower Upper
105 100
120 0.0 23.1 69.2#

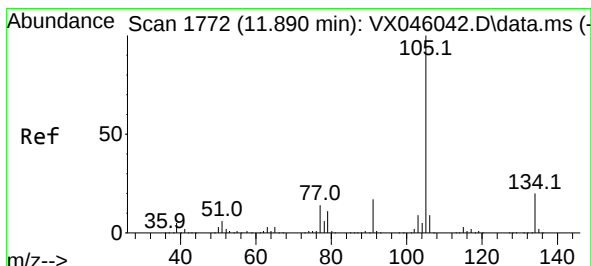
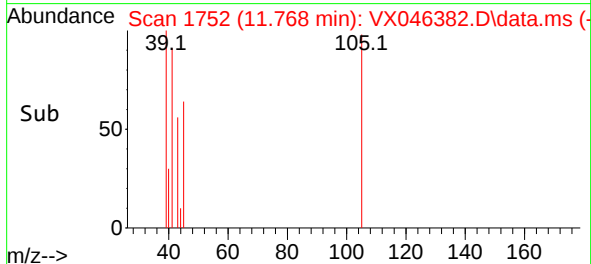
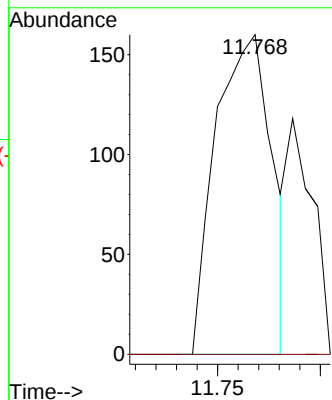
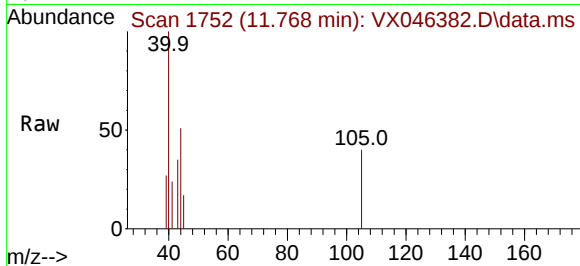




#84
1,2,4-Trimethylbenzene
Concen: 0.091 ug/l
RT: 11.768 min Scan# 1752
Delta R.T. 0.018 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

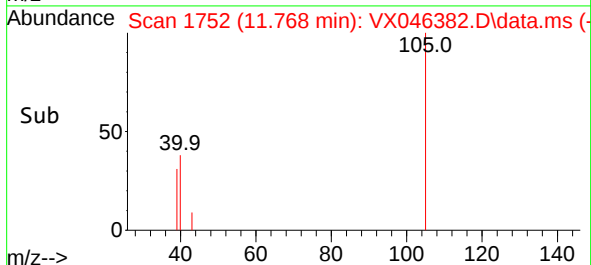
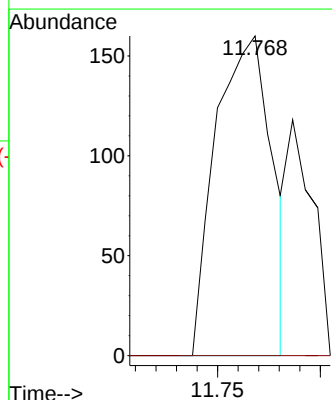
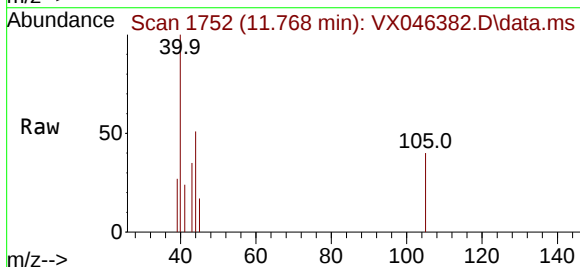
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

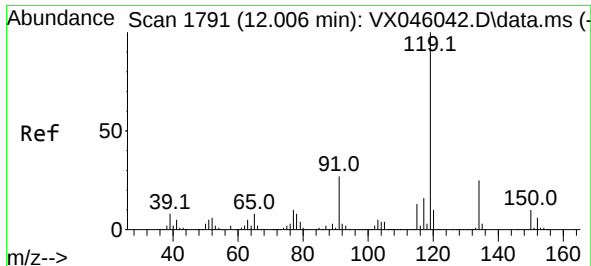
Tgt Ion:105 Resp: 304
Ion Ratio Lower Upper
105 100
120 0.0 21.2 63.6#



#85
sec-Butylbenzene
Concen: 0.074 ug/l
RT: 11.768 min Scan# 1752
Delta R.T. -0.122 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion:105 Resp: 304
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#

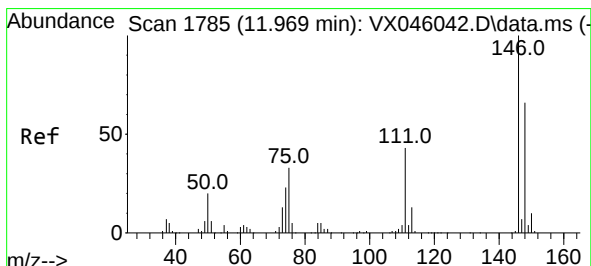
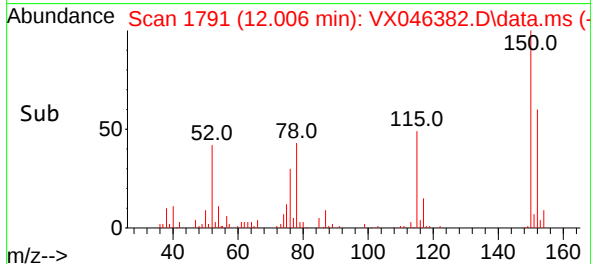
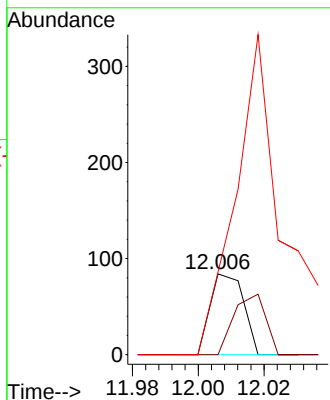
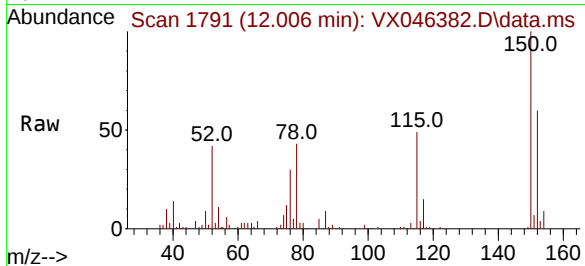




#86
p-Isopropyltoluene
Concen: 0.017 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

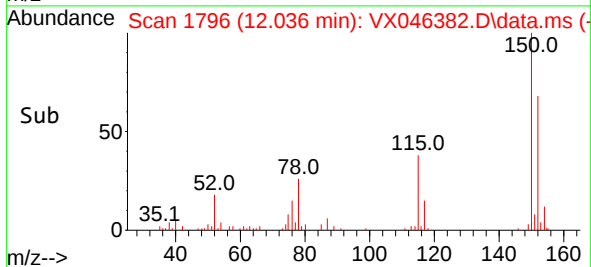
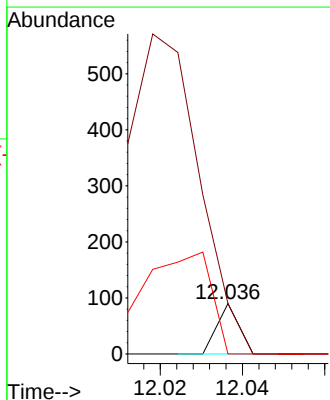
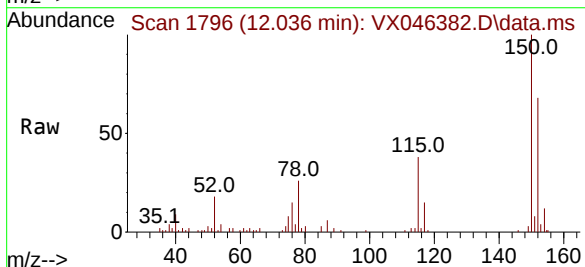
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

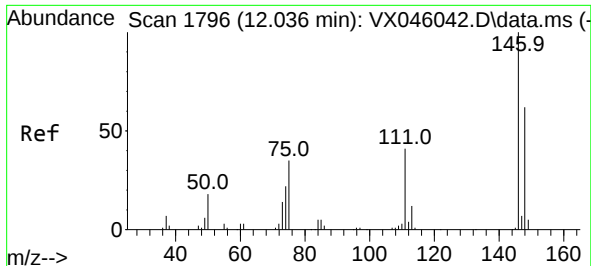
Tgt Ion:119 Resp: 59
Ion Ratio Lower Upper
119 100
134 71.2 12.5 37.5#
91 552.5 13.8 41.4#



#87
1,3-Dichlorobenzene
Concen: 0.020 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.067 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion:146 Resp: 33
Ion Ratio Lower Upper
146 100
111 2200.0 22.1 66.3#
148 700.0 32.1 96.5#

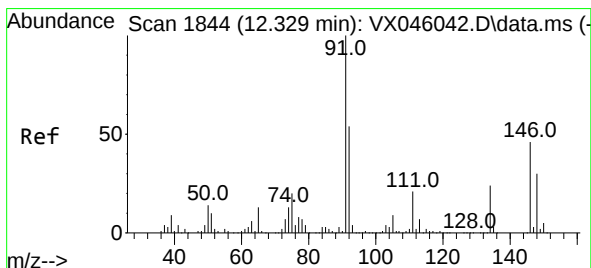
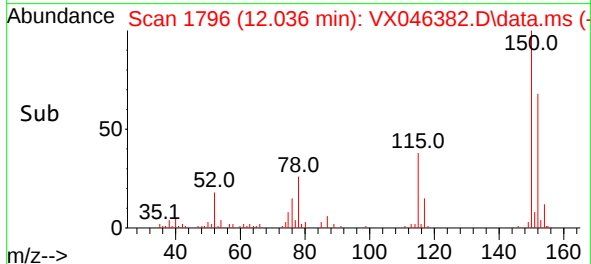
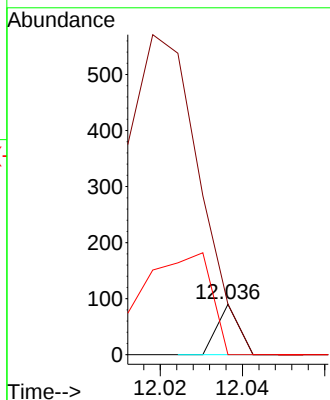
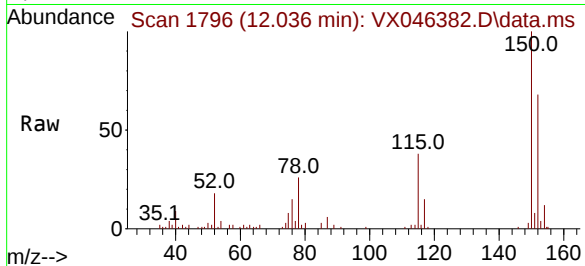




#88
1,4-Dichlorobenzene
Concen: 0.019 ug/l
RT: 12.036 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

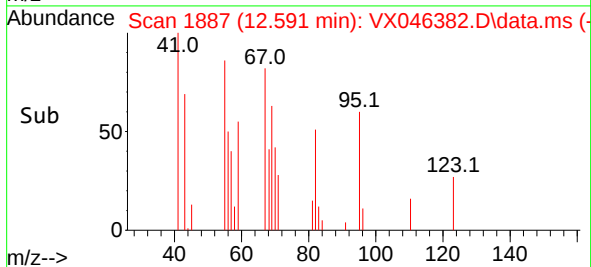
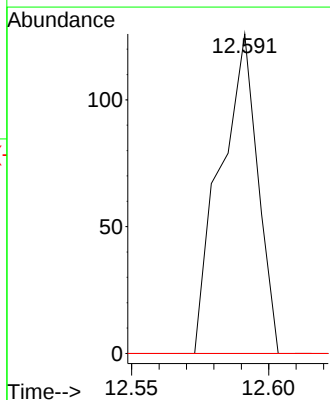
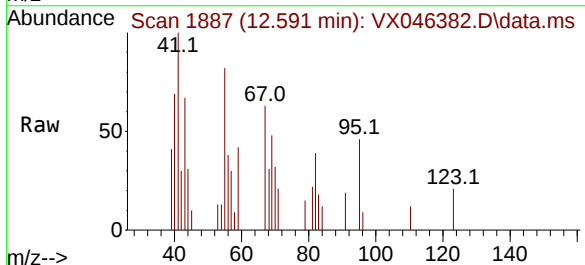
Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

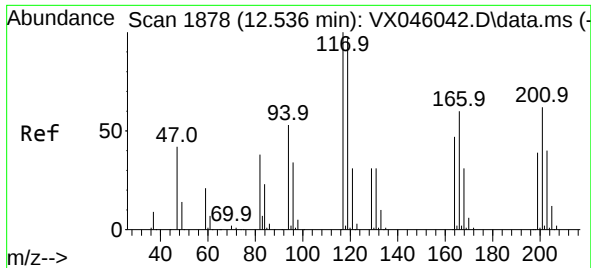
Tgt Ion:146 Resp: 33
Ion Ratio Lower Upper
146 100
111 2200.0 21.3 63.9#
148 700.0 31.9 95.5#



#89
n-Butylbenzene
Concen: 0.041 ug/l
RT: 12.591 min Scan# 1887
Delta R.T. 0.262 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Tgt Ion: 91 Resp: 120
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.7#
134 0.0 11.8 35.3#





#90
Hexachloroethane
Concen: 0.032 ug/l
RT: 12.616 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX046382.D
Acq: 28 May 2025 13:52

Instrument :
MSVOA_X
ClientSampleId :
AUD-25-0080

Tgt Ion:117 Resp: 19
Ion Ratio Lower Upper
117 100
201 0.0 31.6 94.7#

