

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076705.D
 Acq On : 16 Feb 2023 12:39
 Operator : JC\MD
 Sample : 01561-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:08:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

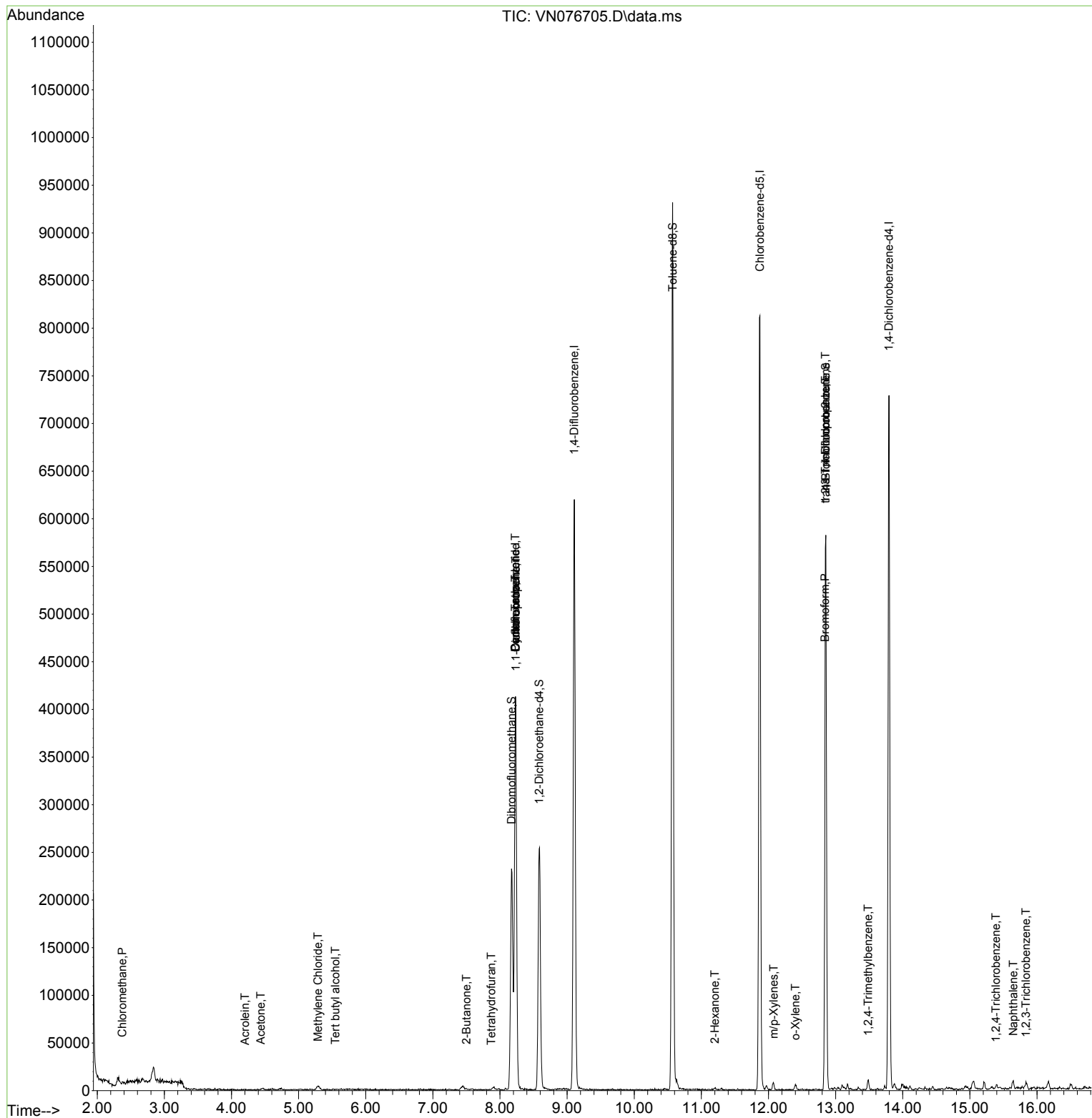
Internal Standards						
1) Pentafluorobenzene	8.231	168	290239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	518105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	459046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	182787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	203506	50.778	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.560%
35) Dibromofluoromethane	8.172	113	165294	48.717	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.440%
50) Toluene-d8	10.572	98	624977	49.323	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.640%
62) 4-Bromofluorobenzene	12.854	95	193490	46.105	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.372	50	1019	0.253	ug/l	92
11) Tert butyl alcohol	5.548	59	209	0.395	ug/l #	71
13) Acrolein	4.202	56	496	0.625	ug/l #	14
16) Acetone	4.437	43	941	0.526	ug/l #	21
20) Methylene Chloride	5.290	84	2531	0.675	ug/l #	51
25) 2-Butanone	7.501	43	669	0.253	ug/l #	51
29) Tetrahydrofuran	7.872	42	483	0.280	ug/l #	37
31) Cyclohexane	8.231	56	8617	1.371	ug/l #	16
36) 1,1-Dichloropropene	8.237	75	26753	5.457	ug/l #	51
38) Carbon Tetrachloride	8.231	117	28836	5.831	ug/l #	17
59) 2-Hexanone	11.201	43	1431	0.372	ug/l	100
68) m/p-Xylenes	12.077	106	2110	0.330	ug/l	81
69) o-Xylene	12.401	106	1572	0.252	ug/l	89
71) Bromoform	12.842	173	1093	0.422	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	102904	27.846	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	102904	81.104	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.483	105	6416	0.581	ug/l	88
93) 1,2,4-Trichlorobenzene	15.389	180	1439	0.445	ug/l	85
95) Naphthalene	15.648	128	8353	0.852	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.836	180	814	0.260	ug/l #	1

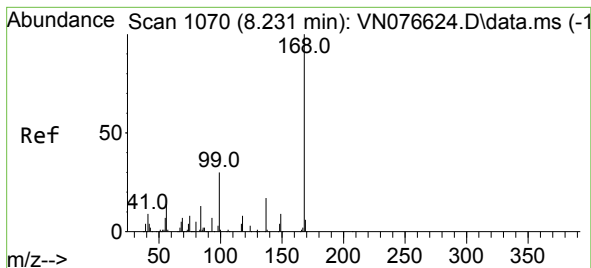
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076705.D

Acq: 16 Feb 2023 12:39

Instrument :

MSVOA_N

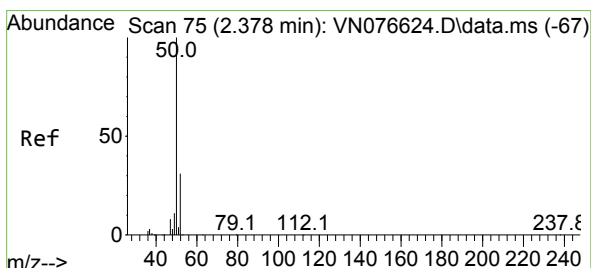
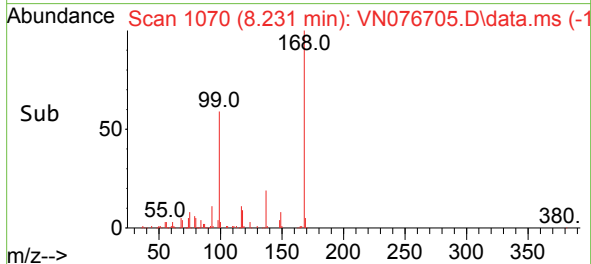
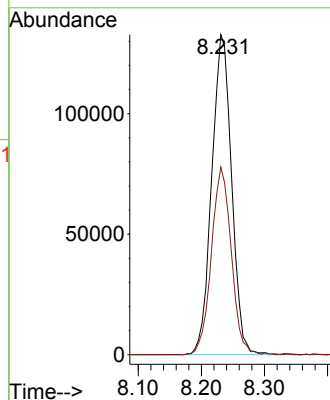
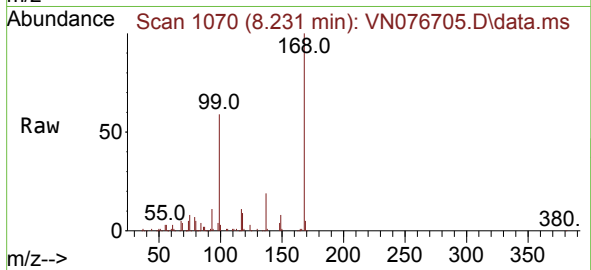
ClientSampleId :

Tgt Ion:168 Resp: 290239

Ion Ratio Lower Upper

168 100

99 58.6 44.8 67.2



#3

Chloromethane

Concen: 0.253 ug/l

RT: 2.372 min Scan# 74

Delta R.T. -0.006 min

Lab File: VN076705.D

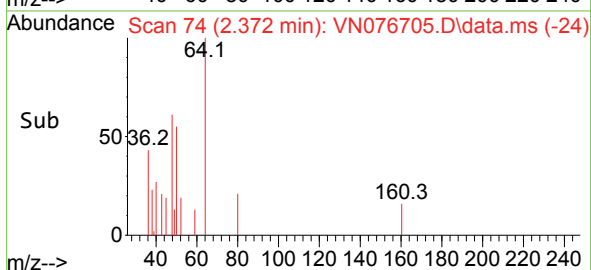
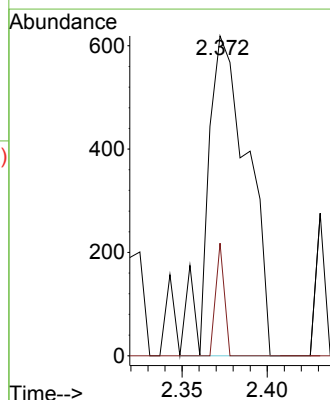
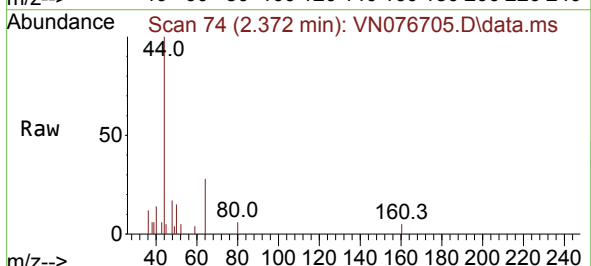
Acq: 16 Feb 2023 12:39

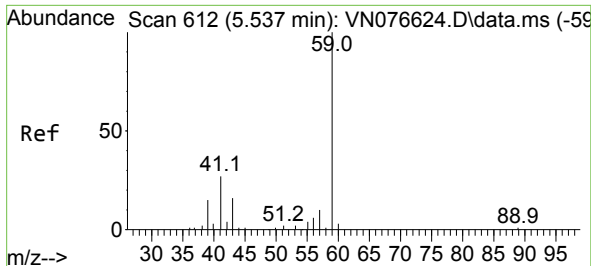
Tgt Ion: 50 Resp: 1019

Ion Ratio Lower Upper

50 100

52 35.2 24.7 37.1

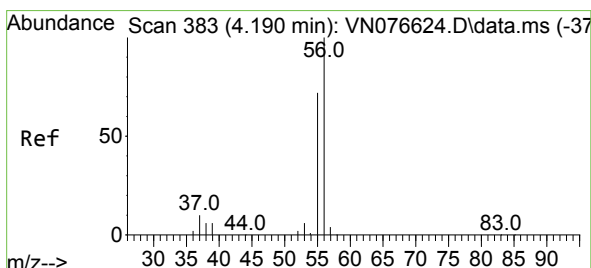
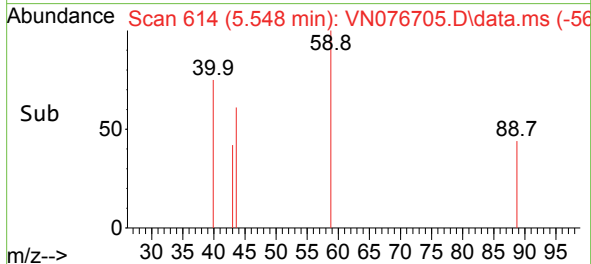
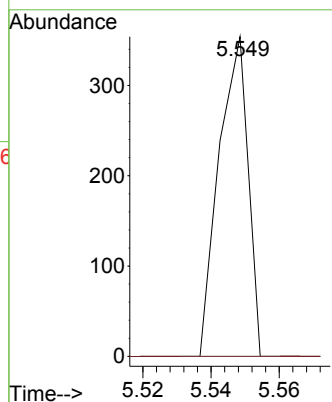
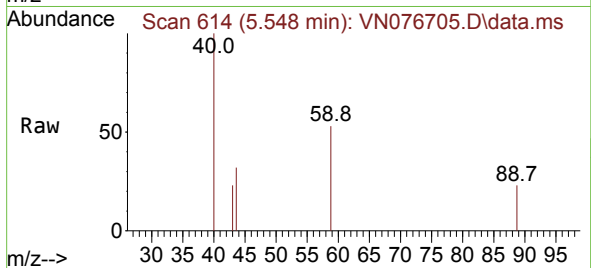




#11
Tert butyl alcohol
Concen: 0.395 ug/l
RT: 5.548 min Scan# 612
Delta R.T. 0.011 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

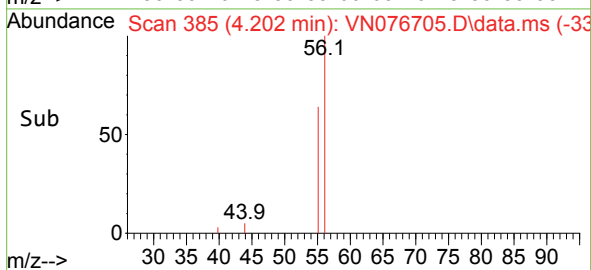
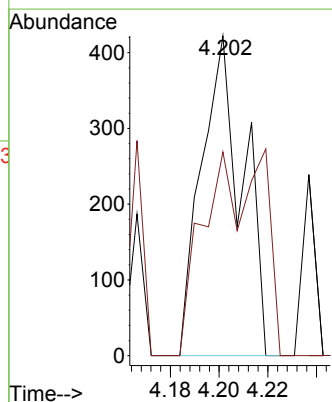
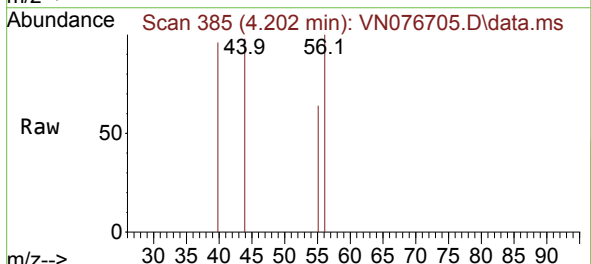
Instrument :
MSVOA_N
ClientSampleId :

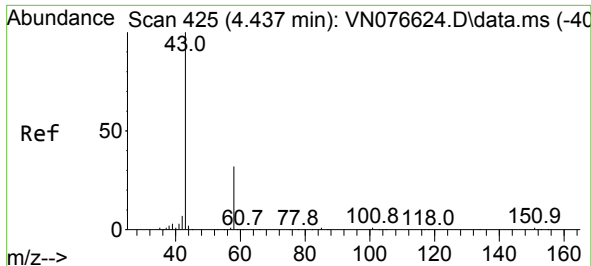
Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.625 ug/l
RT: 4.202 min Scan# 385
Delta R.T. 0.012 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Tgt Ion: 56 Resp: 496
Ion Ratio Lower Upper
56 100
55 0.0 56.3 84.5#

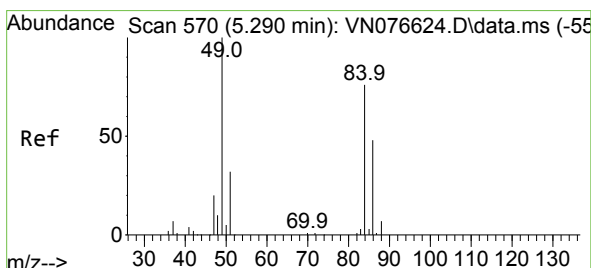
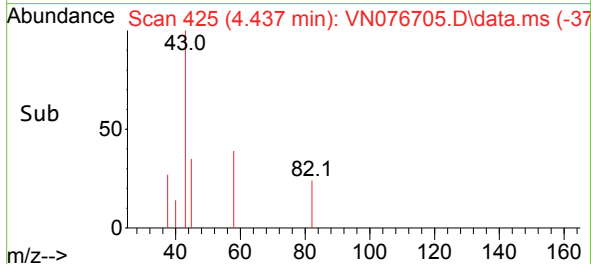
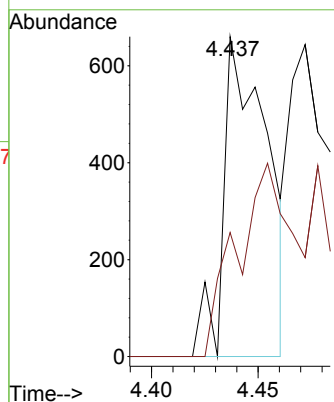
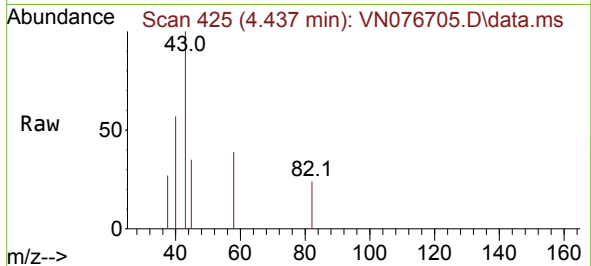




#16
Acetone
Concen: 0.526 ug/l
RT: 4.437 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

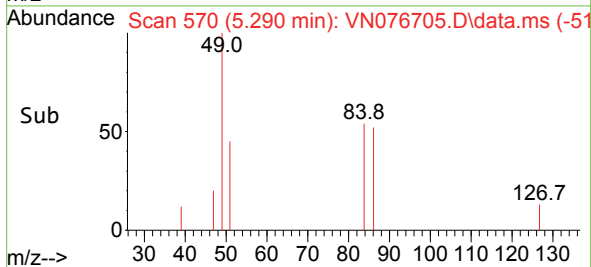
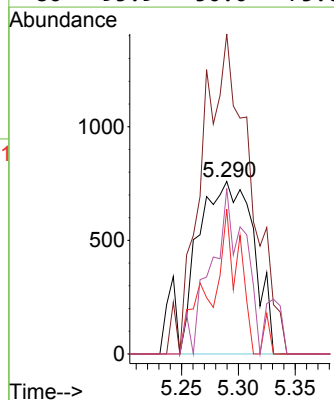
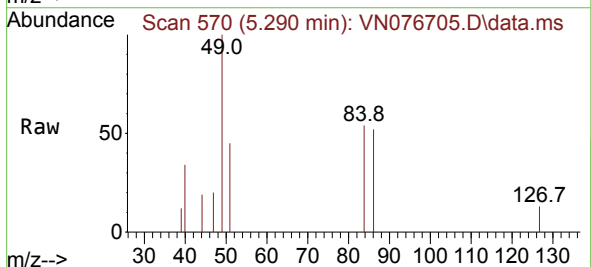
Instrument :
MSVOA_N
ClientSampleId :

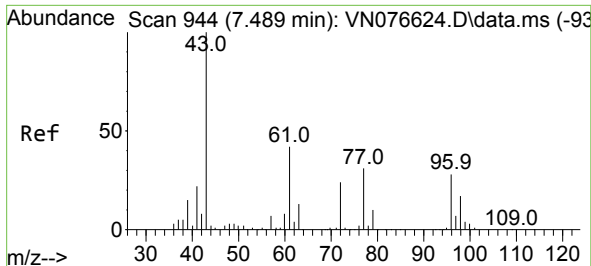
Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
58 76.4 25.9 38.9#



#20
Methylene Chloride
Concen: 0.675 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

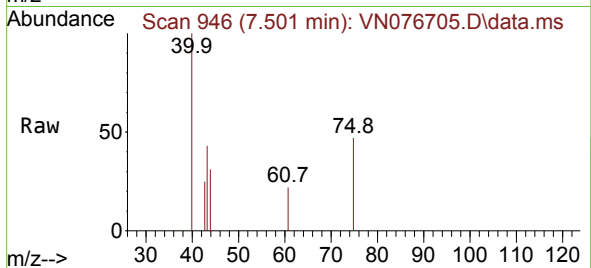
Tgt Ion: 84 Resp: 2531
Ion Ratio Lower Upper
84 100
49 185.5 104.9 157.3#
51 83.9 33.8 50.8#
86 95.9 50.0 75.0#



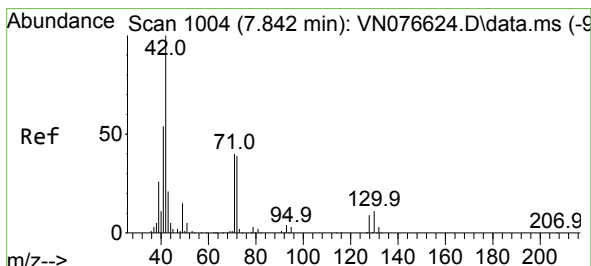
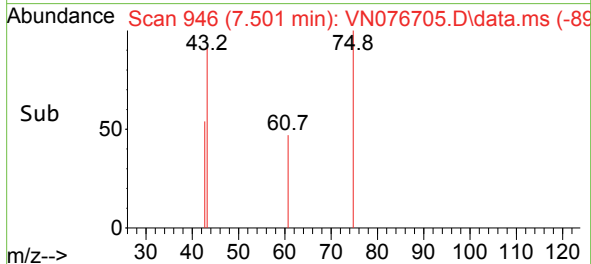
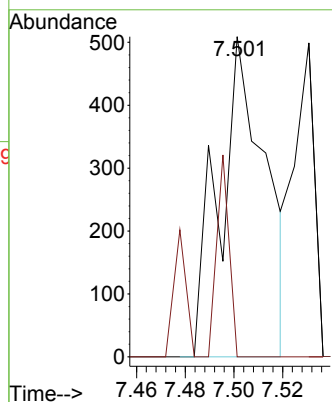


#25
2-Butanone
Concen: 0.253 ug/l
RT: 7.501 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Instrument :
MSVOA_N
ClientSampleId :

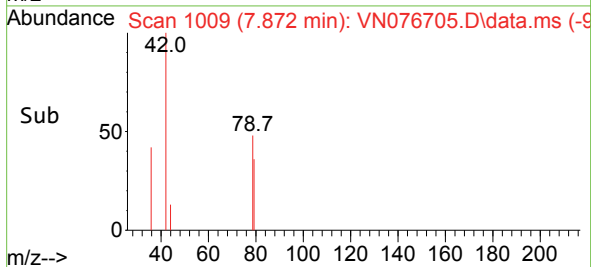
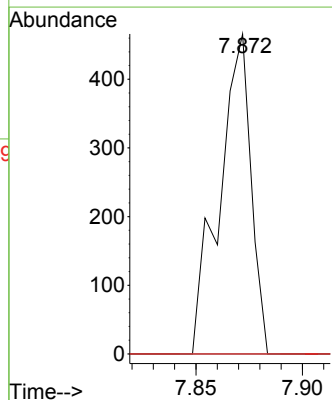
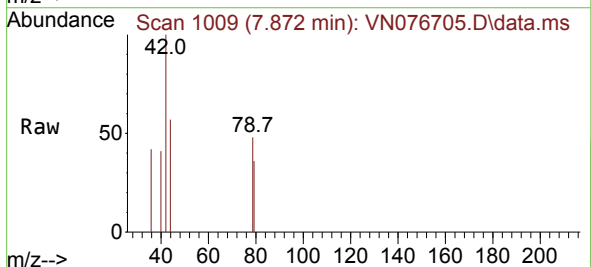


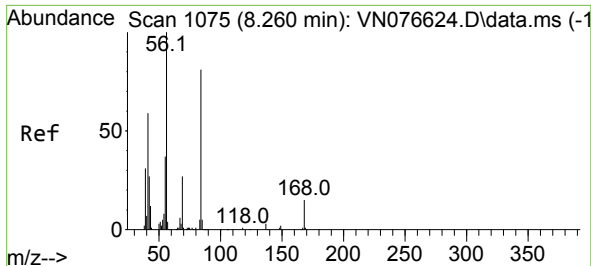
Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.280 ug/l
RT: 7.872 min Scan# 1009
Delta R.T. 0.030 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

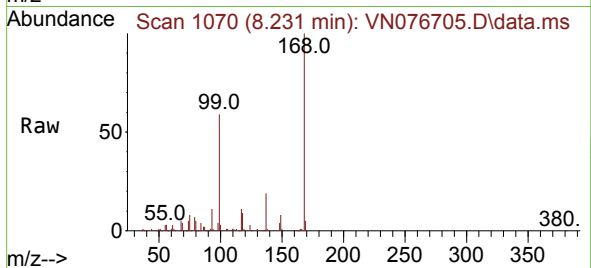
Tgt Ion: 42 Resp: 483
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 0.0 29.8 44.8#



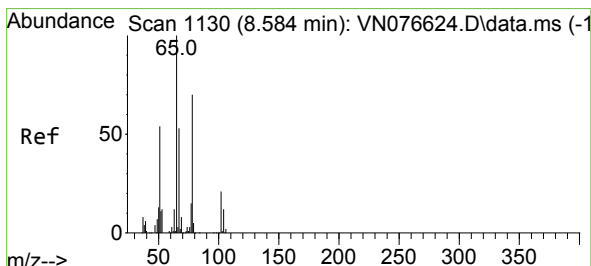
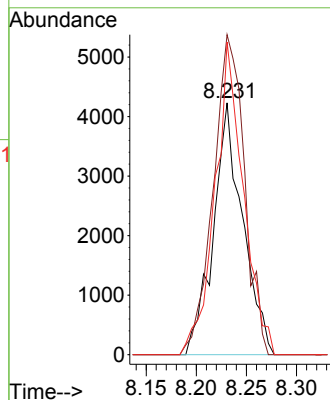
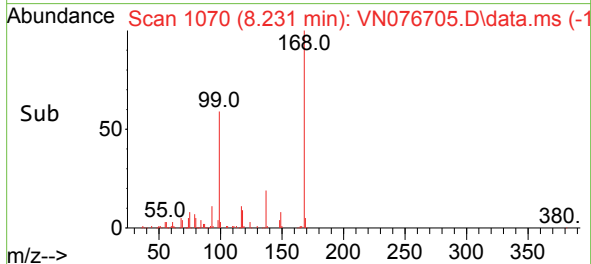


#31
Cyclohexane
Concen: 1.371 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Instrument :
MSVOA_N
ClientSampleId :

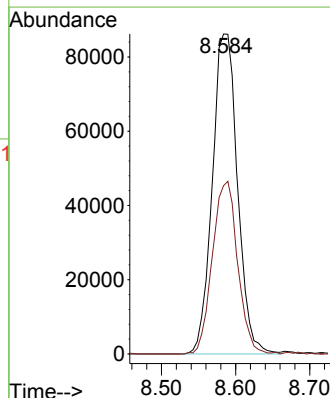
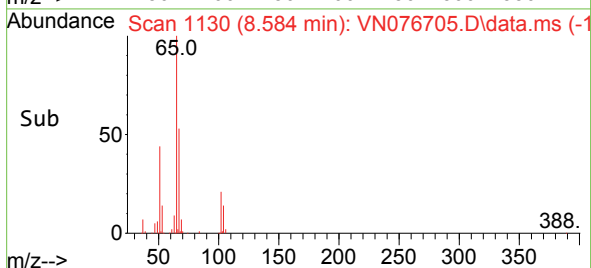
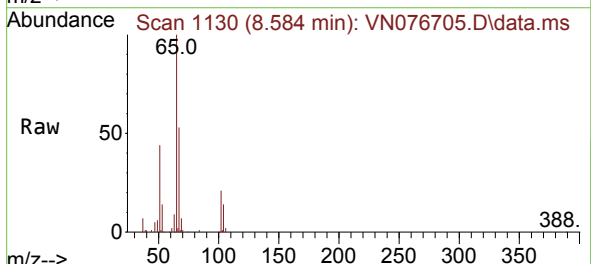


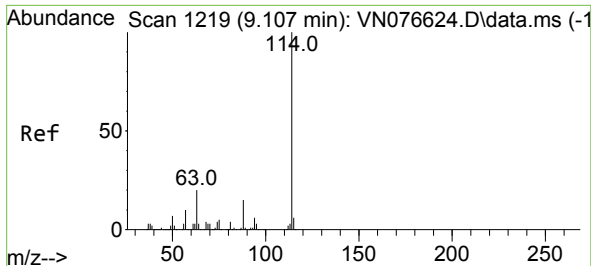
Tgt Ion: 56 Resp: 8617
Ion Ratio Lower Upper
56 100
69 127.1 21.6 32.4#
84 124.2 65.1 97.7#



#33
1,2-Dichloroethane-d4
Concen: 50.778 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Tgt Ion: 65 Resp: 203506
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.6

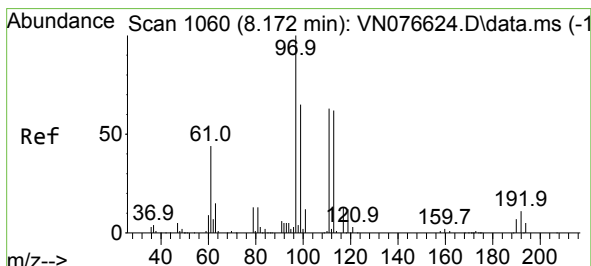
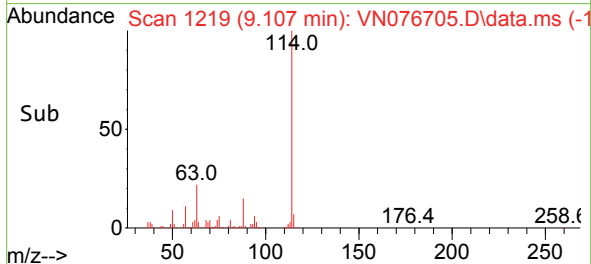
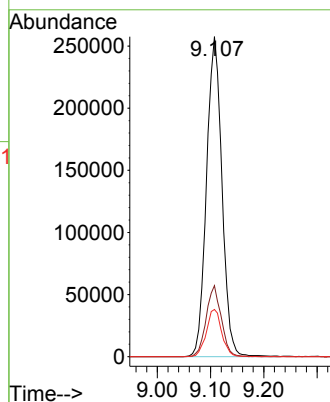
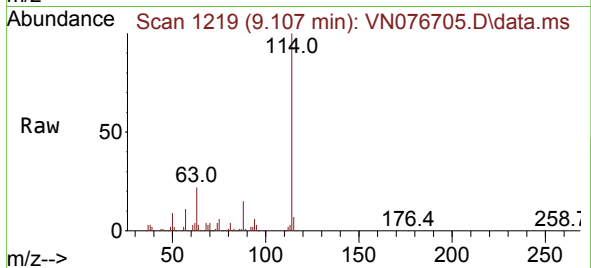




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

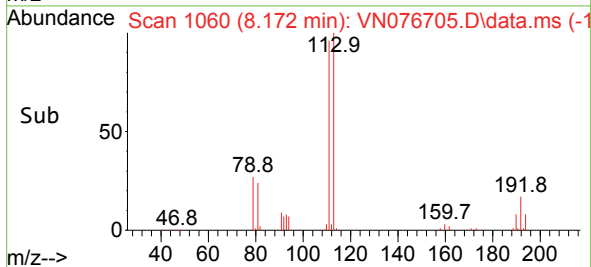
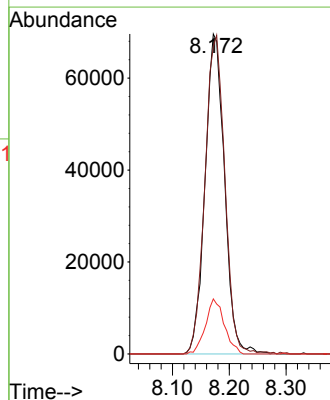
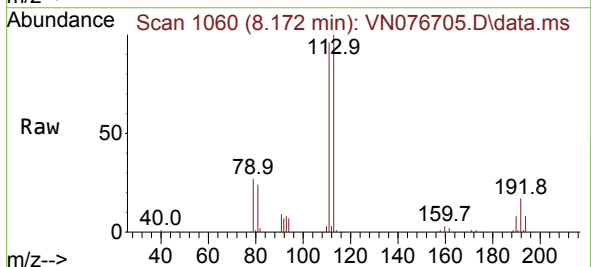
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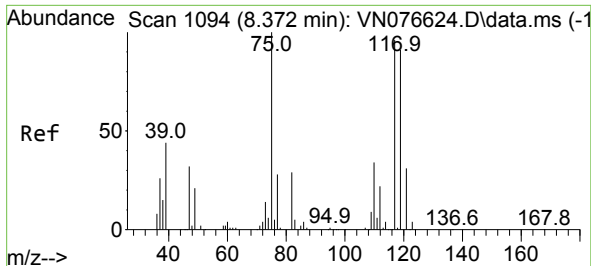
Tgt Ion:114 Resp: 518105
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.0
88 14.8 0.0 29.6



#35
Dibromofluoromethane
Concen: 48.717 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

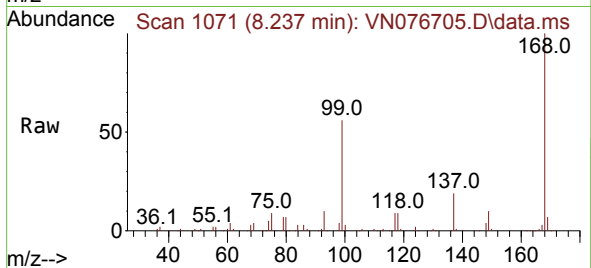
Tgt Ion:113 Resp: 165294
Ion Ratio Lower Upper
113 100
111 101.4 83.1 124.7
192 16.7 15.6 23.4



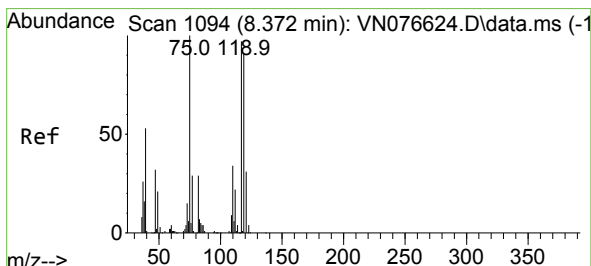
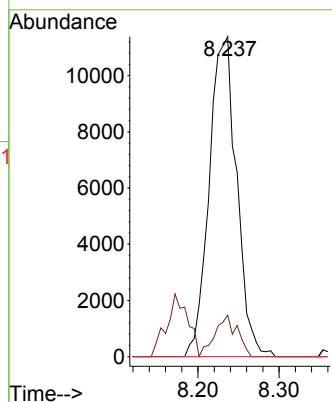
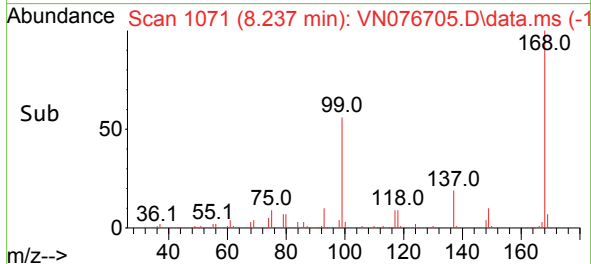


#36
1,1-Dichloropropene
Concen: 5.457 ug/l
RT: 8.237 min Scan# 1071
Delta R.T. -0.135 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

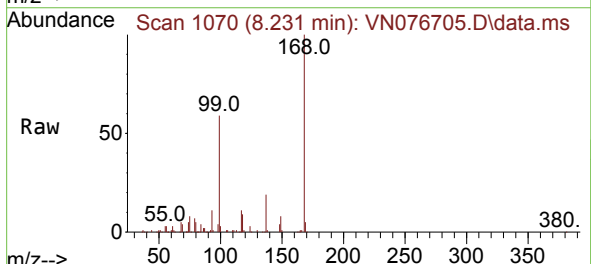
Instrument :
MSVOA_N
ClientSampleId :



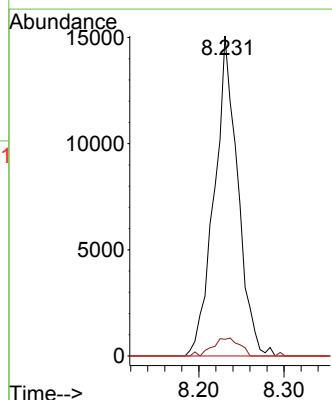
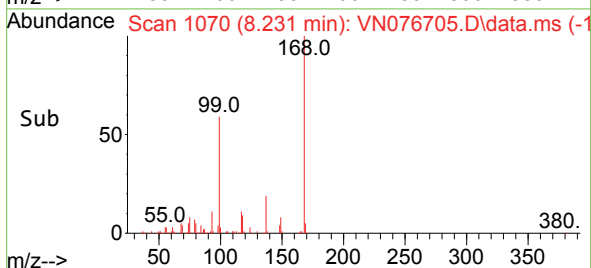
Tgt Ion: 75 Resp: 26753
Ion Ratio Lower Upper
75 100
110 10.0 17.5 52.5#
77 0.0 24.5 36.7#

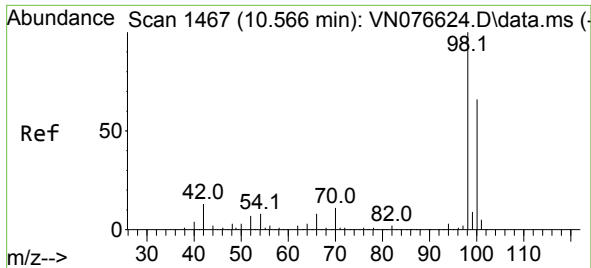


#38
Carbon Tetrachloride
Concen: 5.831 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39



Tgt Ion: 117 Resp: 28836
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.0#
121 0.0 26.0 39.0#

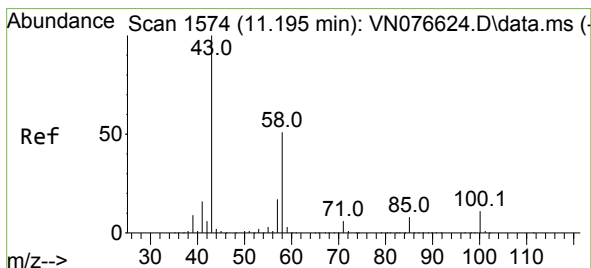
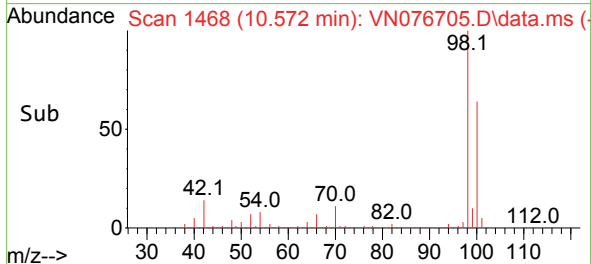
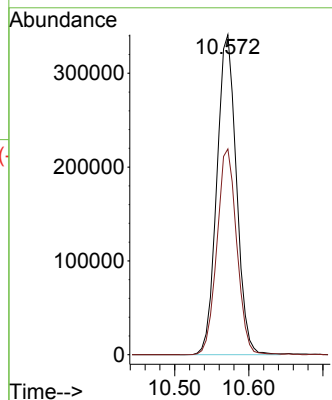
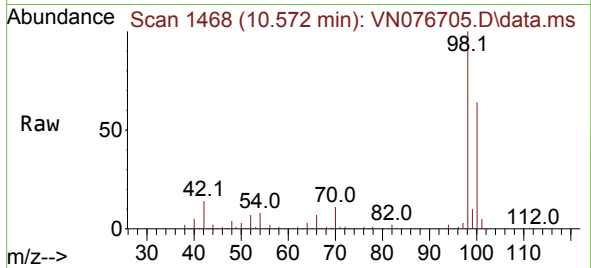




#50
Toluene-d8
Concen: 49.323 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

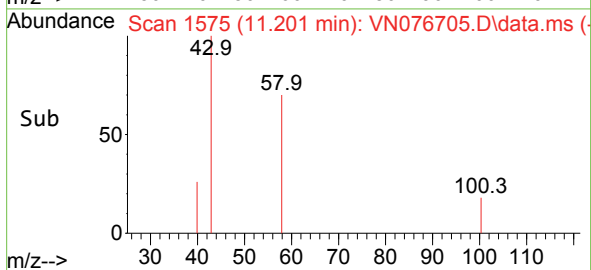
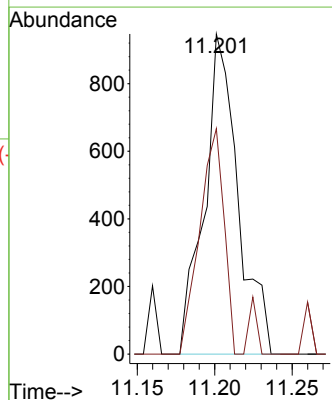
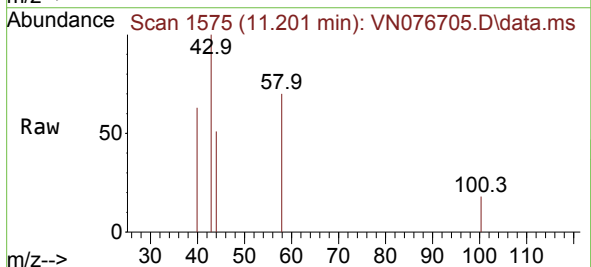
Instrument :
MSVOA_N
ClientSampleId :

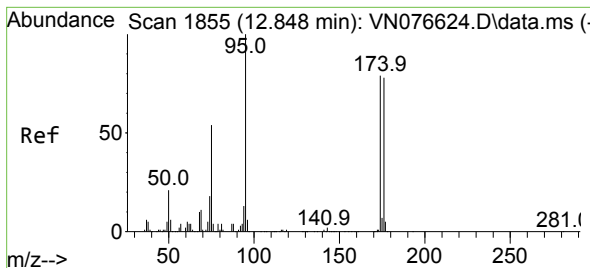
Tgt Ion: 98 Resp: 624977
Ion Ratio Lower Upper
98 100
100 65.2 52.9 79.3



#59
2-Hexanone
Concen: 0.372 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.006 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Tgt Ion: 43 Resp: 1431
Ion Ratio Lower Upper
43 100
58 51.0 25.4 76.0

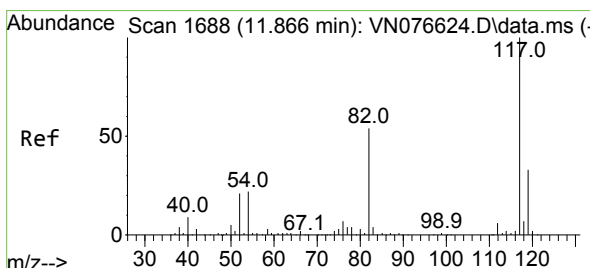
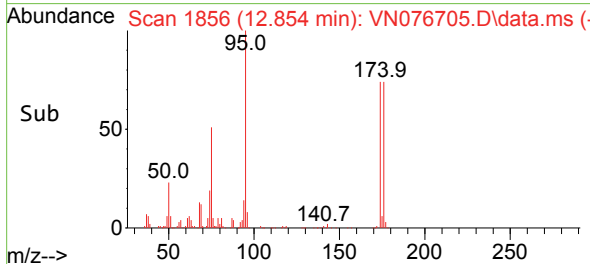
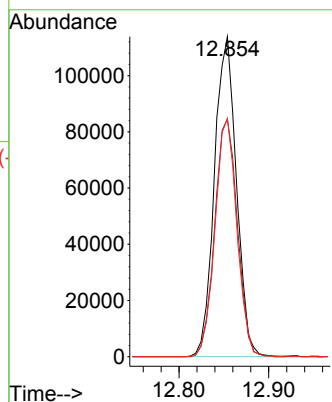
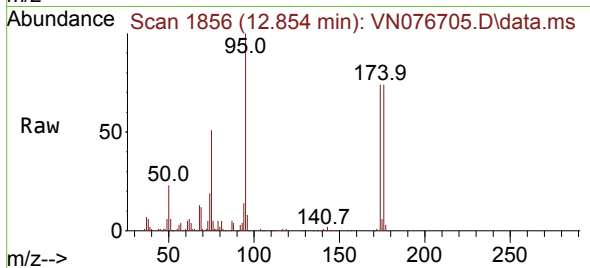




#62
4-Bromofluorobenzene
Concen: 46.105 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

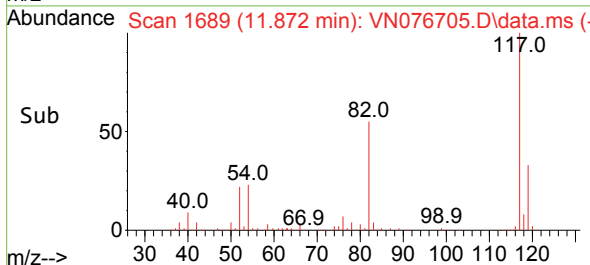
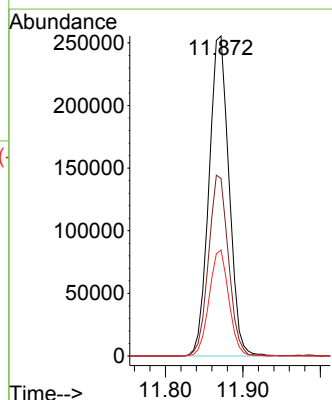
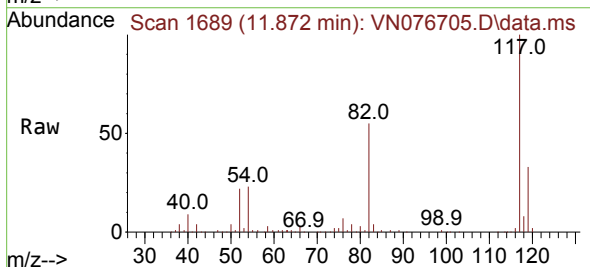
Instrument :
MSVOA_N
ClientSampleId :

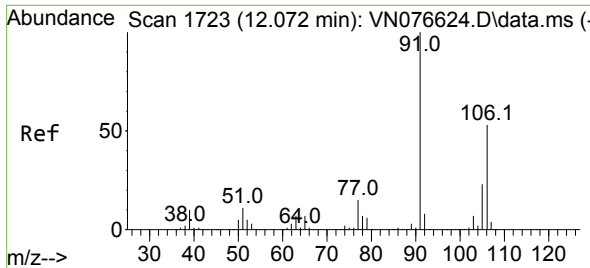
Tgt Ion: 95 Resp: 193490
Ion Ratio Lower Upper
95 100
174 76.8 0.0 169.2
176 73.6 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Tgt Ion: 117 Resp: 459046
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.2
119 33.1 26.1 39.1

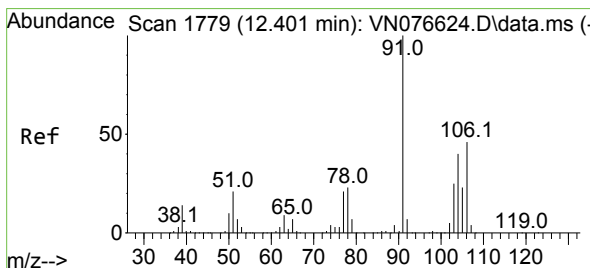
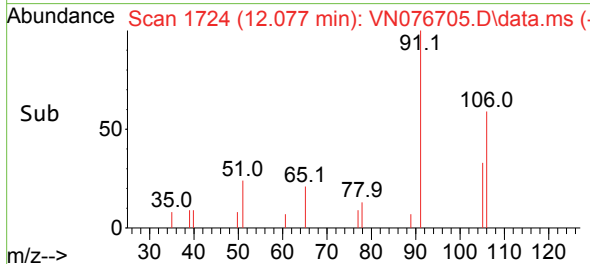
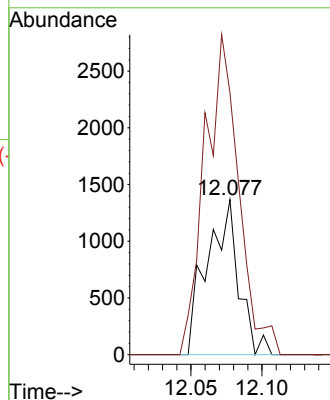
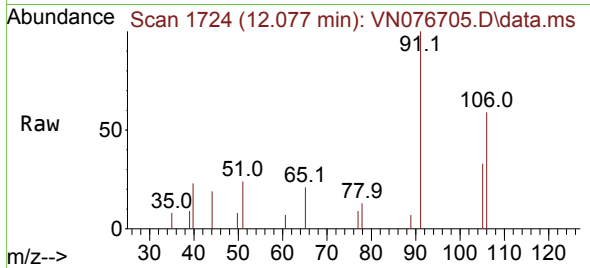




#68
m/p-Xylenes
Concen: 0.330 ug/l
RT: 12.077 min Scan# 1724
Delta R.T. 0.005 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

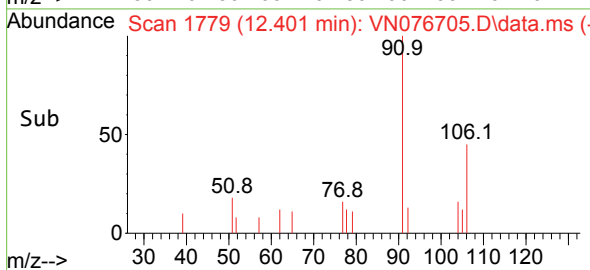
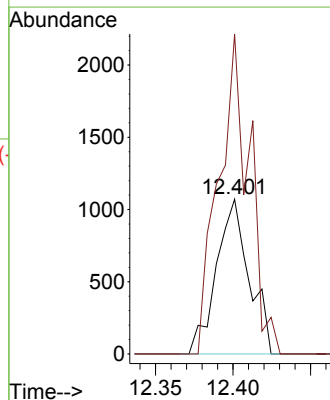
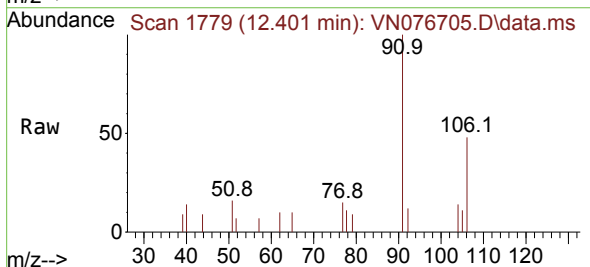
Instrument :
MSVOA_N
ClientSampleId :

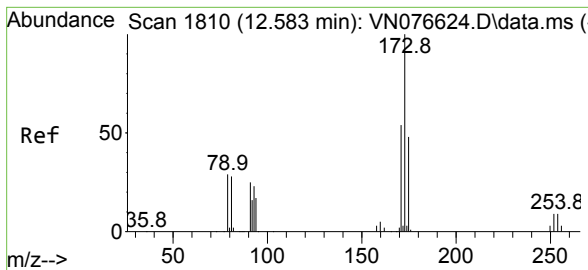
Tgt Ion:106 Resp: 2110
Ion Ratio Lower Upper
106 100
91 221.3 154.7 232.1



#69
o-Xylene
Concen: 0.252 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Tgt Ion:106 Resp: 1572
Ion Ratio Lower Upper
106 100
91 194.5 105.8 317.4





#71

Bromoform

Concen: 0.422 ug/l

RT: 12.842 min Scan# 1810

Delta R.T. 0.259 min

Lab File: VN076705.D

Acq: 16 Feb 2023 12:39

Instrument :

MSVOA_N

ClientSampleId :

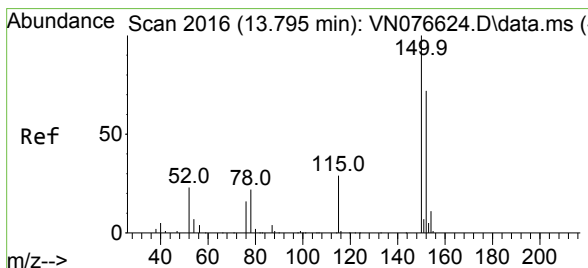
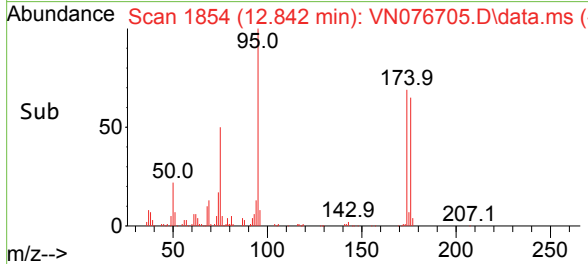
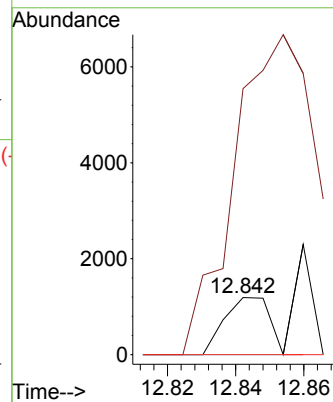
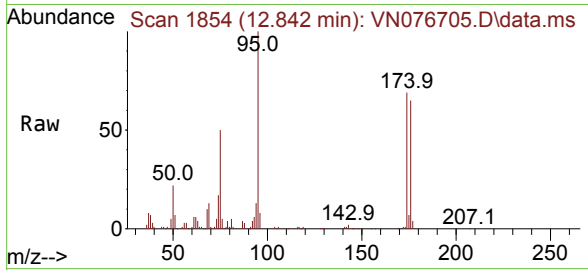
Tgt Ion:173 Resp: 1093

Ion Ratio Lower Upper

173 100

175 886.7 24.9 74.7#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN076705.D

Acq: 16 Feb 2023 12:39

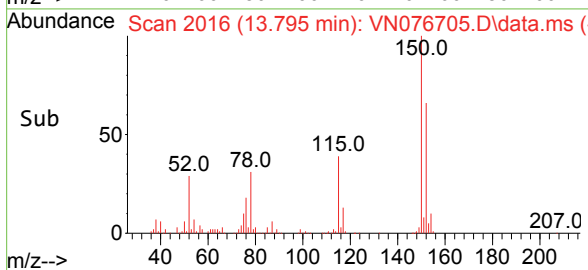
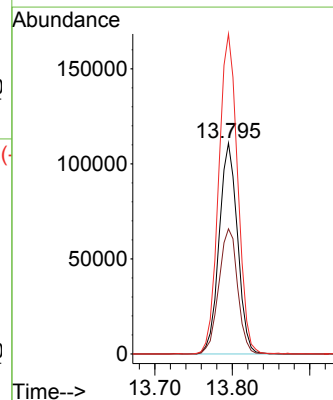
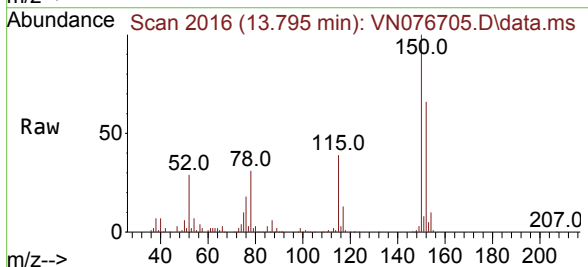
Tgt Ion:152 Resp: 182787

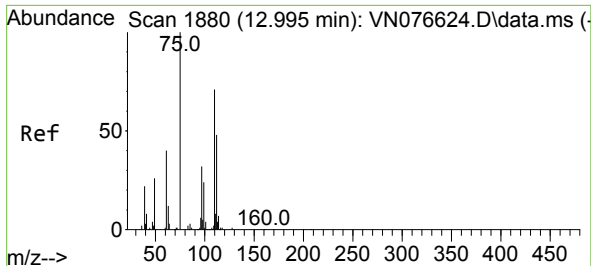
Ion Ratio Lower Upper

152 100

115 60.8 29.3 87.9

150 156.7 0.0 349.8

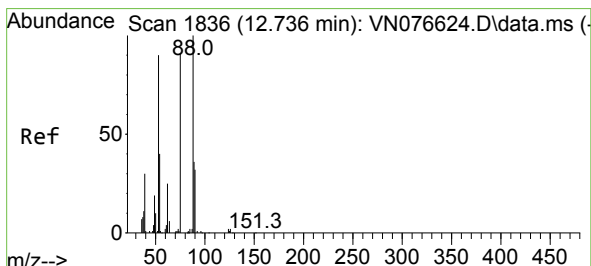
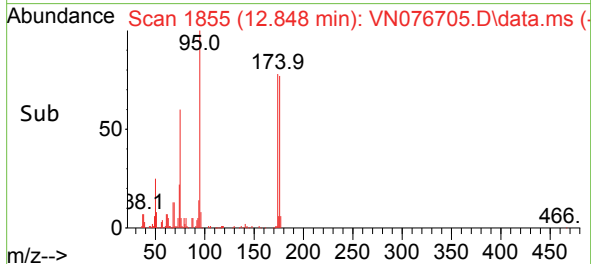
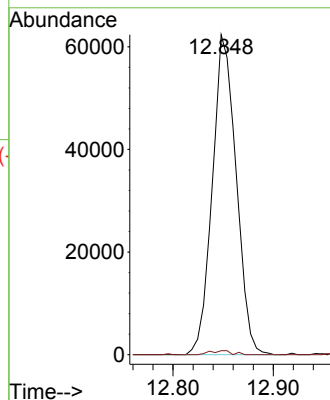
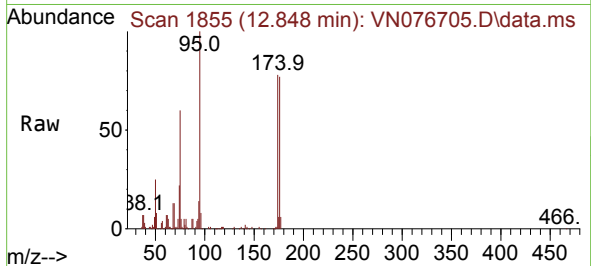




#76
1,2,3-Trichloropropane
Concen: 27.846 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

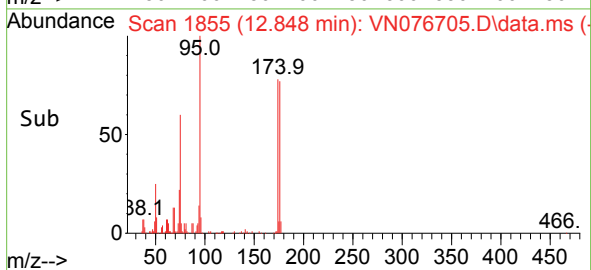
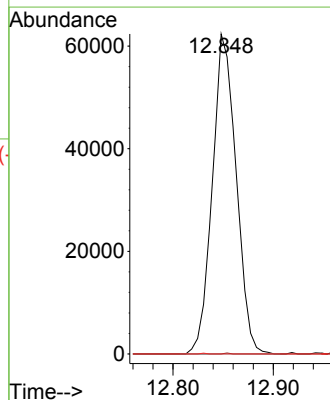
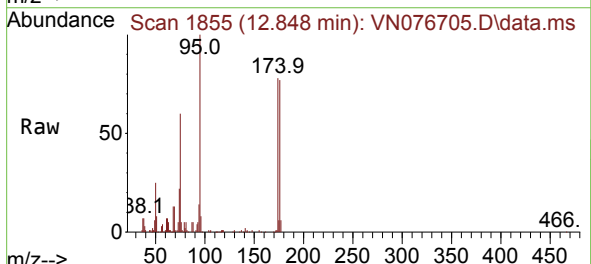
Instrument :
MSVOA_N
ClientSampleId :

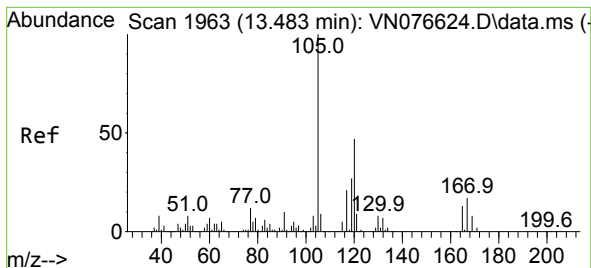
Tgt Ion: 75 Resp: 102904
Ion Ratio Lower Upper
75 100
77 1.1 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.104 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. 0.112 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Tgt Ion: 75 Resp: 102904
Ion Ratio Lower Upper
75 100
53 0.1 92.1 138.1#
89 0.0 37.5 56.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.581 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VN076705.D

Acq: 16 Feb 2023 12:39

Instrument :

MSVOA_N

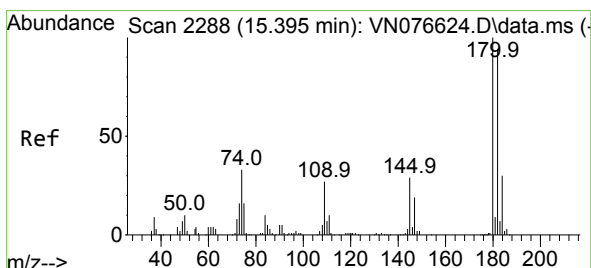
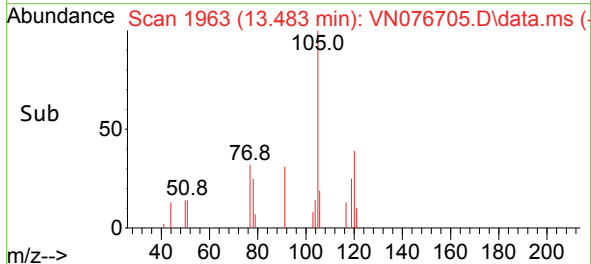
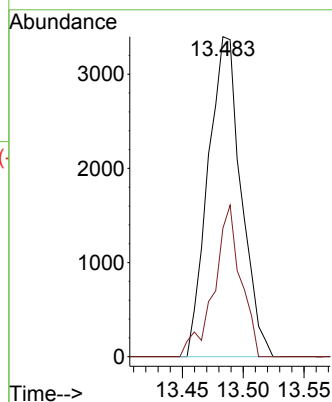
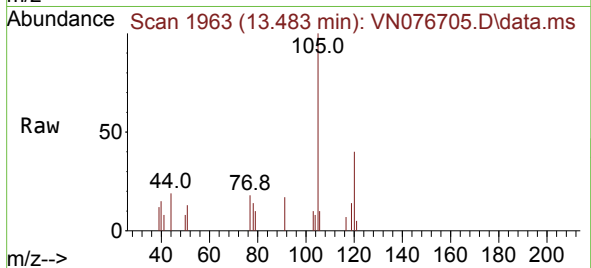
ClientSampleId :

Tgt Ion:105 Resp: 6416

Ion Ratio Lower Upper

105 100

120 38.1 23.0 69.0



#93

1,2,4-Trichlorobenzene

Concen: 0.445 ug/l

RT: 15.389 min Scan# 2287

Delta R.T. -0.006 min

Lab File: VN076705.D

Acq: 16 Feb 2023 12:39

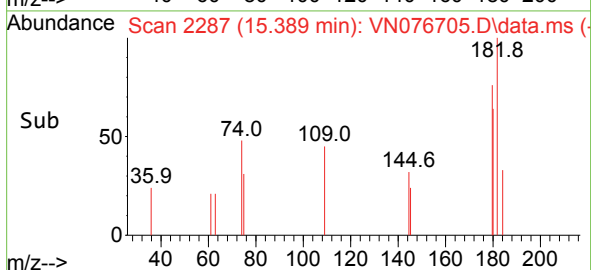
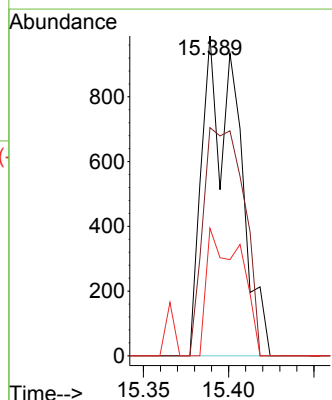
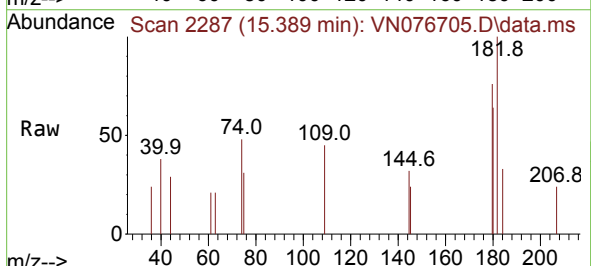
Tgt Ion:180 Resp: 1439

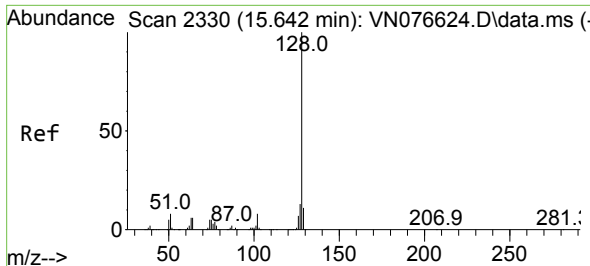
Ion Ratio Lower Upper

180 100

182 81.3 48.0 144.0

145 37.5 15.2 45.6

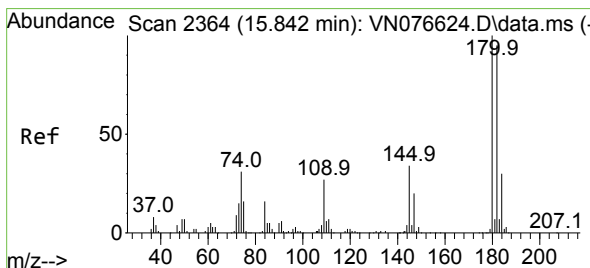
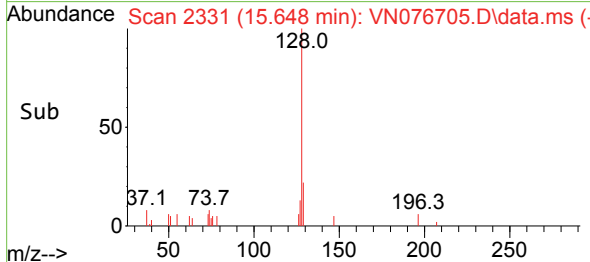
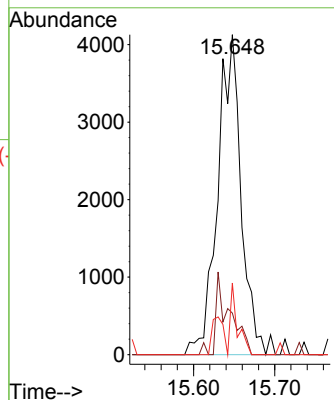
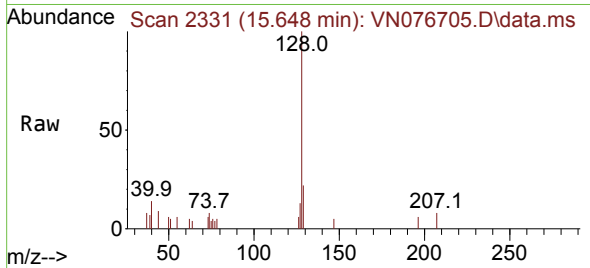




#95
Naphthalene
Concen: 0.852 ug/l
RT: 15.648 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 8353
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 6.9 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.260 ug/l
RT: 15.836 min Scan# 2363
Delta R.T. -0.006 min
Lab File: VN076705.D
Acq: 16 Feb 2023 12:39

Tgt Ion:180 Resp: 814
Ion Ratio Lower Upper
180 100
182 209.3 46.7 140.1#
145 56.4 16.0 47.9#

