

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076719.D
 Acq On : 16 Feb 2023 18:16
 Operator : JC\MD
 Sample : 01539-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:16:45 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)

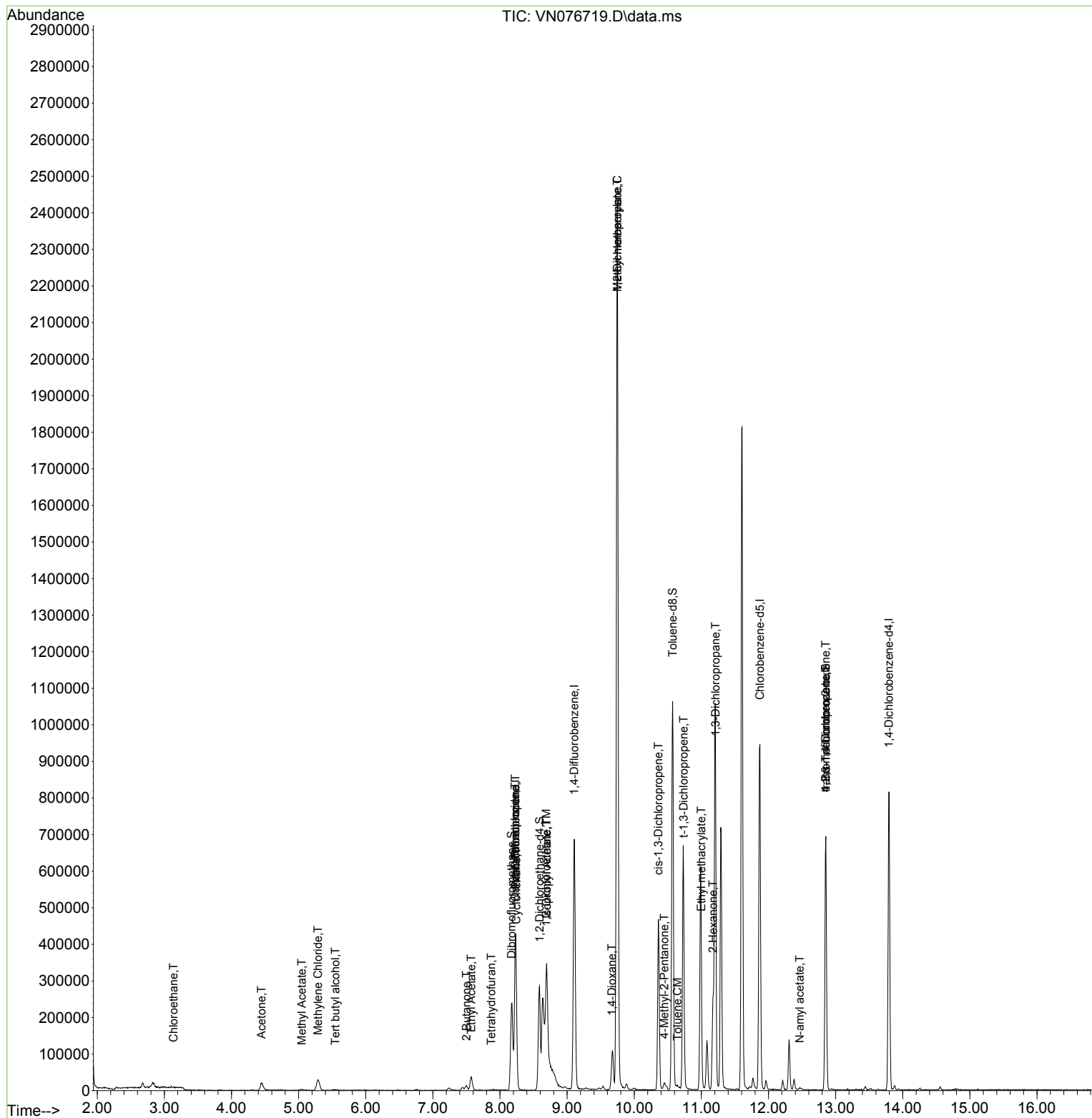
Internal Standards						
1) Pentafluorobenzene	8.231	168	303488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	570029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	545761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	207813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	216848	51.745	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.480%			
35) Dibromofluoromethane	8.172	113	165589	44.358	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.720%			
50) Toluene-d8	10.572	98	720447	51.678	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.854	95	221215	47.909	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.820%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.137	64	1063	0.406	ug/l	96
11) Tert butyl alcohol	5.548	59	2982	5.391	ug/l #	76
16) Acetone	4.449	43	39188	20.934	ug/l	97
18) Methyl Acetate	5.048	43	5507	0.901	ug/l #	66
20) Methylene Chloride	5.290	84	20627	5.258	ug/l	89
25) 2-Butanone	7.501	43	18431	6.675	ug/l	96
29) Tetrahydrofuran	7.872	42	1428	0.792	ug/l #	50
31) Cyclohexane	8.242	56	8193	1.246	ug/l #	41
36) 1,1-Dichloropropene	8.231	75	27231	5.049	ug/l #	49
37) Ethyl Acetate	7.572	43	56020	9.872	ug/l	99
38) Carbon Tetrachloride	8.225	117	32346	5.945	ug/l #	16
42) 1,2-Dichloroethane	8.689	62	2473	0.428	ug/l #	74
43) Isopropyl Acetate	8.695	43	498154	53.947	ug/l #	75
45) 1,2-Dichloropropane	9.748	63	2539	0.579	ug/l #	44
48) Methyl methacrylate	9.748	41	225933	51.561	ug/l #	43
49) 1,4-Dioxane	9.666	88	65	0.858	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	20235	3.444	ug/l #	78
52) Toluene	10.642	92	3694	0.369	ug/l	100
53) t-1,3-Dichloropropene	10.736	75	1508	0.278	ug/l	89
54) cis-1,3-Dichloropropene	10.360	75	76883	12.288	ug/l #	66
56) Ethyl methacrylate	11.001	69	2861	0.500	ug/l #	1
57) 1,3-Dichloropropane	11.213	76	10144	1.452	ug/l #	43
59) 2-Hexanone	11.172	43	208151	49.136	ug/l #	27
74) N-amyl acetate	12.466	43	4215	0.614	ug/l #	50
76) 1,2,3-Trichloropropane	12.854	75	121220	28.852	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	121220	84.034	ug/l #	4

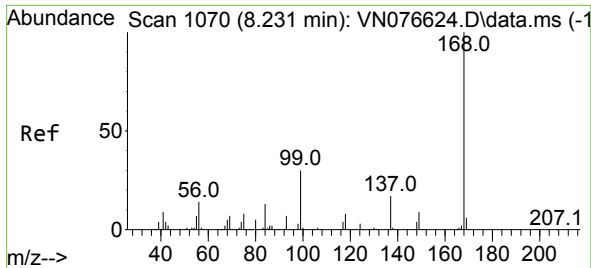
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
Data File : VN076719.D
Acq On : 16 Feb 2023 18:16
Operator : JC\MD
Sample : 01539-14
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 17 00:16:45 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

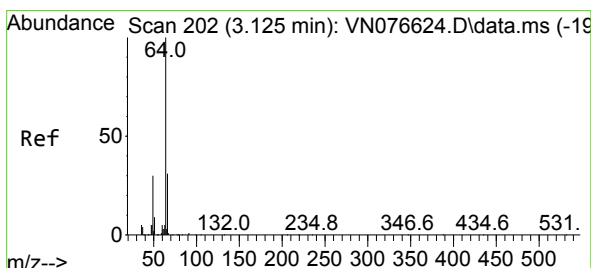
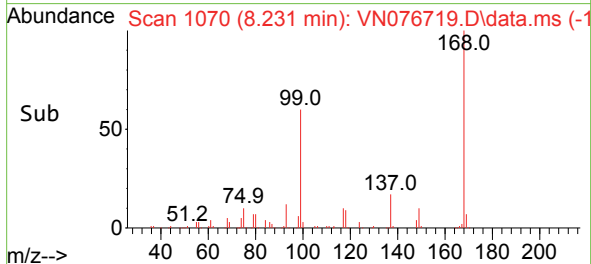
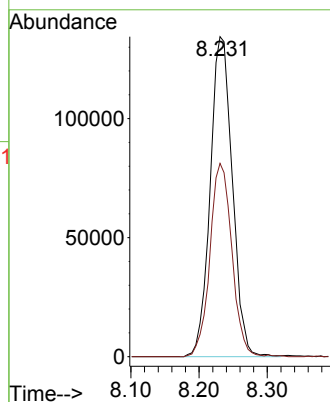
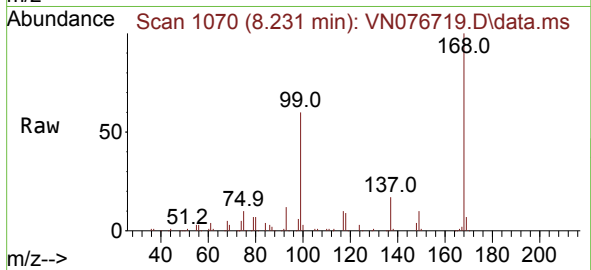




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

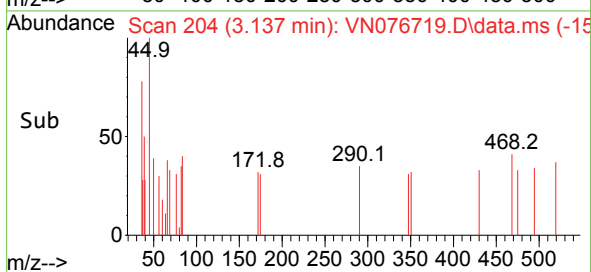
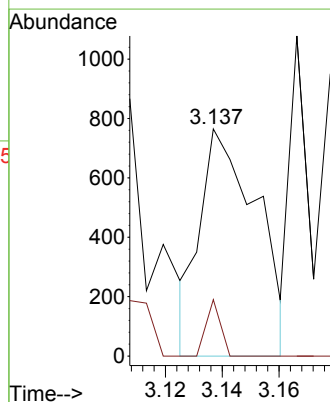
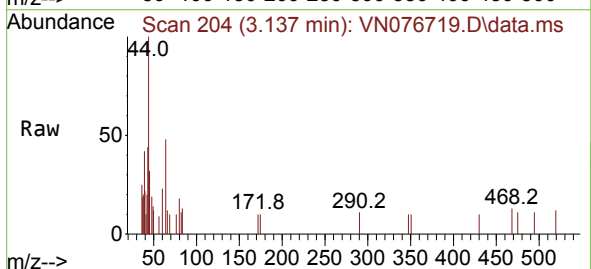
Instrument :
MSVOA_N
ClientSampleId :

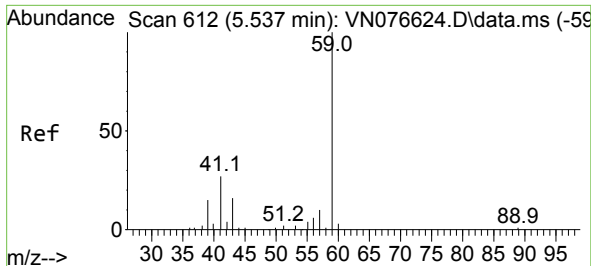
Tgt Ion:168 Resp: 303488
Ion Ratio Lower Upper
168 100
99 60.4 44.8 67.2



#6
Chloroethane
Concen: 0.406 ug/l
RT: 3.137 min Scan# 204
Delta R.T. 0.012 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

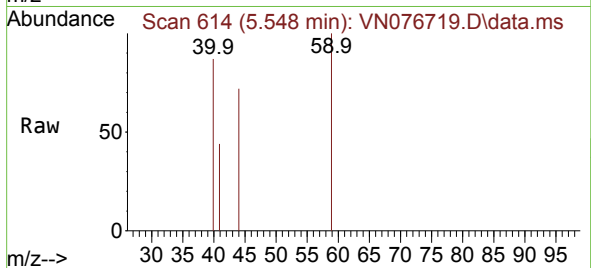
Tgt Ion: 64 Resp: 1063
Ion Ratio Lower Upper
64 100
66 33.0 24.6 37.0



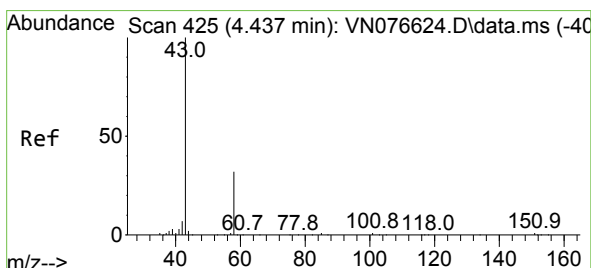
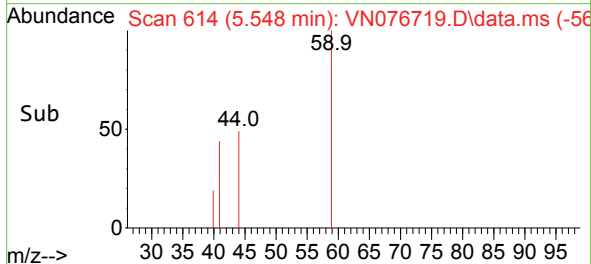
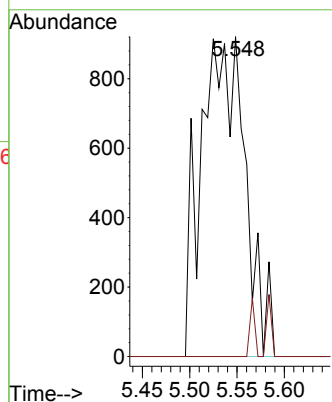


#11
Tert butyl alcohol
Concen: 5.391 ug/l
RT: 5.548 min Scan# 612
Delta R.T. 0.011 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Instrument :
MSVOA_N
ClientSampleId :

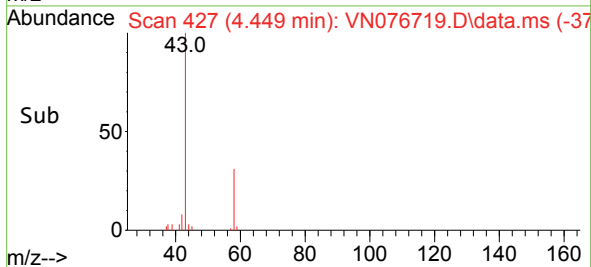
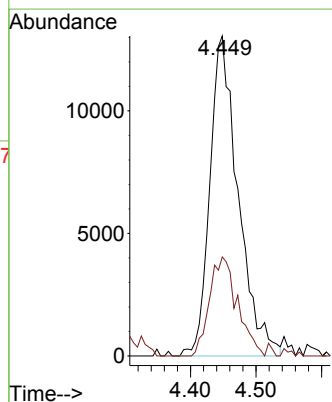
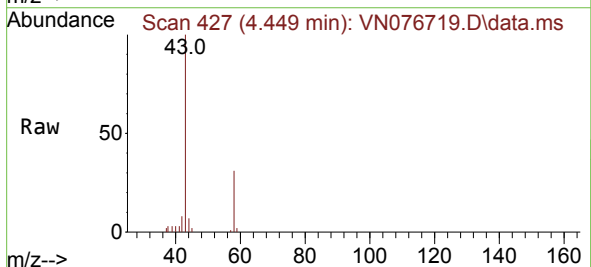


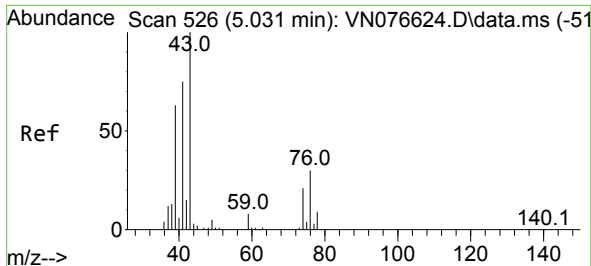
Tgt Ion: 59 Resp: 2982
Ion Ratio Lower Upper
59 100
57 2.0 8.7 13.1#



#16
Acetone
Concen: 20.934 ug/l
RT: 4.449 min Scan# 427
Delta R.T. 0.012 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Tgt Ion: 43 Resp: 39188
Ion Ratio Lower Upper
43 100
58 31.0 25.9 38.9

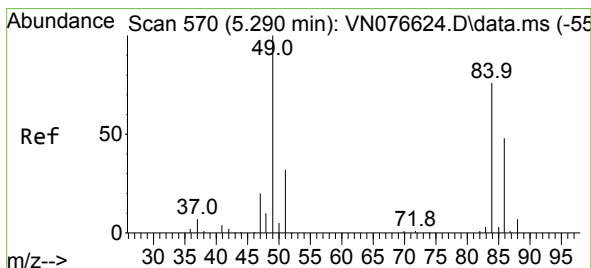
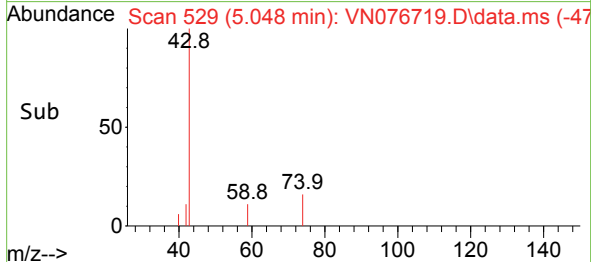
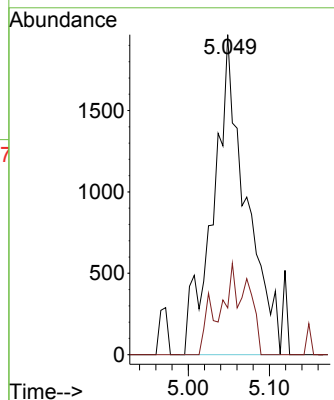
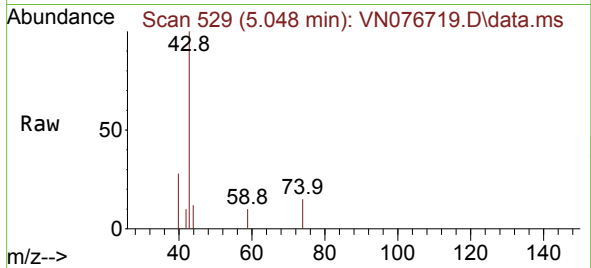




#18
Methyl Acetate
Concen: 0.901 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

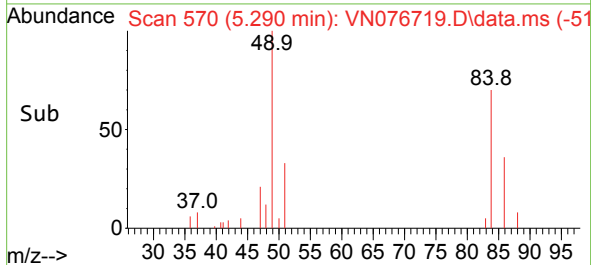
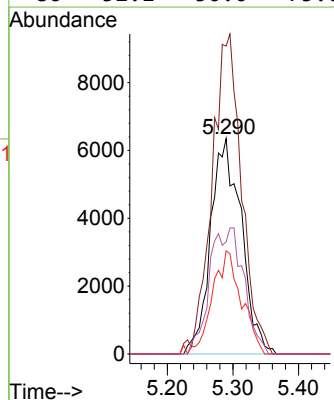
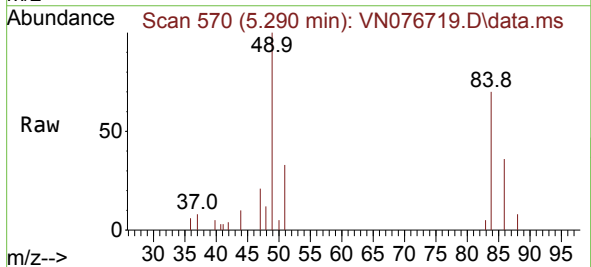
Instrument :
MSVOA_N
ClientSampleId :

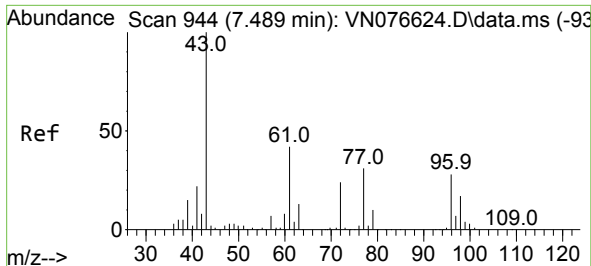
Tgt Ion: 43 Resp: 5507
Ion Ratio Lower Upper
43 100
74 5.6 17.7 26.5#



#20
Methylene Chloride
Concen: 5.258 ug/l
RT: 5.290 min Scan# 570
Delta R.T. -0.000 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Tgt Ion: 84 Resp: 20627
Ion Ratio Lower Upper
84 100
49 142.9 104.9 157.3
51 47.8 33.8 50.8
86 52.1 50.0 75.0





#25

2-Butanone

Concen: 6.675 ug/l

RT: 7.501 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

Instrument :

MSVOA_N

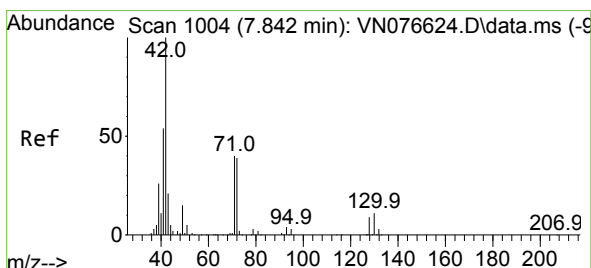
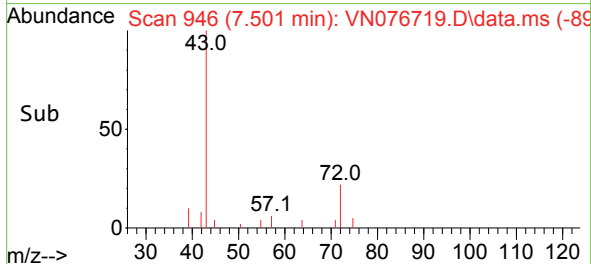
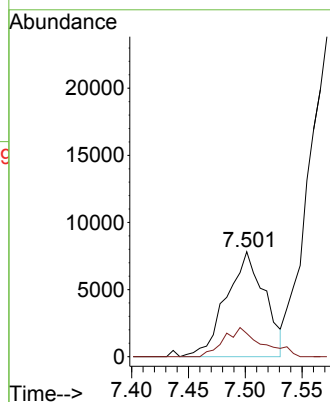
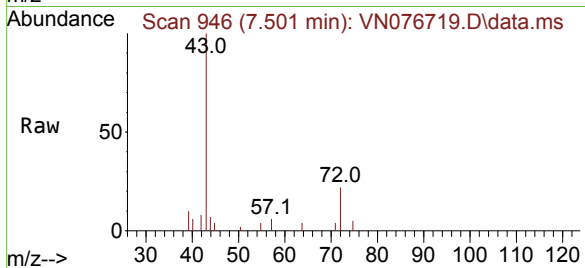
ClientSampleId :

Tgt Ion: 43 Resp: 18431

Ion Ratio Lower Upper

43 100

72 22.1 19.4 29.2



#29

Tetrahydrofuran

Concen: 0.792 ug/l

RT: 7.872 min Scan# 1009

Delta R.T. 0.030 min

Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

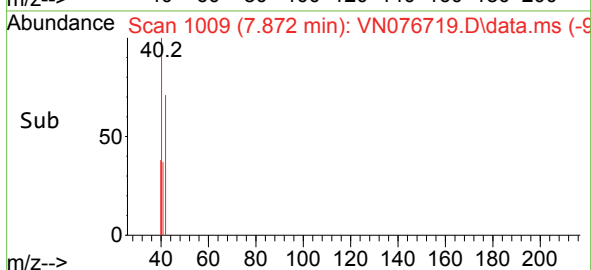
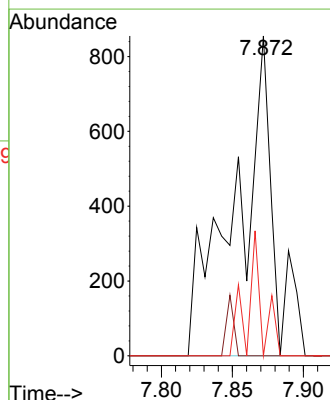
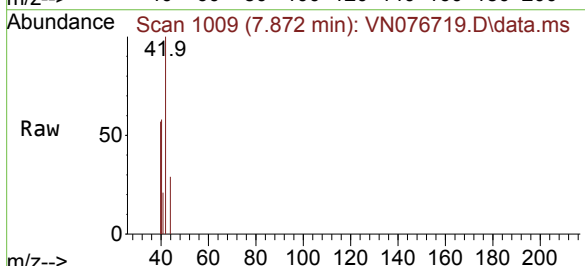
Tgt Ion: 42 Resp: 1428

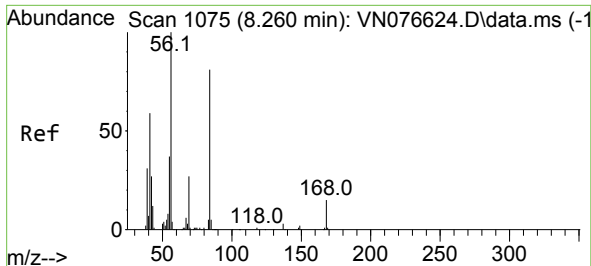
Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

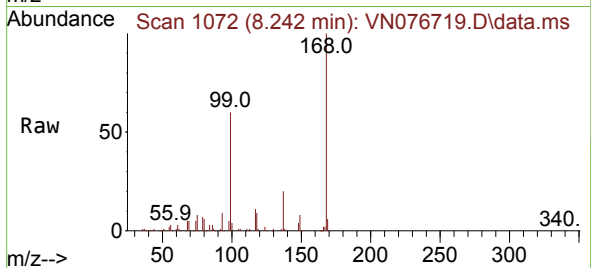
71 16.9 29.8 44.8#



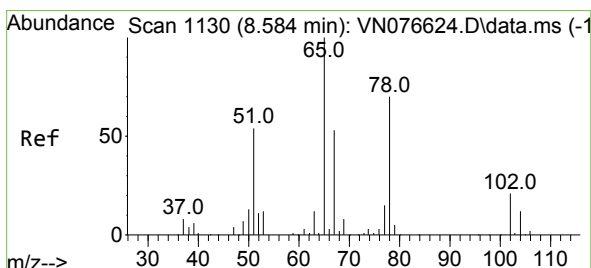
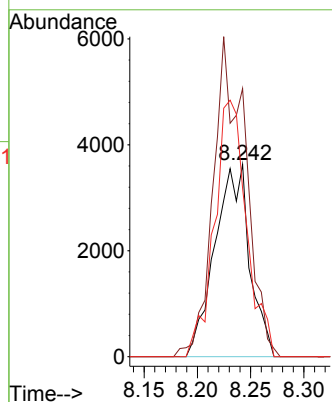
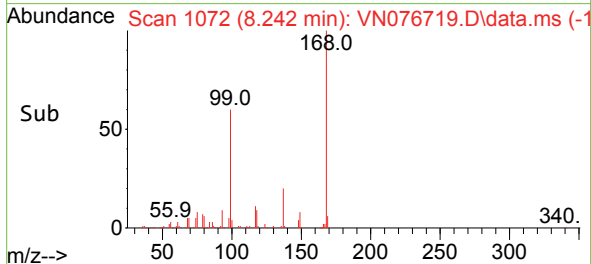


#31
Cyclohexane
Concen: 1.246 ug/l
RT: 8.242 min Scan# 1072
Delta R.T. -0.018 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Instrument :
MSVOA_N
ClientSampleId :

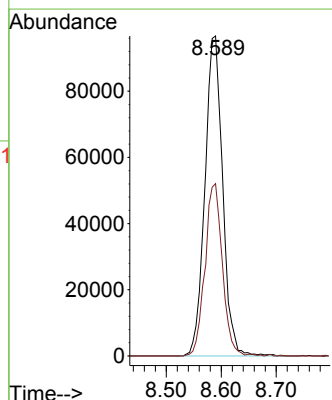
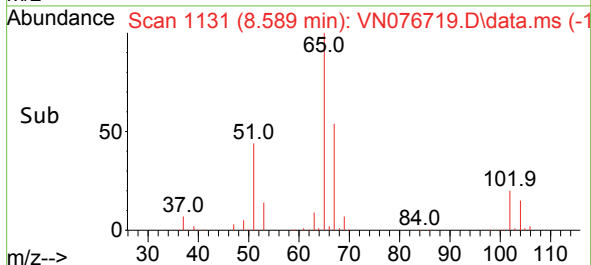
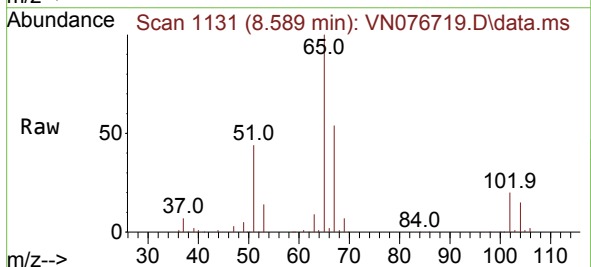


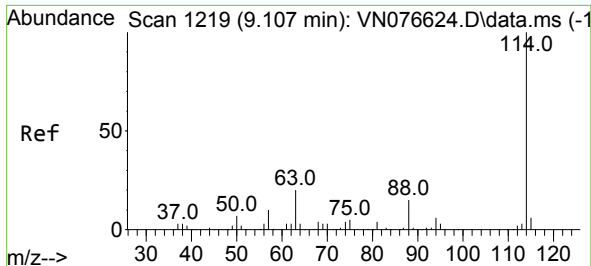
Tgt Ion: 56 Resp: 8193
Ion Ratio Lower Upper
56 100
69 139.5 21.6 32.4#
84 87.5 65.1 97.7



#33
1,2-Dichloroethane-d4
Concen: 51.745 ug/l
RT: 8.589 min Scan# 1131
Delta R.T. 0.005 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Tgt Ion: 65 Resp: 216848
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

Instrument :

MSVOA_N

ClientSampleId :

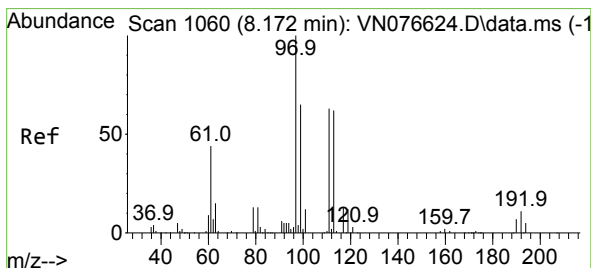
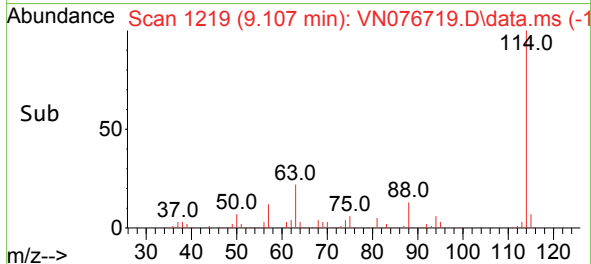
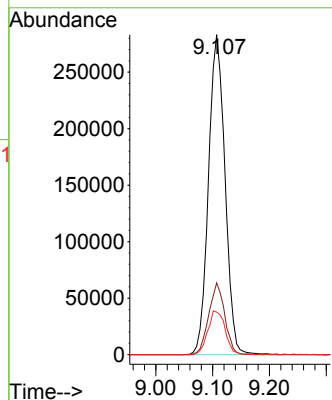
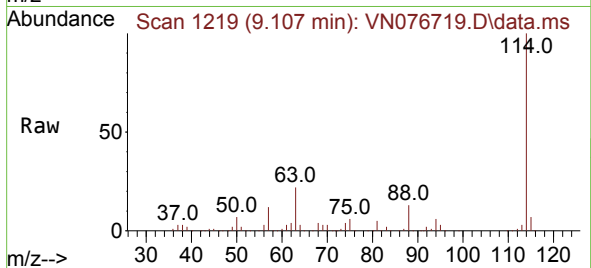
Tgt Ion:114 Resp: 570029

Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.0

88 13.3 0.0 29.6



#35

Dibromofluoromethane

Concen: 44.358 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

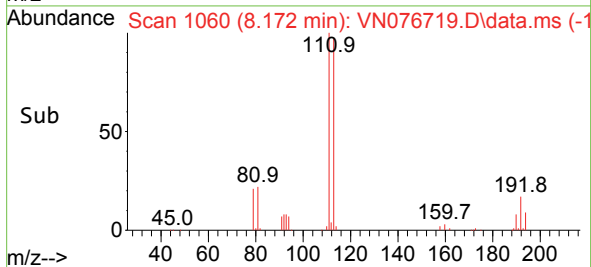
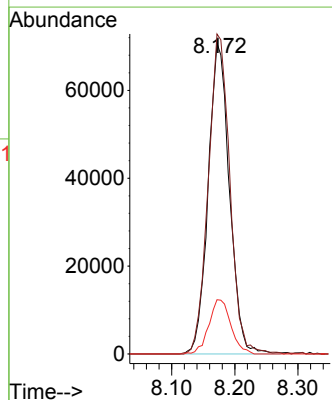
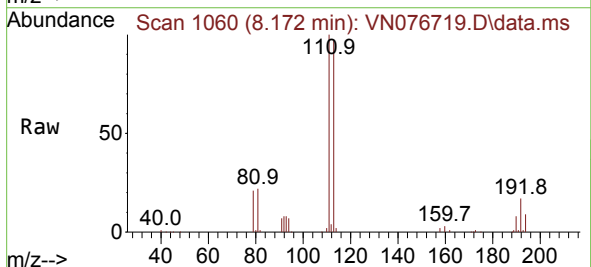
Tgt Ion:113 Resp: 165589

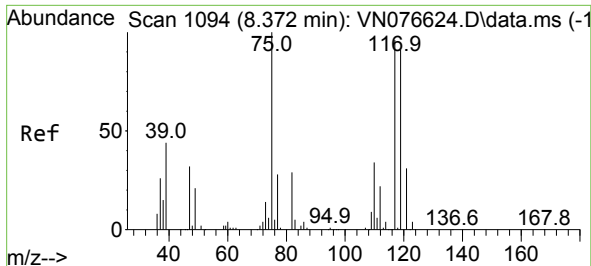
Ion Ratio Lower Upper

113 100

111 104.6 83.1 124.7

192 18.1 15.6 23.4





#36

1,1-Dichloropropene

Concen: 5.049 ug/l

RT: 8.231 min Scan# 1094

Delta R.T. -0.141 min

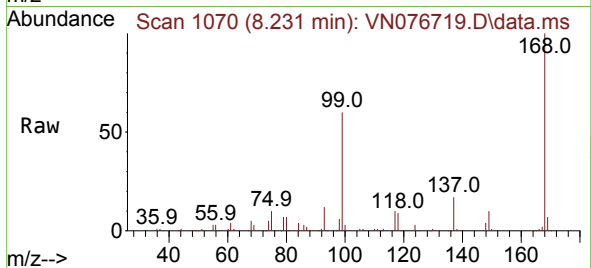
Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

Instrument :

MSVOA_N

ClientSampleId :



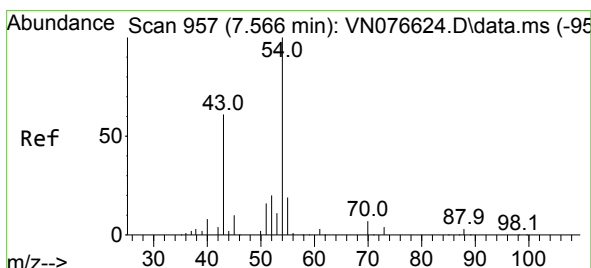
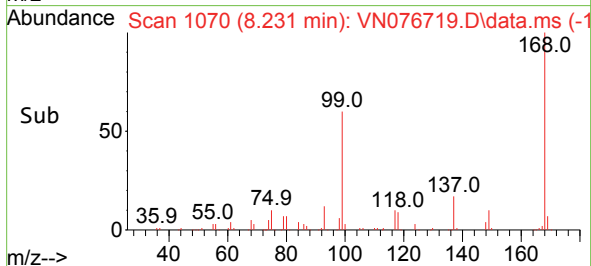
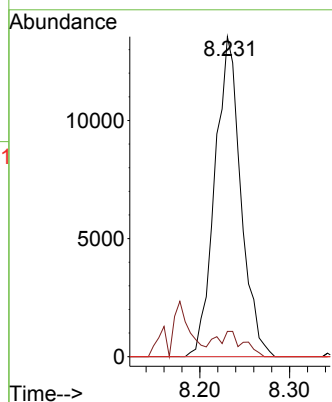
Tgt Ion: 75 Resp: 27231

Ion Ratio Lower Upper

75 100

110 8.3 17.5 52.5#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 9.872 ug/l

RT: 7.572 min Scan# 958

Delta R.T. 0.006 min

Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

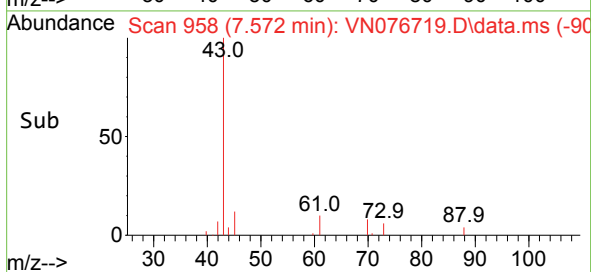
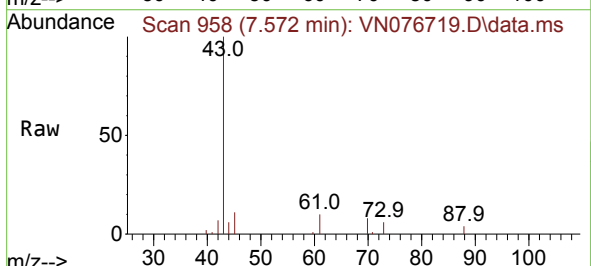
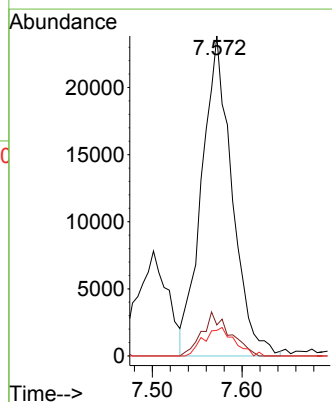
Tgt Ion: 43 Resp: 56020

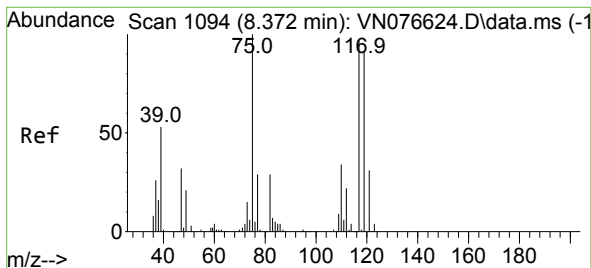
Ion Ratio Lower Upper

43 100

61 12.6 9.9 14.9

70 9.0 7.8 11.6





#38

Carbon Tetrachloride

Concen: 5.945 ug/l

RT: 8.225 min Scan# 1

Delta R.T. -0.147 min

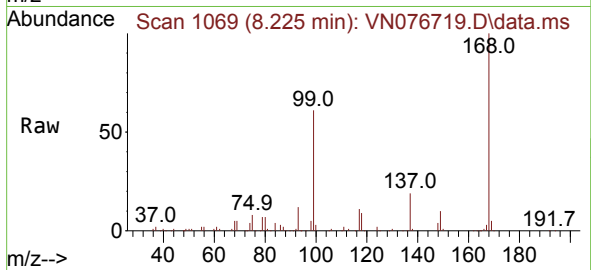
Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

Instrument :

MSVOA_N

ClientSampleId :



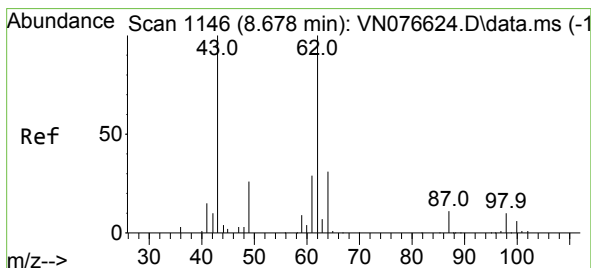
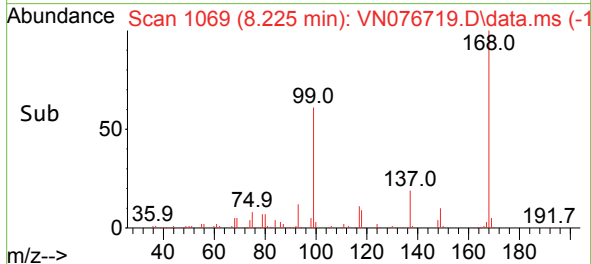
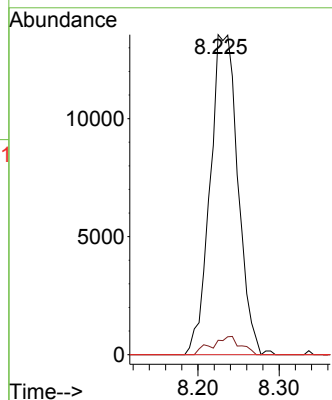
Tgt Ion:117 Resp: 32346

Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.0#

121 0.0 26.0 39.0#



#42

1,2-Dichloroethane

Concen: 0.428 ug/l

RT: 8.689 min Scan# 1148

Delta R.T. 0.011 min

Lab File: VN076719.D

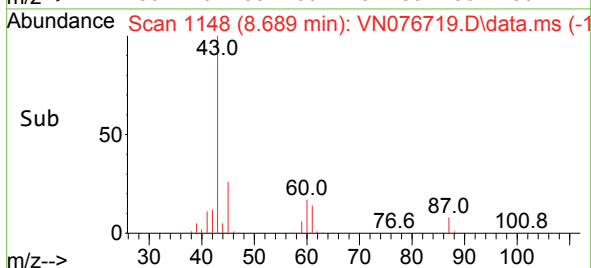
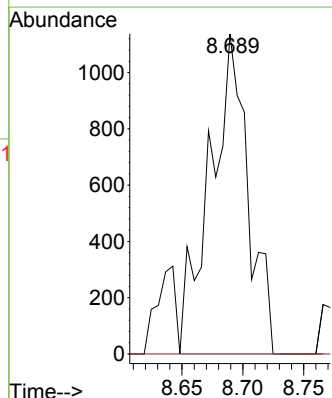
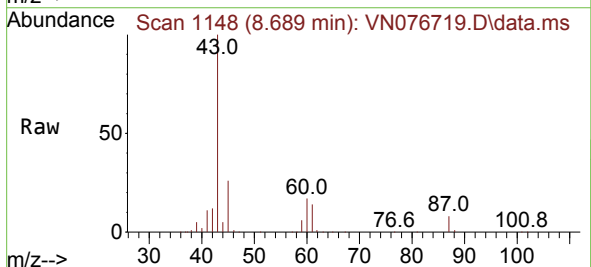
Acq: 16 Feb 2023 18:16

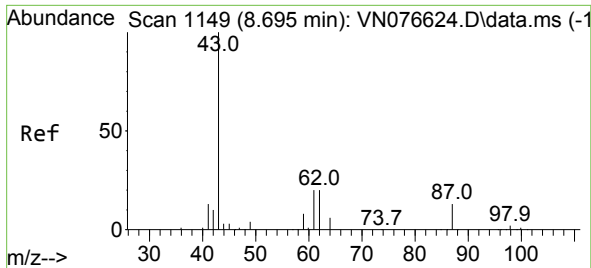
Tgt Ion: 62 Resp: 2473

Ion Ratio Lower Upper

62 100

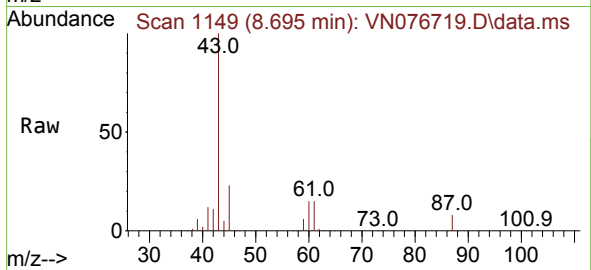
98 0.0 0.0 19.2



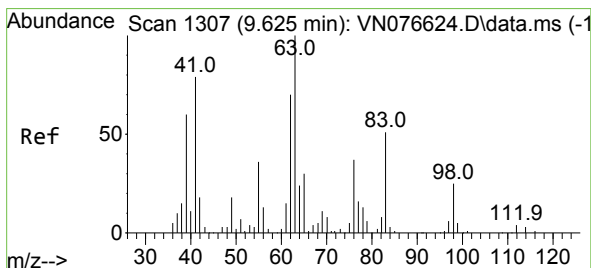
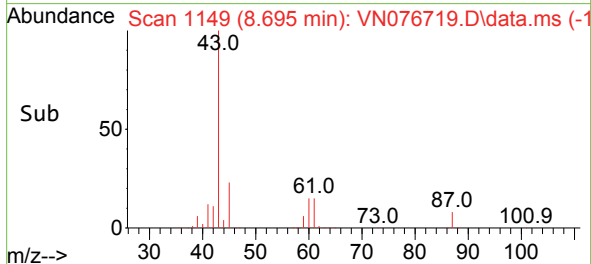
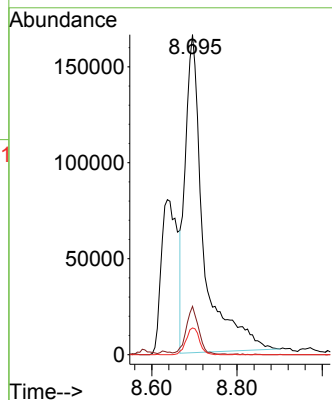


#43
Isopropyl Acetate
Concen: 53.947 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Instrument :
MSVOA_N
ClientSampleId :

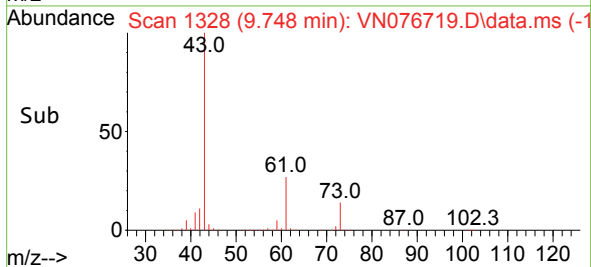
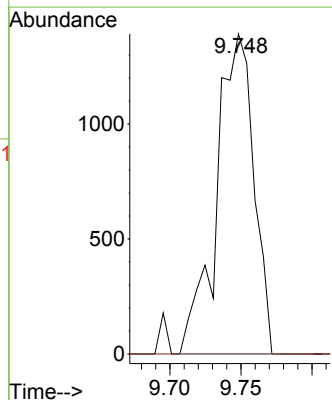
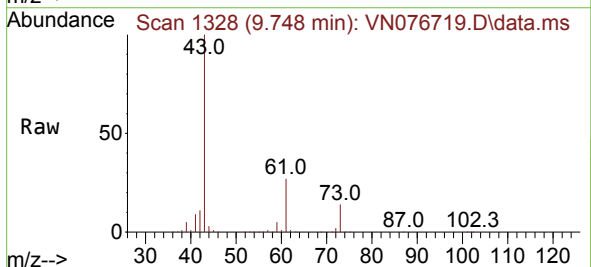


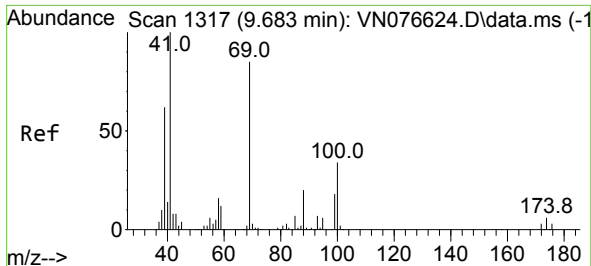
Tgt Ion: 43 Resp: 498154
Ion Ratio Lower Upper
43 100
61 10.1 20.0 30.0#
87 6.1 9.9 14.9#



#45
1,2-Dichloropropane
Concen: 0.579 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.123 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

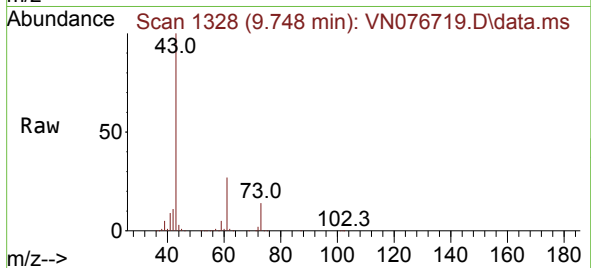
Tgt Ion: 63 Resp: 2539
Ion Ratio Lower Upper
63 100
65 0.0 24.2 36.2#



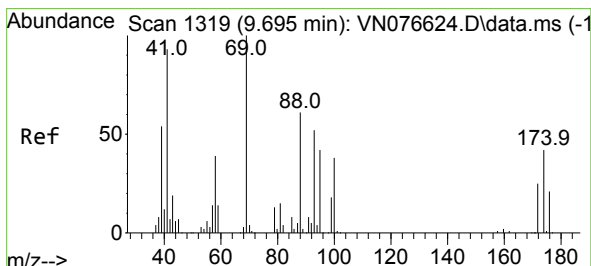
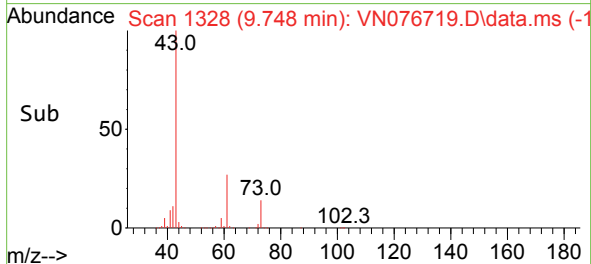
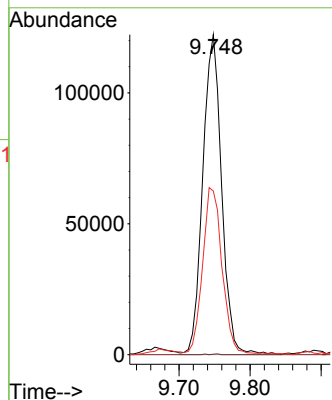


#48
Methyl methacrylate
Concen: 51.561 ug/l
RT: 9.748 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Instrument :
MSVOA_N
ClientSampleId :

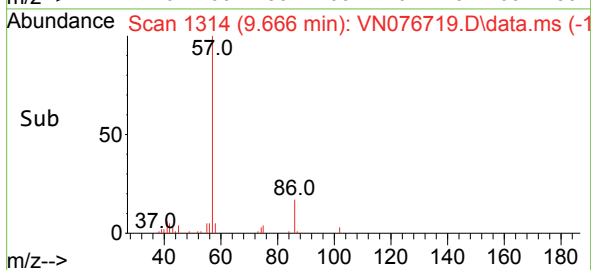
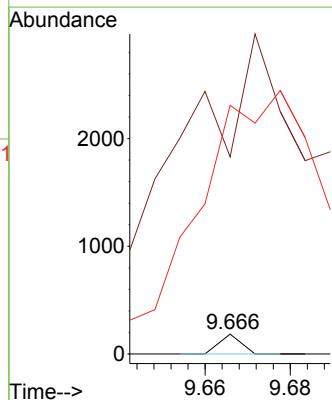
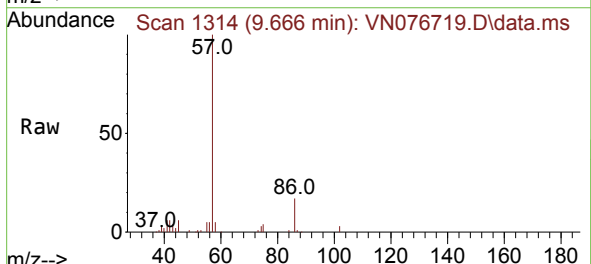


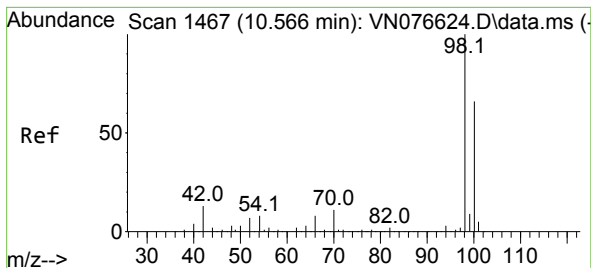
Tgt Ion: 41 Resp: 225933
Ion Ratio Lower Upper
41 100
69 0.1 65.4 98.0#
39 53.6 49.3 73.9



#49
1,4-Dioxane
Concen: 0.858 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.029 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 22.6 33.8#
58 7907.7 57.6 86.4#





#50

Toluene-d8

Concen: 51.678 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

Instrument :

MSVOA_N

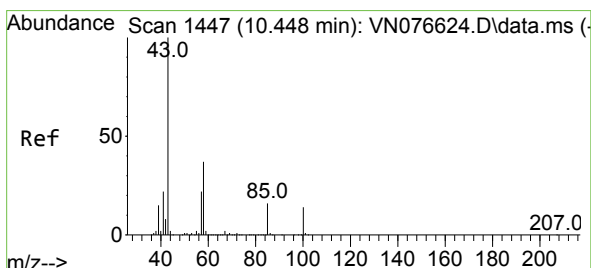
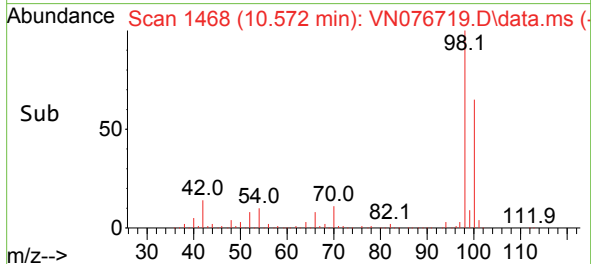
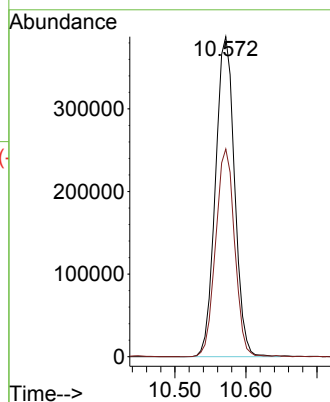
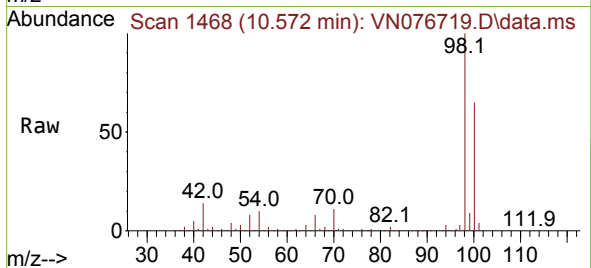
ClientSampleId :

Tgt Ion: 98 Resp: 720447

Ion Ratio Lower Upper

98 100

100 64.5 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 3.444 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VN076719.D

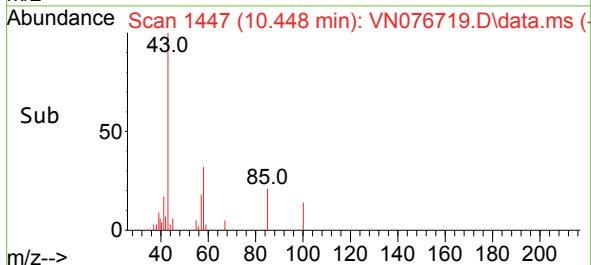
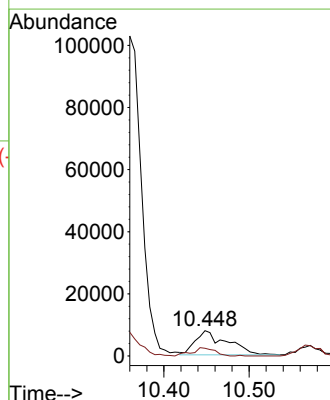
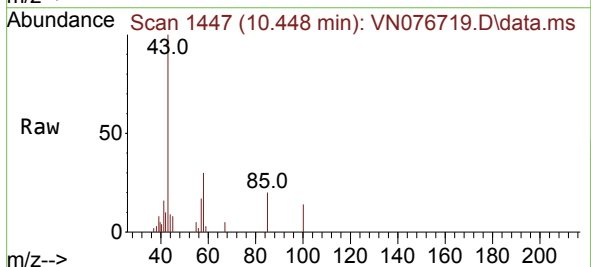
Acq: 16 Feb 2023 18:16

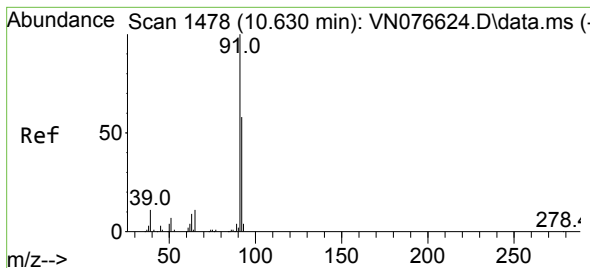
Tgt Ion: 43 Resp: 20235

Ion Ratio Lower Upper

43 100

58 24.1 29.5 44.3#





#52

Toluene

Concen: 0.369 ug/l

RT: 10.642 min Scan# 1478

Delta R.T. 0.012 min

Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

Instrument :

MSVOA_N

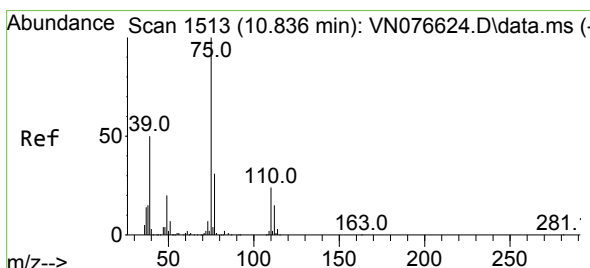
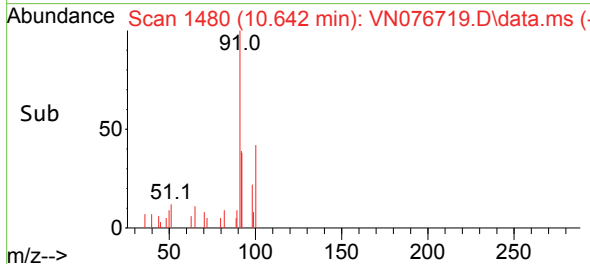
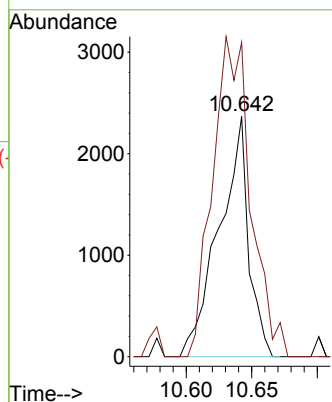
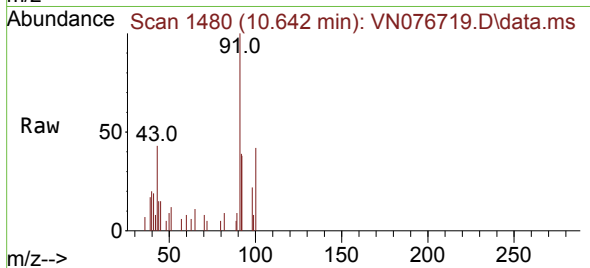
ClientSampleId :

Tgt Ion: 92 Resp: 3694

Ion Ratio Lower Upper

92 100

91 172.9 138.0 207.0



#53

t-1,3-Dichloropropene

Concen: 0.278 ug/l

RT: 10.736 min Scan# 1496

Delta R.T. -0.100 min

Lab File: VN076719.D

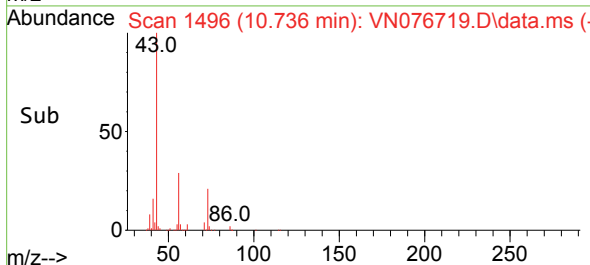
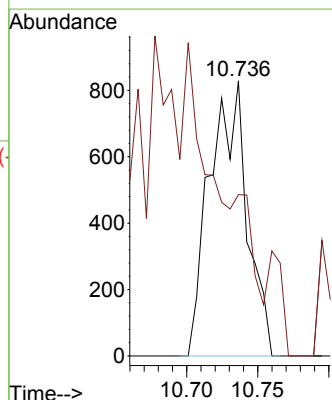
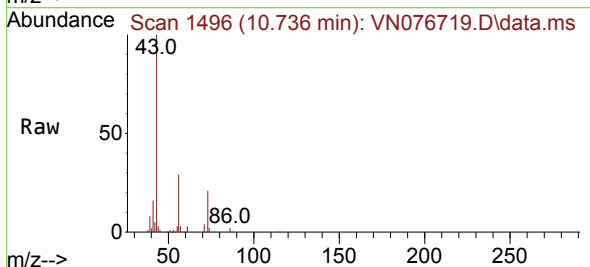
Acq: 16 Feb 2023 18:16

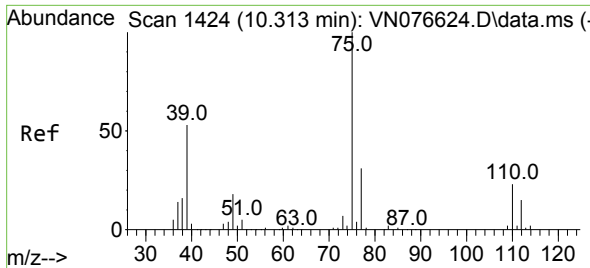
Tgt Ion: 75 Resp: 1508

Ion Ratio Lower Upper

75 100

77 24.8 24.6 37.0

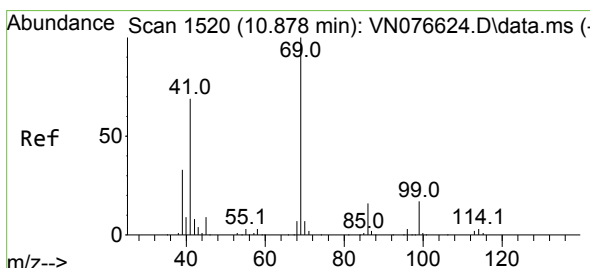
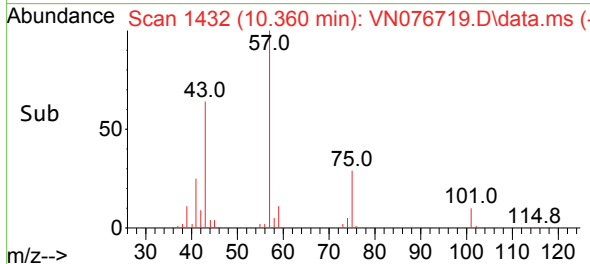
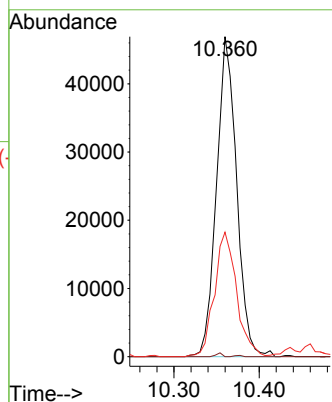
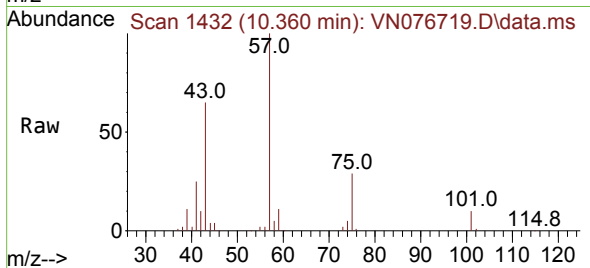




#54
 cis-1,3-Dichloropropene
 Concen: 12.288 ug/l
 RT: 10.360 min Scan# 1424
 Delta R.T. 0.047 min
 Lab File: VN076719.D
 Acq: 16 Feb 2023 18:16

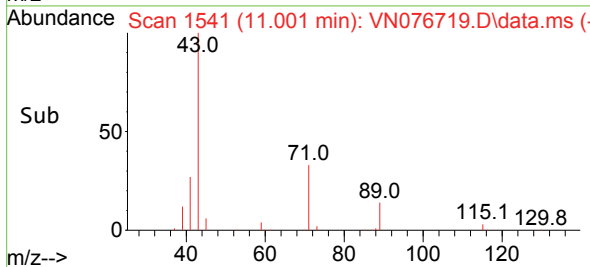
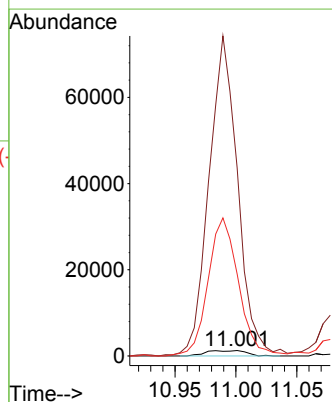
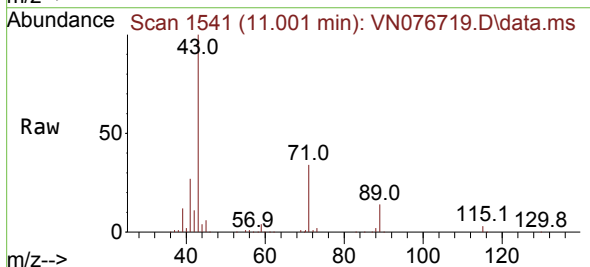
Instrument :
 MSVOA_N
 ClientSampleId :

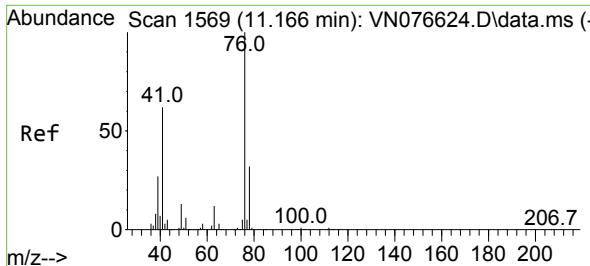
Tgt Ion: 75 Resp: 76883
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 38.9 42.3 63.5#



#56
 Ethyl methacrylate
 Concen: 0.500 ug/l
 RT: 11.001 min Scan# 1541
 Delta R.T. 0.123 min
 Lab File: VN076719.D
 Acq: 16 Feb 2023 18:16

Tgt Ion: 69 Resp: 2861
 Ion Ratio Lower Upper
 69 100
 41 4269.5 55.1 82.7#
 39 1950.4 30.7 46.1#





#57

1,3-Dichloropropane

Concen: 1.452 ug/l

RT: 11.213 min Scan# 1

Delta R.T. 0.047 min

Lab File: VN076719.D

Acq: 16 Feb 2023 18:16

Instrument :

MSVOA_N

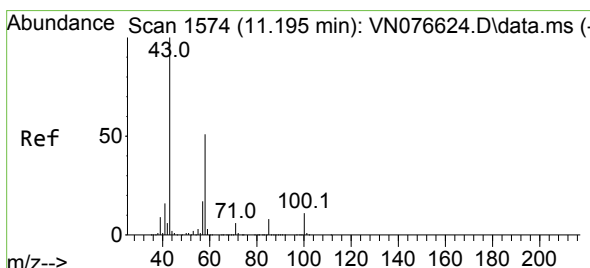
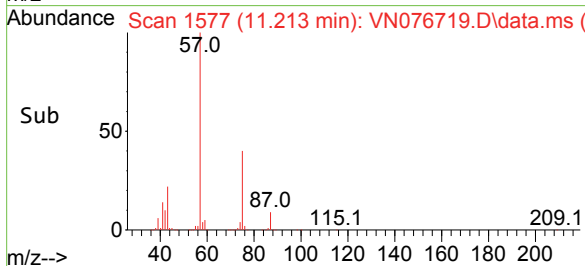
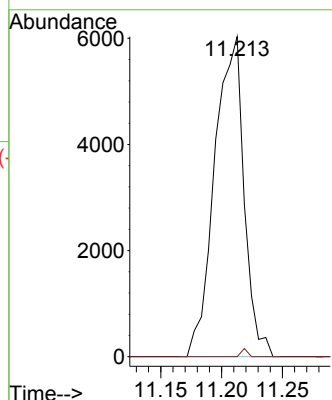
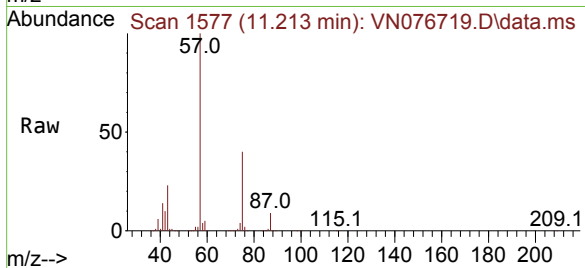
ClientSampleId :

Tgt Ion: 76 Resp: 10144

Ion Ratio Lower Upper

76 100

78 0.5 26.1 39.1#



#59

2-Hexanone

Concen: 49.136 ug/l

RT: 11.172 min Scan# 1570

Delta R.T. -0.023 min

Lab File: VN076719.D

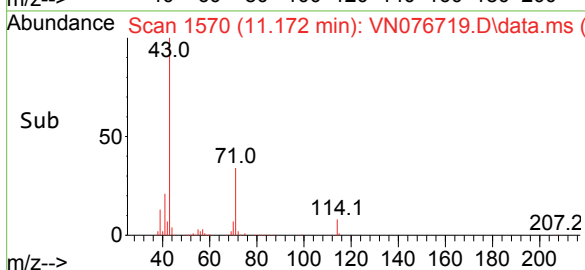
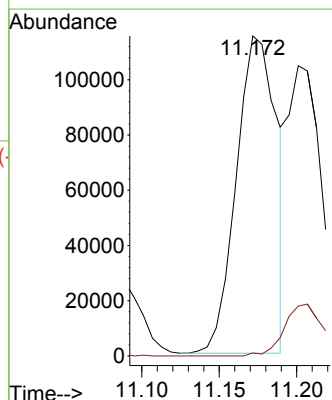
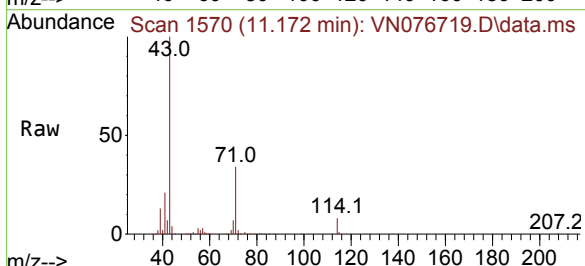
Acq: 16 Feb 2023 18:16

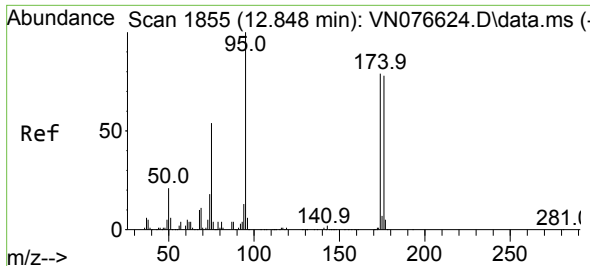
Tgt Ion: 43 Resp: 208151

Ion Ratio Lower Upper

43 100

58 0.0 25.4 76.0#

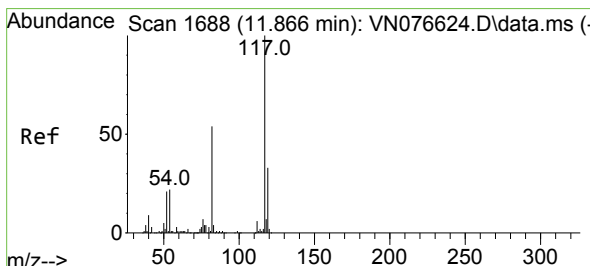
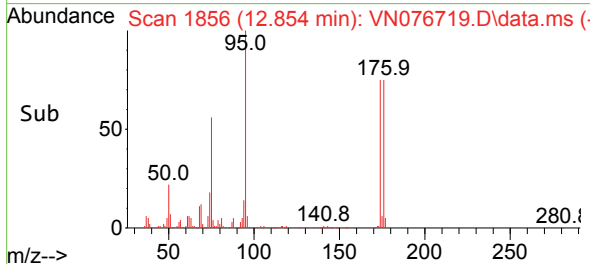
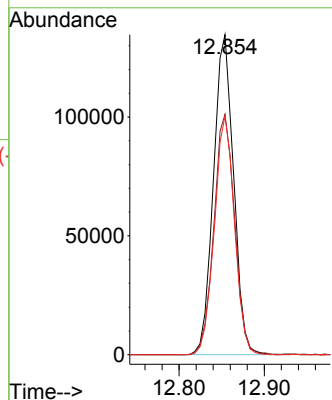
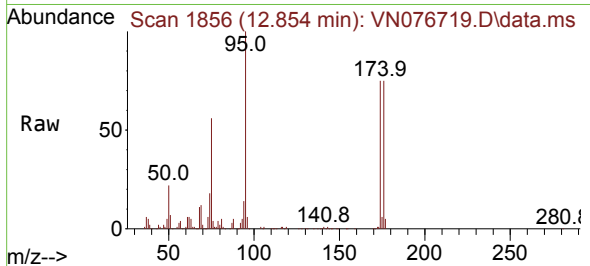




#62
4-Bromofluorobenzene
Concen: 47.909 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

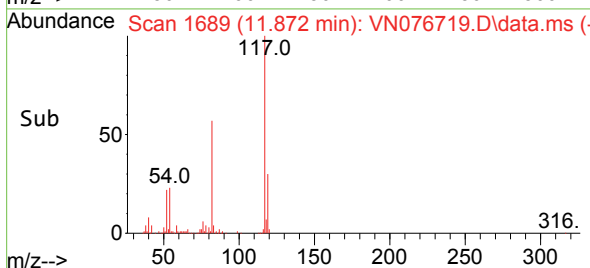
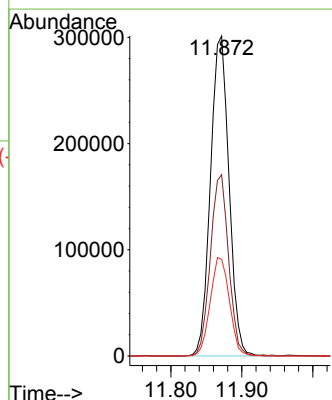
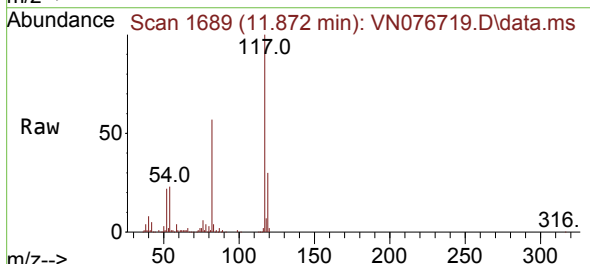
Instrument :
MSVOA_N
ClientSampleId :

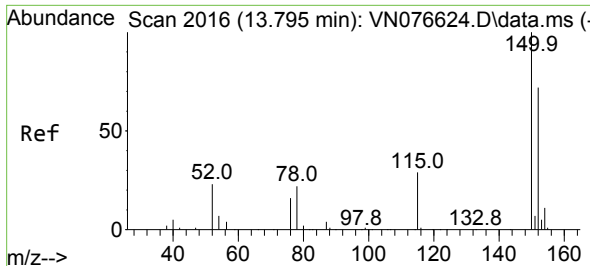
Tgt Ion: 95 Resp: 221215
Ion Ratio Lower Upper
95 100
174 77.5 0.0 169.2
176 74.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

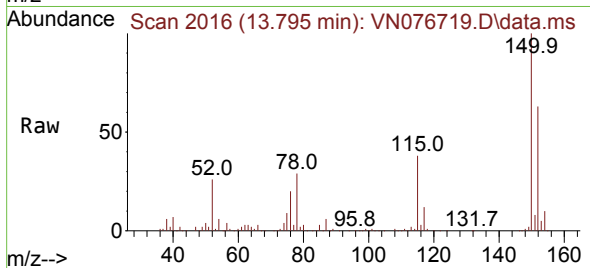
Tgt Ion: 117 Resp: 545761
Ion Ratio Lower Upper
117 100
82 56.6 43.4 65.2
119 30.2 26.1 39.1



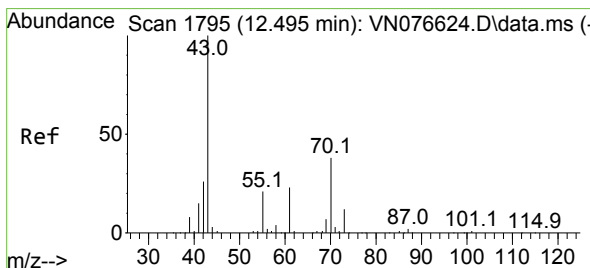
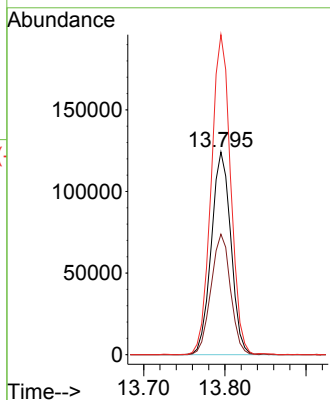
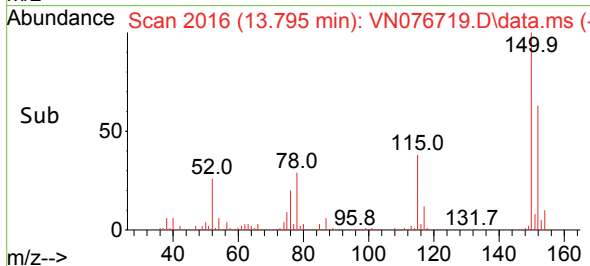


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

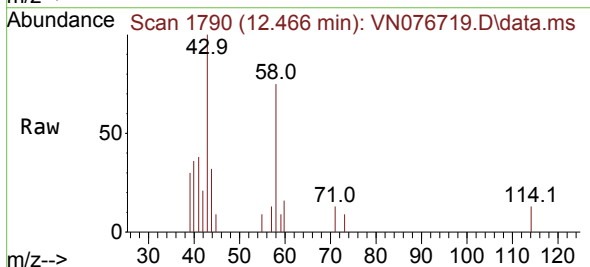
Instrument :
MSVOA_N
ClientSampleId :



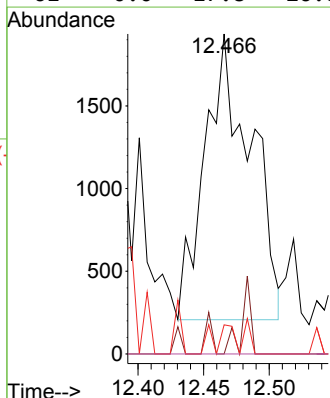
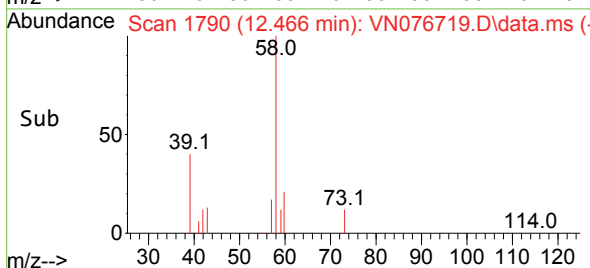
Tgt Ion:152 Resp: 207813
Ion Ratio Lower Upper
152 100
115 59.3 29.3 87.9
150 157.2 0.0 349.8

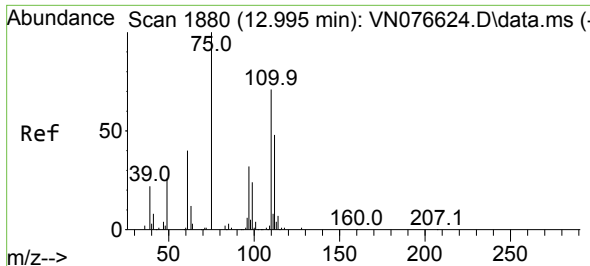


#74
N-ethyl acetate
Concen: 0.614 ug/l
RT: 12.466 min Scan# 1790
Delta R.T. -0.029 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16



Tgt Ion: 43 Resp: 4215
Ion Ratio Lower Upper
43 100
70 2.1 30.5 45.7#
55 4.4 17.8 26.8#
61 0.0 17.8 26.8#

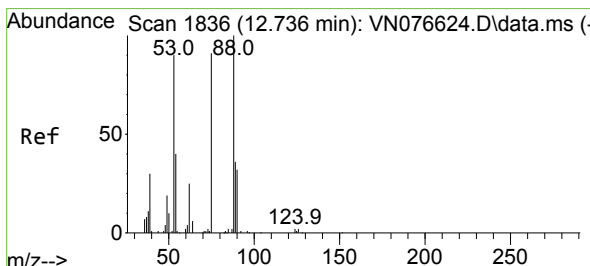
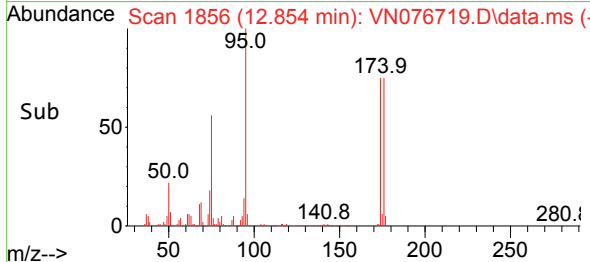
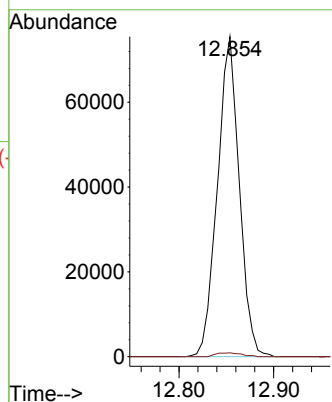
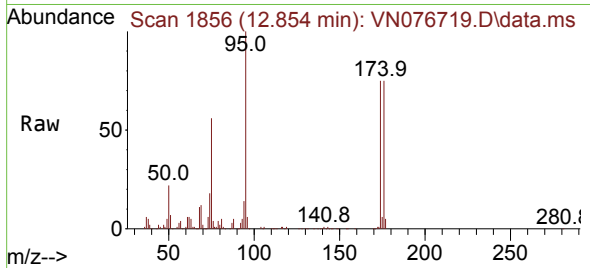




#76
1,2,3-Trichloropropane
Concen: 28.852 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 121220
Ion Ratio Lower Upper
75 100
77 1.4 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.034 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076719.D
Acq: 16 Feb 2023 18:16

Tgt Ion: 75 Resp: 121220
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1#
89 0.1 37.5 56.3#

