

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN12222\
 Data File : VN075947.D
 Acq On : 22 Dec 2022 16:03
 Operator : JC\MD
 Sample : N6168-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1839

Quant Time: Dec 23 04:03:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	327064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	521829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	446935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	178340	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	173045	48.633	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.260%
35) Dibromofluoromethane	8.177	113	156170	48.326	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.660%
50) Toluene-d8	10.571	98	599797	49.641	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.280%
62) 4-Bromofluorobenzene	12.853	95	181836	45.437	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.880%

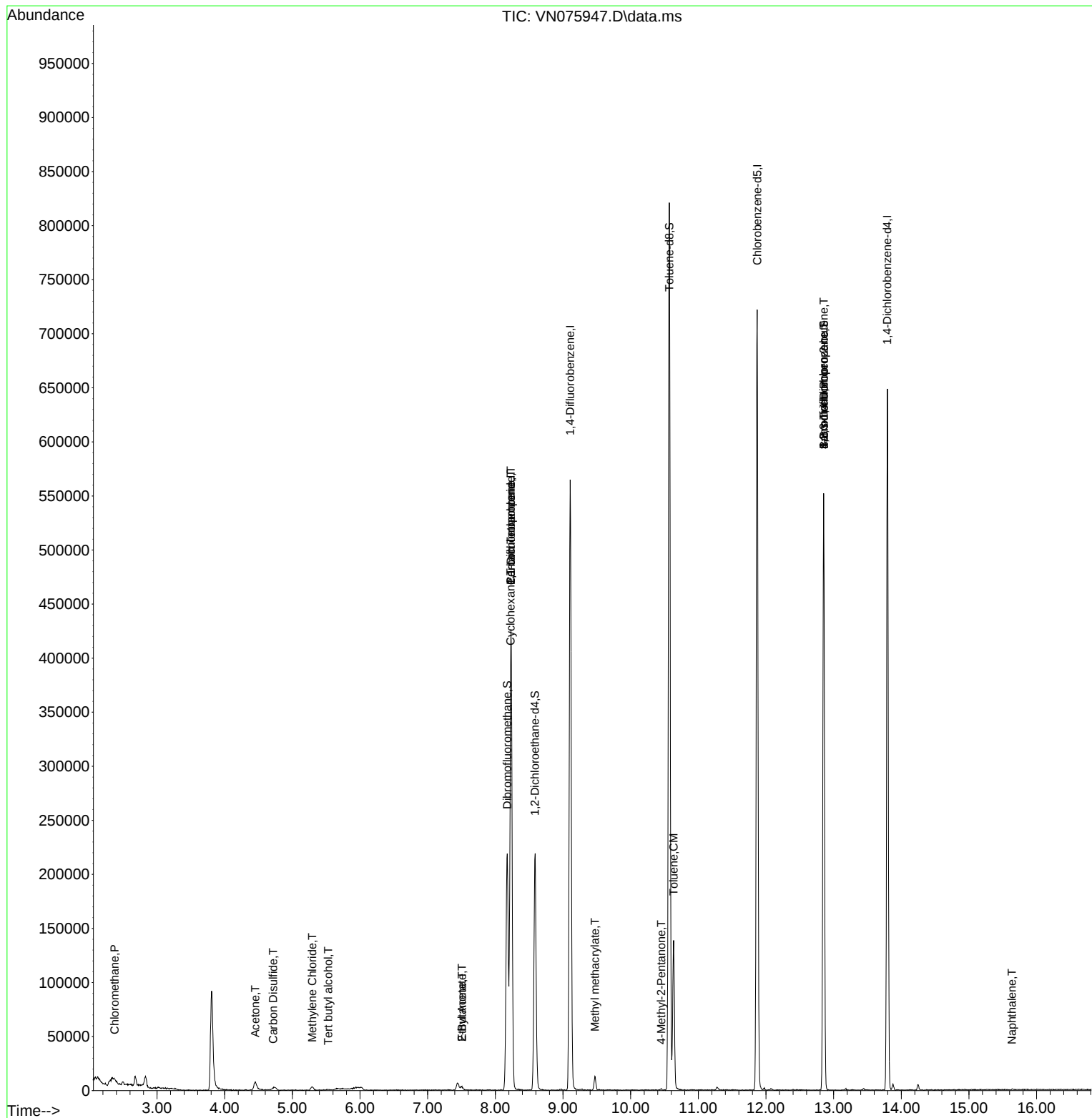
Target Compounds			Qvalue			
3) Chloromethane	2.371	50	699	0.242	ug/l #	40
11) Tert butyl alcohol	5.530	59	673	1.337	ug/l #	72
16) Acetone	4.453	43	15200	12.392	ug/l	96
17) Carbon Disulfide	4.718	76	1614	0.230	ug/l #	76
20) Methylene Chloride	5.294	84	2831	0.225	ug/l #	86
25) 2-Butanone	7.506	43	5137	2.991	ug/l #	85
31) Cyclohexane	8.224	56	6306	1.237	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	23956	5.580	ug/l #	50
37) Ethyl Acetate	7.506	43	5137	1.490	ug/l #	65
38) Carbon Tetrachloride	8.230	117	33102	6.890	ug/l #	17
48) Methyl methacrylate	9.471	41	4132	1.613	ug/l #	32
51) 4-Methyl-2-Pentanone	10.453	43	1077	0.313	ug/l #	84
52) Toluene	10.635	92	62959	7.299	ug/l	97
71) Bromoform	12.853	173	1602	0.648	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	93570	26.029	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	93570	93.690	ug/l #	12
95) Naphthalene	15.635	128	747	2.251	ug/l #	69

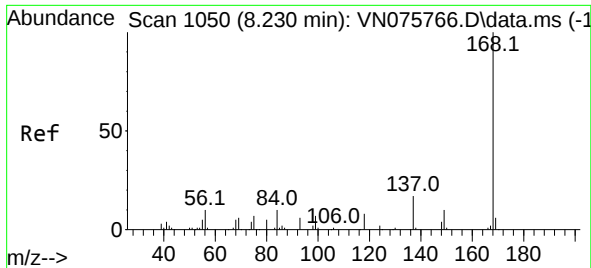
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

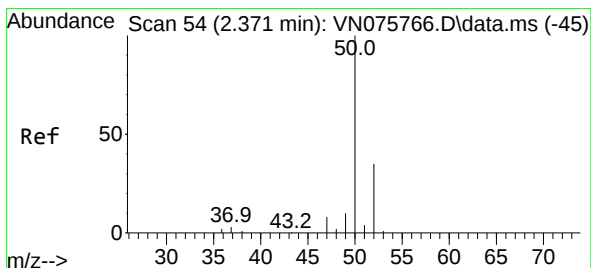
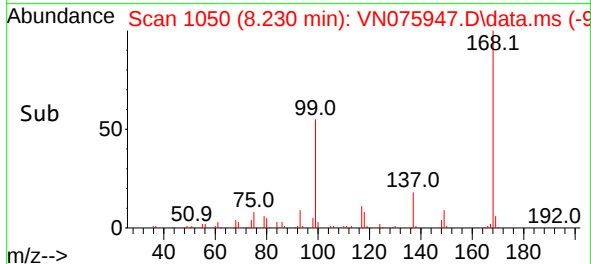
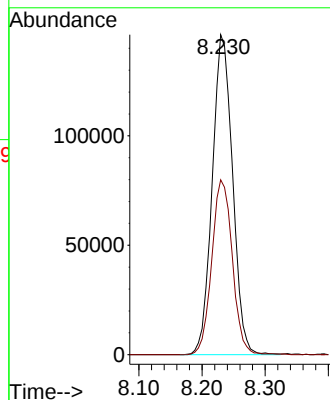
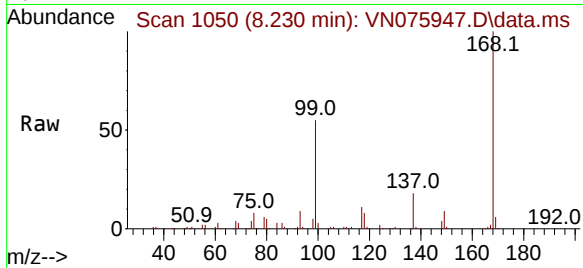




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

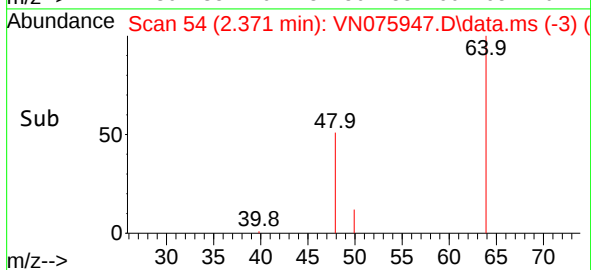
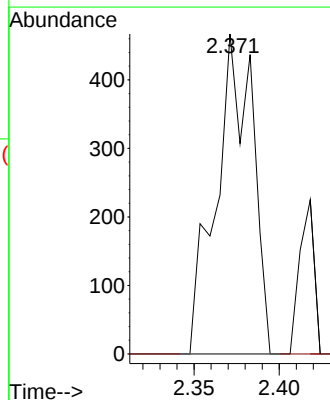
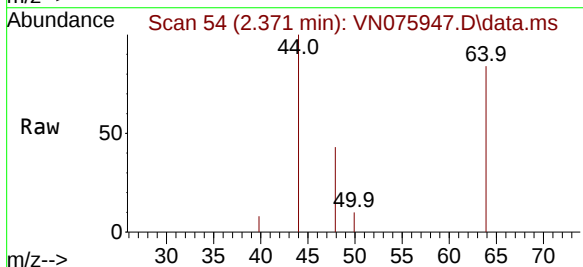
Instrument :
MSVOA_N
ClientSampleId :
AUD-1839

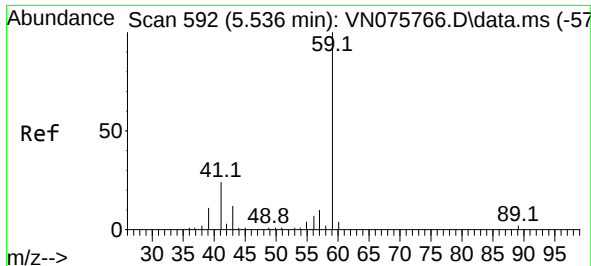
Tgt Ion:168 Resp: 327064
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.371 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

Tgt Ion: 50 Resp: 699
Ion Ratio Lower Upper
50 100
52 0.0 27.7 41.5#





#11

Tert butyl alcohol

Concen: 1.337 ug/l

RT: 5.530 min Scan# 59

Delta R.T. -0.006 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

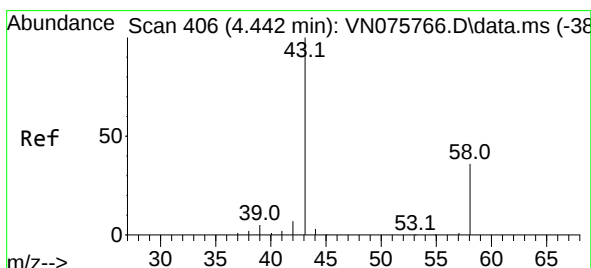
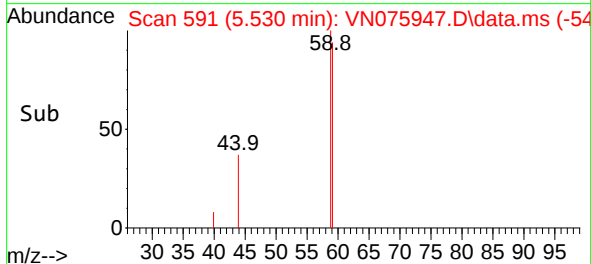
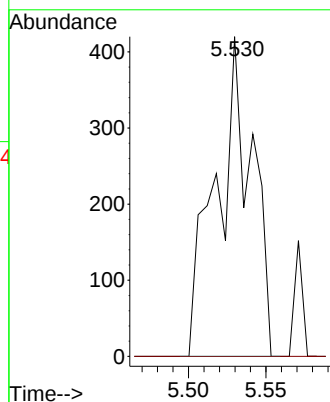
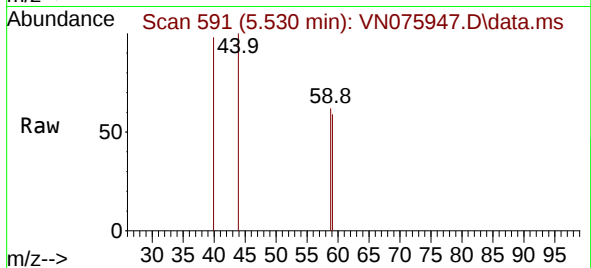
AUD-1839

Tgt Ion: 59 Resp: 673

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 12.392 ug/l

RT: 4.453 min Scan# 408

Delta R.T. 0.012 min

Lab File: VN075947.D

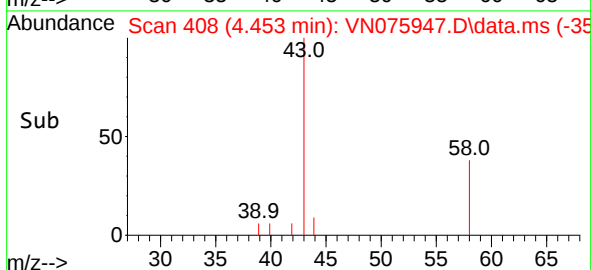
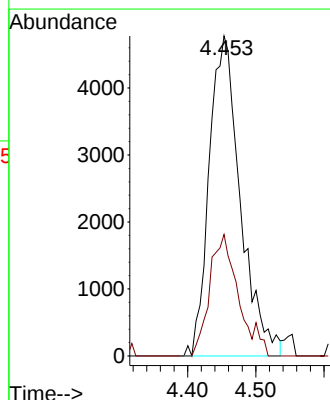
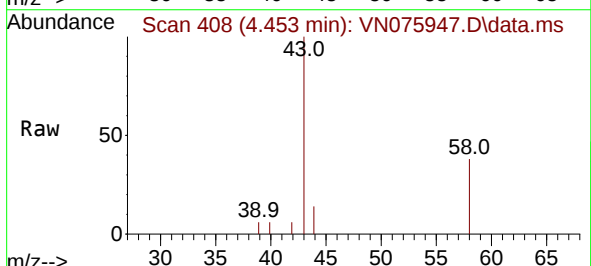
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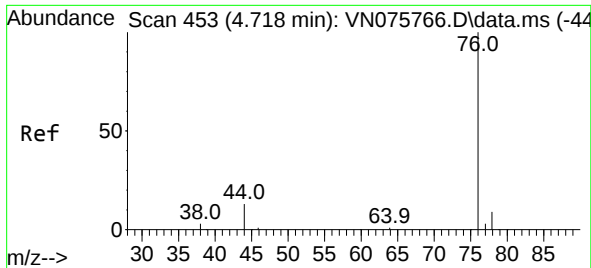
Tgt Ion: 43 Resp: 15200

Ion Ratio Lower Upper

43 100

58 38.0 28.6 43.0

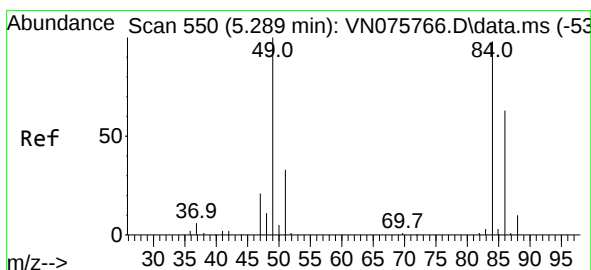
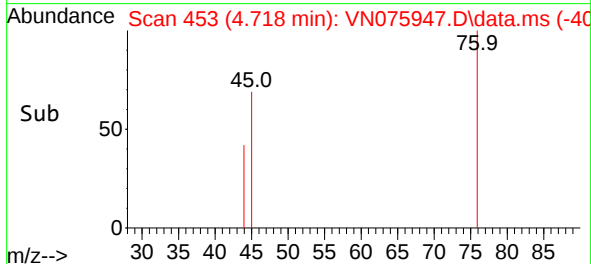
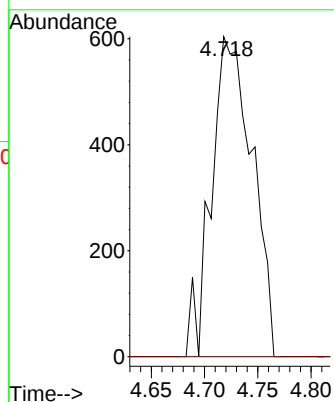
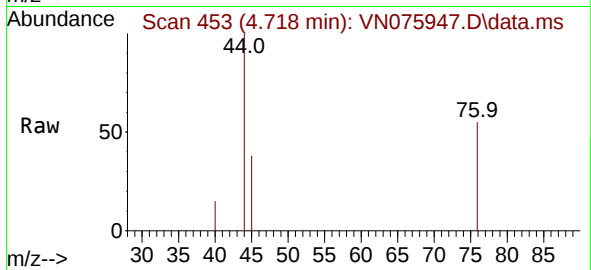




#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

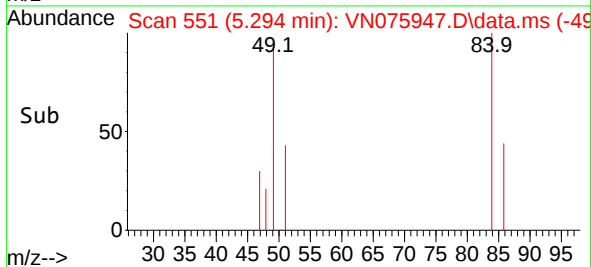
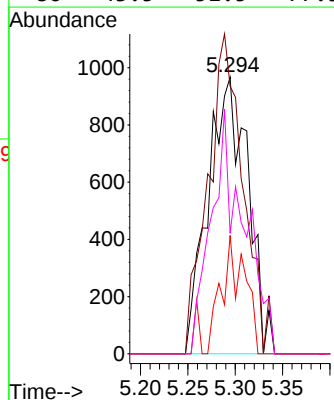
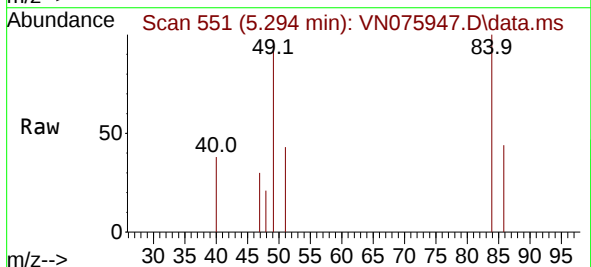
Instrument :
MSVOA_N
ClientSampleId :
AUD-1839

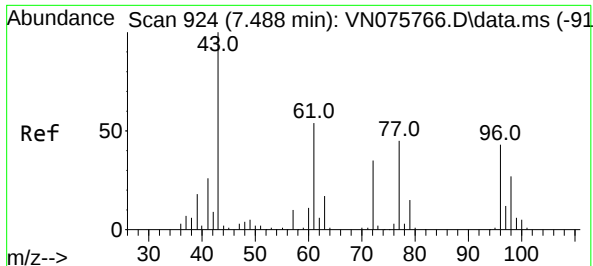
Tgt Ion: 76 Resp: 1614
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

Tgt Ion: 84 Resp: 2831
Ion Ratio Lower Upper
84 100
49 96.7 81.8 122.6
51 42.8 26.7 40.1#
86 43.5 51.5 77.3#





#25

2-Butanone

Concen: 2.991 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

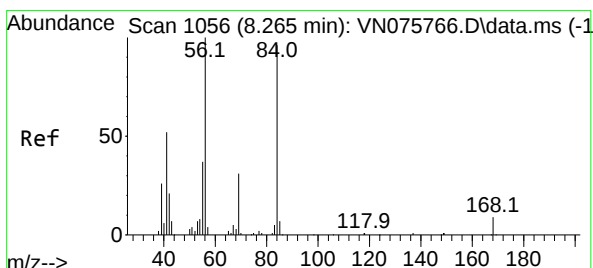
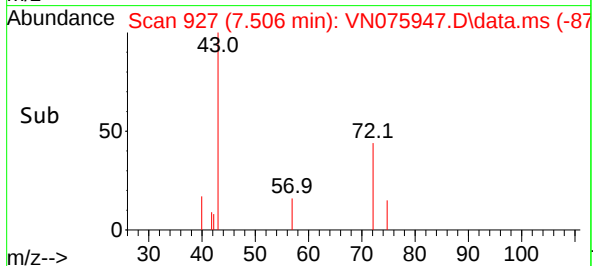
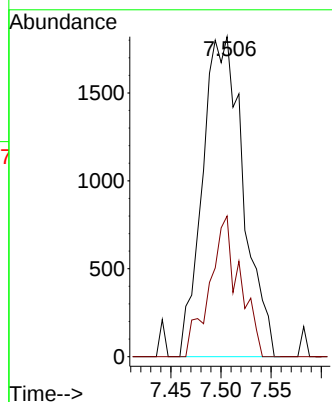
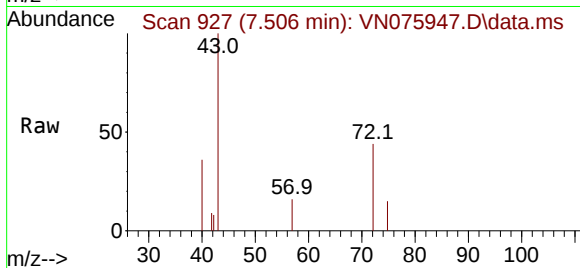
AUD-1839

Tgt Ion: 43 Resp: 5137

Ion Ratio Lower Upper

43 100

72 44.0 28.0 42.0#



#31

Cyclohexane

Concen: 1.237 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.041 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

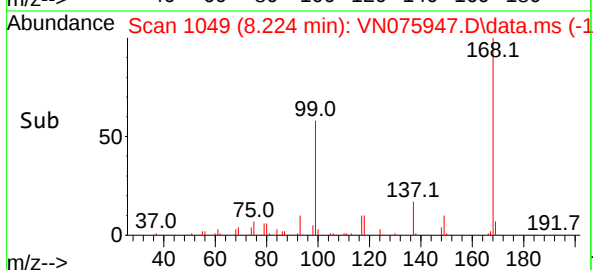
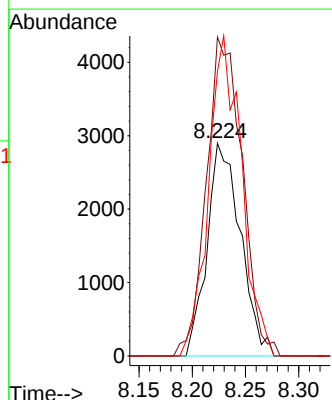
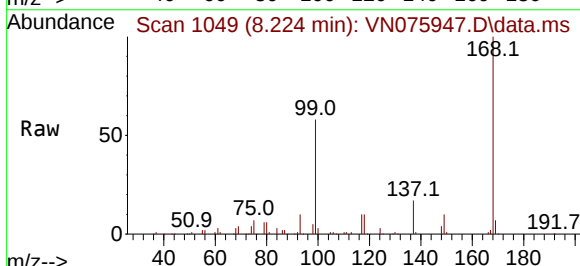
Tgt Ion: 56 Resp: 6306

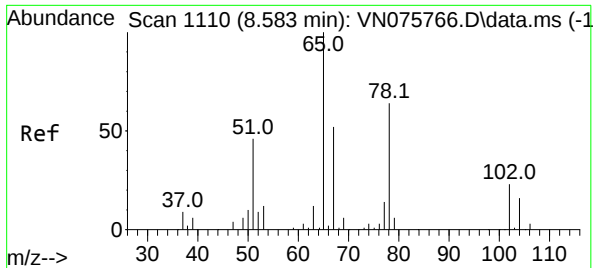
Ion Ratio Lower Upper

56 100

69 149.9 24.7 37.1#

84 133.8 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 48.633 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

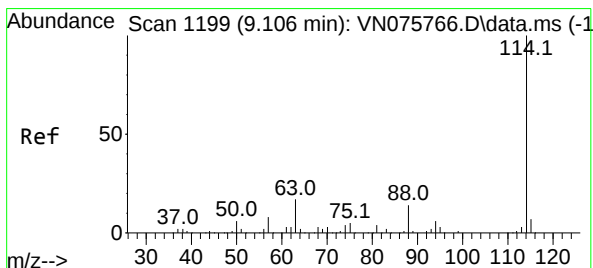
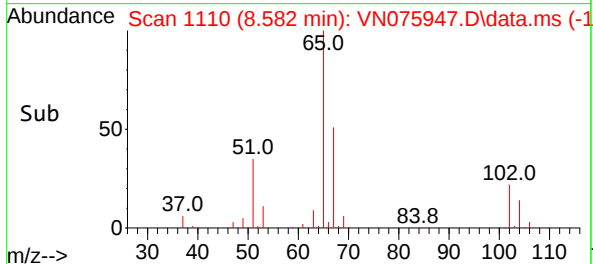
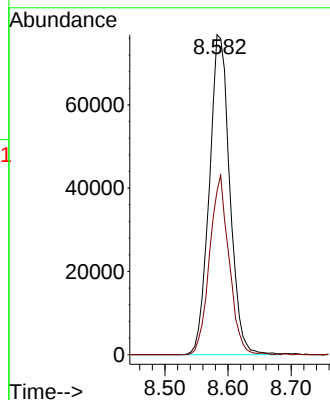
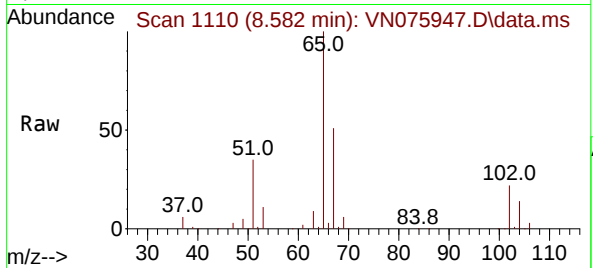
AUD-1839

Tgt Ion: 65 Resp: 173045

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

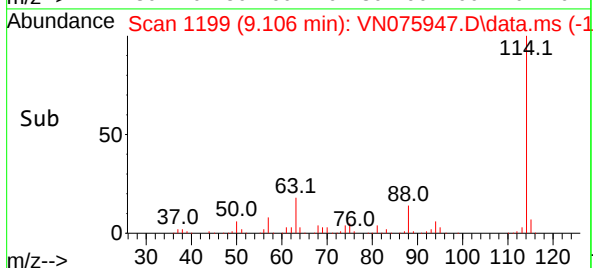
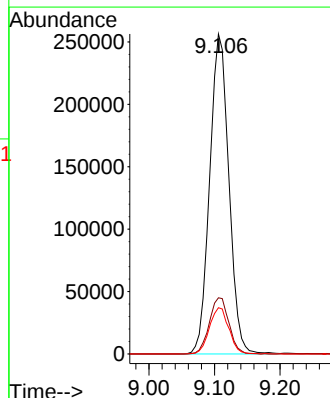
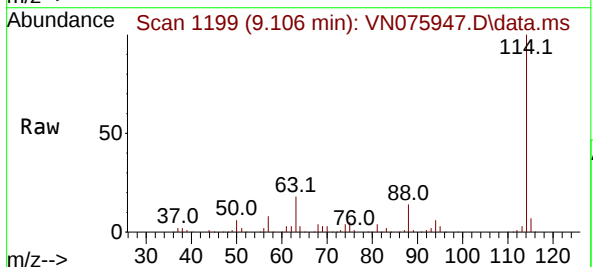
Tgt Ion: 114 Resp: 521829

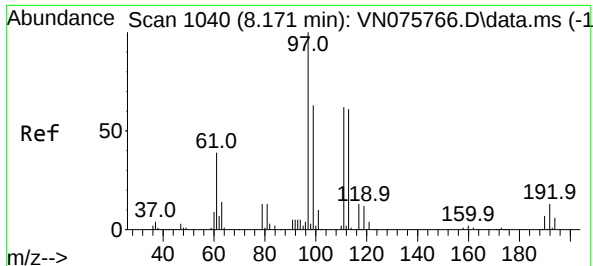
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.4

88 14.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.326 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

AUD-1839

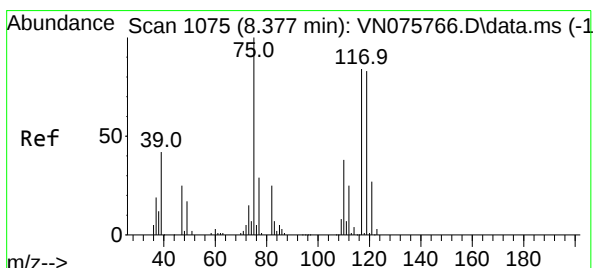
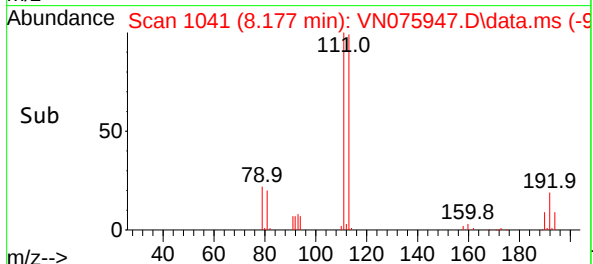
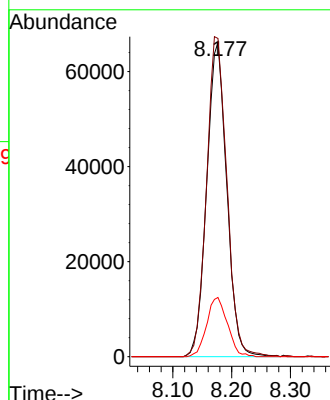
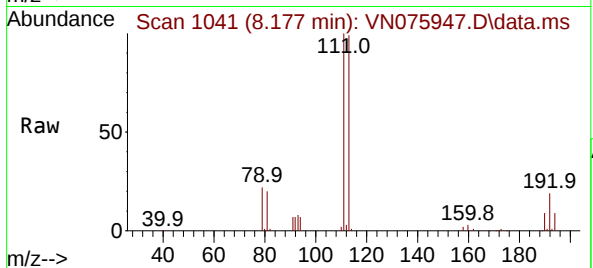
Tgt Ion:113 Resp: 156170

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

192 19.6 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.580 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

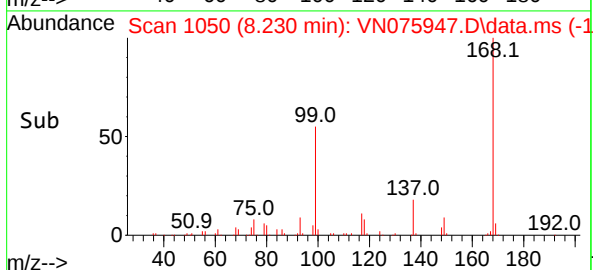
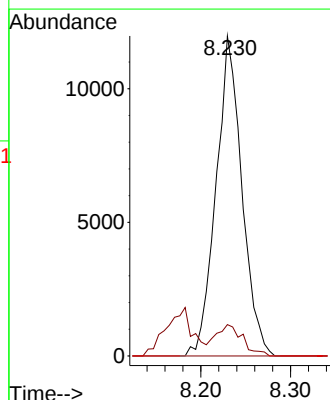
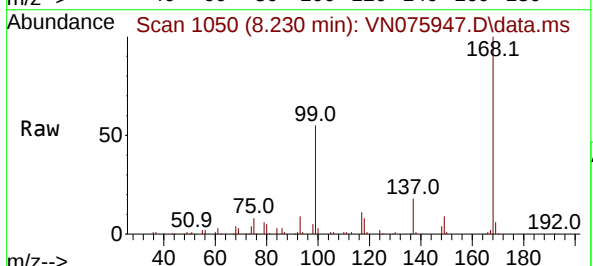
Tgt Ion: 75 Resp: 23956

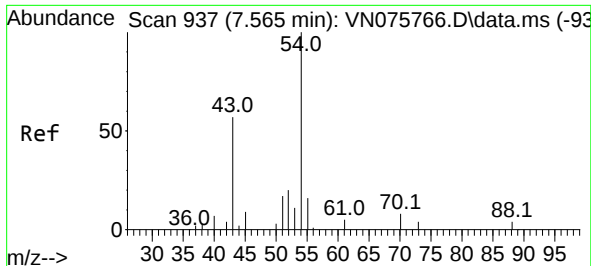
Ion Ratio Lower Upper

75 100

110 10.2 18.8 56.4#

77 0.0 24.1 36.1#





#37

Ethyl Acetate

Concen: 1.490 ug/l

RT: 7.506 min Scan# 91

Delta R.T. -0.059 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

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AUD-1839

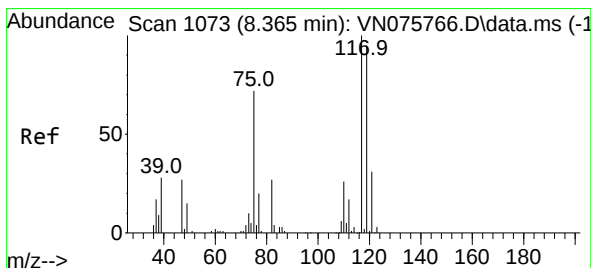
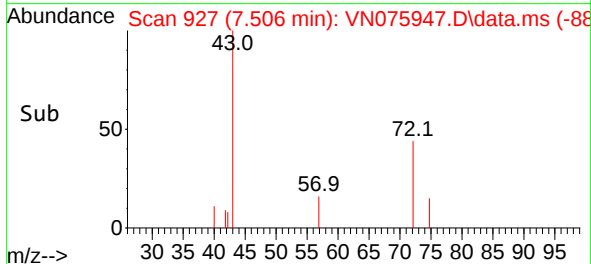
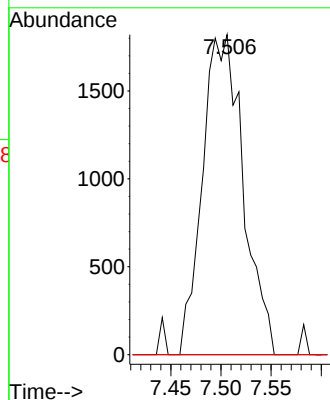
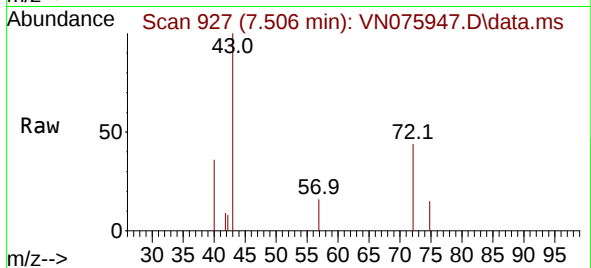
Tgt Ion: 43 Resp: 5137

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 9.4 14.0#



#38

Carbon Tetrachloride

Concen: 6.890 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

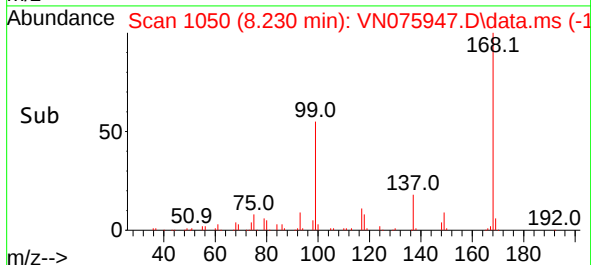
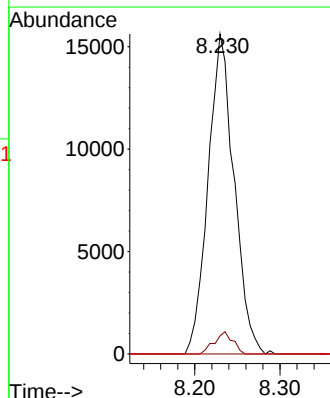
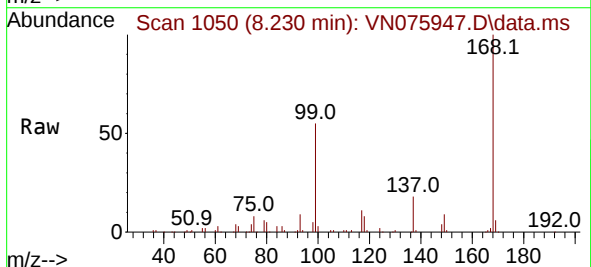
Tgt Ion: 117 Resp: 33102

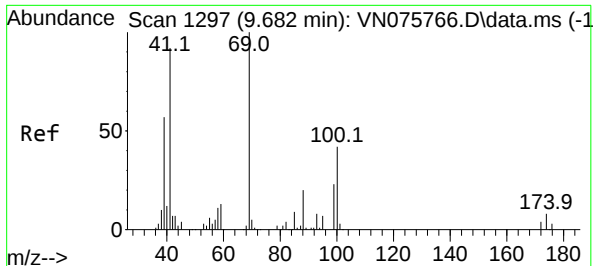
Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

121 0.0 24.5 36.7#

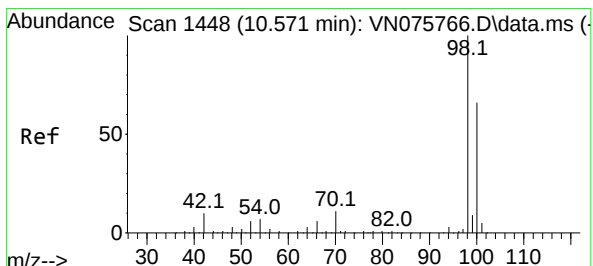
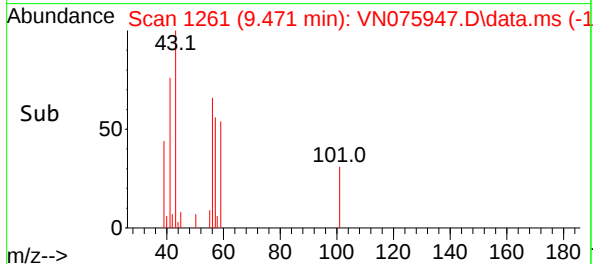
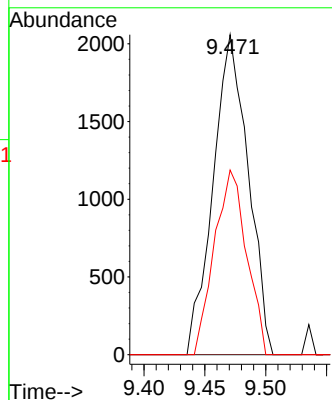
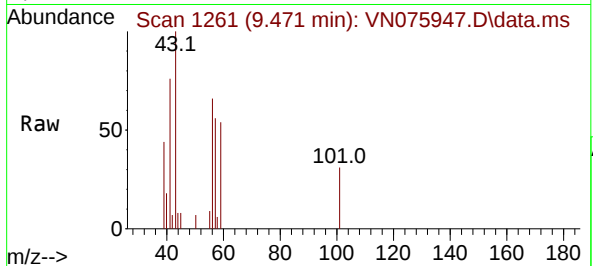




#48
Methyl methacrylate
Concen: 1.613 ug/l
RT: 9.471 min Scan# 1261
Delta R.T. -0.212 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

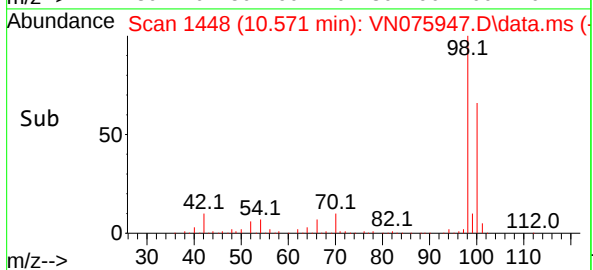
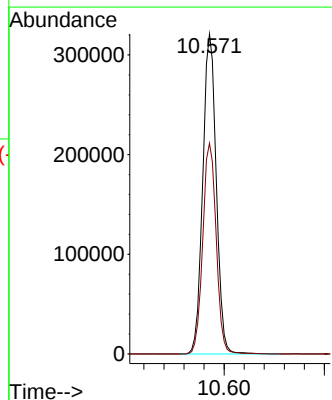
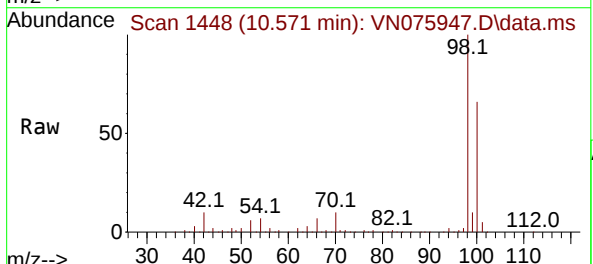
Instrument :
MSVOA_N
ClientSampleId :
AUD-1839

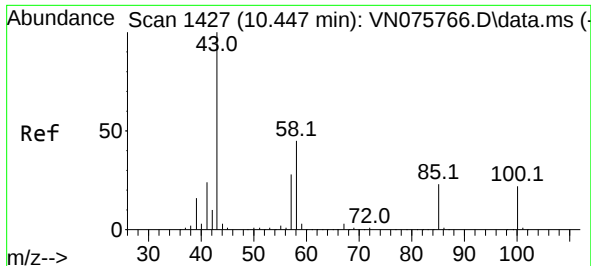
Tgt Ion: 41 Resp: 4132
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 53.0 51.6 77.4



#50
Toluene-d8
Concen: 49.641 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

Tgt Ion: 98 Resp: 599797
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1

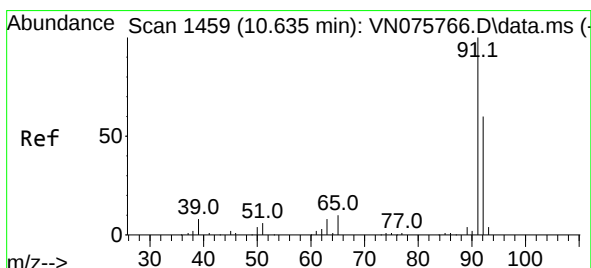
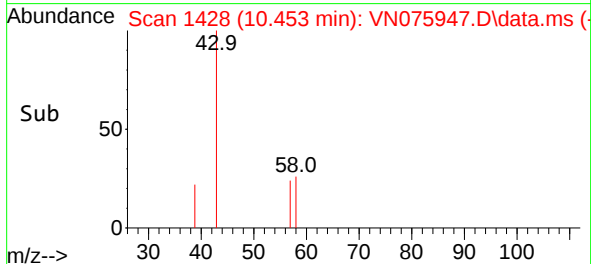
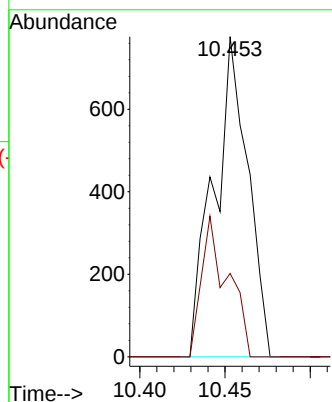
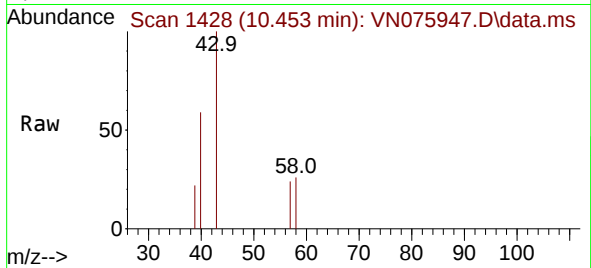




#51
4-Methyl-2-Pentanone
Concen: 0.313 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

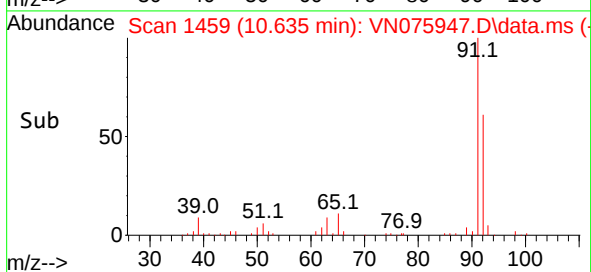
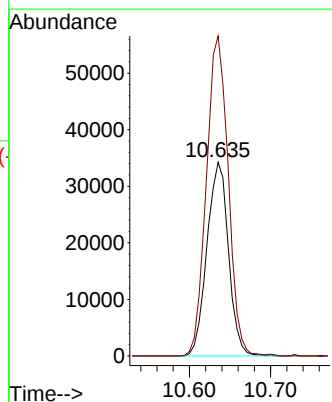
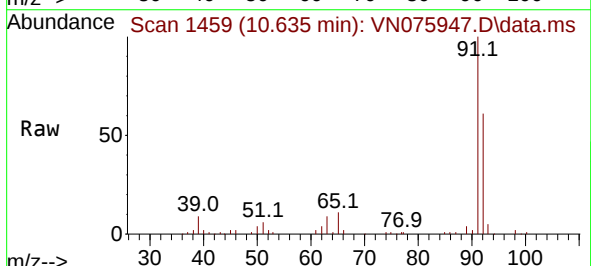
Instrument :
MSVOA_N
ClientSampleId :
AUD-1839

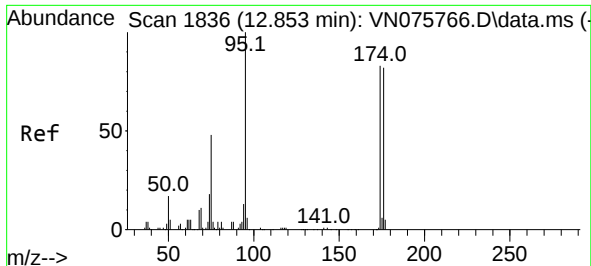
Tgt Ion: 43 Resp: 1077
Ion Ratio Lower Upper
43 100
58 34.0 35.5 53.3#



#52
Toluene
Concen: 7.299 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

Tgt Ion: 92 Resp: 62959
Ion Ratio Lower Upper
92 100
91 167.8 137.3 205.9

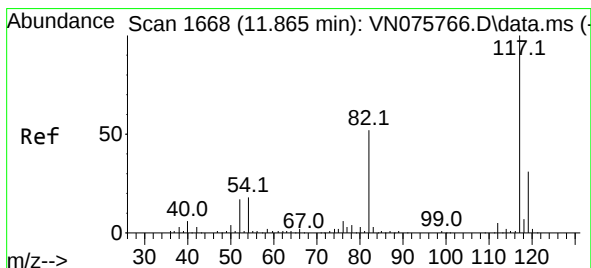
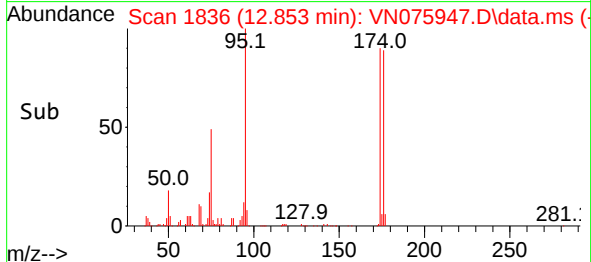
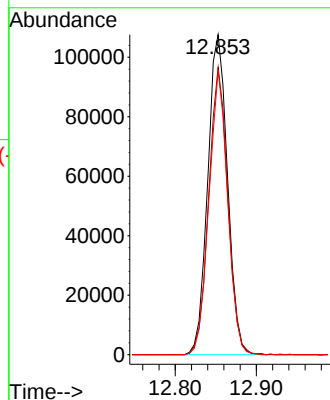
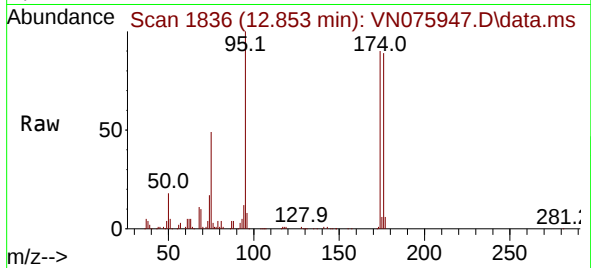




#62
4-Bromofluorobenzene
Concen: 45.437 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

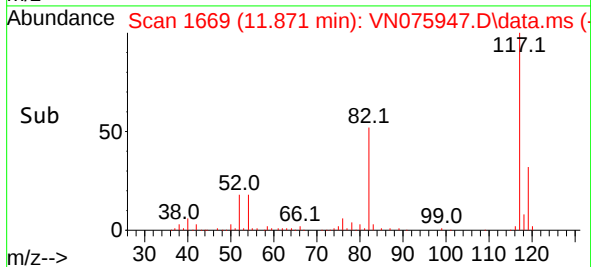
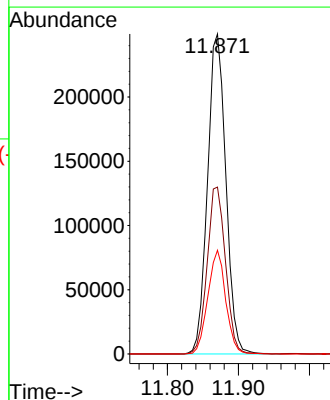
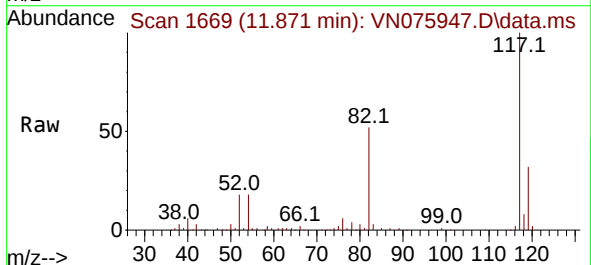
Instrument :
MSVOA_N
ClientSampleId :
AUD-1839

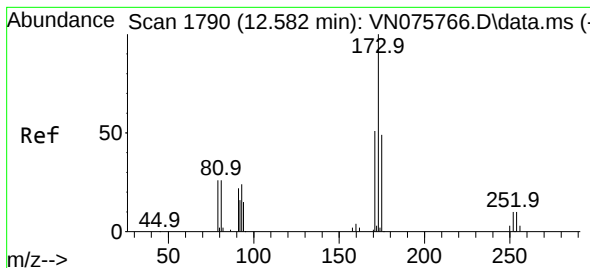
Tgt Ion: 95 Resp: 181836
Ion Ratio Lower Upper
95 100
174 86.8 0.0 171.6
176 83.7 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

Tgt Ion: 117 Resp: 446935
Ion Ratio Lower Upper
117 100
82 52.1 41.3 61.9
119 32.4 24.6 37.0





#71

Bromoform

Concen: 0.648 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.271 min

Lab File: VN075947.D

Acq: 22 Dec 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

AUD-1839

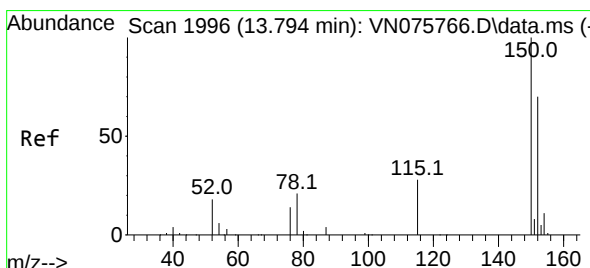
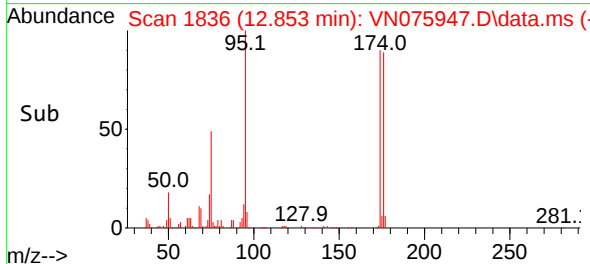
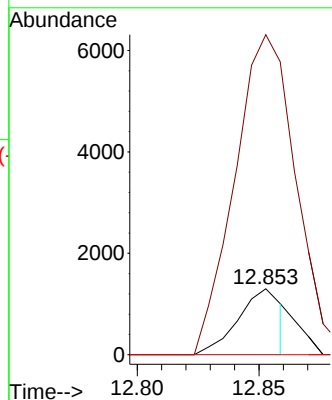
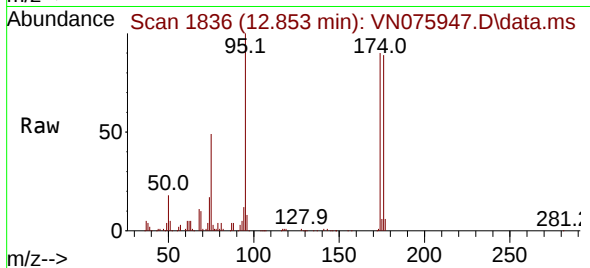
Tgt Ion:173 Resp: 1602

Ion Ratio Lower Upper

173 100

175 543.1 24.3 72.8#

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: VN075947.D

Acq: 22 Dec 2022 16:03

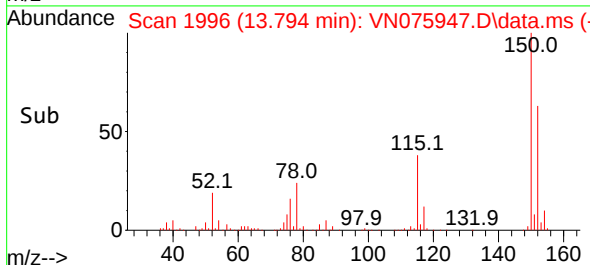
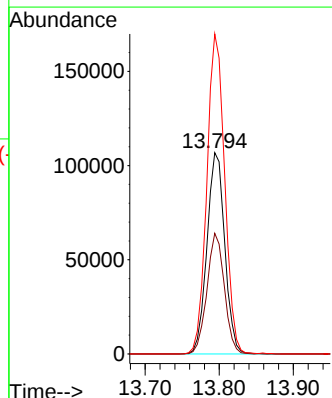
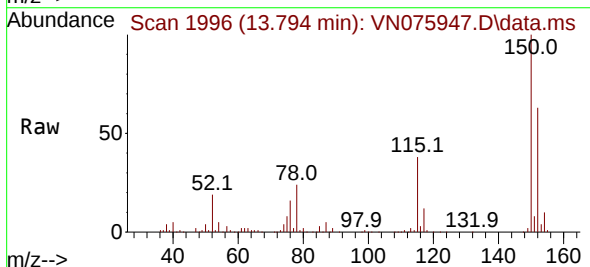
Tgt Ion:152 Resp: 178340

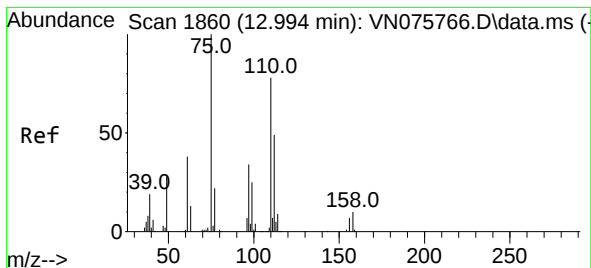
Ion Ratio Lower Upper

152 100

115 58.7 29.1 87.4

150 158.8 0.0 347.0

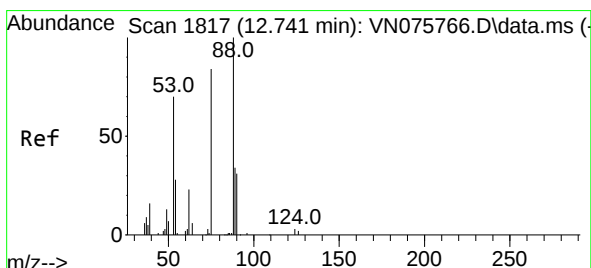
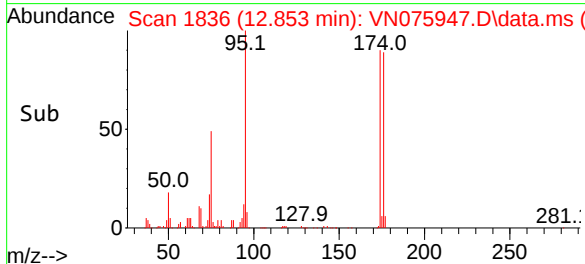
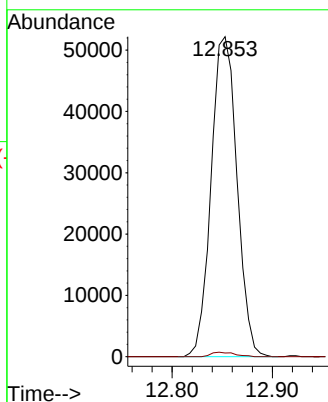
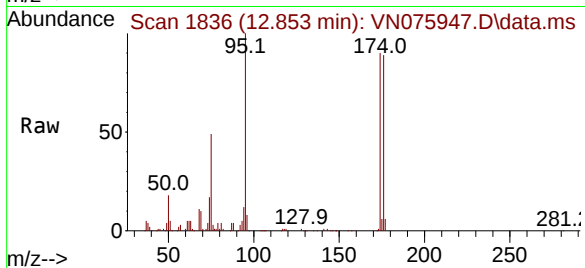




#76
1,2,3-Trichloropropane
Concen: 26.029 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

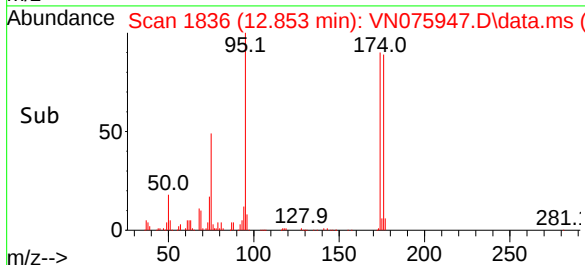
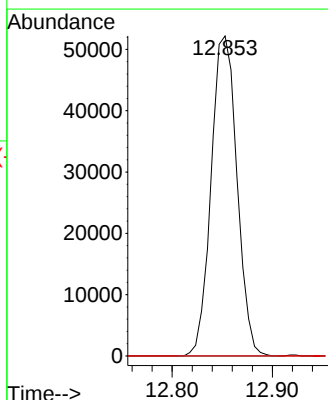
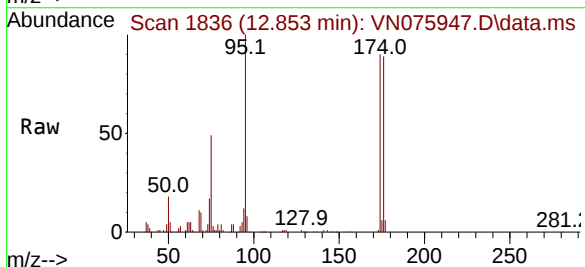
Instrument :
MSVOA_N
ClientSampleId :
AUD-1839

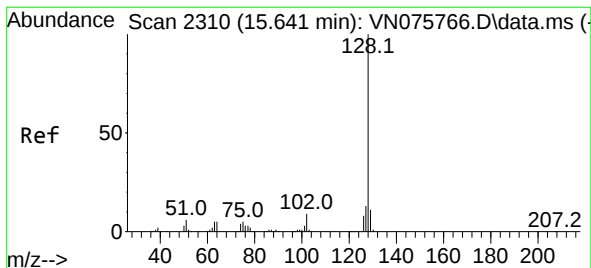
Tgt Ion: 75 Resp: 93570
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.690 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075947.D
Acq: 22 Dec 2022 16:03

Tgt Ion: 75 Resp: 93570
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95

Naphthalene

Concen: 2.251 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN075947.D

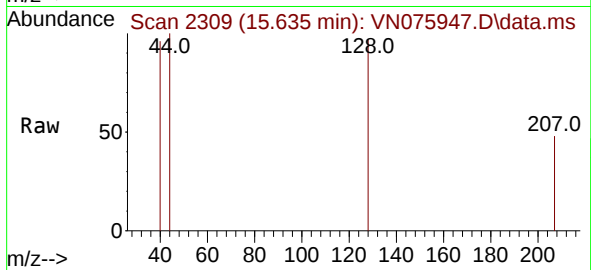
Acq: 22 Dec 2022 16:03

Instrument :

MSVOA_N

ClientSampleId :

AUD-1839



Tgt Ion:128 Resp: 747

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

