

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110122\
 Data File : VN075105.D
 Acq On : 01 Nov 2022 18:22
 Operator : JC\MD
 Sample : N5417-08 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1905

Quant Time: Nov 02 07:12:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

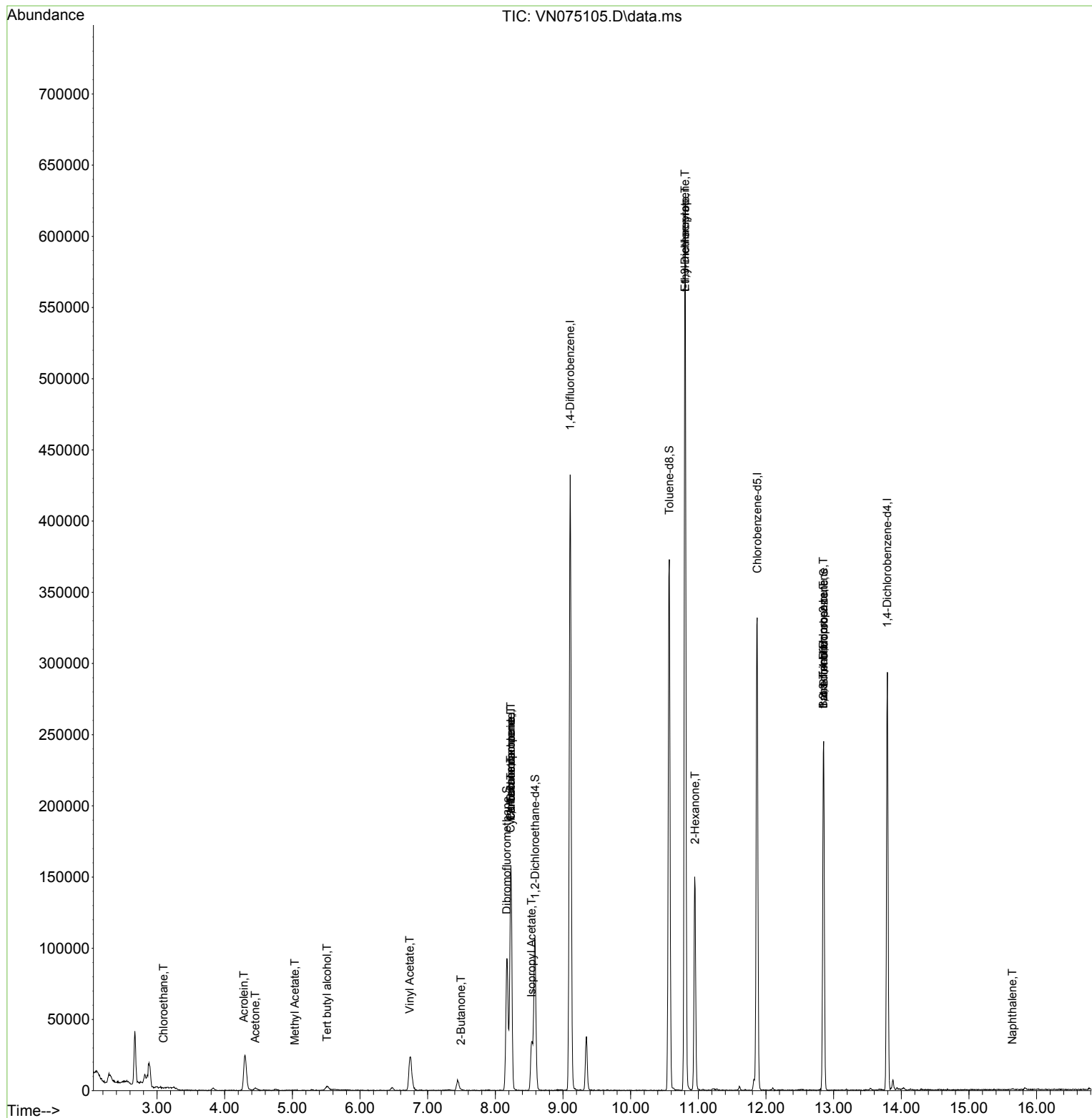
Internal Standards						
1) Pentafluorobenzene	8.229	168	111028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	216840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	191019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	74400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	87474	58.473	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.940%
35) Dibromofluoromethane	8.171	113	65925	51.789	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.580%
50) Toluene-d8	10.571	98	257333	52.105	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.200%
62) 4-Bromofluorobenzene	12.853	95	83042	47.866	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.740%
Target Compounds						
					Qvalue	
5) Bromomethane	2.906	94	66	Below Cal	#	5
6) Chloroethane	3.095	64	353	0.225	ug/l #	45
11) Tert butyl alcohol	5.512	59	2876	8.244	ug/l #	72
13) Acrolein	4.283	56	145	0.508	ug/l #	15
16) Acetone	4.453	43	3297	5.205	ug/l	93
18) Methyl Acetate	5.036	43	536	0.259	ug/l #	47
23) Vinyl Acetate	6.735	43	4979	1.572	ug/l #	67
25) 2-Butanone	7.494	43	444	0.446	ug/l #	43
31) Cyclohexane	8.224	56	2873	1.291	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	9906	5.026	ug/l #	48
38) Carbon Tetrachloride	8.229	117	12039	5.553	ug/l #	16
43) Isopropyl Acetate	8.535	43	23916	7.134	ug/l #	53
53) t-1,3-Dichloropropene	10.806	75	1156	0.506	ug/l #	43
56) Ethyl methacrylate	10.806	69	976	0.400	ug/l #	1
59) 2-Hexanone	10.953	43	12255	7.464	ug/l	95
71) Bromoform	12.847	173	582	0.514	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.794	83	205	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.847	75	46282	29.298	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	46282	75.207	ug/l #	10
95) Naphthalene	15.641	128	1172	0.277	ug/l #	69

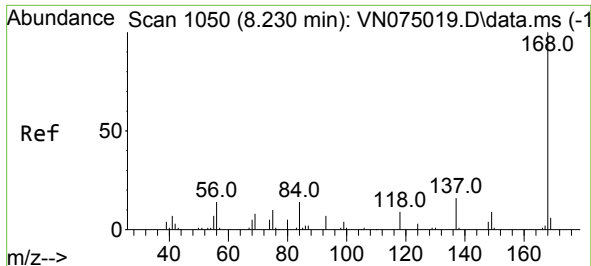
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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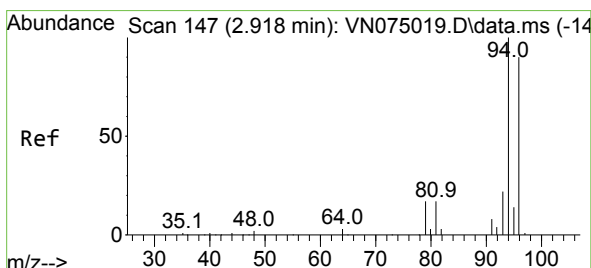
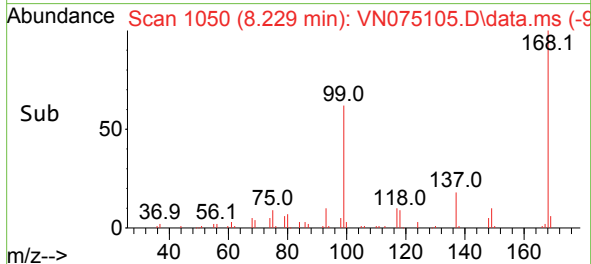
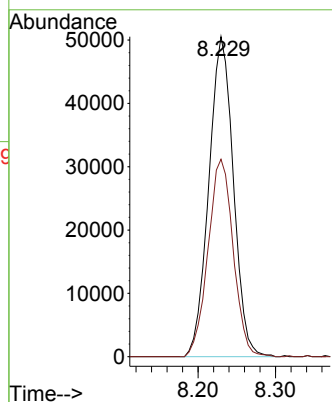
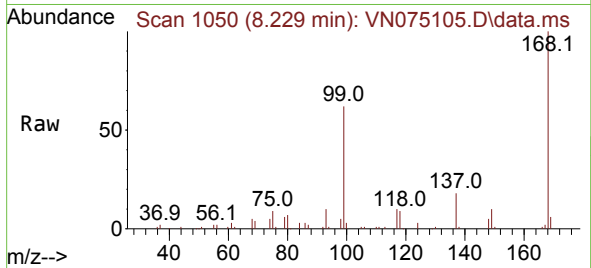




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

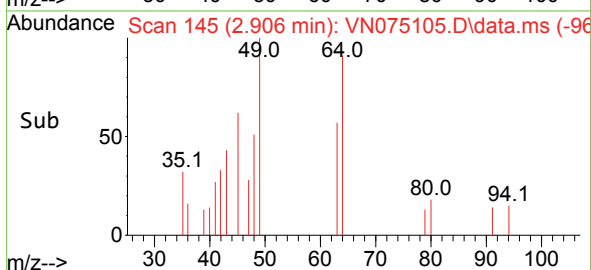
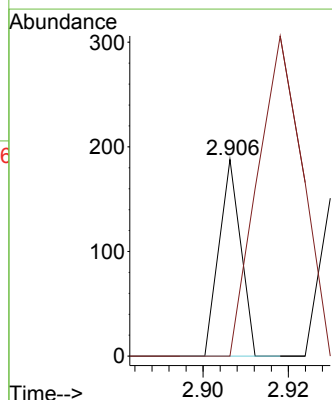
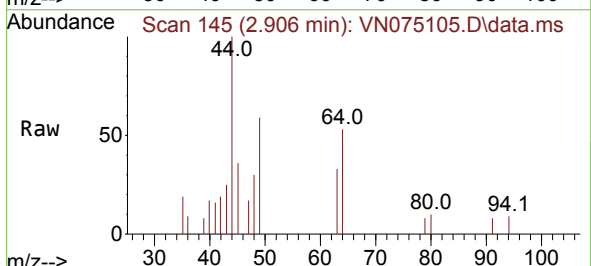
Instrument :
MSVOA_N
ClientSampleId :
AUD-1905

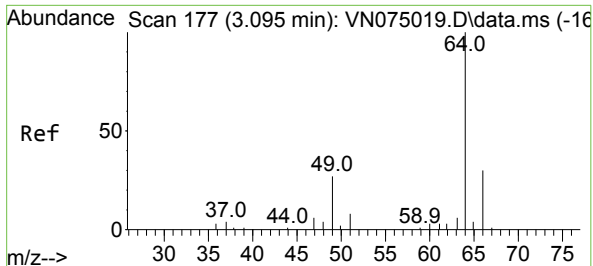
Tgt Ion:168 Resp: 111028
Ion Ratio Lower Upper
168 100
99 61.7 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.906 min Scan# 145
Delta R.T. -0.012 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

Tgt Ion: 94 Resp: 66
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

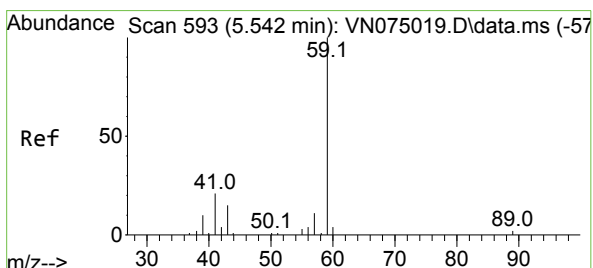
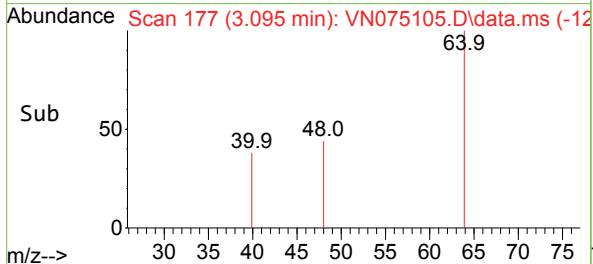
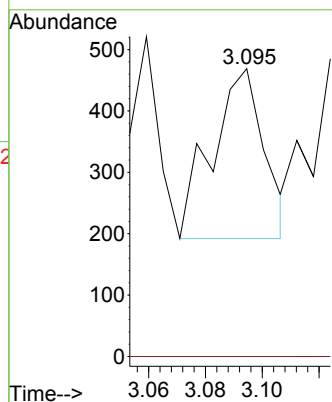
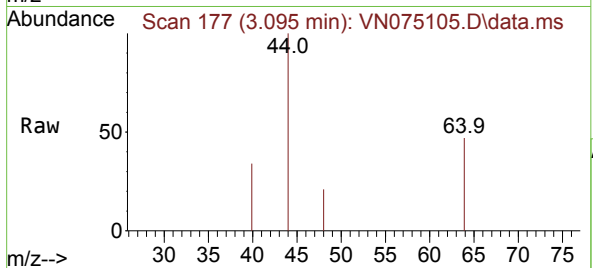




#6
Chloroethane
Concen: 0.225 ug/l
RT: 3.095 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

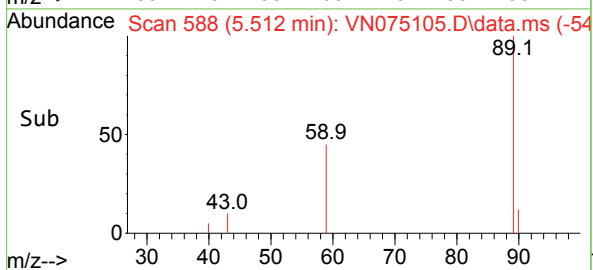
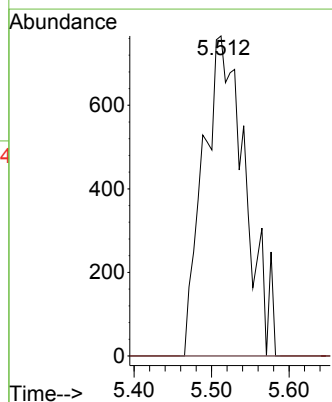
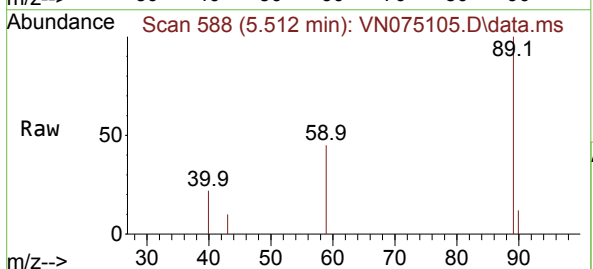
Instrument :
MSVOA_N
ClientSampleId :
AUD-1905

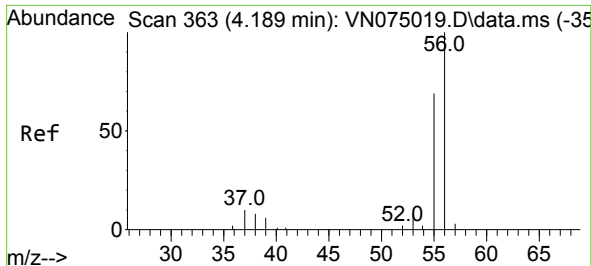
Tgt Ion: 64 Resp: 353
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 8.244 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

Tgt Ion: 59 Resp: 2876
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.508 ug/l

RT: 4.283 min Scan# 31

Delta R.T. 0.094 min

Lab File: VN075105.D

Acq: 01 Nov 2022 18:22

Instrument :

MSVOA_N

ClientSampleId :

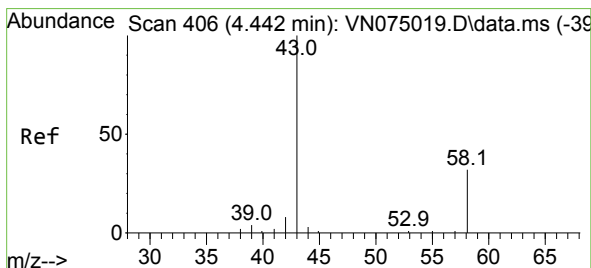
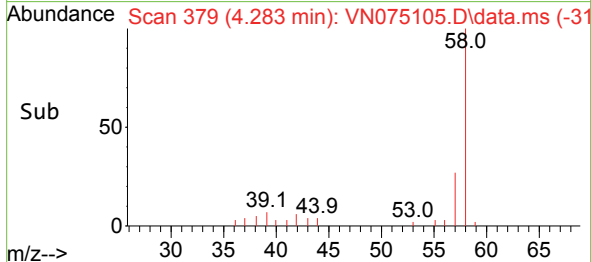
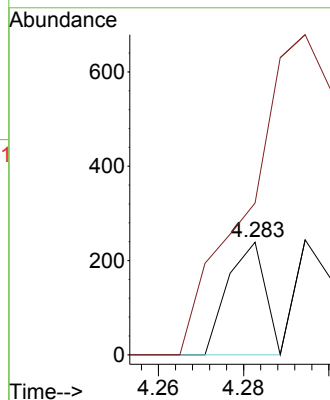
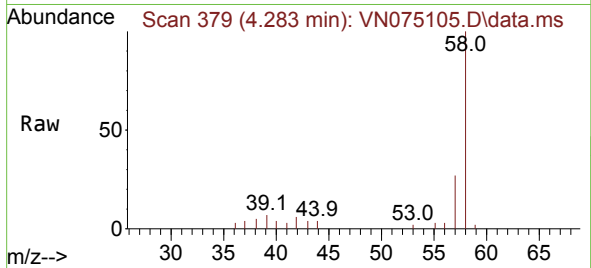
AUD-1905

Tgt Ion: 56 Resp: 145

Ion Ratio Lower Upper

56 100

55 0.0 55.2 82.8#



#16

Acetone

Concen: 5.205 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.011 min

Lab File: VN075105.D

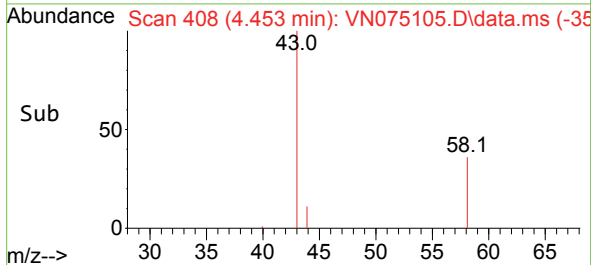
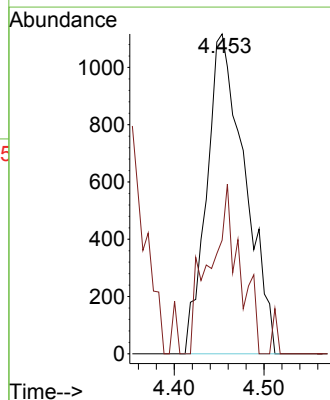
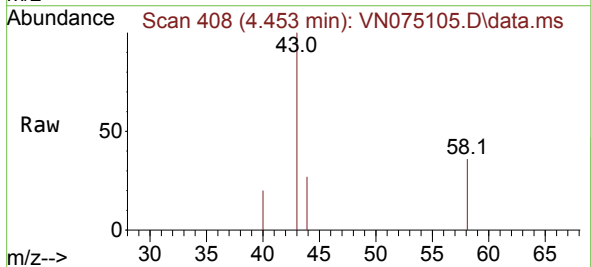
Acq: 01 Nov 2022 18:22

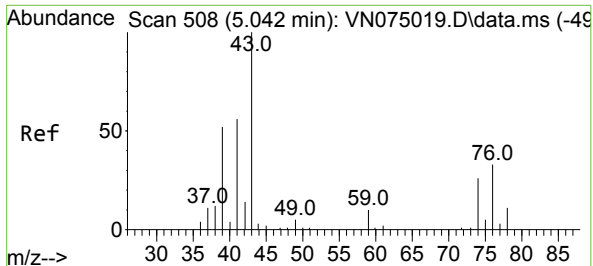
Tgt Ion: 43 Resp: 3297

Ion Ratio Lower Upper

43 100

58 35.5 25.5 38.3

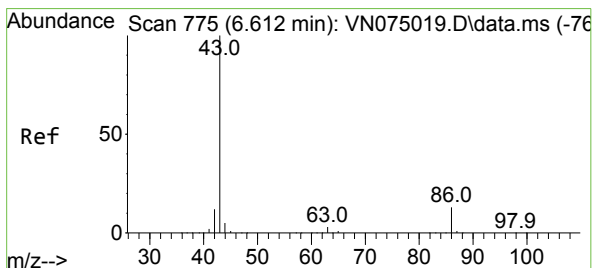
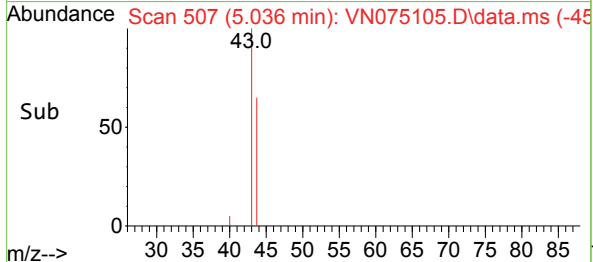
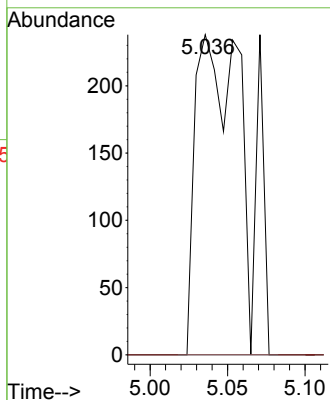
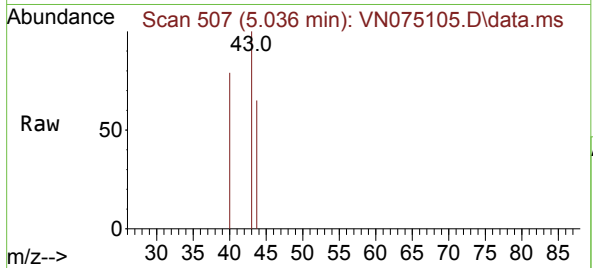




#18
Methyl Acetate
Concen: 0.259 ug/l
RT: 5.036 min Scan# 508
Delta R.T. -0.006 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

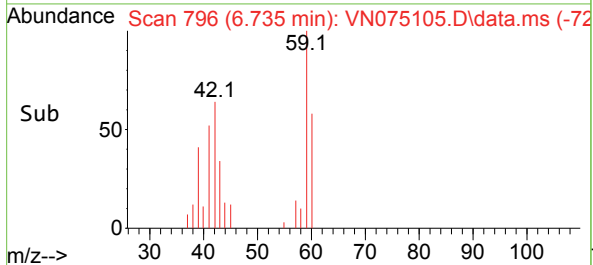
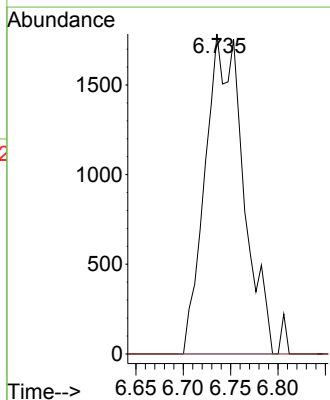
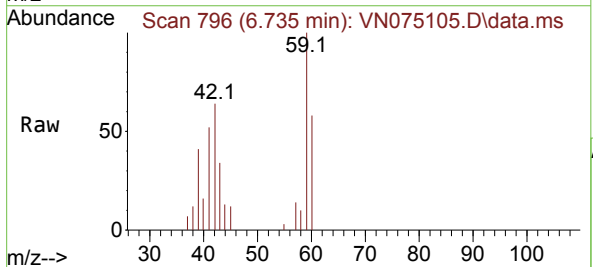
Instrument :
MSVOA_N
ClientSampleId :
AUD-1905

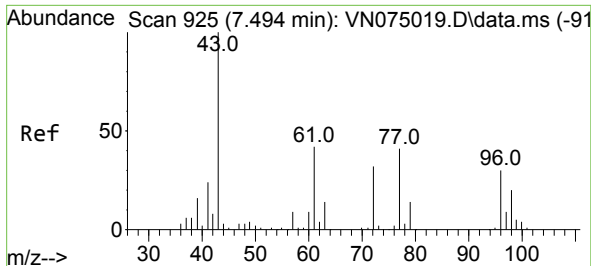
Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



#23
Vinyl Acetate
Concen: 1.572 ug/l
RT: 6.735 min Scan# 796
Delta R.T. 0.123 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

Tgt Ion: 43 Resp: 4979
Ion Ratio Lower Upper
43 100
86 0.0 10.7 16.1#

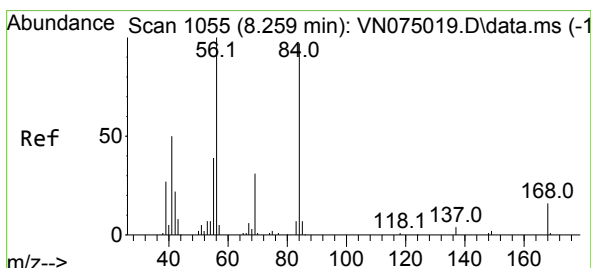
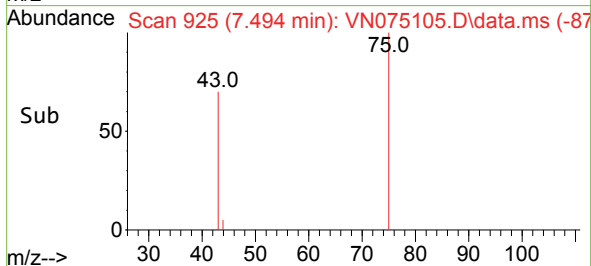
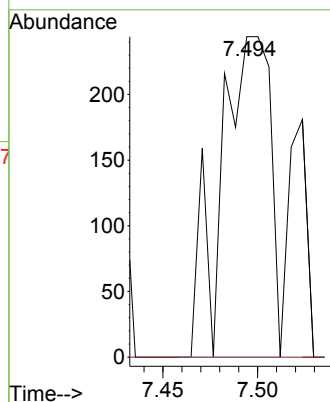
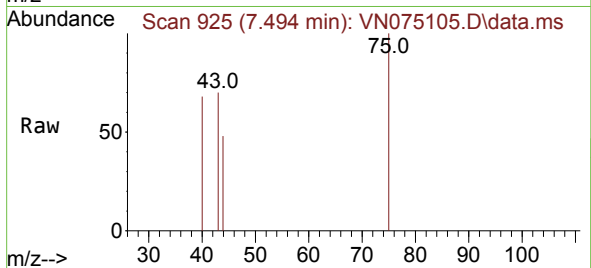




#25
2-Butanone
Concen: 0.446 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

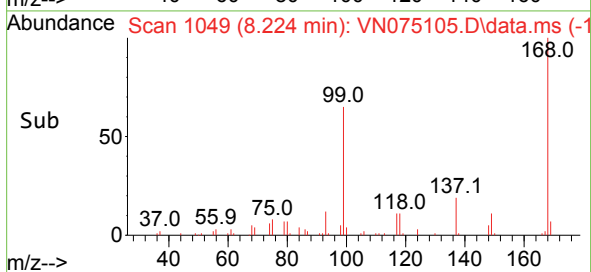
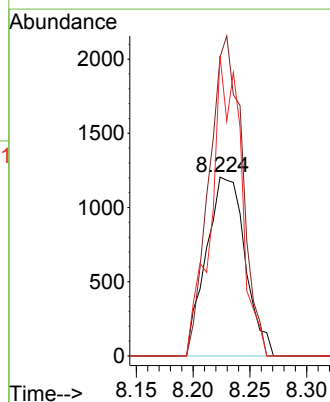
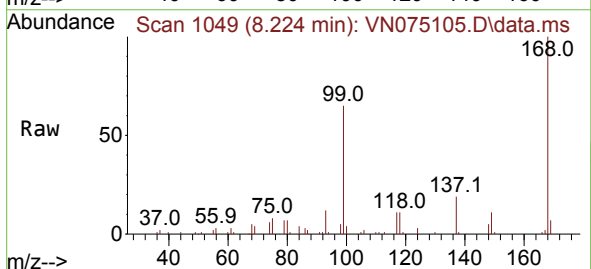
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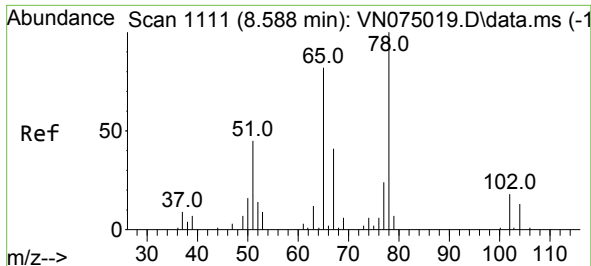
Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.291 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

Tgt Ion: 56 Resp: 2873
Ion Ratio Lower Upper
56 100
69 167.1 25.2 37.8#
84 167.8 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 58.473 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VN075105.D

Acq: 01 Nov 2022 18:22

Instrument :

MSVOA_N

ClientSampleId :

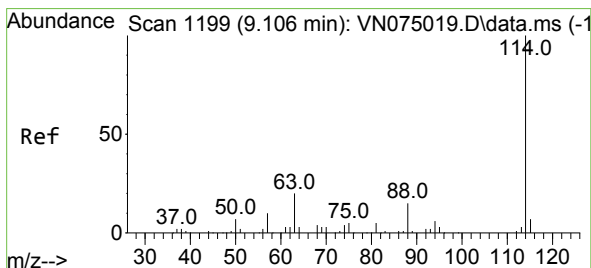
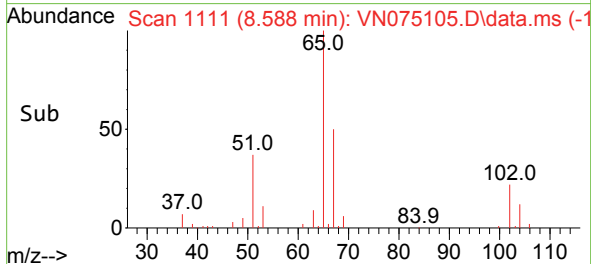
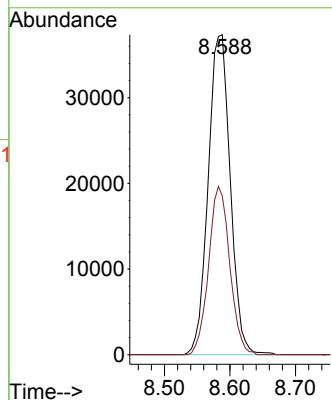
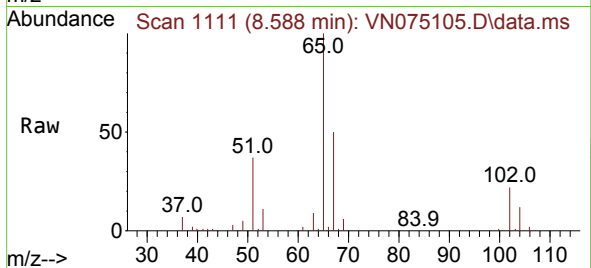
AUD-1905

Tgt Ion: 65 Resp: 87474

Ion Ratio Lower Upper

65 100

67 50.2 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075105.D

Acq: 01 Nov 2022 18:22

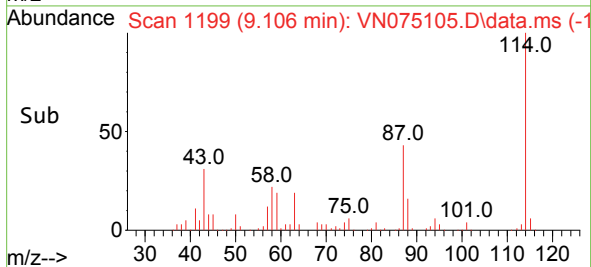
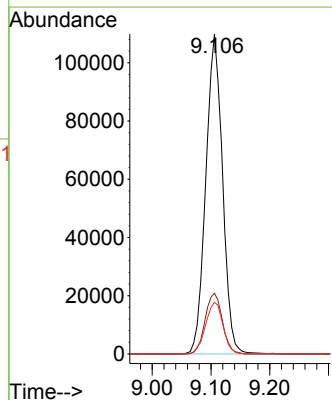
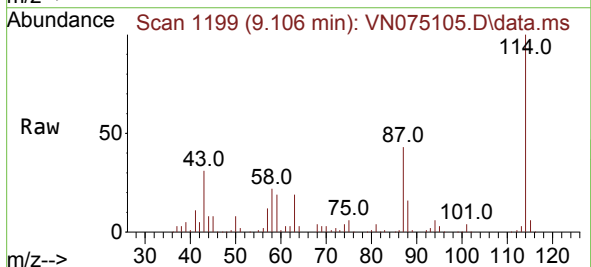
Tgt Ion: 114 Resp: 216840

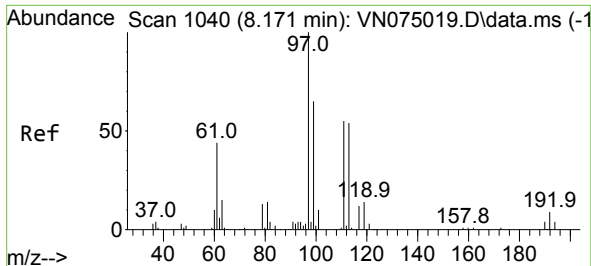
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.789 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075105.D

Acq: 01 Nov 2022 18:22

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AUD-1905

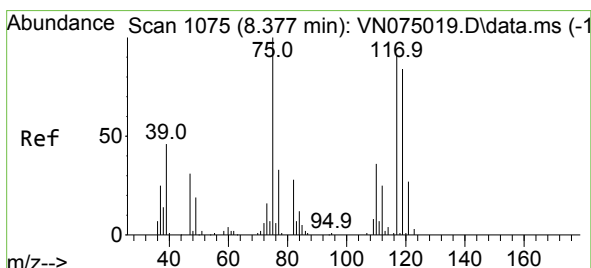
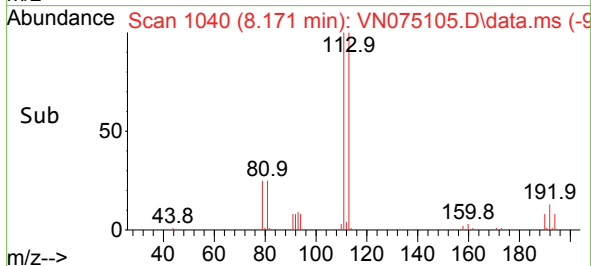
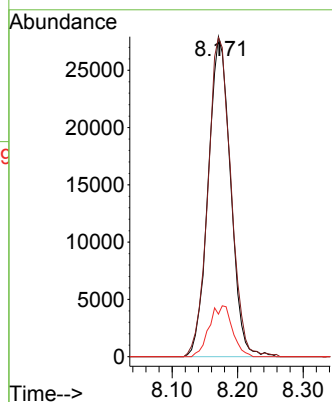
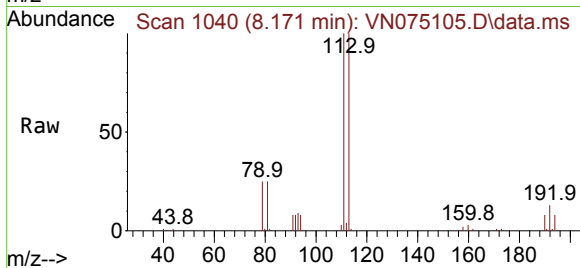
Tgt Ion:113 Resp: 65925

Ion Ratio Lower Upper

113 100

111 102.7 80.5 120.7

192 16.6 13.2 19.8



#36

1,1-Dichloropropene

Concen: 5.026 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN075105.D

Acq: 01 Nov 2022 18:22

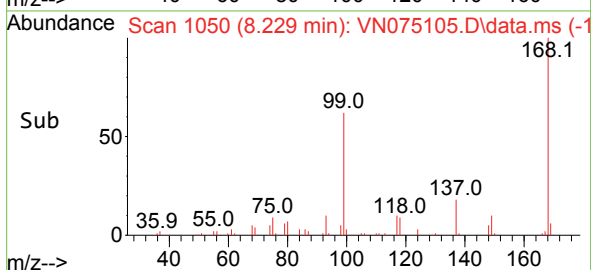
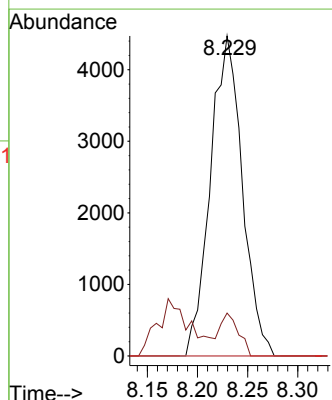
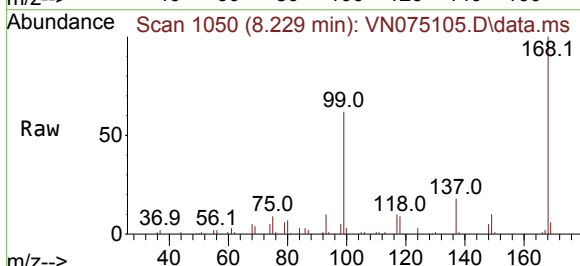
Tgt Ion: 75 Resp: 9906

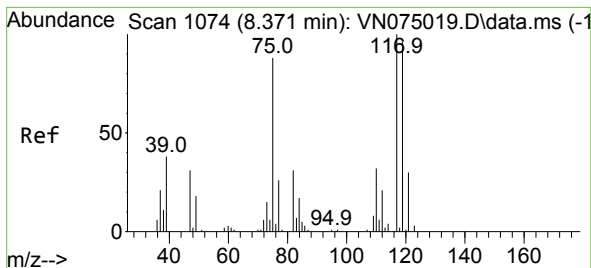
Ion Ratio Lower Upper

75 100

110 7.4 17.8 53.3#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.553 ug/l

RT: 8.229 min Scan# 1102

Delta R.T. -0.142 min

Lab File: VN075105.D

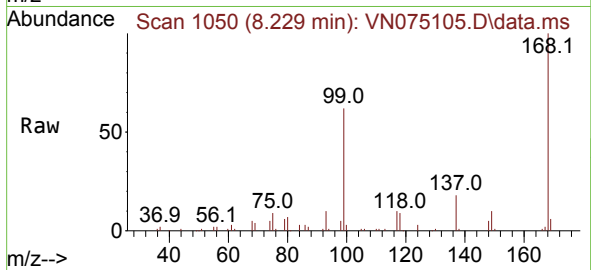
Acq: 01 Nov 2022 18:22

Instrument :

MSVOA_N

ClientSampleId :

AUD-1905



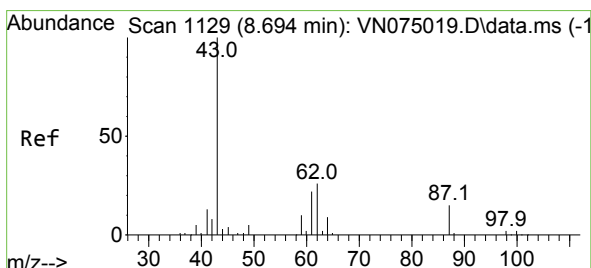
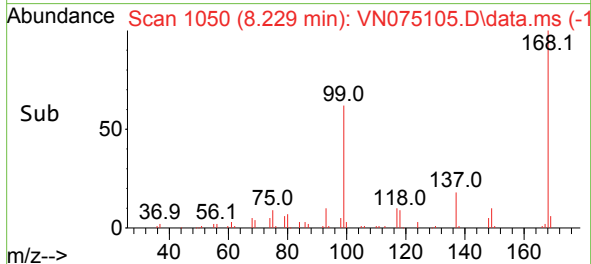
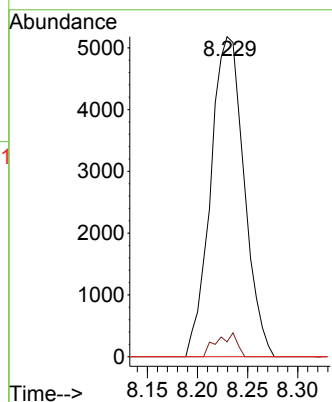
Tgt Ion:117 Resp: 12039

Ion Ratio Lower Upper

117 100

119 4.7 76.7 115.1#

121 0.0 23.9 35.9#



#43

Isopropyl Acetate

Concen: 7.134 ug/l

RT: 8.535 min Scan# 1102

Delta R.T. -0.159 min

Lab File: VN075105.D

Acq: 01 Nov 2022 18:22

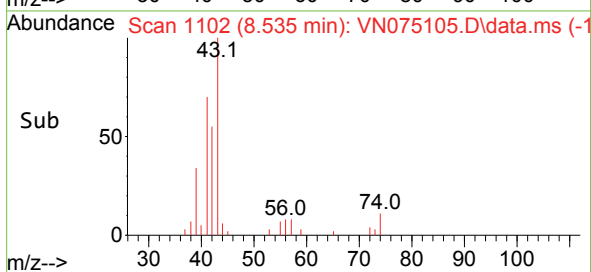
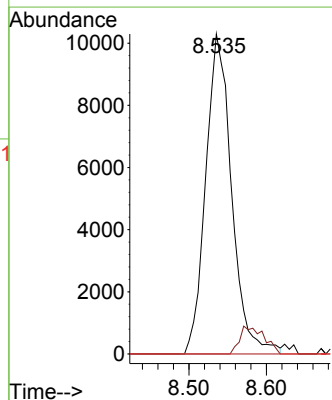
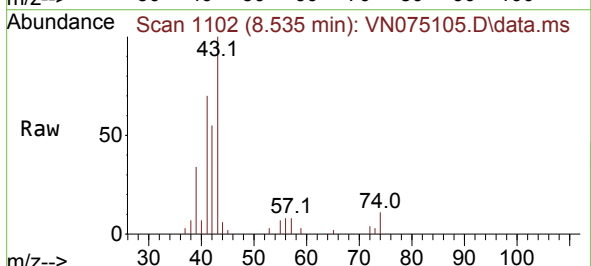
Tgt Ion: 43 Resp: 23916

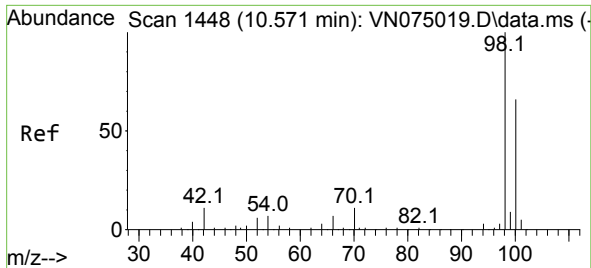
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#

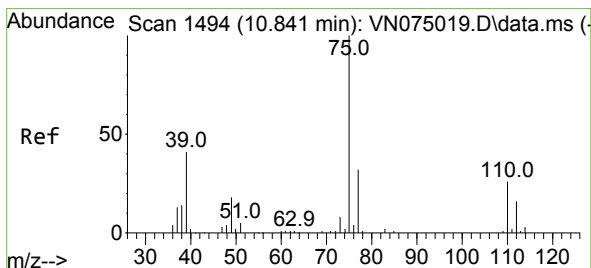
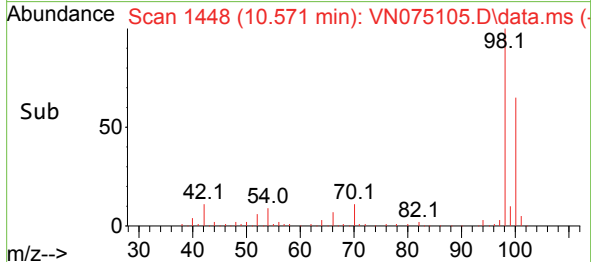
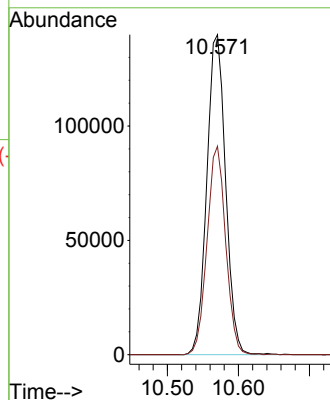
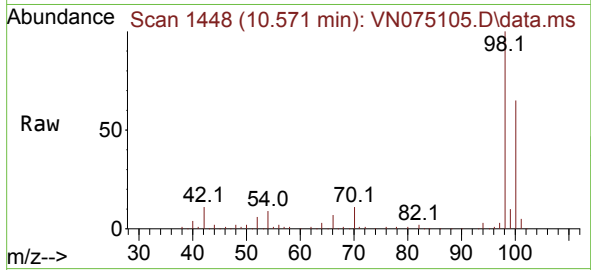




#50
Toluene-d8
Concen: 52.105 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

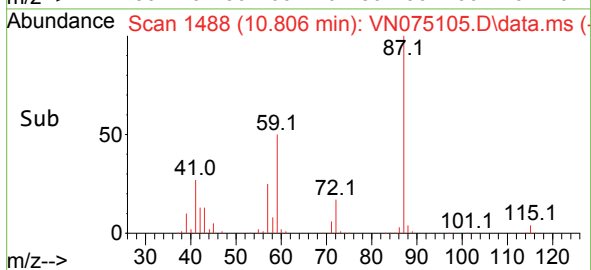
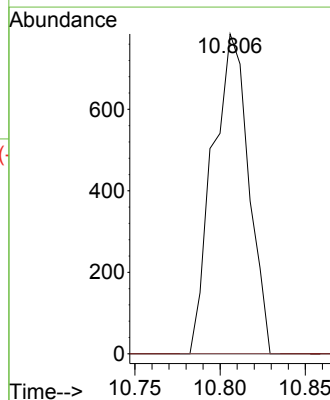
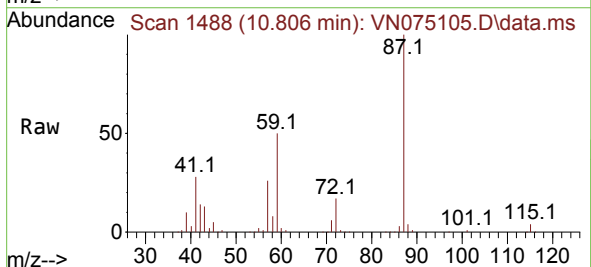
Instrument :
MSVOA_N
ClientSampleId :
AUD-1905

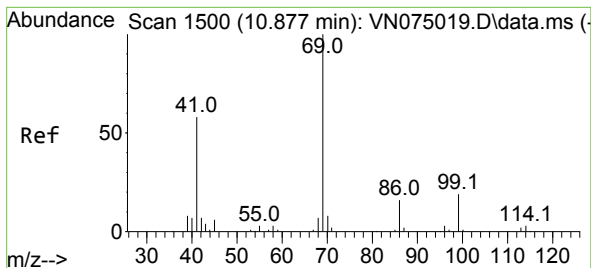
Tgt Ion: 98 Resp: 257333
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.6



#53
t-1,3-Dichloropropene
Concen: 0.506 ug/l
RT: 10.806 min Scan# 1488
Delta R.T. -0.035 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

Tgt Ion: 75 Resp: 1156
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

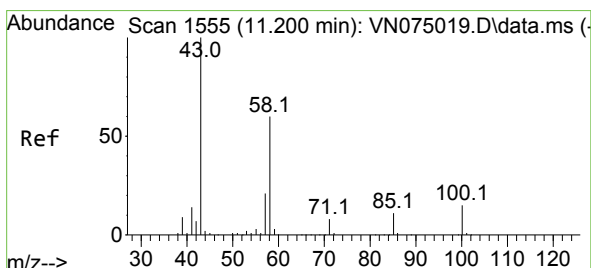
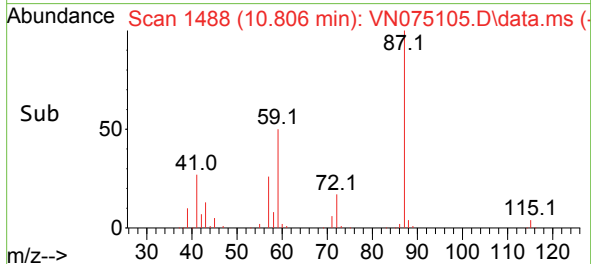
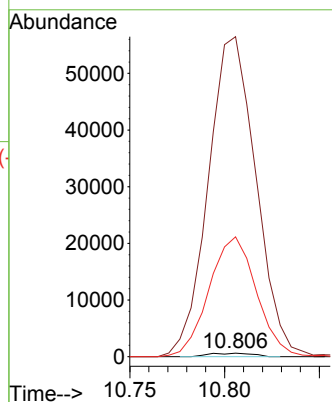
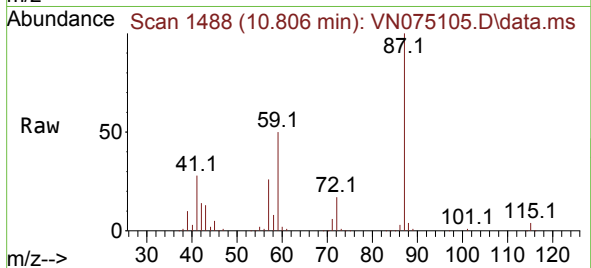




#56
Ethyl methacrylate
Concen: 0.400 ug/l
RT: 10.806 min Scan# 1488
Delta R.T. -0.071 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

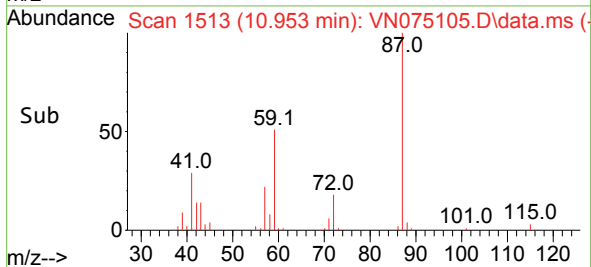
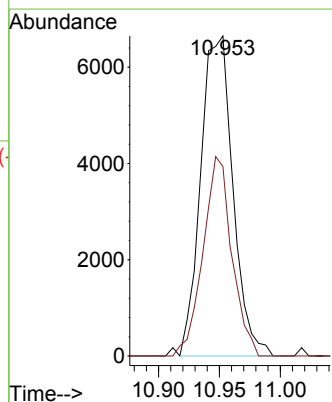
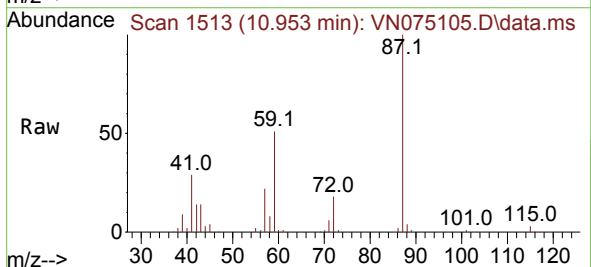
Instrument :
MSVOA_N
ClientSampleId :
AUD-1905

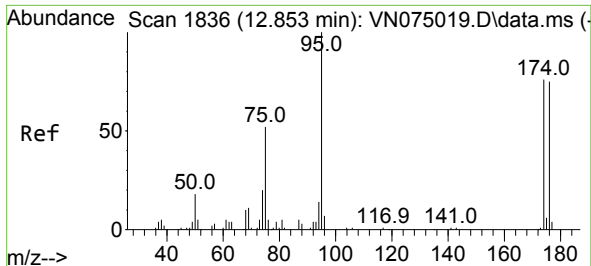
Tgt Ion: 69 Resp: 976
Ion Ratio Lower Upper
69 100
41 10190.0 45.6 68.4#
39 3780.2 28.5 42.7#



#59
2-Hexanone
Concen: 7.464 ug/l
RT: 10.953 min Scan# 1513
Delta R.T. -0.247 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

Tgt Ion: 43 Resp: 12255
Ion Ratio Lower Upper
43 100
58 55.8 29.6 88.8

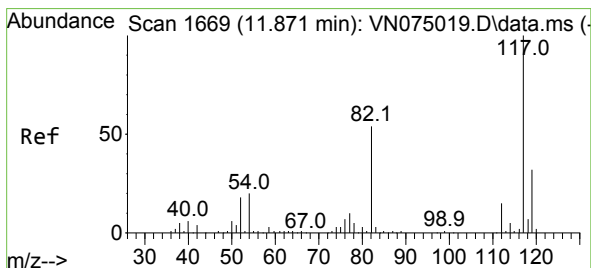
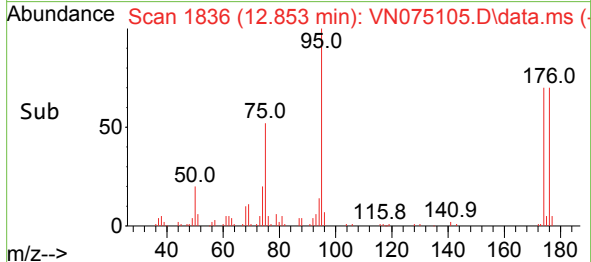
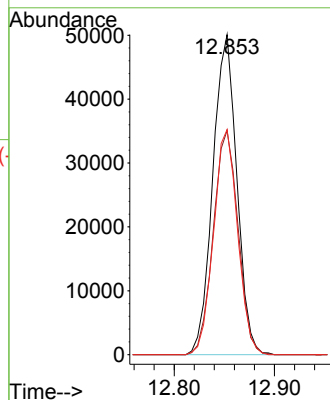
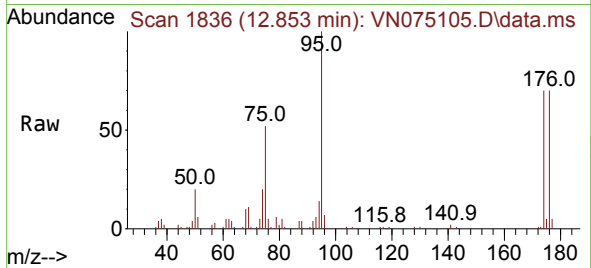




#62
4-Bromofluorobenzene
Concen: 47.866 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

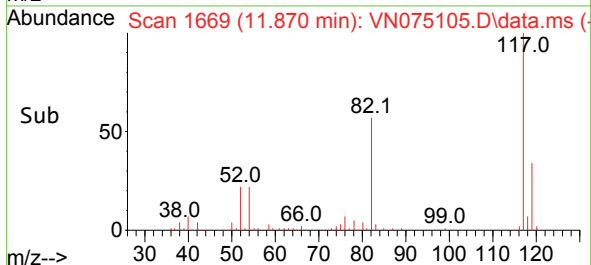
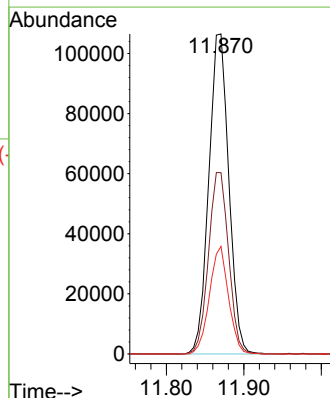
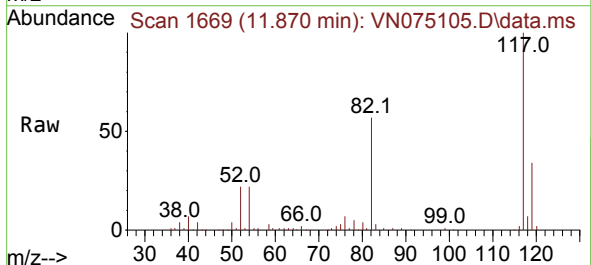
Instrument :
MSVOA_N
ClientSampleId :
AUD-1905

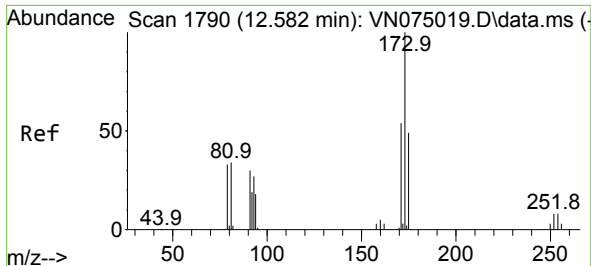
Tgt Ion: 95 Resp: 83042
Ion Ratio Lower Upper
95 100
174 72.3 0.0 147.4
176 70.4 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.001 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

Tgt Ion: 117 Resp: 191019
Ion Ratio Lower Upper
117 100
82 56.6 43.1 64.7
119 33.6 25.5 38.3

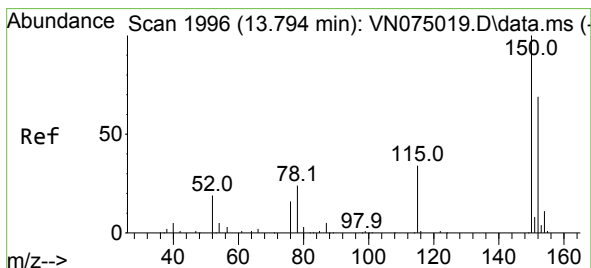
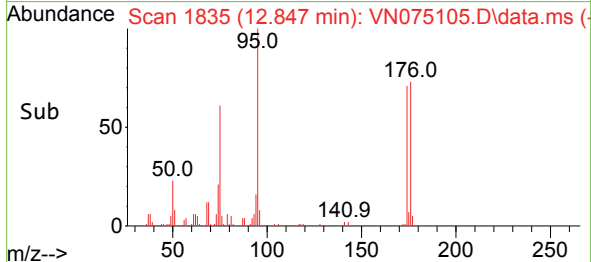
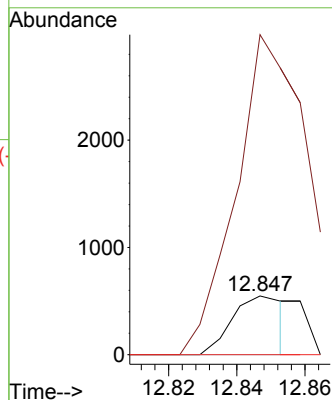
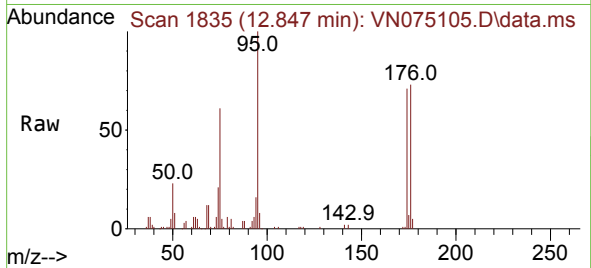




#71
Bromoform
Concen: 0.514 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

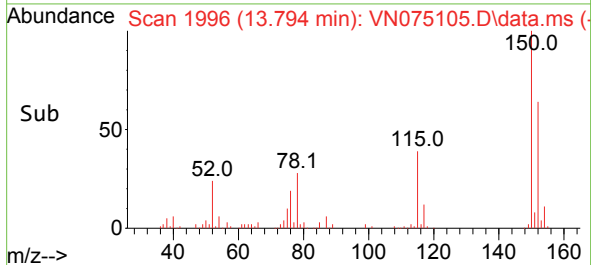
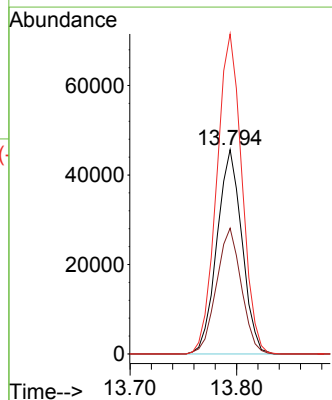
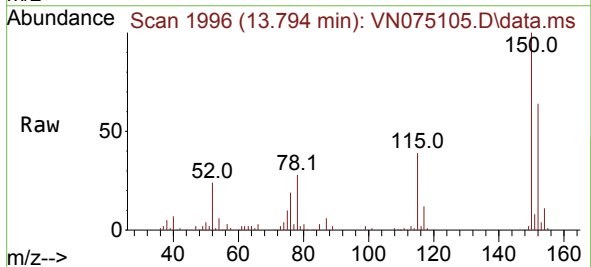
Instrument :
MSVOA_N
ClientSampleId :
AUD-1905

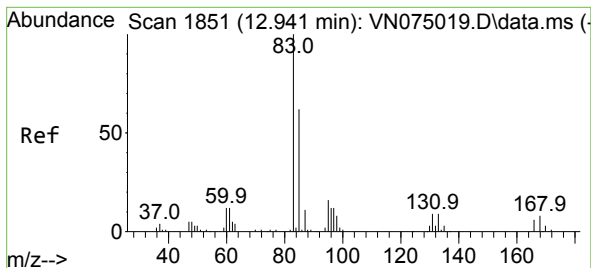
Tgt Ion:173 Resp: 582
Ion Ratio Lower Upper
173 100
175 656.7 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075105.D
Acq: 01 Nov 2022 18:22

Tgt Ion:152 Resp: 74400
Ion Ratio Lower Upper
152 100
115 61.4 30.2 90.6
150 157.9 0.0 348.4





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.794 min Scan# 1826

Delta R.T. -0.147 min

Lab File: VN075105.D

Acq: 01 Nov 2022 18:22

Instrument :

MSVOA_N

ClientSampleId :

AUD-1905

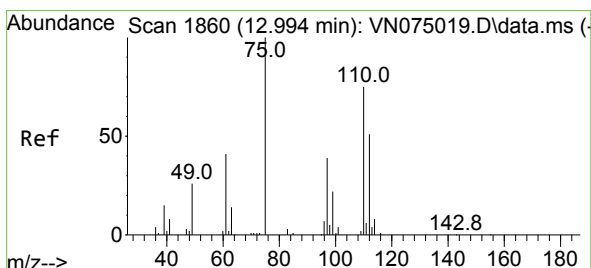
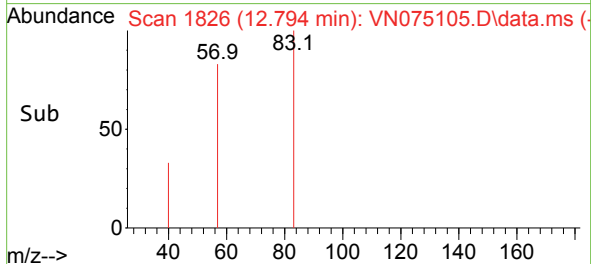
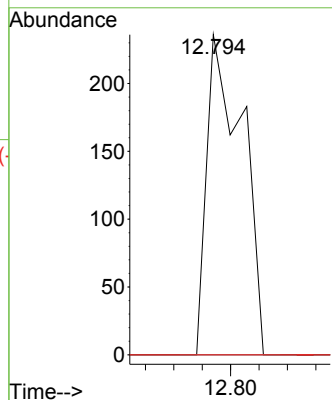
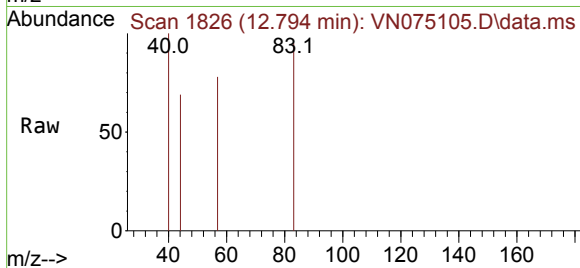
Tgt Ion: 83 Resp: 205

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 0.0 31.6 94.7#



#76

1,2,3-Trichloropropane

Concen: 29.298 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075105.D

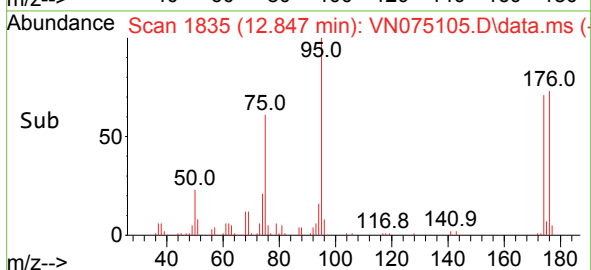
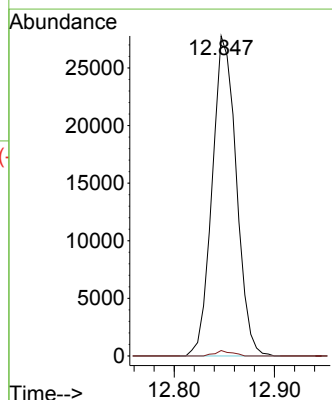
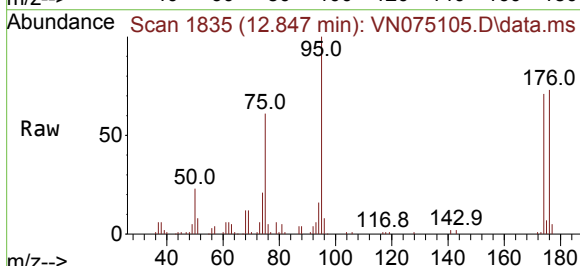
Acq: 01 Nov 2022 18:22

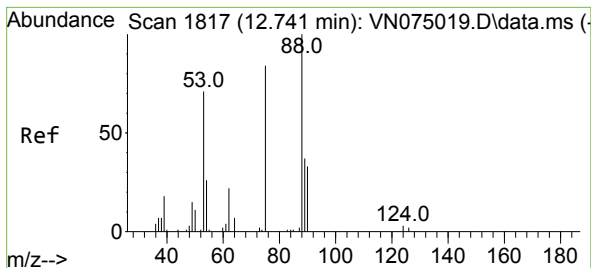
Tgt Ion: 75 Resp: 46282

Ion Ratio Lower Upper

75 100

77 1.2 75.6 226.8#

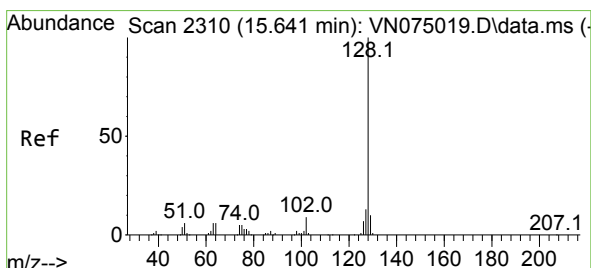
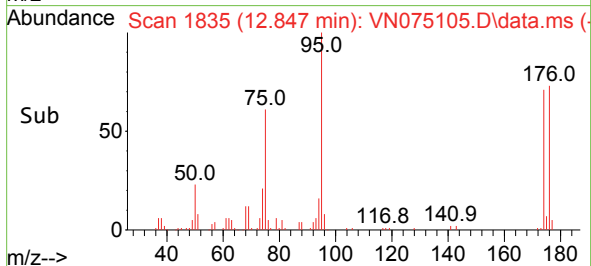
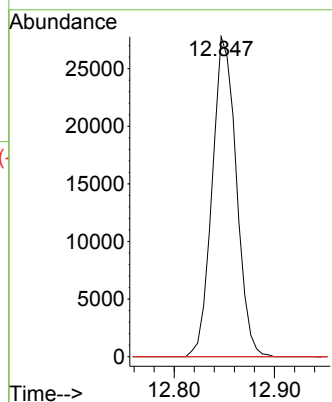
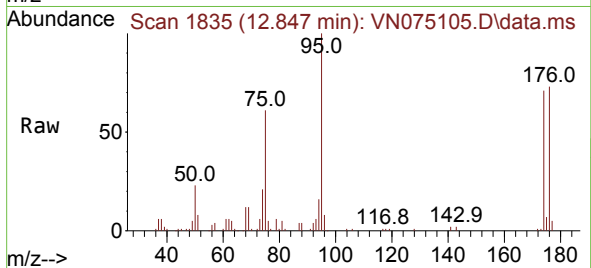




#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.207 ug/l
 RT: 12.847 min Scan# 1817
 Delta R.T. 0.106 min
 Lab File: VN075105.D
 Acq: 01 Nov 2022 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1905

Tgt Ion: 75 Resp: 46282
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#



#95
 Naphthalene
 Concen: 0.277 ug/l
 RT: 15.641 min Scan# 2310
 Delta R.T. -0.000 min
 Lab File: VN075105.D
 Acq: 01 Nov 2022 18:22

Tgt Ion: 128 Resp: 1172
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.6 12.8#

