

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072737.D
 Acq On : 09 Jun 2022 17:54
 Operator : JC\MD
 Sample : N3175-20 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 AUD-1712RE

Quant Time: Jun 09 18:37:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

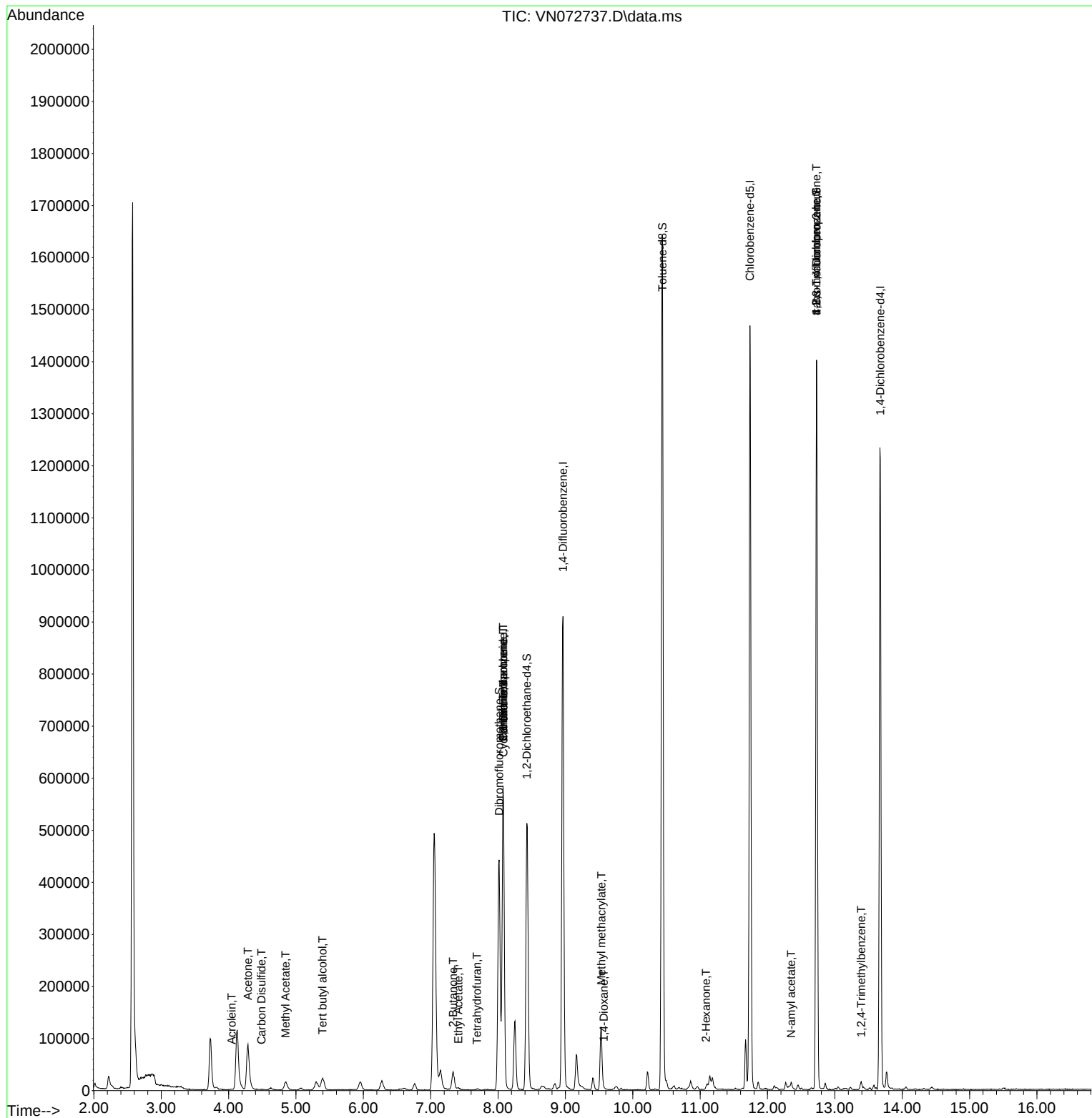
Internal Standards						
1) Pentafluorobenzene	8.075	168	376841	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	731204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	744756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	296984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	428904	42.406	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.820%		
35) Dibromofluoromethane	8.016	113	316204	43.704	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	87.400%		
50) Toluene-d8	10.439	98	1098654	38.060	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	76.120%		
62) 4-Bromofluorobenzene	12.727	95	473628	47.814	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.620%		
Target Compounds						
						Qvalue
3) Chloromethane	2.281	50	548	Below Cal	#	68
5) Bromomethane	2.828	94	53	Below Cal	#	61
6) Chloroethane	3.005	64	224	Below Cal	#	42
11) Tert butyl alcohol	5.393	59	42855	17.762	ug/l	# 86
13) Acrolein	4.046	56	2148	2.156	ug/l	85
16) Acetone	4.287	43	161287	33.280	ug/l	90
17) Carbon Disulfide	4.487	76	929	0.356	ug/l	# 75
18) Methyl Acetate	4.846	43	34897	2.767	ug/l	91
25) 2-Butanone	7.334	43	42861	5.498	ug/l	90
29) Tetrahydrofuran	7.687	42	1559	0.324	ug/l	# 58
31) Cyclohexane	8.081	56	12376	0.451	ug/l	# 47
36) 1,1-Dichloropropene	8.075	75	41757	4.158	ug/l	# 48
37) Ethyl Acetate	7.410	43	4289	0.275	ug/l	# 79
38) Carbon Tetrachloride	8.075	117	45034	4.196	ug/l	# 16
48) Methyl methacrylate	9.534	41	36399	3.166	ug/l	# 39
49) 1,4-Dioxane	9.569	88	60	0.286	ug/l	# 25
59) 2-Hexanone	11.086	43	5375	0.462	ug/l	65
74) N-amyl acetate	12.351	43	12076	0.816	ug/l	# 39
76) 1,2,3-Trichloropropane	12.727	75	276852	28.888	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	276852	75.551	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.392	105	6580	0.272	ug/l	# 36

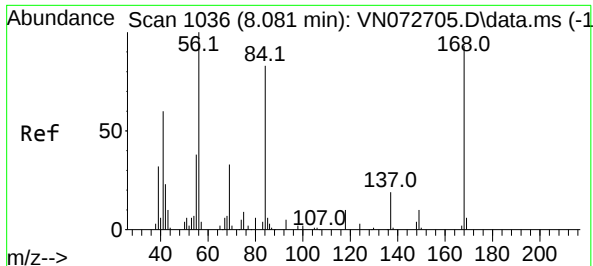
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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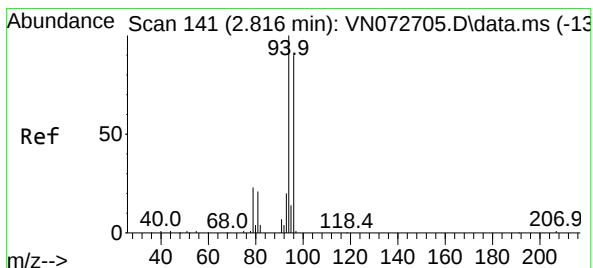
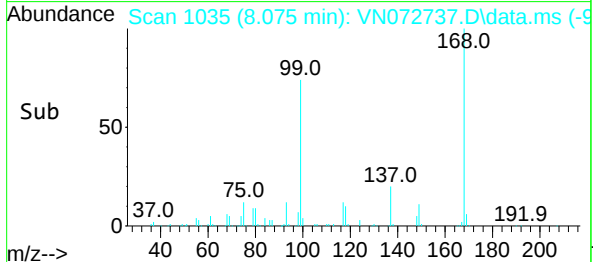
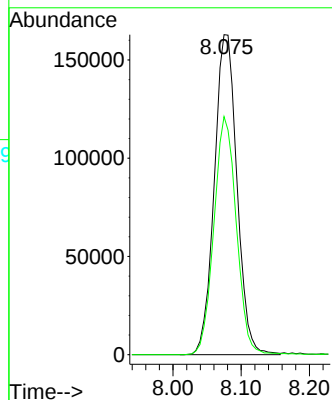
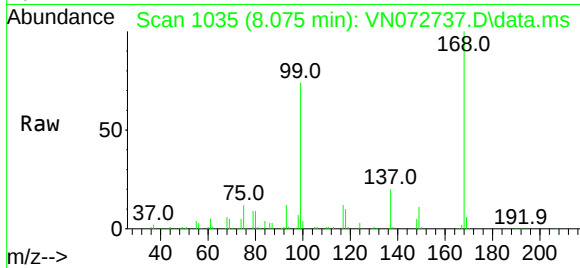




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.075 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

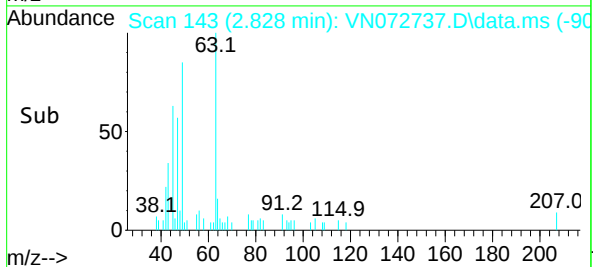
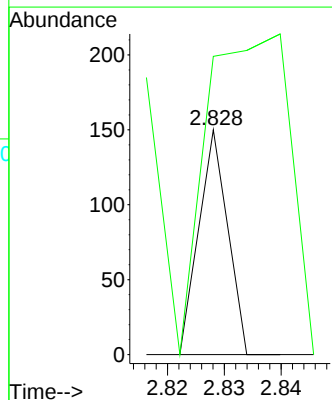
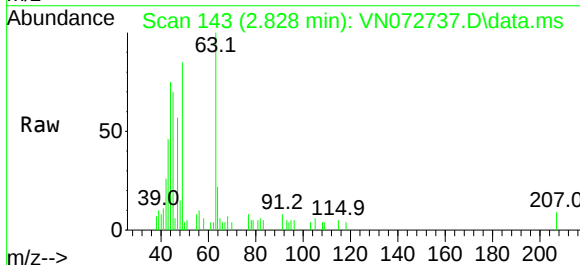
Instrument :
MSVOA_N
ClientSampleId :
AUD-1712RE

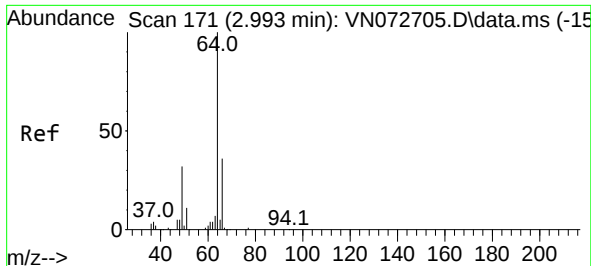
Tgt Ion:168 Resp: 376841
Ion Ratio Lower Upper
168 100
99 74.4 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.828 min Scan# 143
Delta R.T. 0.012 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 94 Resp: 53
Ion Ratio Lower Upper
94 100
96 132.7 76.0 114.0#

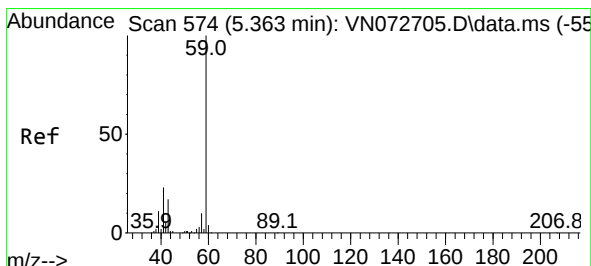
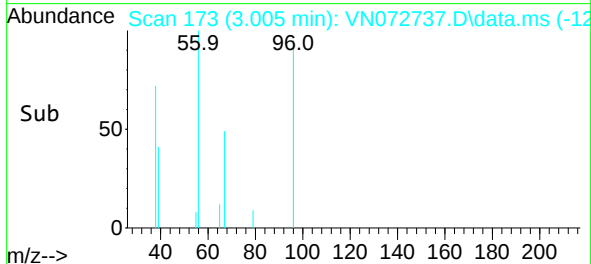
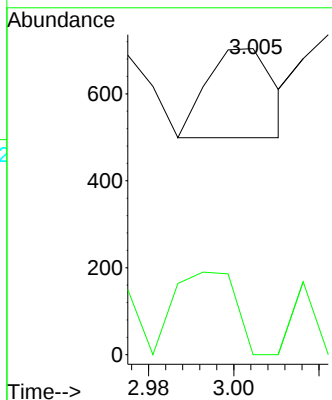
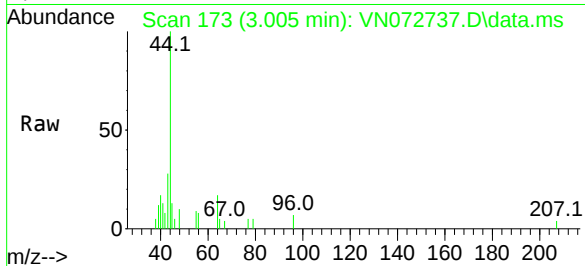




#6
Chloroethane
Concen: Below Cal
RT: 3.005 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

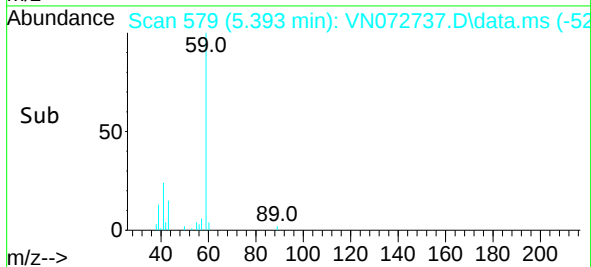
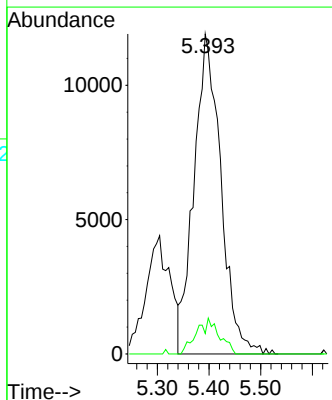
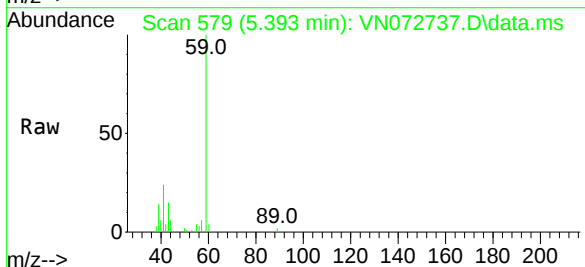
Instrument :
MSVOA_N
ClientSampleId :
AUD-1712RE

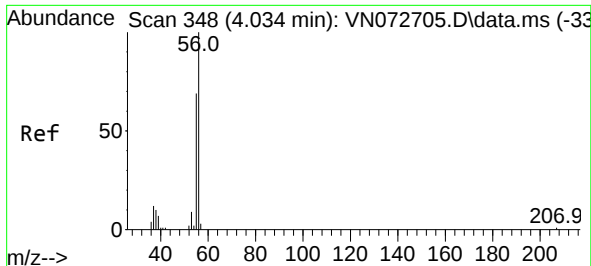
Tgt Ion: 64 Resp: 224
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 17.762 ug/l
RT: 5.393 min Scan# 579
Delta R.T. 0.030 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 59 Resp: 42855
Ion Ratio Lower Upper
59 100
57 5.2 8.3 12.5#

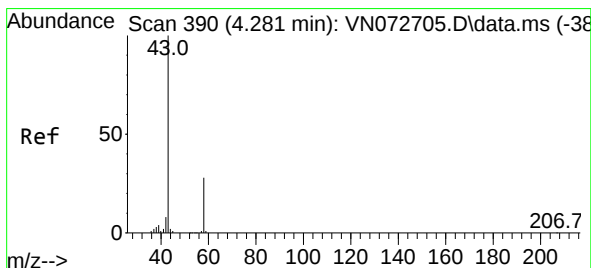
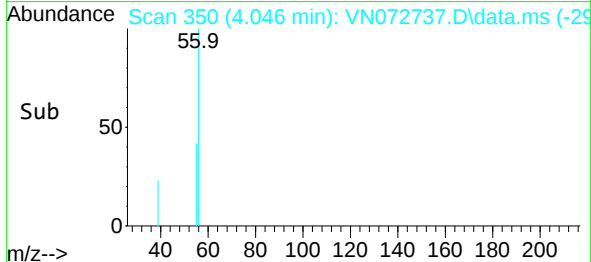
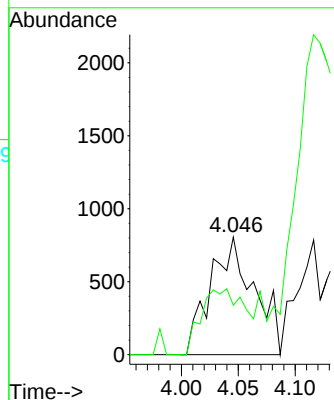
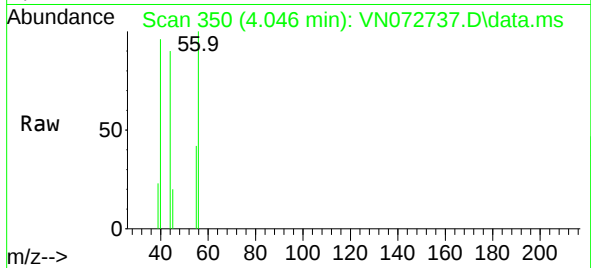




#13
Acrolein
Concen: 2.156 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

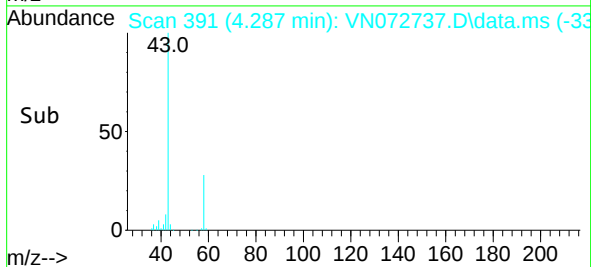
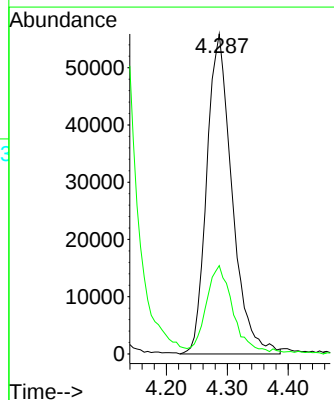
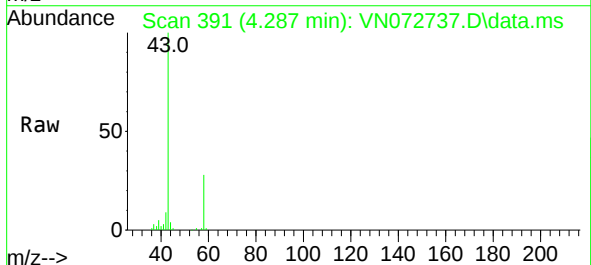
Instrument :
MSVOA_N
ClientSampleId :
AUD-1712RE

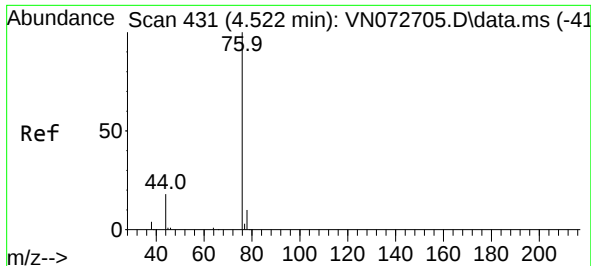
Tgt Ion: 56 Resp: 2148
Ion Ratio Lower Upper
56 100
55 56.2 54.8 82.2



#16
Acetone
Concen: 33.280 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 43 Resp: 161287
Ion Ratio Lower Upper
43 100
58 26.8 26.0 39.0

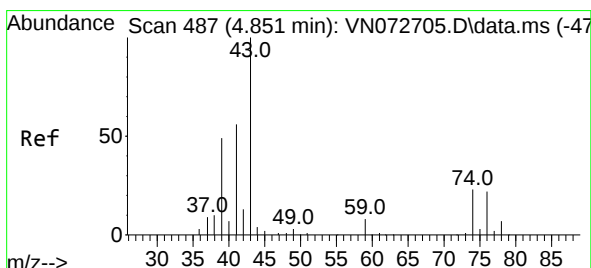
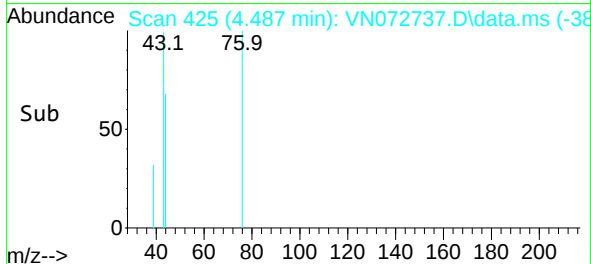
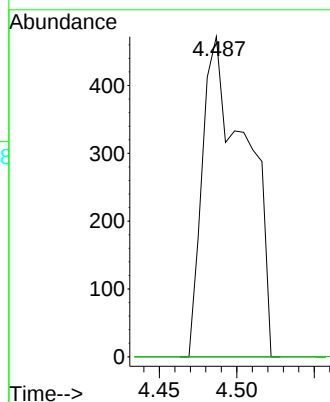
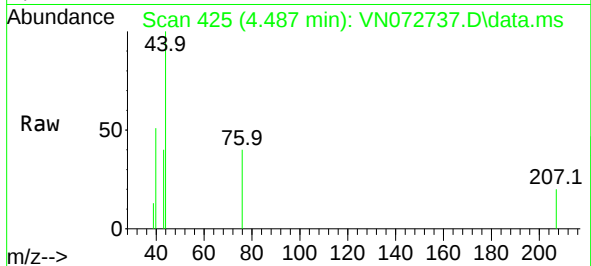




#17
Carbon Disulfide
Concen: 0.356 ug/l
RT: 4.487 min Scan# 431
Delta R.T. -0.035 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

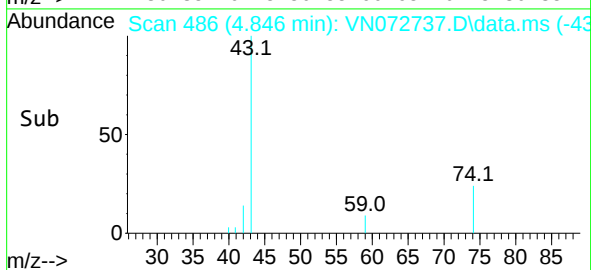
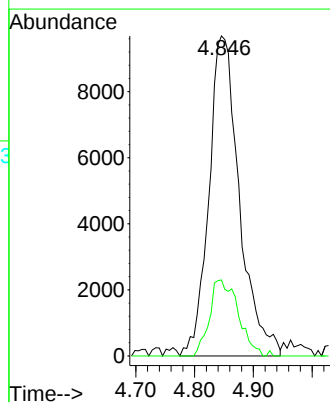
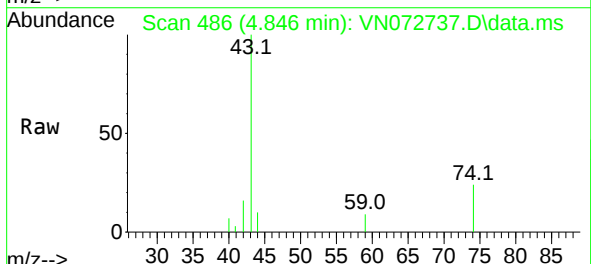
Instrument :
MSVOA_N
ClientSampleId :
AUD-1712RE

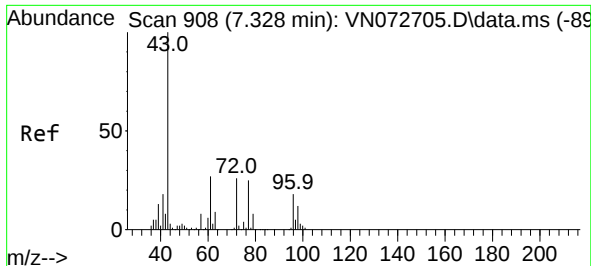
Tgt Ion: 76 Resp: 929
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 2.767 ug/l
RT: 4.846 min Scan# 486
Delta R.T. -0.005 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 43 Resp: 34897
Ion Ratio Lower Upper
43 100
74 22.3 21.6 32.4

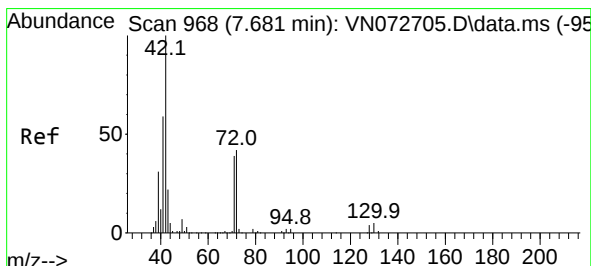
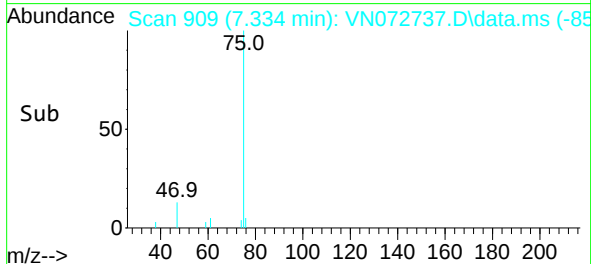
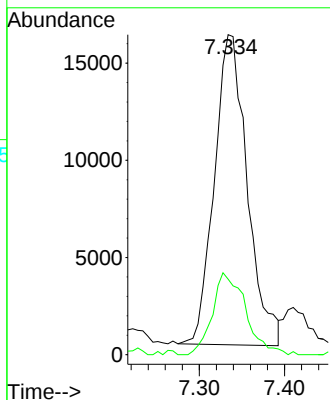
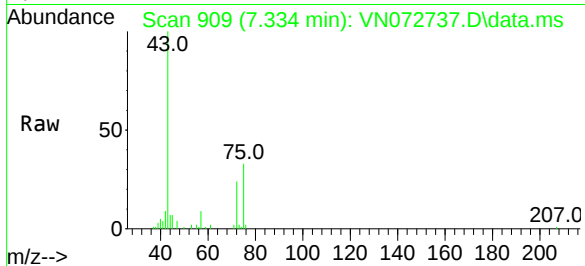




#25
2-Butanone
Concen: 5.498 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

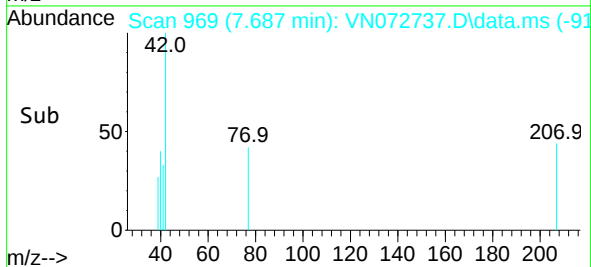
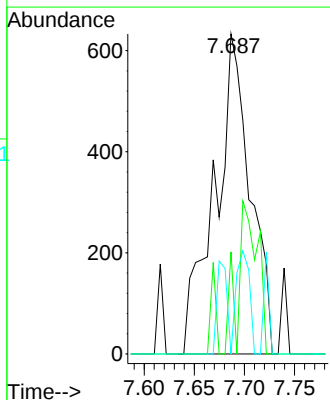
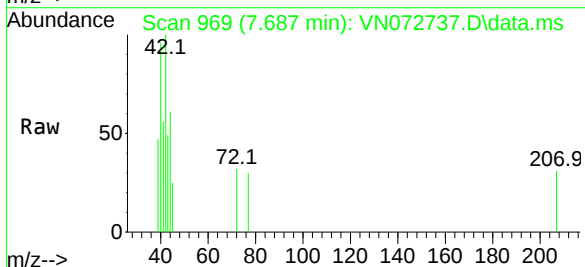
Instrument :
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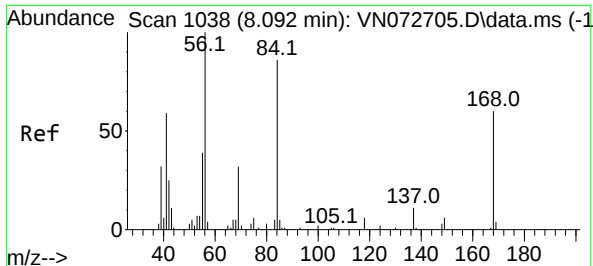
Tgt Ion: 43 Resp: 42861
Ion Ratio Lower Upper
43 100
72 24.4 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.324 ug/l
RT: 7.687 min Scan# 969
Delta R.T. 0.006 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 42 Resp: 1559
Ion Ratio Lower Upper
42 100
72 27.1 39.7 59.5#
71 12.0 36.6 55.0#

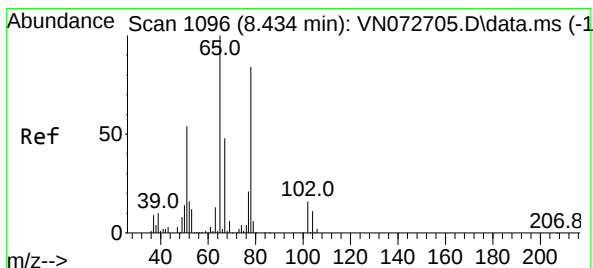
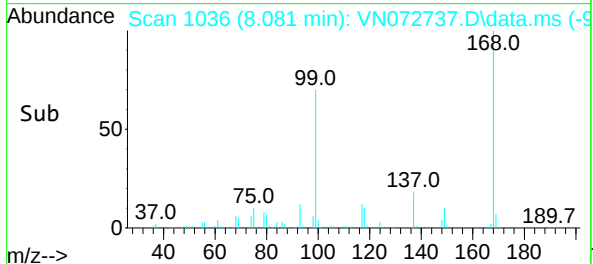
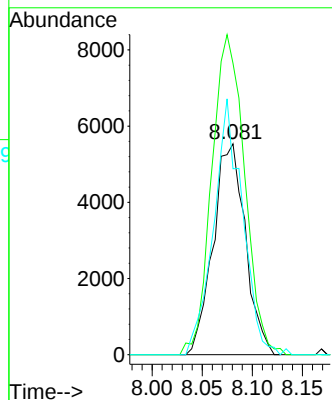
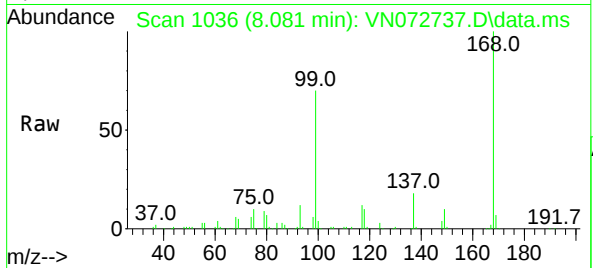




#31
Cyclohexane
Concen: 0.451 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

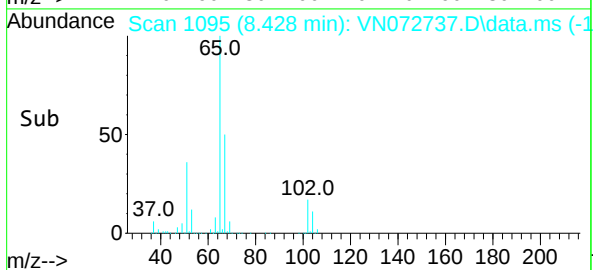
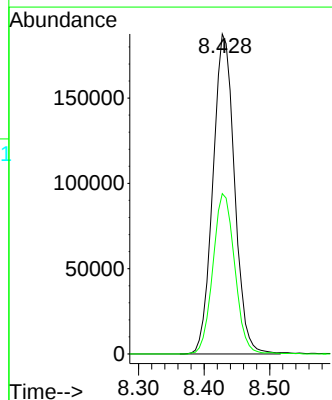
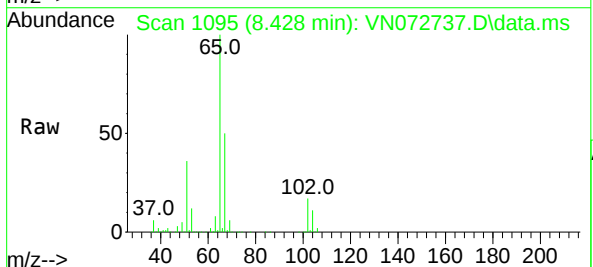
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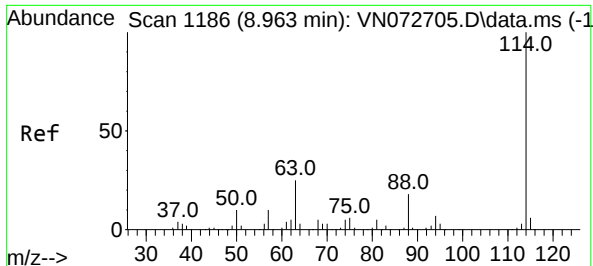
Tgt Ion: 56 Resp: 12376
Ion Ratio Lower Upper
56 100
69 138.2 27.8 41.8#
84 88.2 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 42.406 ug/l
RT: 8.428 min Scan# 1095
Delta R.T. -0.006 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 65 Resp: 428904
Ion Ratio Lower Upper
65 100
67 50.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072737.D

Acq: 09 Jun 2022 17:54

Instrument :

MSVOA_N

ClientSampleId :

AUD-1712RE

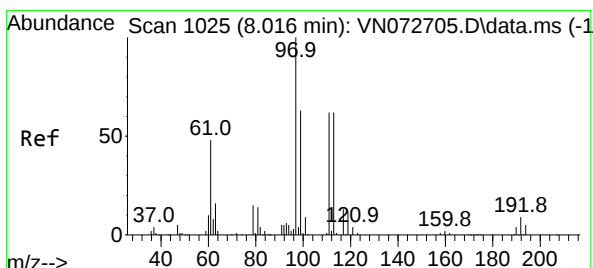
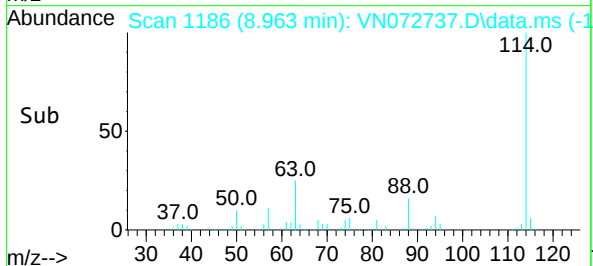
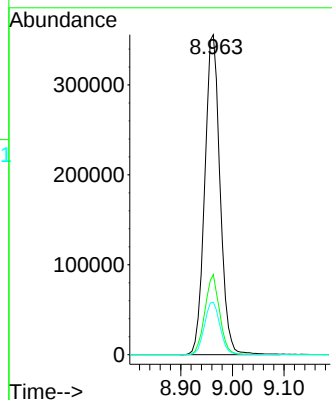
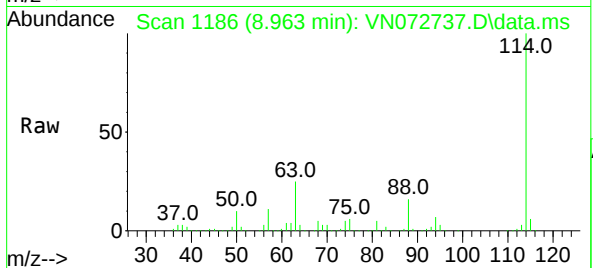
Tgt Ion:114 Resp: 731204

Ion Ratio Lower Upper

114 100

63 25.0 0.0 40.0

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 43.704 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072737.D

Acq: 09 Jun 2022 17:54

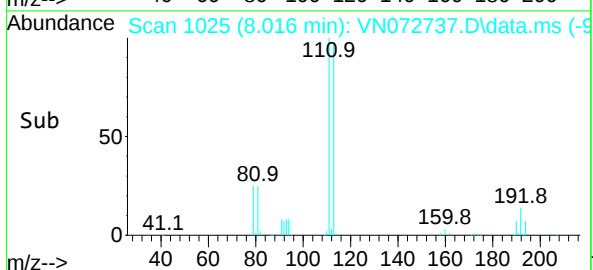
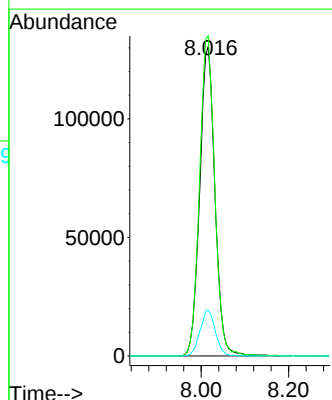
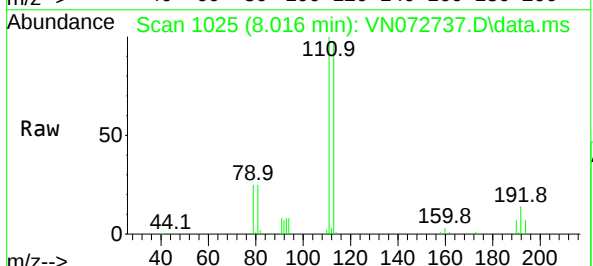
Tgt Ion:113 Resp: 316204

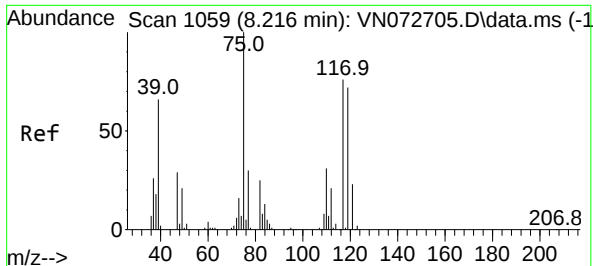
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 15.0 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.158 ug/l

RT: 8.075 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN072737.D

Acq: 09 Jun 2022 17:54

Instrument :

MSVOA_N

ClientSampleId :

AUD-1712RE

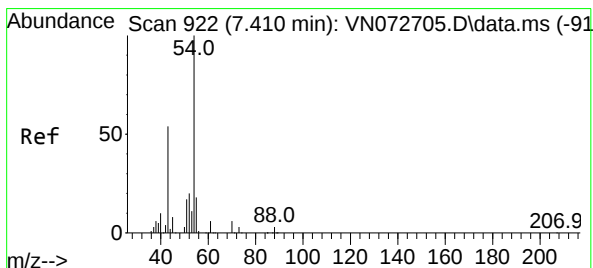
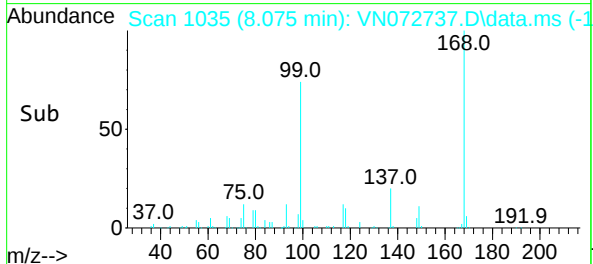
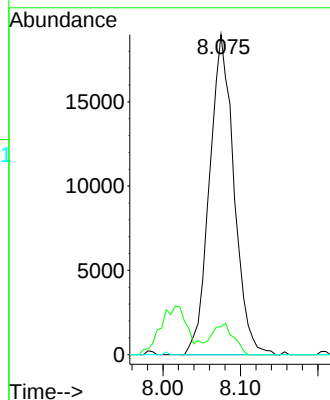
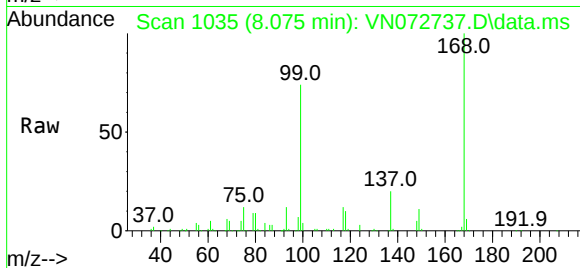
Tgt Ion: 75 Resp: 41757

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.275 ug/l

RT: 7.410 min Scan# 922

Delta R.T. 0.000 min

Lab File: VN072737.D

Acq: 09 Jun 2022 17:54

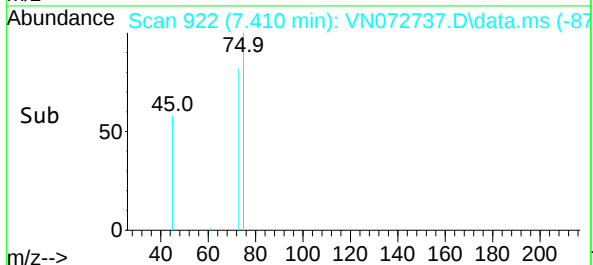
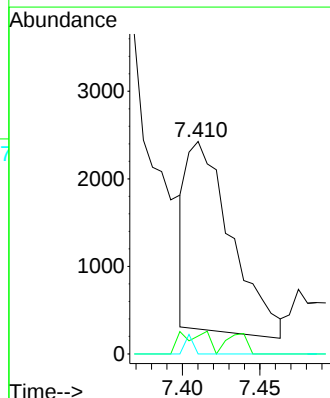
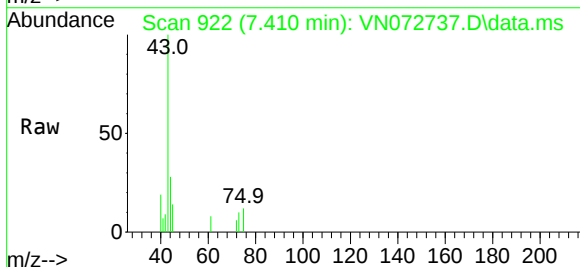
Tgt Ion: 43 Resp: 4289

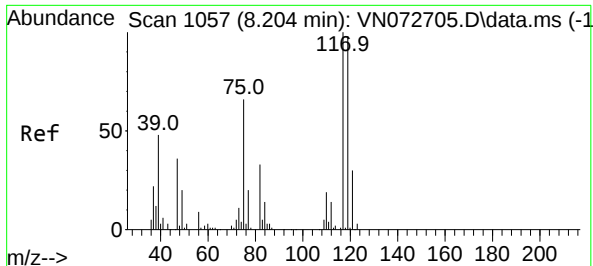
Ion Ratio Lower Upper

43 100

61 7.2 11.8 17.6#

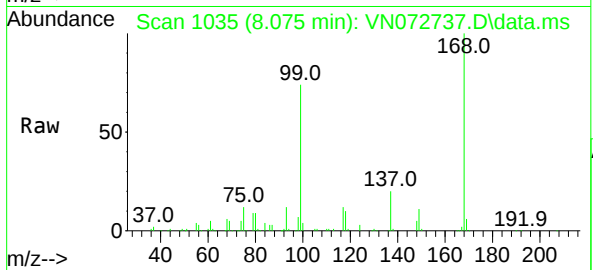
70 1.8 9.3 13.9#



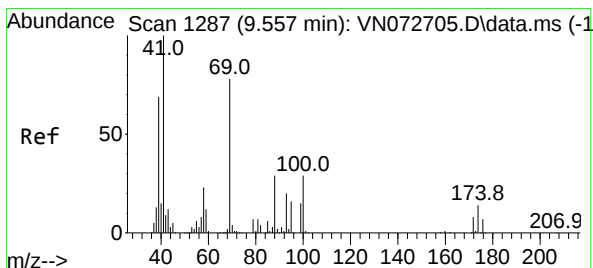
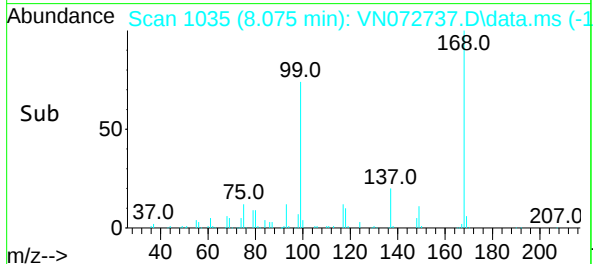
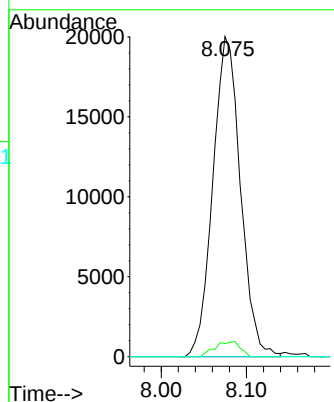


#38
Carbon Tetrachloride
Concen: 4.196 ug/l
RT: 8.075 min Scan# 1057
Delta R.T. -0.129 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Instrument :
MSVOA_N
ClientSampleId :
AUD-1712RE

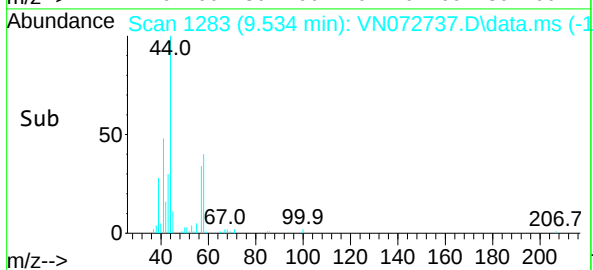
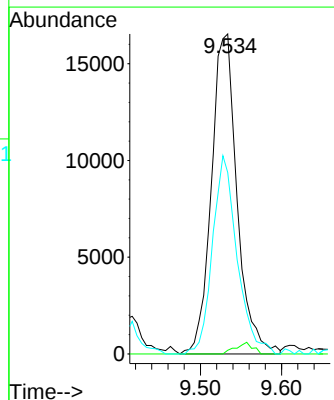
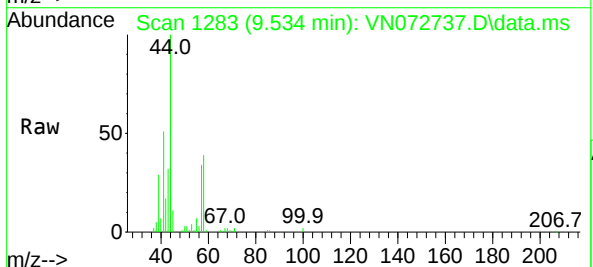


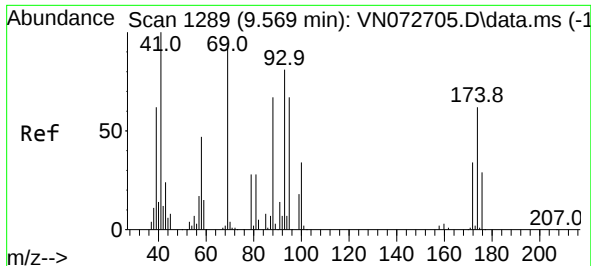
Tgt Ion:117 Resp: 45034
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.8#
121 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 3.166 ug/l
RT: 9.534 min Scan# 1283
Delta R.T. -0.024 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 41 Resp: 36399
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 59.3 45.6 68.4





#49

1,4-Dioxane

Concen: 0.286 ug/l

RT: 9.569 min Scan# 1289

Delta R.T. -0.000 min

Lab File: VN072737.D

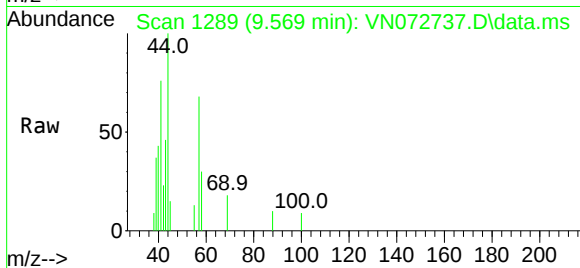
Acq: 09 Jun 2022 17:54

Instrument :

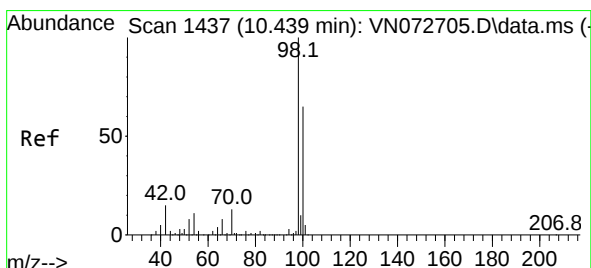
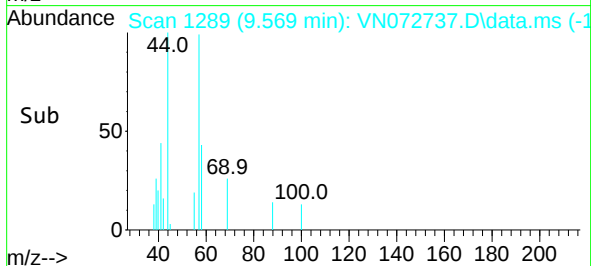
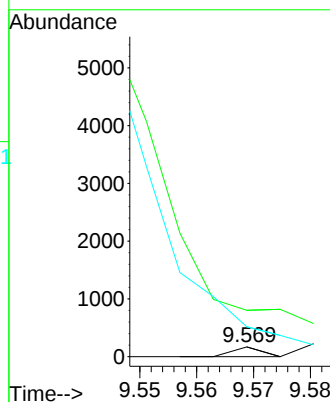
MSVOA_N

ClientSampleId :

AUD-1712RE



Tgt Ion:	88	Resp:	60
Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.2	30.4#
58	0.0	54.2	81.4#



#50

Toluene-d8

Concen: 38.060 ug/l

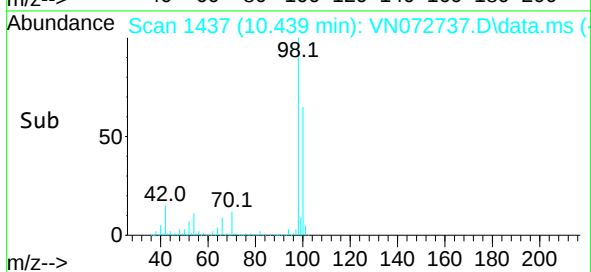
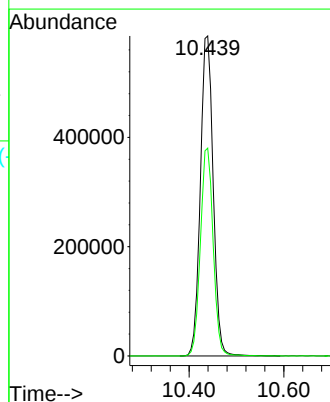
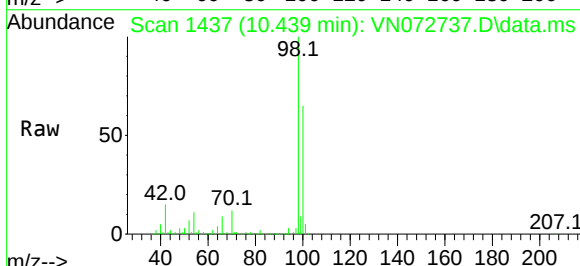
RT: 10.439 min Scan# 1437

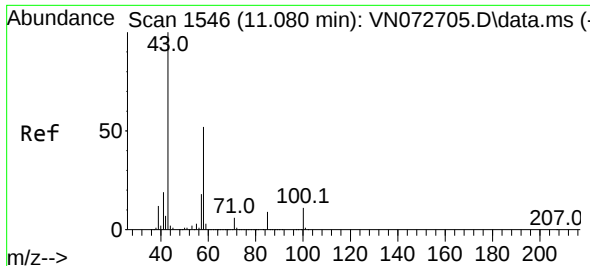
Delta R.T. 0.000 min

Lab File: VN072737.D

Acq: 09 Jun 2022 17:54

Tgt Ion:	98	Resp:	1098654
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	78.8

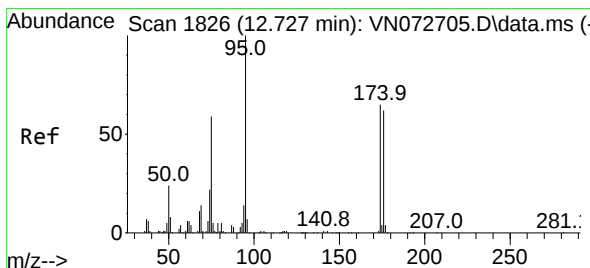
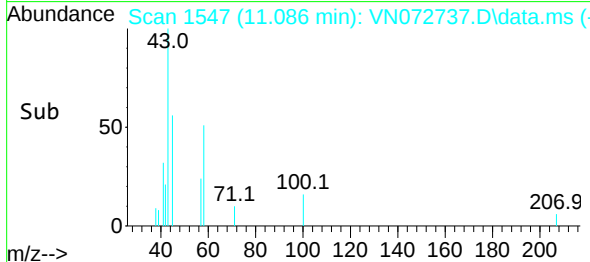
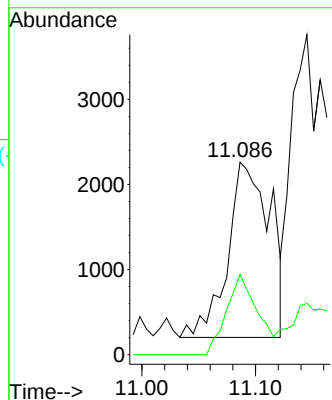
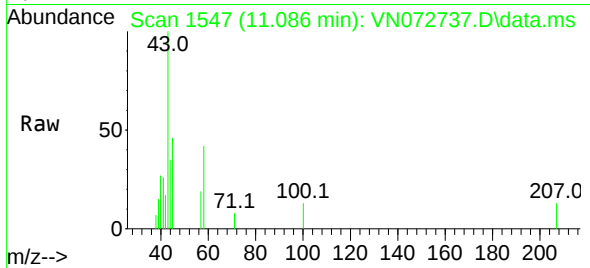




#59
2-Hexanone
Concen: 0.462 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

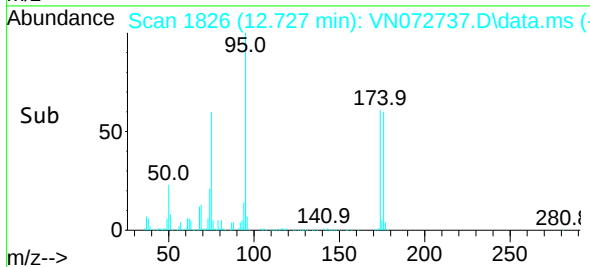
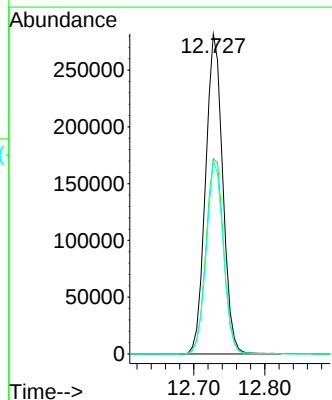
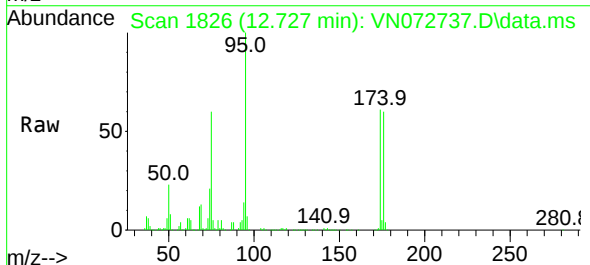
Instrument :
MSVOA_N
ClientSampleId :
AUD-1712RE

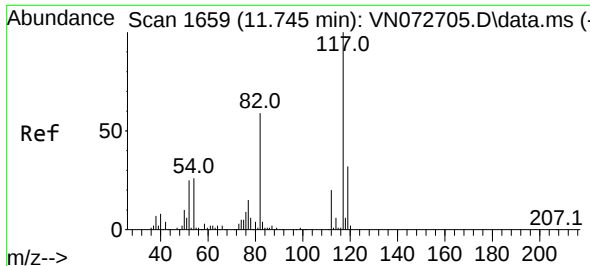
Tgt Ion: 43 Resp: 5375
Ion Ratio Lower Upper
43 100
58 33.1 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 47.814 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 95 Resp: 473628
Ion Ratio Lower Upper
95 100
174 62.8 0.0 167.6
176 59.9 0.0 163.4

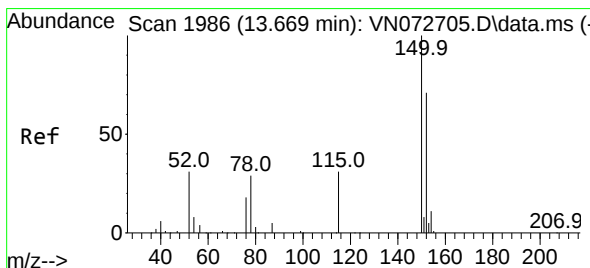
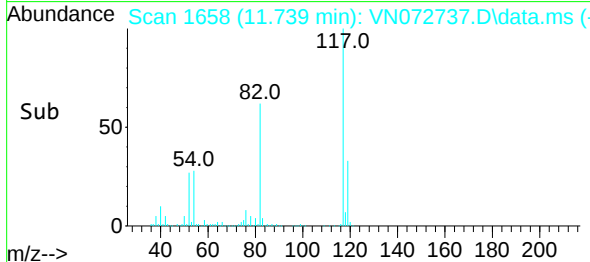
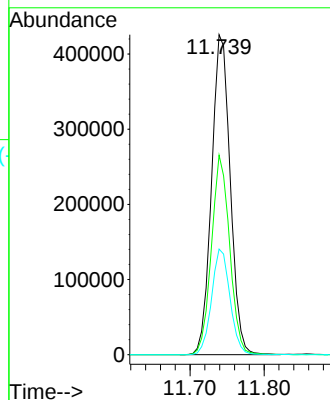
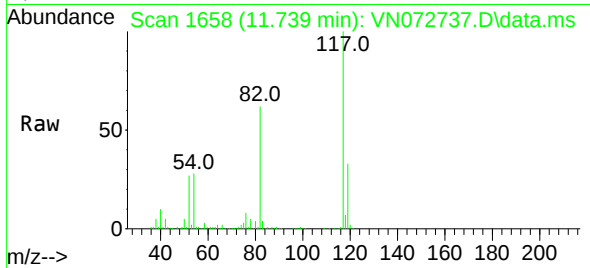




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

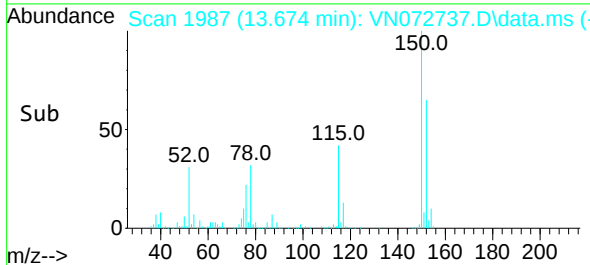
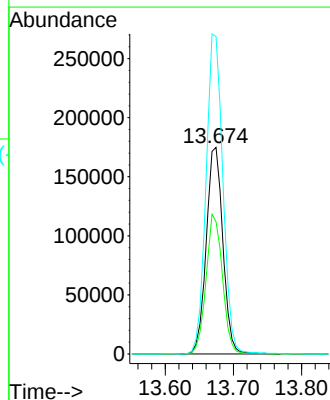
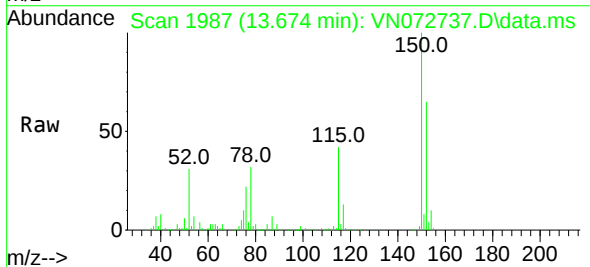
Instrument :
MSVOA_N
ClientSampleId :
AUD-1712RE

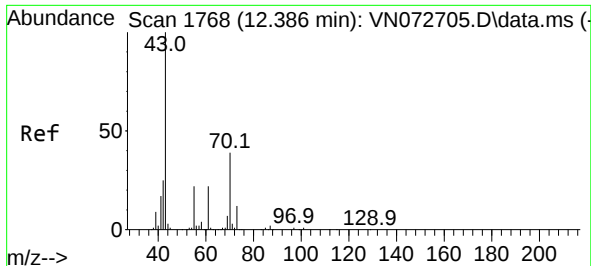
Tgt Ion:117 Resp: 744756
Ion Ratio Lower Upper
117 100
82 62.4 44.2 66.2
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion:152 Resp: 296984
Ion Ratio Lower Upper
152 100
115 66.6 28.9 86.7
150 156.8 0.0 356.2

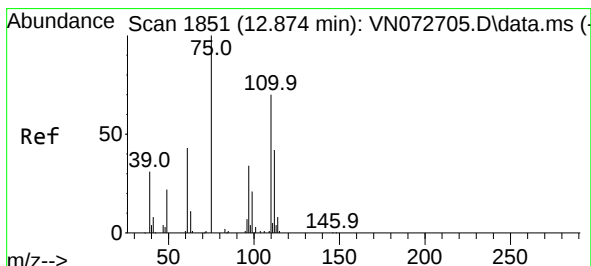
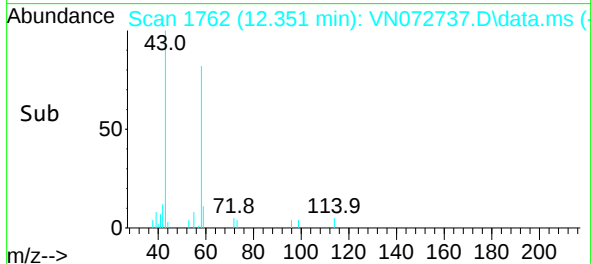
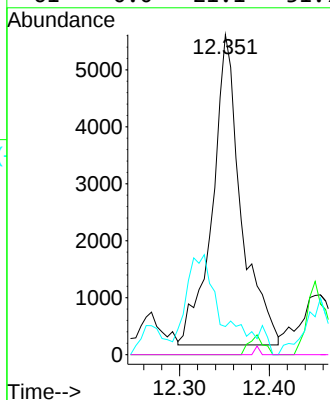
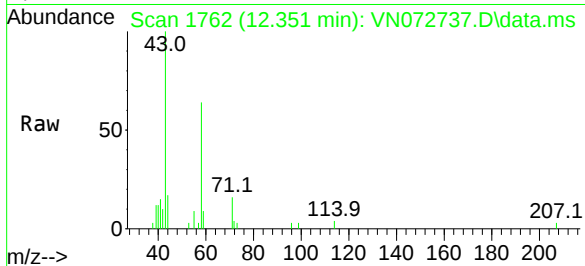




#74
N-amy1 acetate
Concen: 0.816 ug/l
RT: 12.351 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

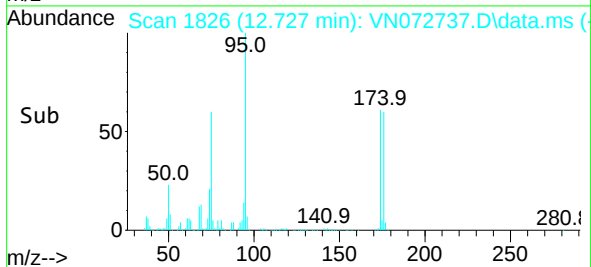
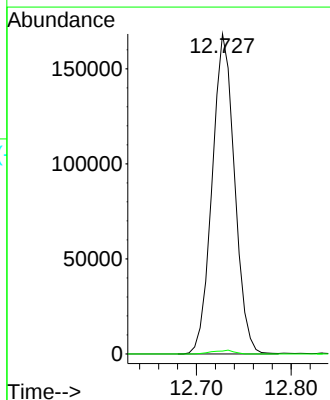
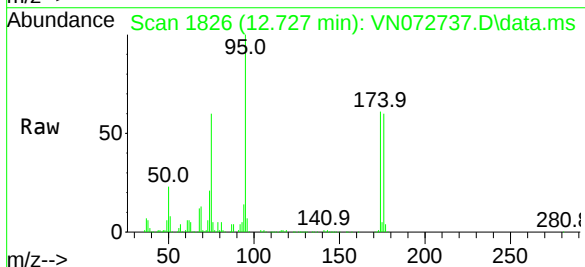
Instrument :
MSVOA_N
ClientSampleId :
AUD-1712RE

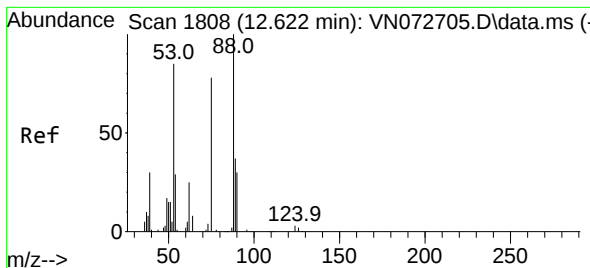
Tgt Ion: 43 Resp: 12076
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 28.888 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 75 Resp: 276852
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#

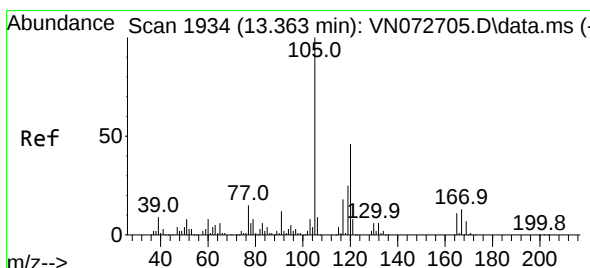
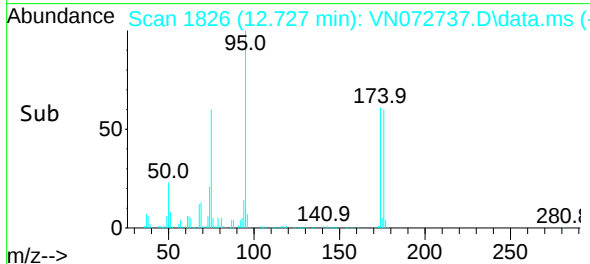
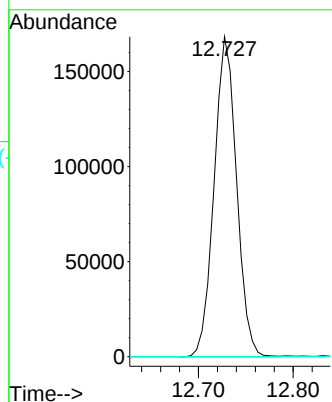
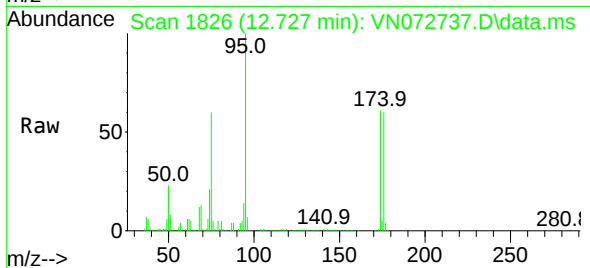




#81
trans-1,4-Dichloro-2-butene
Concen: 75.551 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Instrument :
MSVOA_N
ClientSampleId :
AUD-1712RE

Tgt Ion: 75 Resp: 276852
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.272 ug/l
RT: 13.392 min Scan# 1939
Delta R.T. 0.029 min
Lab File: VN072737.D
Acq: 09 Jun 2022 17:54

Tgt Ion: 105 Resp: 6580
Ion Ratio Lower Upper
105 100
120 4.1 23.3 69.8#

