

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN12222\
 Data File : VN075948.D
 Acq On : 22 Dec 2022 16:27
 Operator : JC\MD
 Sample : N6168-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1840

Quant Time: Dec 23 04:04:10 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	8.229	168	324949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	509579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	430894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172022	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	169421	47.925	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.840%
35) Dibromofluoromethane	8.177	113	157042	49.764	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.520%
50) Toluene-d8	10.571	98	589302	49.945	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.900%
62) 4-Bromofluorobenzene	12.853	95	175408	44.885	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.760%

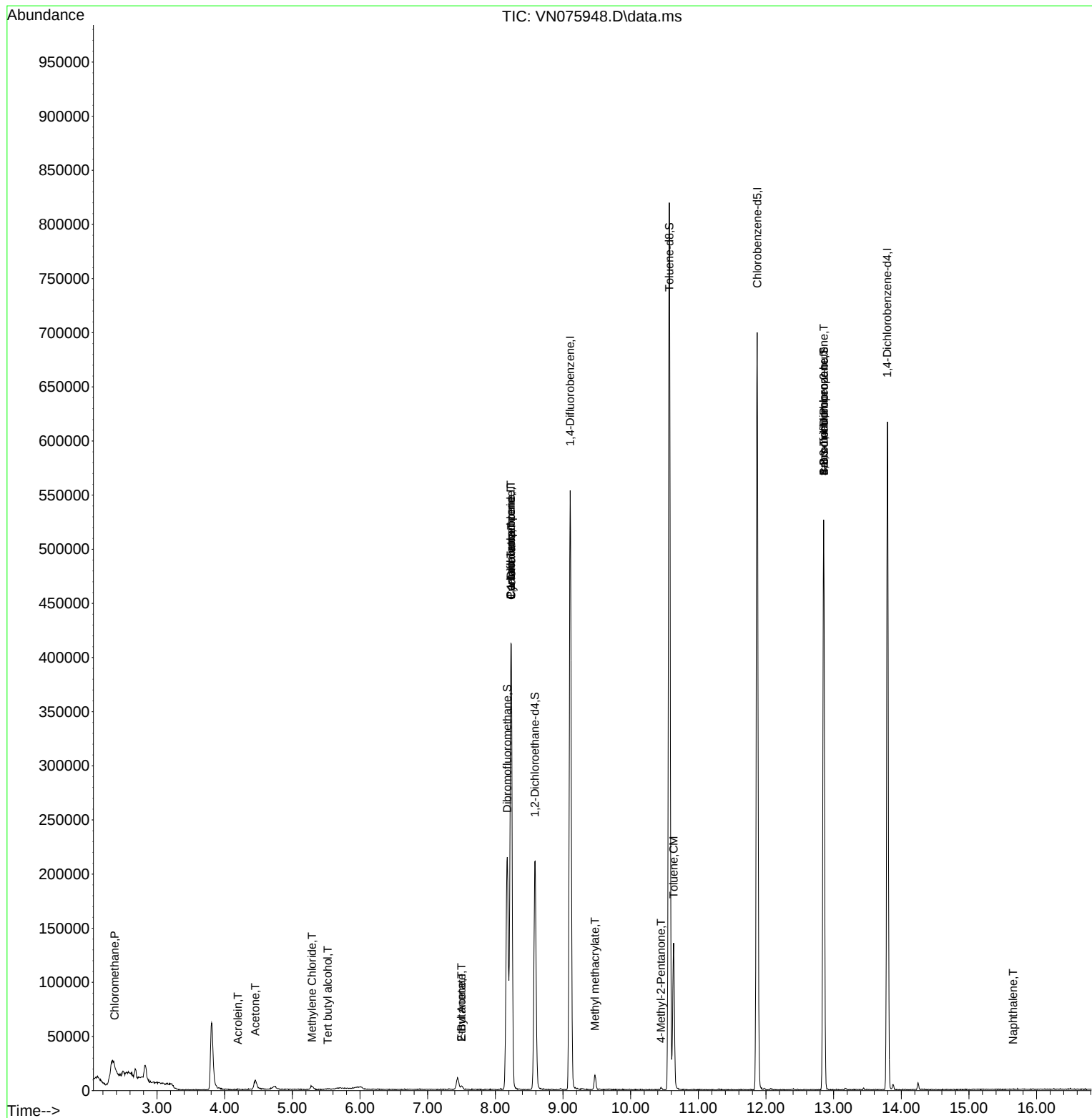
Target Compounds						Qvalue
3) Chloromethane	2.371	50	988	0.344	ug/l #	40
11) Tert butyl alcohol	5.524	59	296	0.592	ug/l #	72
13) Acrolein	4.194	56	294	0.479	ug/l #	63
16) Acetone	4.453	43	15963	13.099	ug/l #	77
20) Methylene Chloride	5.289	84	2862	0.241	ug/l #	66
25) 2-Butanone	7.500	43	5066	2.969	ug/l #	85
31) Cyclohexane	8.235	56	6270	1.238	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	22669	5.408	ug/l #	50
37) Ethyl Acetate	7.500	43	5066	1.504	ug/l #	65
38) Carbon Tetrachloride	8.229	117	33166	7.069	ug/l #	17
48) Methyl methacrylate	9.471	41	4367	1.746	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	1294	0.385	ug/l	88
52) Toluene	10.635	92	61205	7.266	ug/l	99
71) Bromoform	12.853	173	1519	0.637	ug/l #	29
76) 1,2,3-Trichloropropane	12.853	75	90913	26.218	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	90913	94.373	ug/l #	12
95) Naphthalene	15.653	128	527	2.231	ug/l #	69

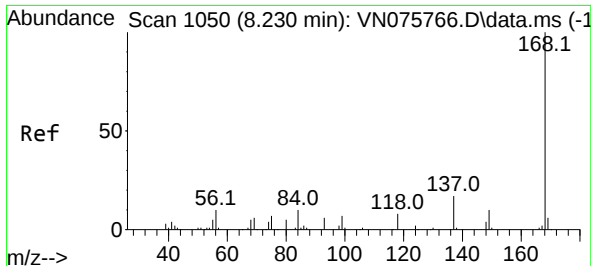
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122222\
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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
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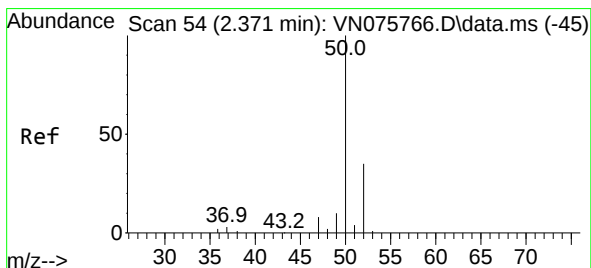
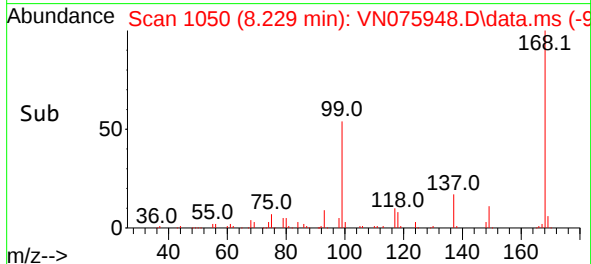
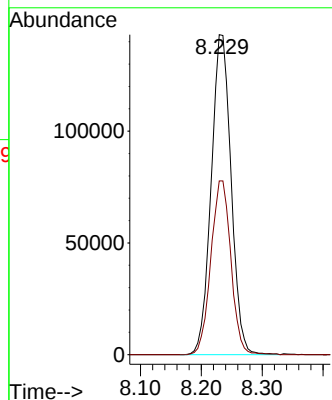
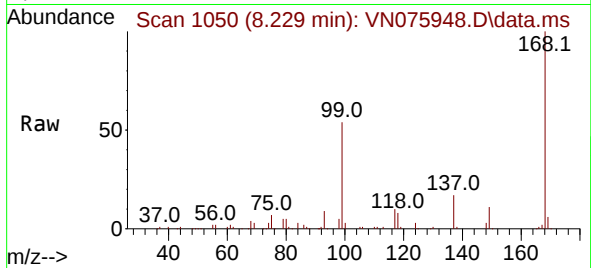




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075948.D
Acq: 22 Dec 2022 16:27

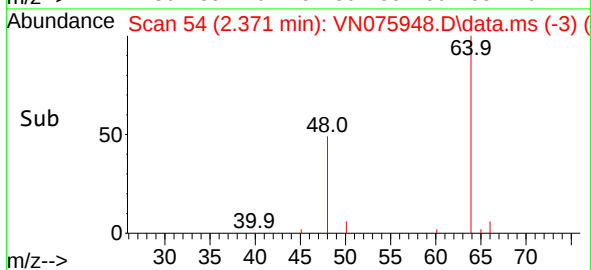
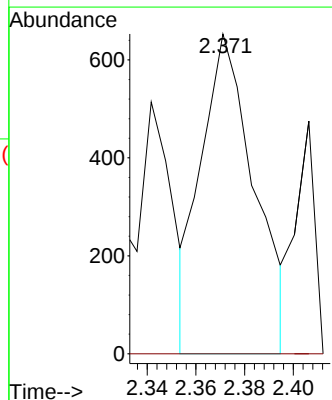
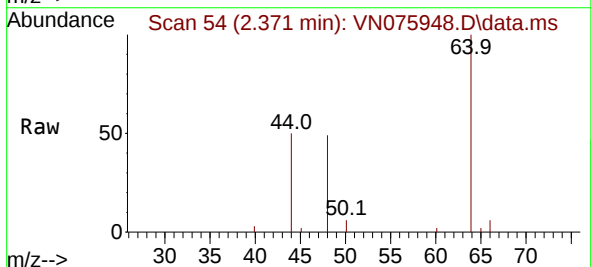
Instrument :
MSVOA_N
ClientSampleId :
AUD-1840

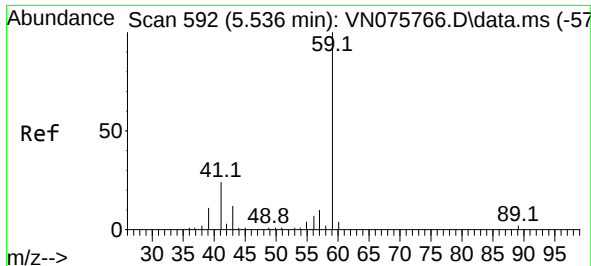
Tgt Ion:168 Resp: 324949
Ion Ratio Lower Upper
168 100
99 54.3 44.2 66.4



#3
Chloromethane
Concen: 0.344 ug/l
RT: 2.371 min Scan# 54
Delta R.T. -0.000 min
Lab File: VN075948.D
Acq: 22 Dec 2022 16:27

Tgt Ion: 50 Resp: 988
Ion Ratio Lower Upper
50 100
52 0.0 27.7 41.5#





#11

Tert butyl alcohol

Concen: 0.592 ug/l

RT: 5.524 min Scan# 59

Delta R.T. -0.012 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

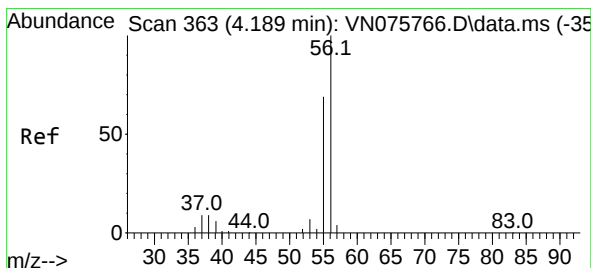
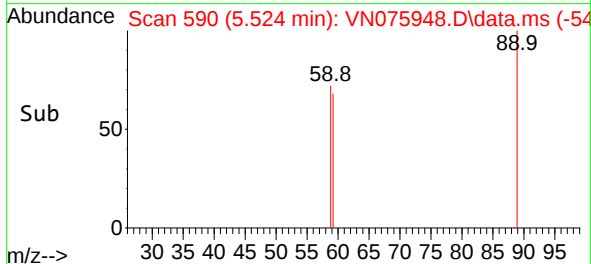
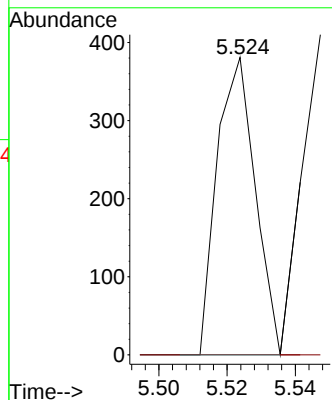
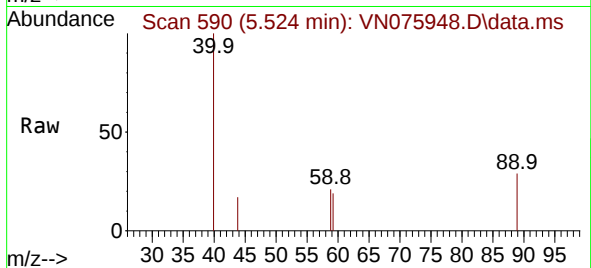
AUD-1840

Tgt Ion: 59 Resp: 296

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: 0.479 ug/l

RT: 4.194 min Scan# 364

Delta R.T. 0.006 min

Lab File: VN075948.D

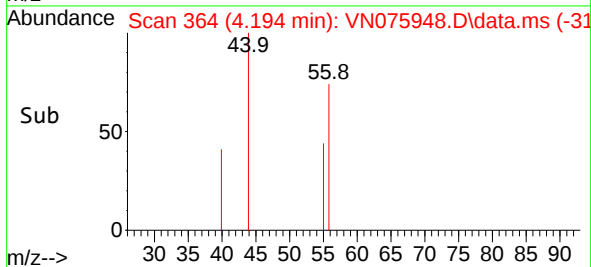
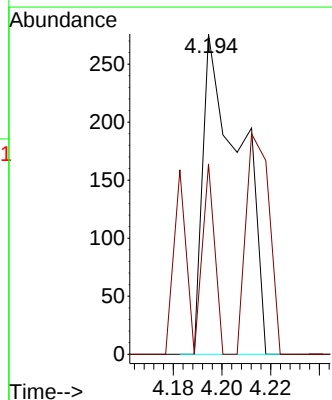
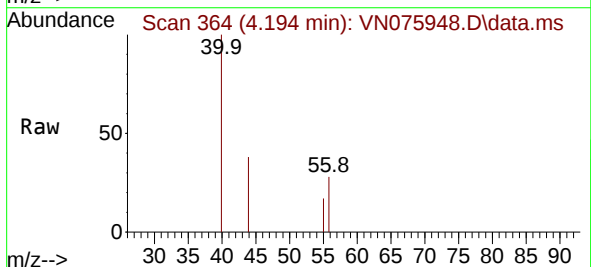
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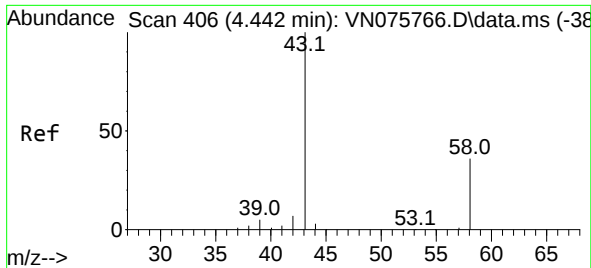
Tgt Ion: 56 Resp: 294

Ion Ratio Lower Upper

56 100

55 38.8 54.8 82.2#





#16

Acetone

Concen: 13.099 ug/l

RT: 4.453 min Scan# 406

Delta R.T. 0.012 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

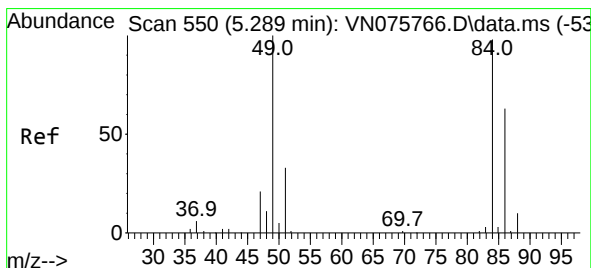
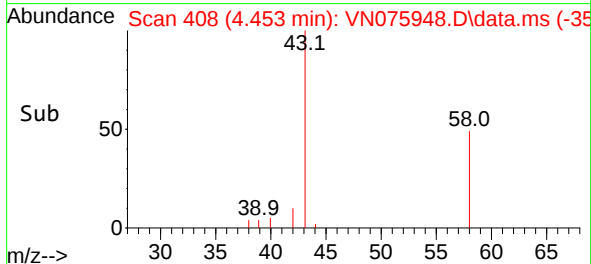
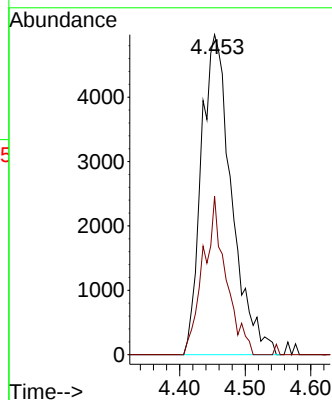
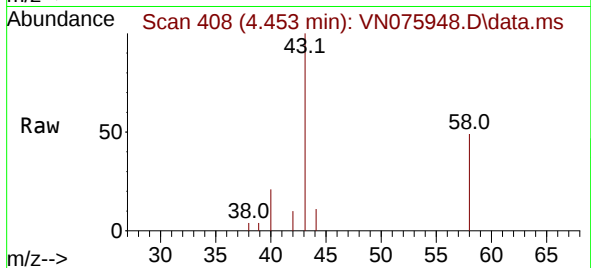
AUD-1840

Tgt Ion: 43 Resp: 15963

Ion Ratio Lower Upper

43 100

58 49.5 28.6 43.0#



#20

Methylene Chloride

Concen: 0.241 ug/l

RT: 5.289 min Scan# 550

Delta R.T. -0.000 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

Tgt Ion: 84 Resp: 2862

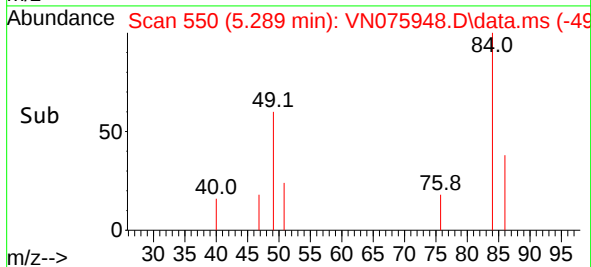
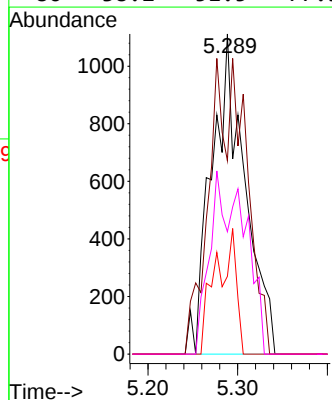
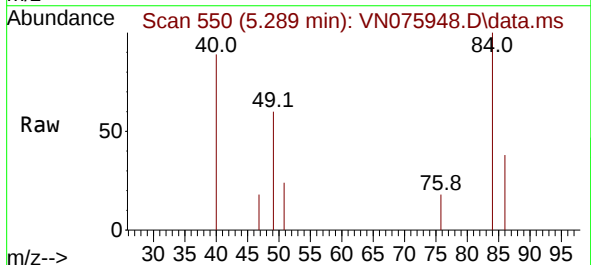
Ion Ratio Lower Upper

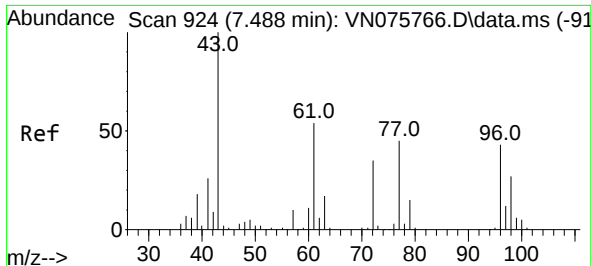
84 100

49 60.4 81.8 122.6#

51 24.3 26.7 40.1#

86 38.2 51.5 77.3#

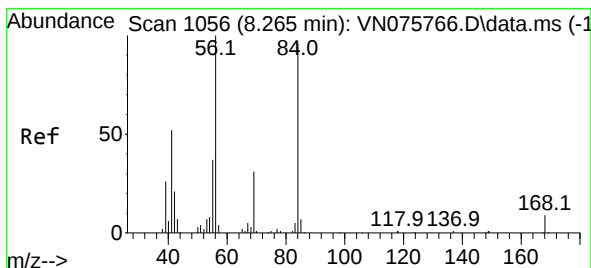
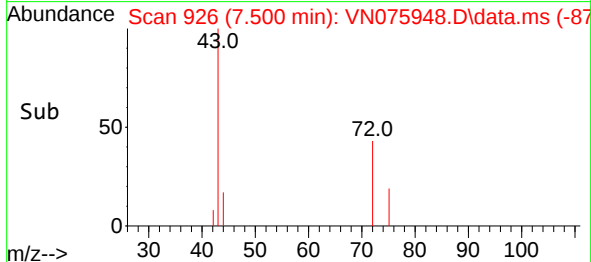
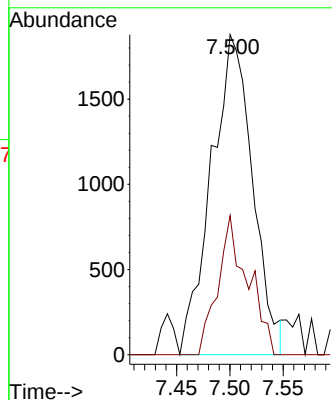
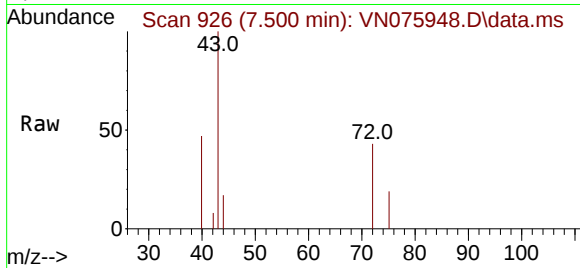




#25
2-Butanone
Concen: 2.969 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075948.D
Acq: 22 Dec 2022 16:27

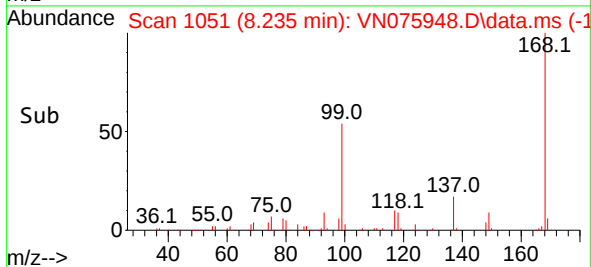
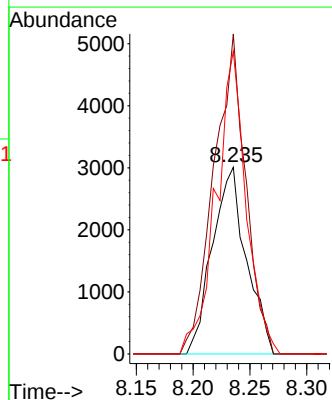
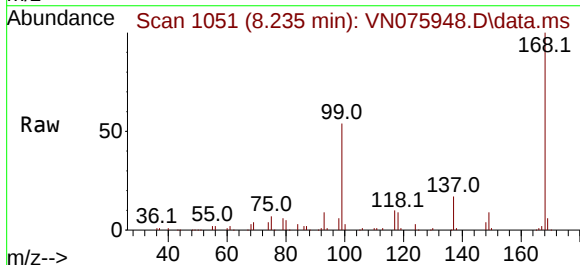
Instrument :
MSVOA_N
ClientSampleId :
AUD-1840

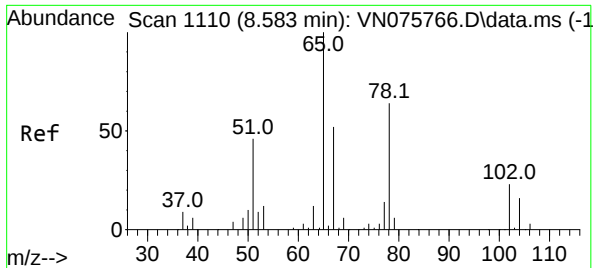
Tgt Ion: 43 Resp: 5066
Ion Ratio Lower Upper
43 100
72 43.5 28.0 42.0#



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.030 min
Lab File: VN075948.D
Acq: 22 Dec 2022 16:27

Tgt Ion: 56 Resp: 6270
Ion Ratio Lower Upper
56 100
69 171.4 24.7 37.1#
84 162.2 76.5 114.7#

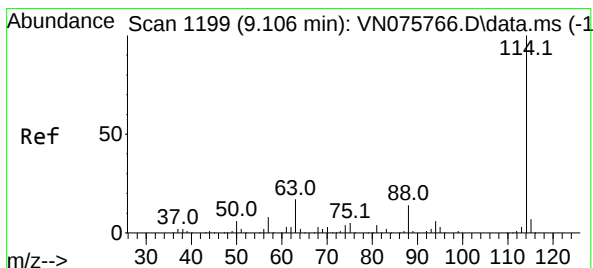
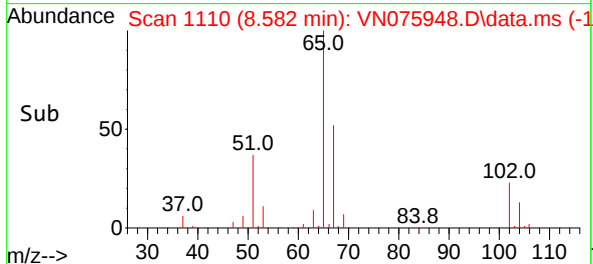
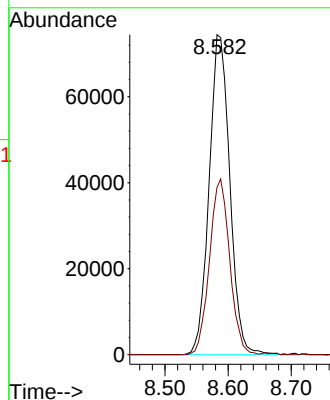
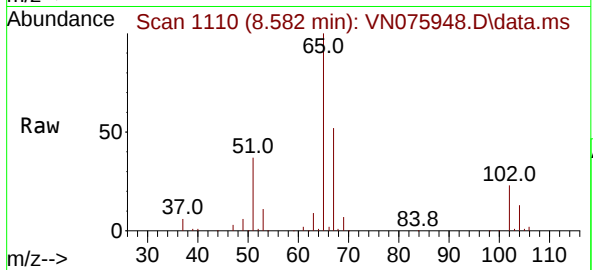




#33
 1,2-Dichloroethane-d4
 Concen: 47.925 ug/l
 RT: 8.582 min Scan# 1110
 Delta R.T. -0.000 min
 Lab File: VN075948.D
 Acq: 22 Dec 2022 16:27

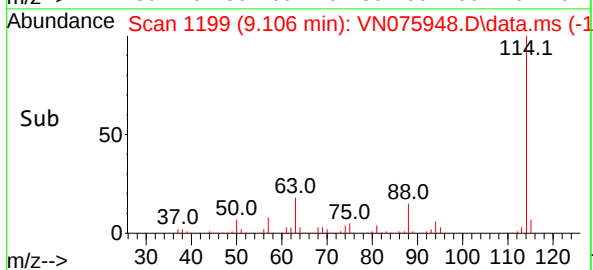
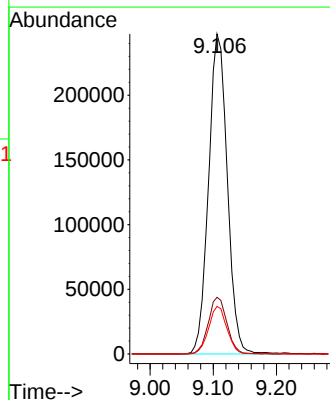
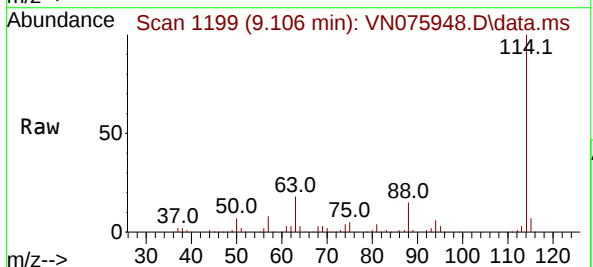
Instrument :
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 AUD-1840

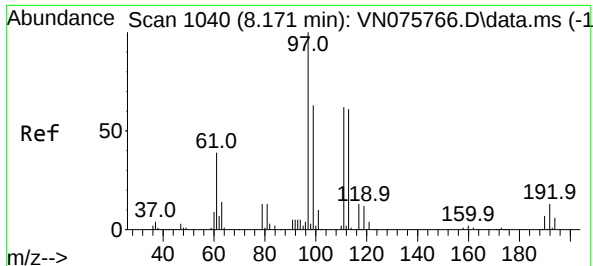
Tgt Ion: 65 Resp: 169421
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. -0.000 min
 Lab File: VN075948.D
 Acq: 22 Dec 2022 16:27

Tgt Ion: 114 Resp: 509579
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.4
 88 14.8 0.0 28.8





#35

Dibromofluoromethane

Concen: 49.764 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

AUD-1840

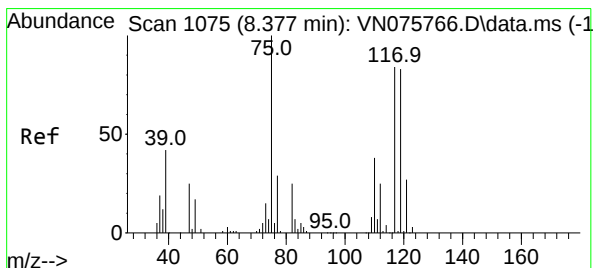
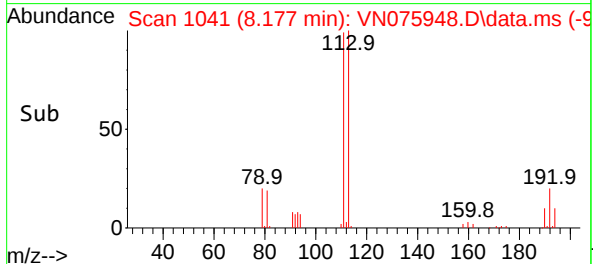
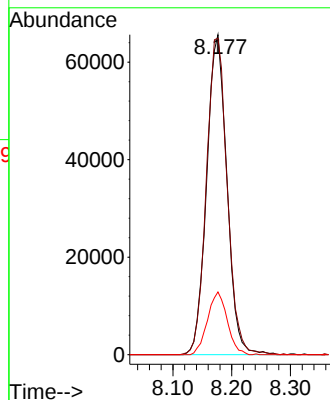
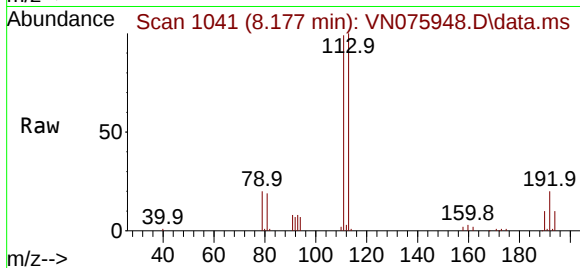
Tgt Ion:113 Resp: 157042

Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.2

192 19.1 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.408 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

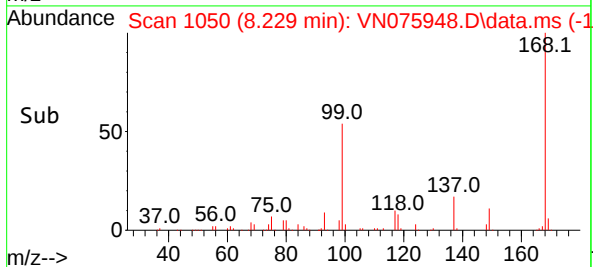
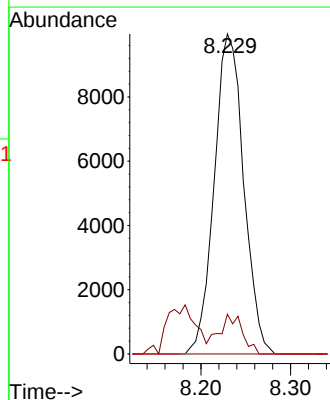
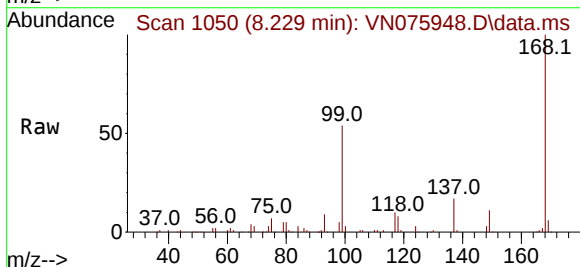
Tgt Ion: 75 Resp: 22669

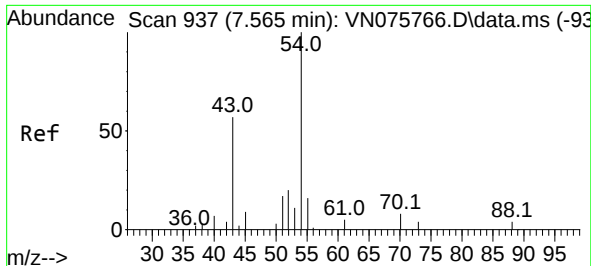
Ion Ratio Lower Upper

75 100

110 9.9 18.8 56.4#

77 0.0 24.1 36.1#





#37

Ethyl Acetate

Concen: 1.504 ug/l

RT: 7.500 min Scan# 91

Delta R.T. -0.065 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

AUD-1840

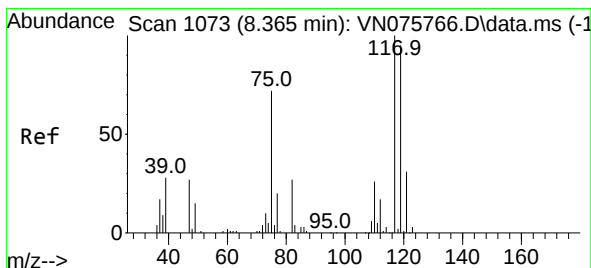
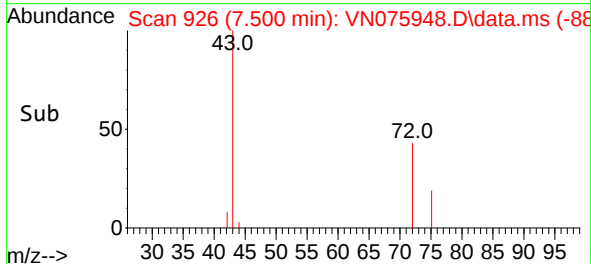
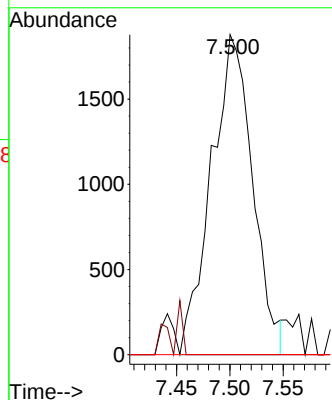
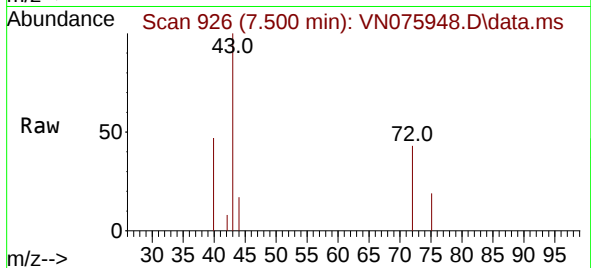
Tgt Ion: 43 Resp: 5066

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 9.4 14.0#



#38

Carbon Tetrachloride

Concen: 7.069 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

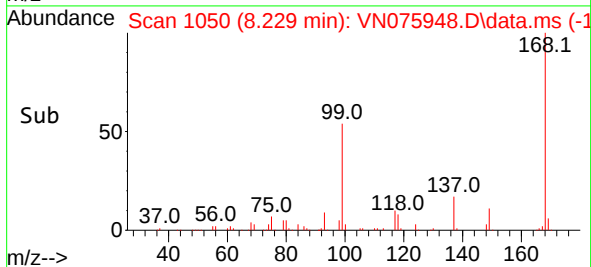
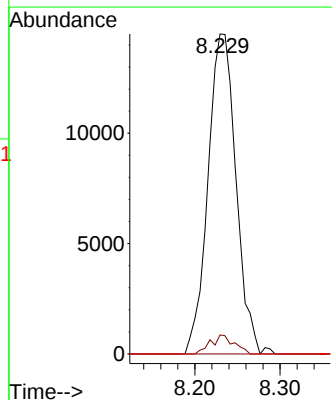
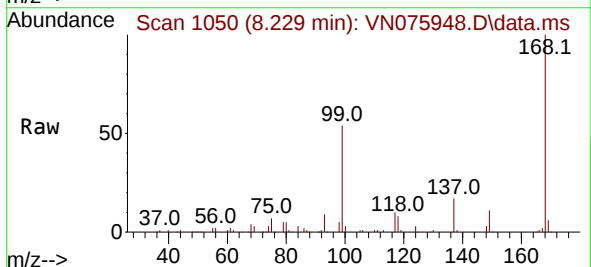
Tgt Ion: 117 Resp: 33166

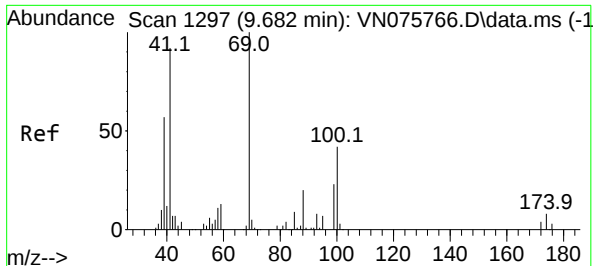
Ion Ratio Lower Upper

117 100

119 5.9 76.1 114.1#

121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 1.746 ug/l

RT: 9.471 min Scan# 1261

Delta R.T. -0.212 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

AUD-1840

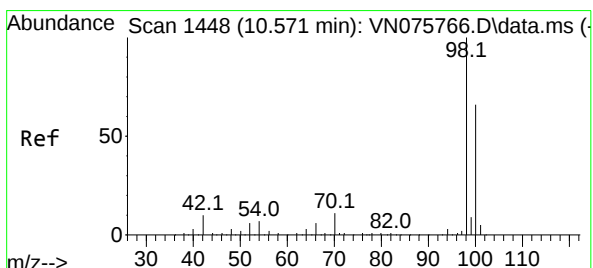
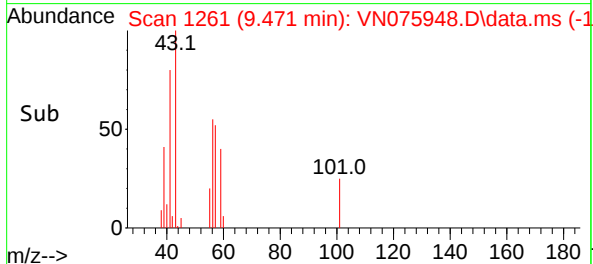
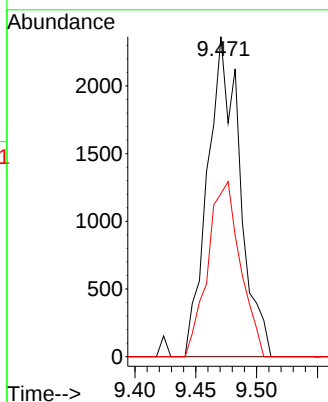
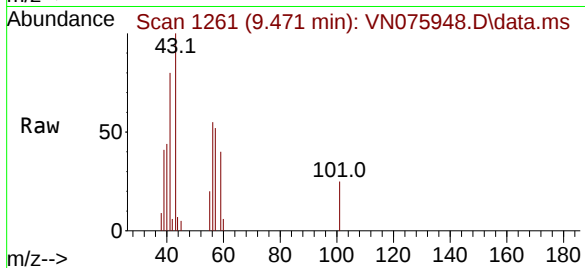
Tgt Ion: 41 Resp: 4367

Ion Ratio Lower Upper

41 100

69 0.0 81.9 122.9#

39 55.1 51.6 77.4



#50

Toluene-d8

Concen: 49.945 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075948.D

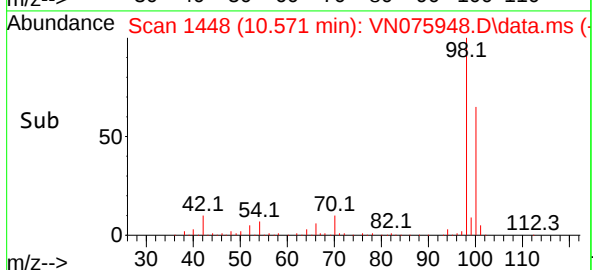
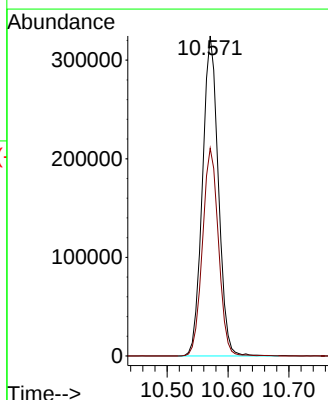
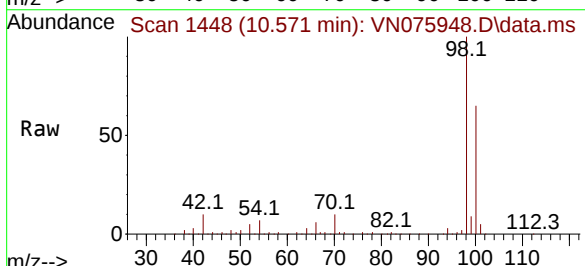
Acq: 22 Dec 2022 16:27

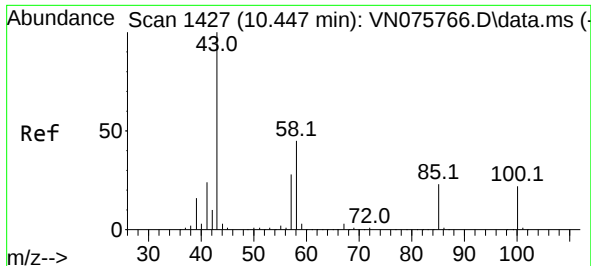
Tgt Ion: 98 Resp: 589302

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.385 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

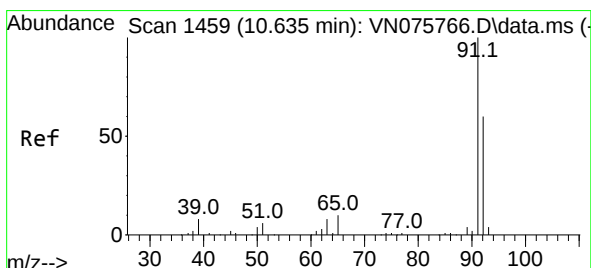
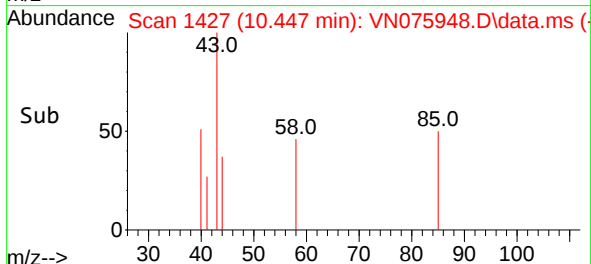
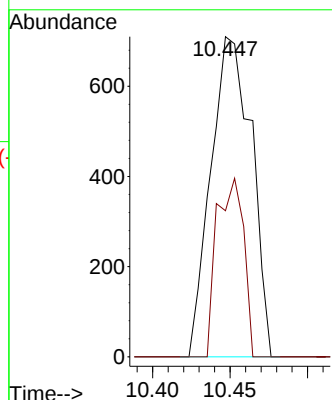
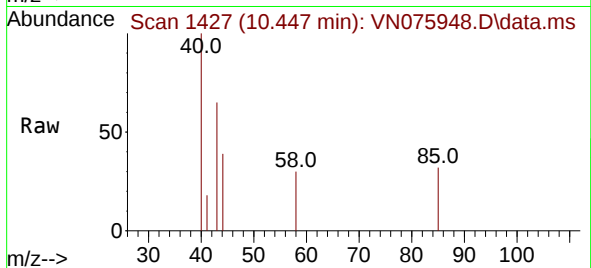
AUD-1840

Tgt Ion: 43 Resp: 1294

Ion Ratio Lower Upper

43 100

58 36.8 35.5 53.3



#52

Toluene

Concen: 7.266 ug/l

RT: 10.635 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VN075948.D

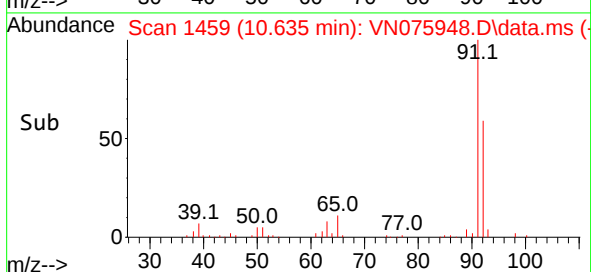
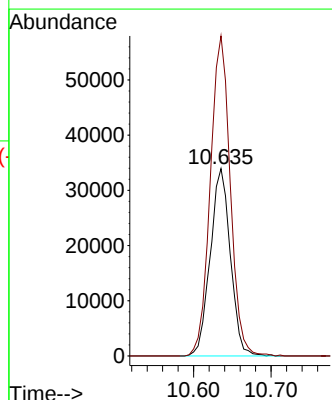
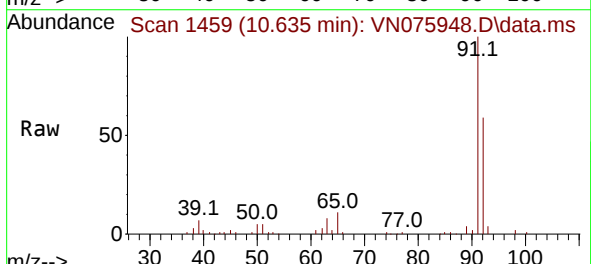
Acq: 22 Dec 2022 16:27

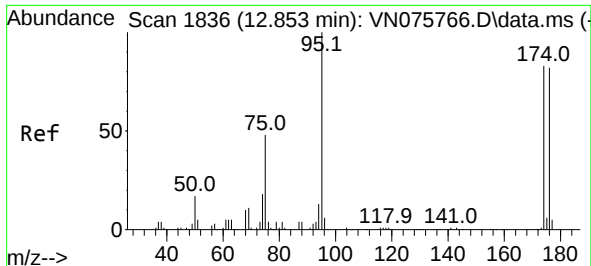
Tgt Ion: 92 Resp: 61205

Ion Ratio Lower Upper

92 100

91 169.6 137.3 205.9

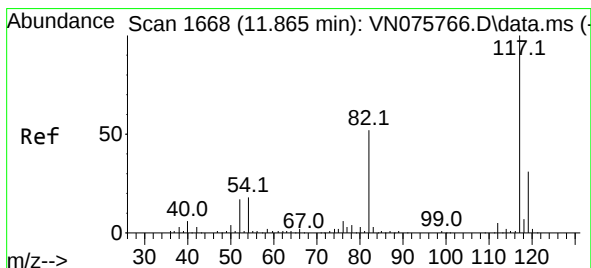
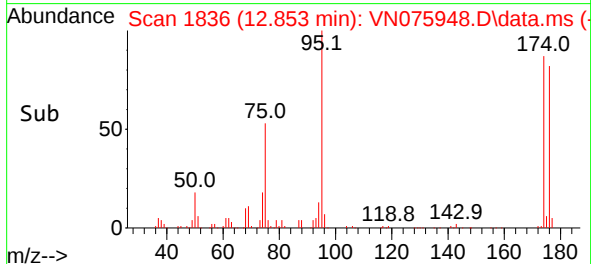
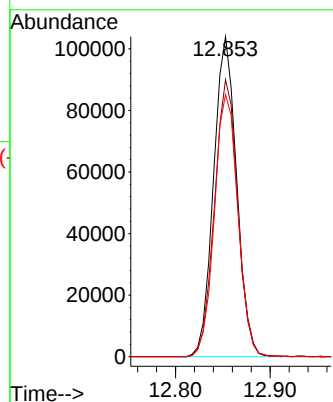
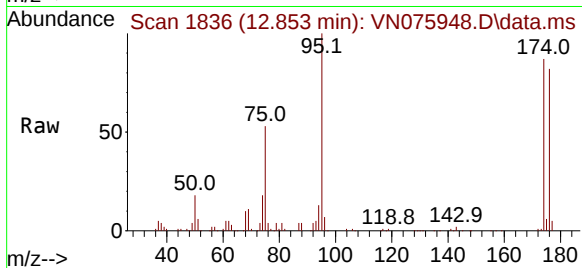




#62
4-Bromofluorobenzene
Concen: 44.885 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075948.D
Acq: 22 Dec 2022 16:27

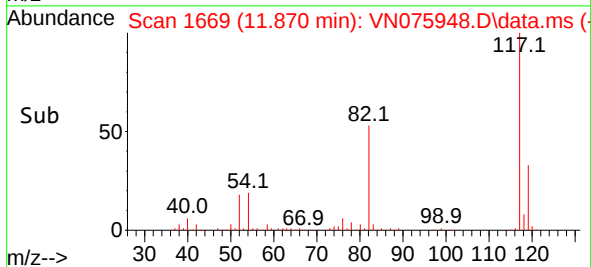
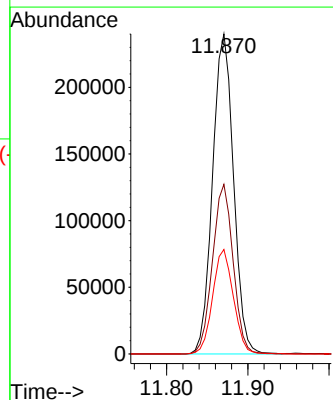
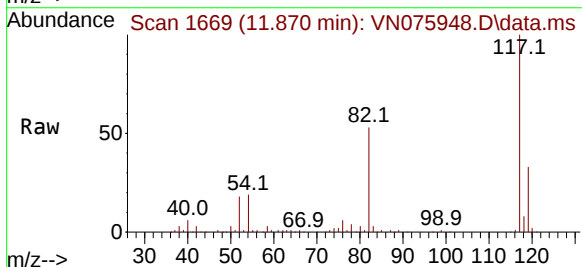
Instrument :
MSVOA_N
ClientSampleId :
AUD-1840

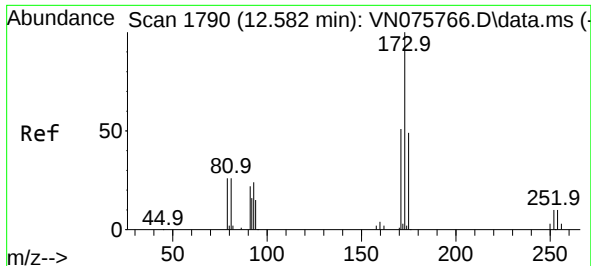
Tgt Ion: 95 Resp: 175408
Ion Ratio Lower Upper
95 100
174 86.9 0.0 171.6
176 83.7 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075948.D
Acq: 22 Dec 2022 16:27

Tgt Ion: 117 Resp: 430894
Ion Ratio Lower Upper
117 100
82 53.0 41.3 61.9
119 32.6 24.6 37.0

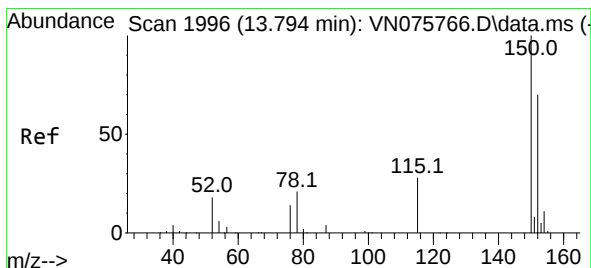
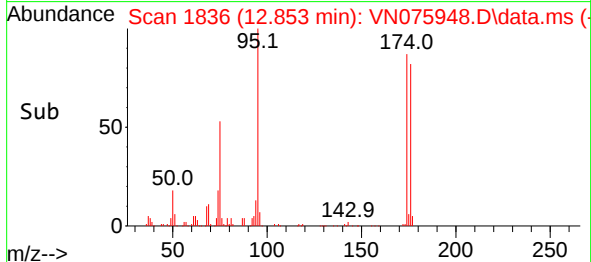
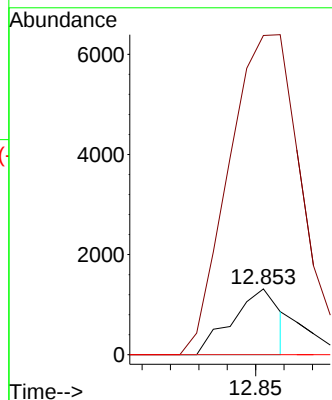
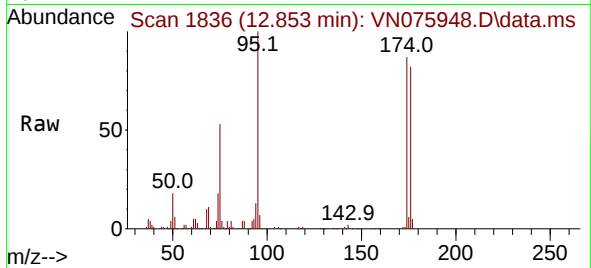




#71
Bromoform
Concen: 0.637 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN075948.D
Acq: 22 Dec 2022 16:27

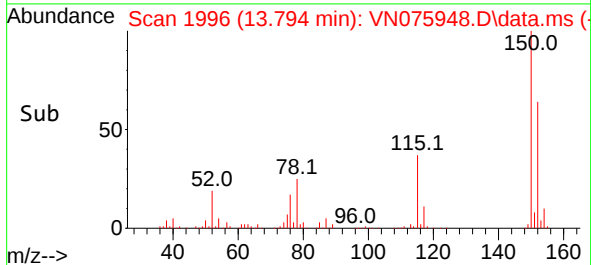
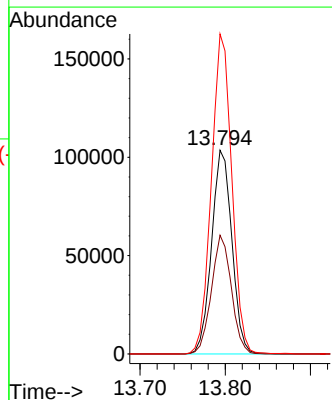
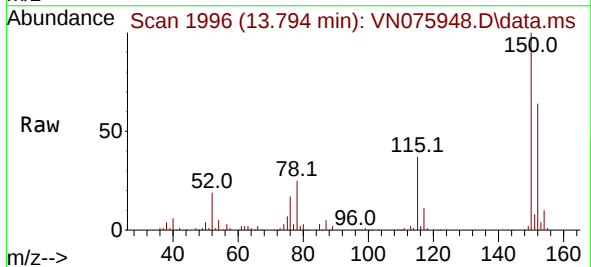
Instrument :
MSVOA_N
ClientSampleId :
AUD-1840

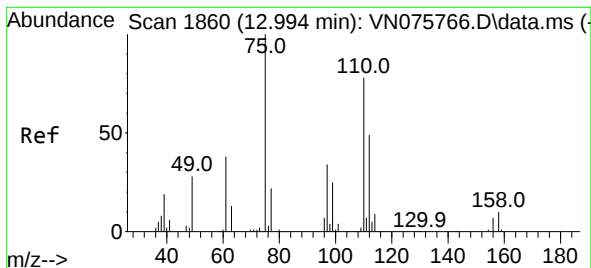
Tgt Ion:173 Resp: 1519
Ion Ratio Lower Upper
173 100
175 0.0 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075948.D
Acq: 22 Dec 2022 16:27

Tgt Ion:152 Resp: 172022
Ion Ratio Lower Upper
152 100
115 57.2 29.1 87.4
150 157.6 0.0 347.0





#76

1,2,3-Trichloropropane

Concen: 26.218 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

Instrument :

MSVOA_N

ClientSampleId :

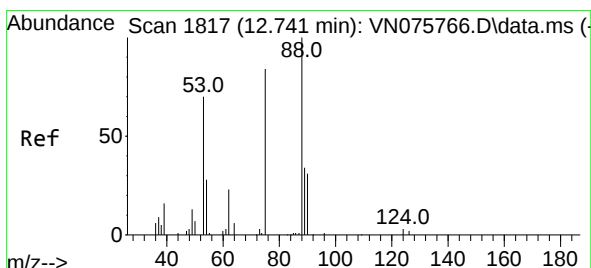
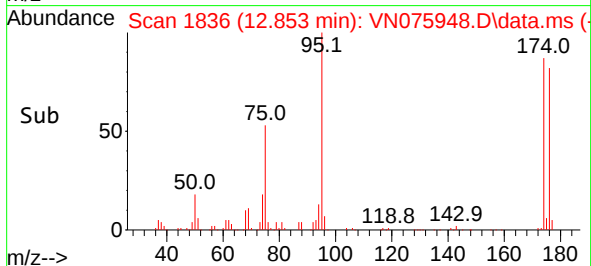
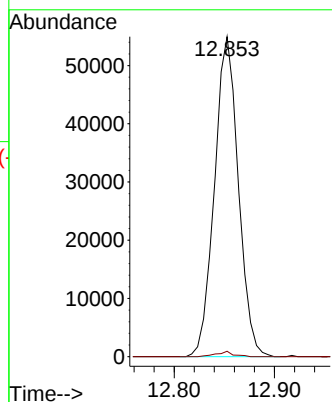
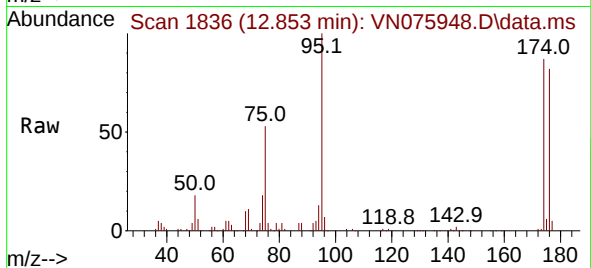
AUD-1840

Tgt Ion: 75 Resp: 90913

Ion Ratio Lower Upper

75 100

77 1.2 82.6 247.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.373 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.112 min

Lab File: VN075948.D

Acq: 22 Dec 2022 16:27

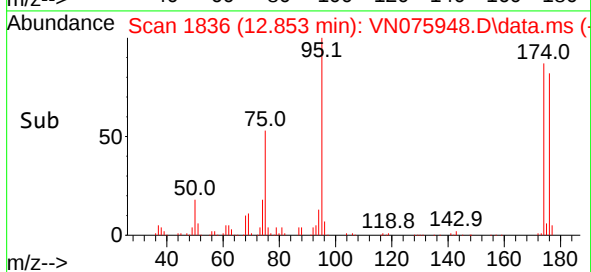
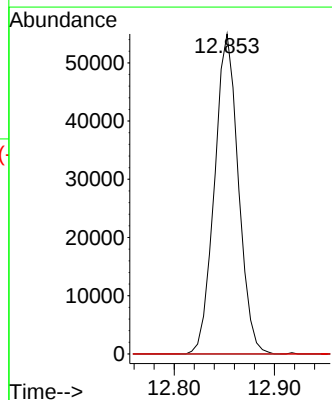
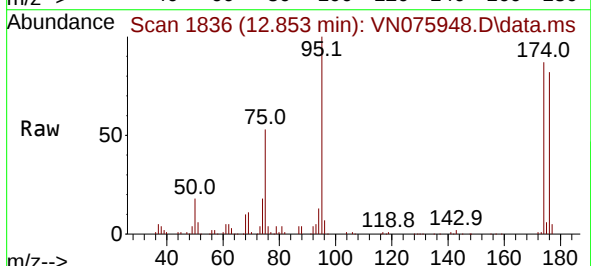
Tgt Ion: 75 Resp: 90913

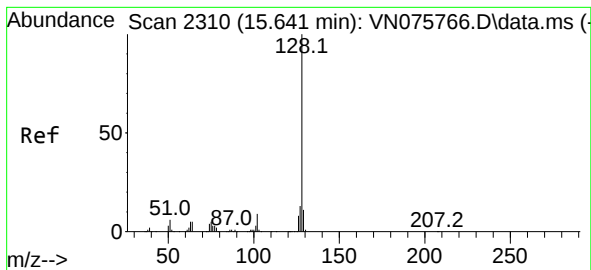
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

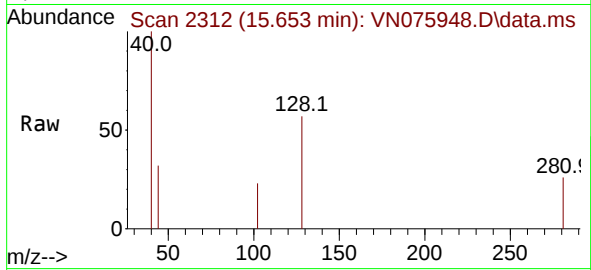
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.231 ug/l
RT: 15.653 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN075948.D
Acq: 22 Dec 2022 16:27

Instrument :
MSVOA_N
ClientSampleId :
AUD-1840



Tgt Ion:128 Resp: 527
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

