

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076467.D
 Acq On : 30 Jan 2023 19:18
 Operator : JC\MD
 Sample : 01329-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:45:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

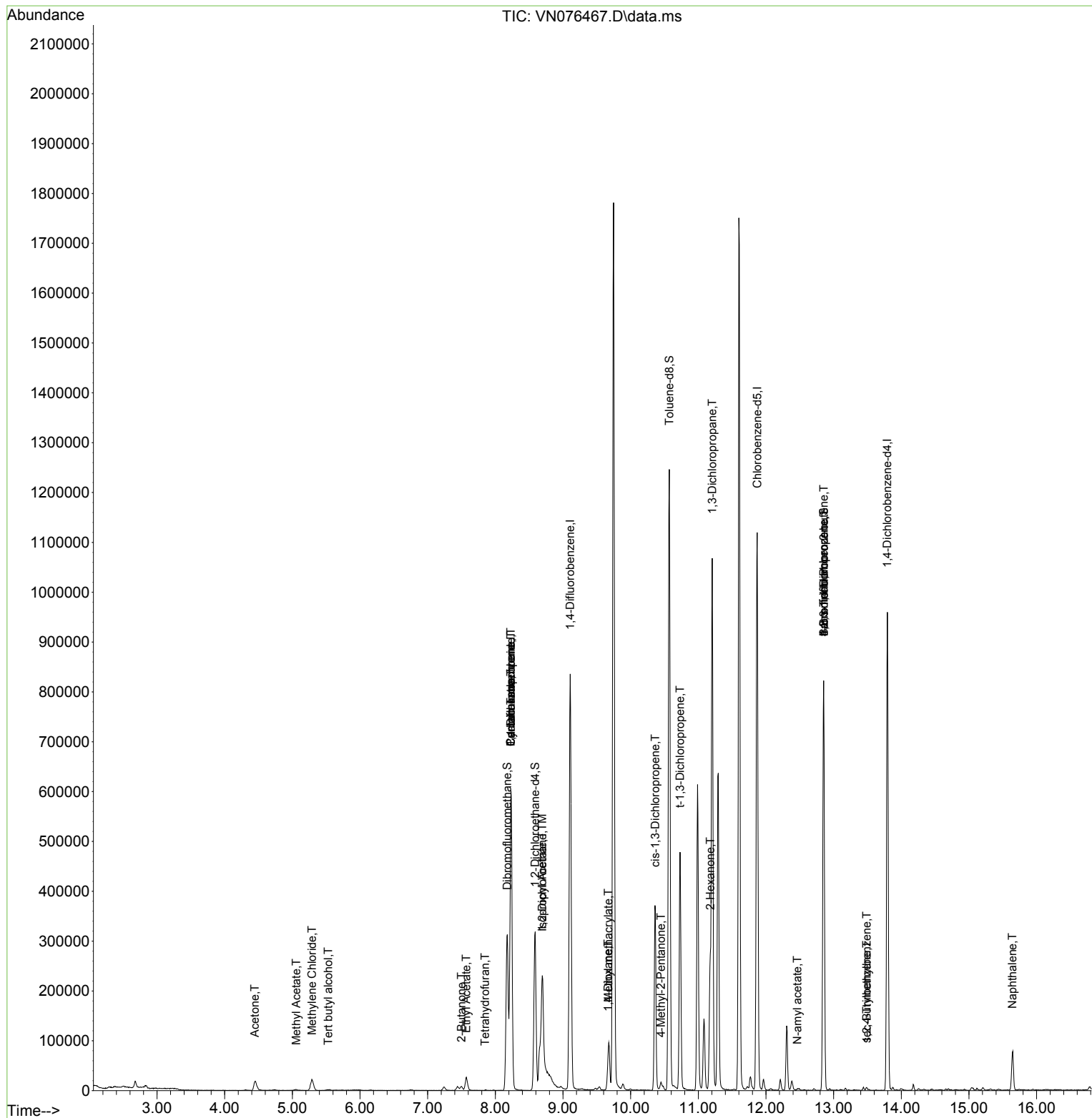
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	428819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	736607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	664381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	260598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	268771	55.977	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.960%	
35) Dibromofluoromethane	8.177	113	222840	48.362	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.720%	
50) Toluene-d8	10.571	98	880924	51.767	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.540%	
62) 4-Bromofluorobenzene	12.853	95	276890	49.843	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.680%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	1583	2.465	ug/l	# 72
16) Acetone	4.447	43	37959	24.595	ug/l	92
18) Methyl Acetate	5.059	43	4559	0.874	ug/l	# 73
20) Methylene Chloride	5.289	84	17433	3.265	ug/l	95
25) 2-Butanone	7.500	43	12632	5.373	ug/l	97
29) Tetrahydrofuran	7.847	42	620	0.427	ug/l	# 32
31) Cyclohexane	8.229	56	9225	1.251	ug/l	# 5
36) 1,1-Dichloropropene	8.229	75	34559	5.278	ug/l	# 50
37) Ethyl Acetate	7.571	43	39887	7.626	ug/l	98
38) Carbon Tetrachloride	8.229	117	47509	6.507	ug/l	# 17
42) 1,2-Dichloroethane	8.694	62	1890	0.282	ug/l	# 73
43) Isopropyl Acetate	8.694	43	394759	46.206	ug/l	# 70
48) Methyl methacrylate	9.671	41	5929	1.466	ug/l	# 40
49) 1,4-Dioxane	9.665	88	61	0.715	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	15459	3.082	ug/l	# 72
53) t-1,3-Dichloropropene	10.729	75	1454	0.222	ug/l	98
54) cis-1,3-Dichloropropene	10.365	75	72062	9.573	ug/l	# 64
57) 1,3-Dichloropropane	11.206	76	11341	1.394	ug/l	# 42
59) 2-Hexanone	11.176	43	188671	51.912	ug/l	# 21
71) Bromoform	12.853	173	1909	0.506	ug/l	# 1
74) N-amyl acetate	12.465	43	3155	0.544	ug/l	# 40
76) 1,2,3-Trichloropropane	12.853	75	149126	31.053	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	149126	95.212	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.488	105	4235	0.250	ug/l	89
85) sec-Butylbenzene	13.488	105	4235	0.203	ug/l	# 56
95) Naphthalene	15.641	128	74061	7.108	ug/l	99

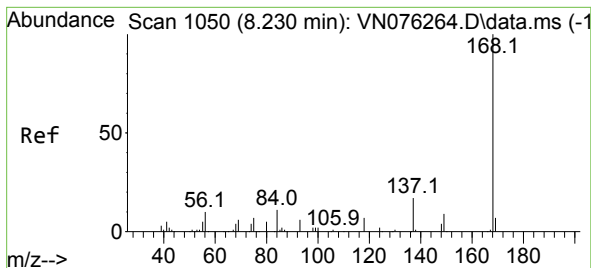
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.001 min

Lab File: VN076467.D

Acq: 30 Jan 2023 19:18

Instrument :

MSVOA_N

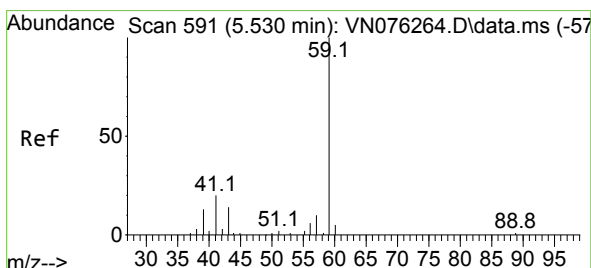
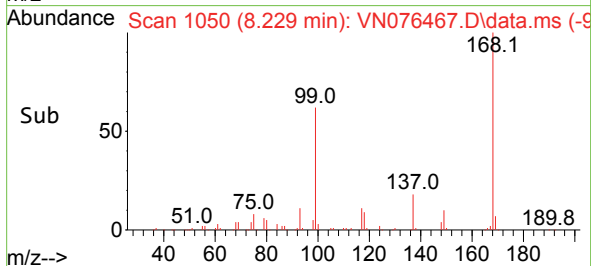
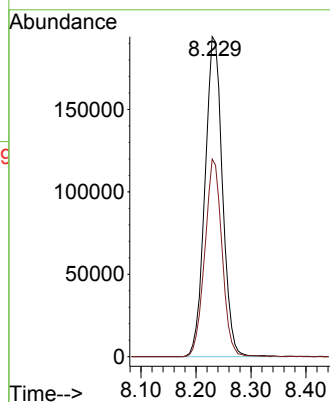
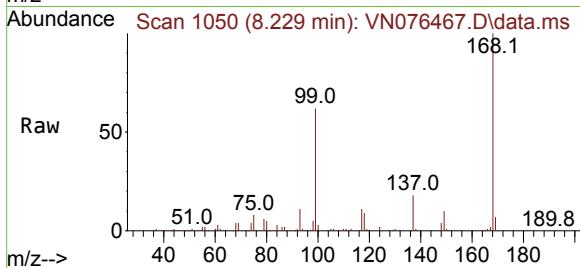
ClientSampleId :

Tgt Ion:168 Resp: 428819

Ion Ratio Lower Upper

168 100

99 61.7 41.6 62.4



#11

Tert butyl alcohol

Concen: 2.465 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.000 min

Lab File: VN076467.D

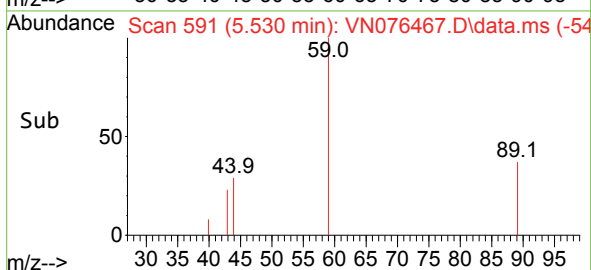
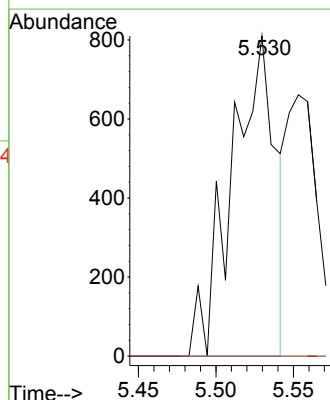
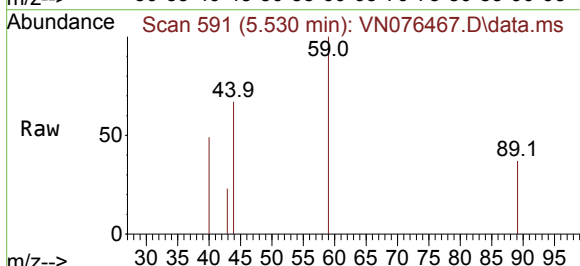
Acq: 30 Jan 2023 19:18

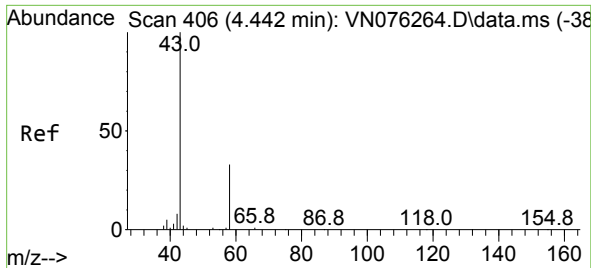
Tgt Ion: 59 Resp: 1583

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

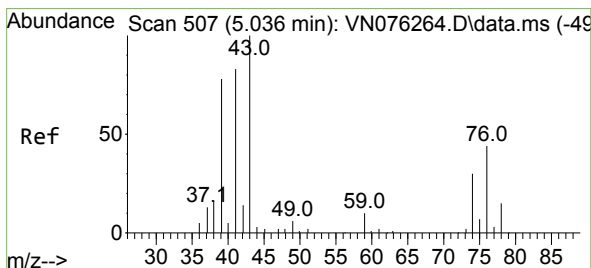
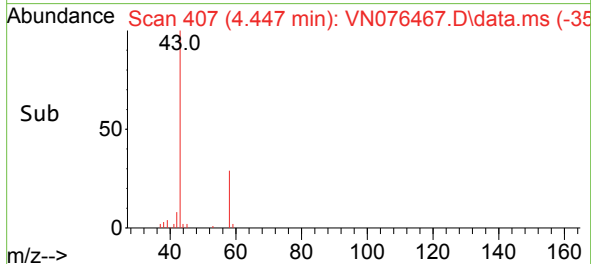
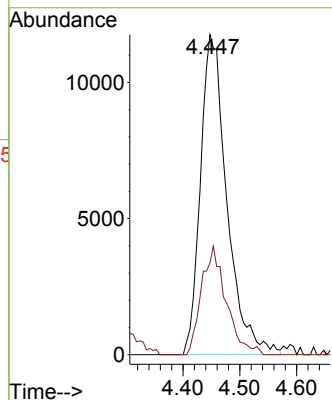
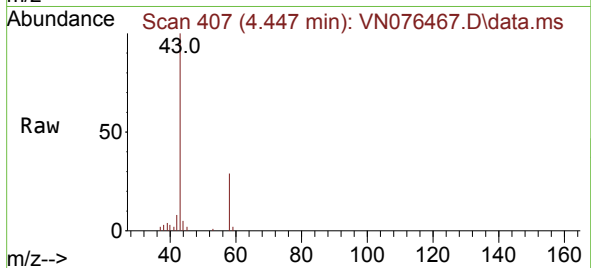




#16
Acetone
Concen: 24.595 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

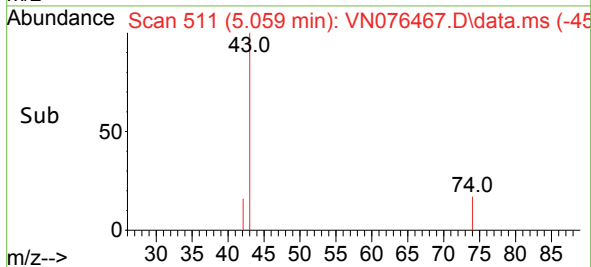
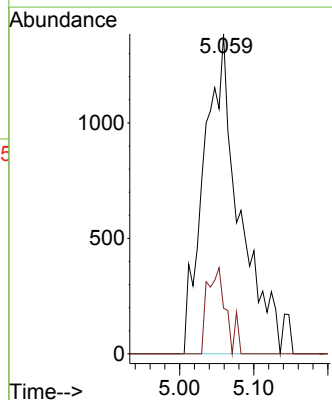
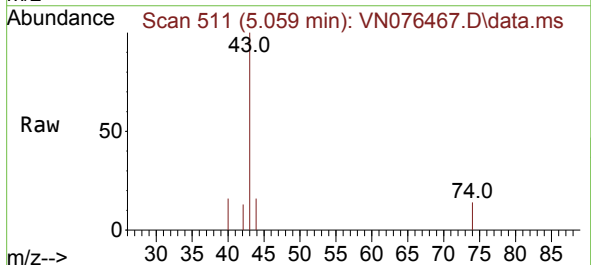
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 37959
Ion Ratio Lower Upper
43 100
58 28.6 26.7 40.1



#18
Methyl Acetate
Concen: 0.874 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

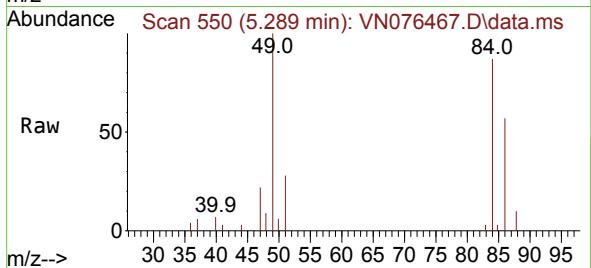
Tgt Ion: 43 Resp: 4559
Ion Ratio Lower Upper
43 100
74 14.4 23.3 34.9#



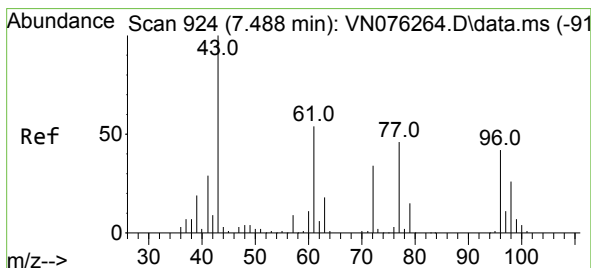
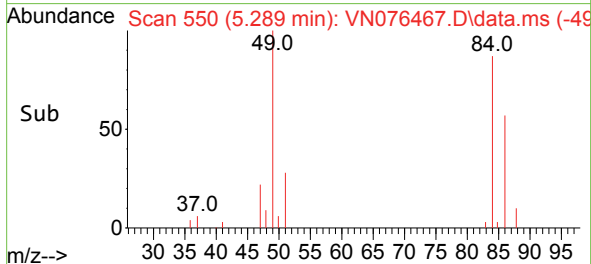
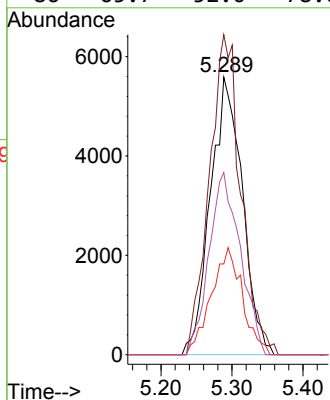


#20
Methylene Chloride
Concen: 3.265 ug/l
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Instrument :
MSVOA_N
ClientSampleId :

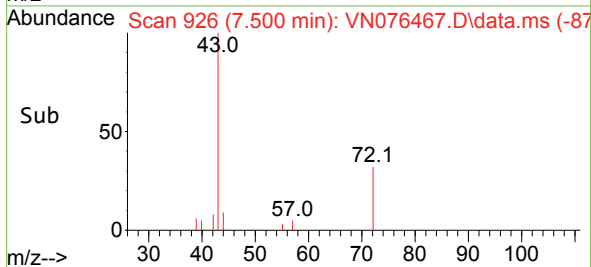
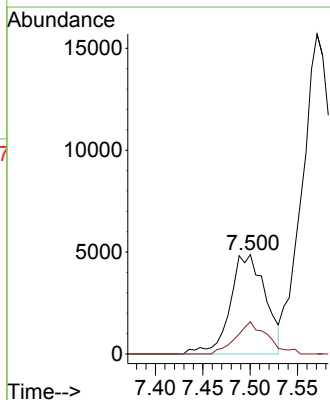
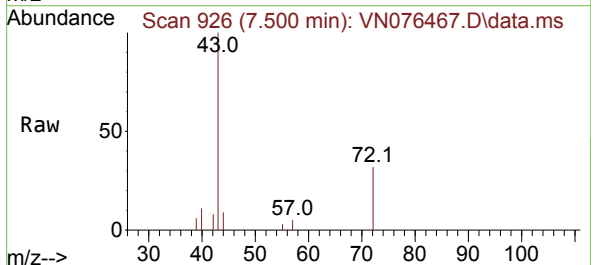


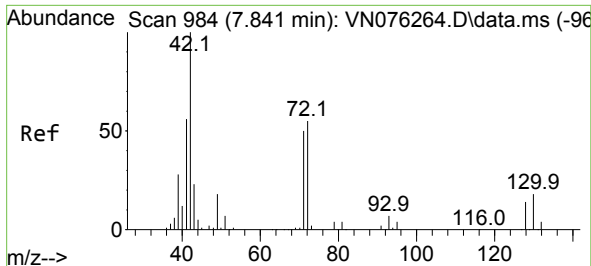
Tgt Ion: 84	Resp: 17433
Ion Ratio	Lower Upper
84 100	
49 115.3	84.5 126.7
51 32.7	26.0 39.0
86 65.7	52.0 78.0



#25
2-Butanone
Concen: 5.373 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 43	Resp: 12632
Ion Ratio	Lower Upper
43 100	
72 32.4	27.4 41.2

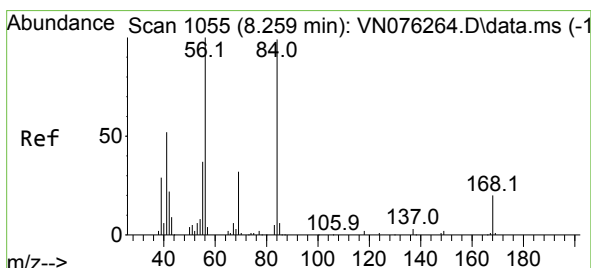
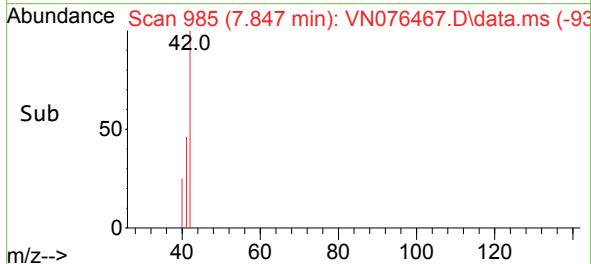
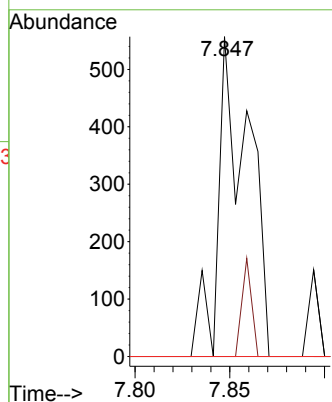
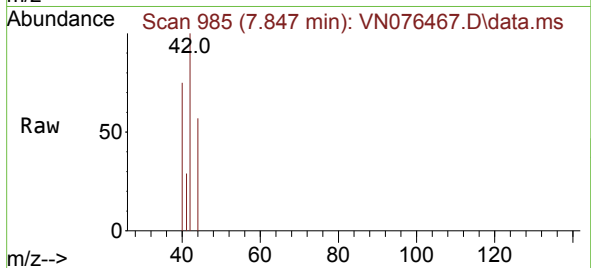




#29
Tetrahydrofuran
Concen: 0.427 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

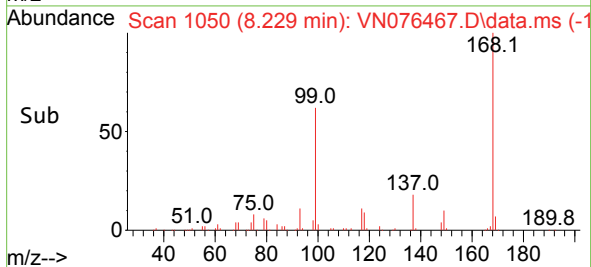
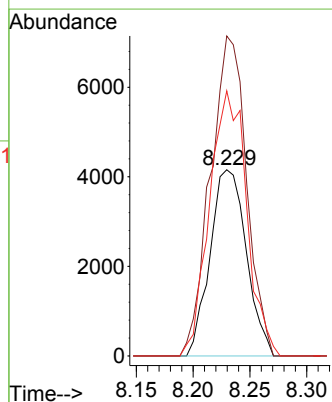
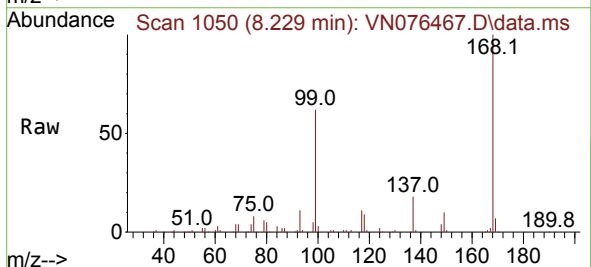
Instrument :
MSVOA_N
ClientSampleId :

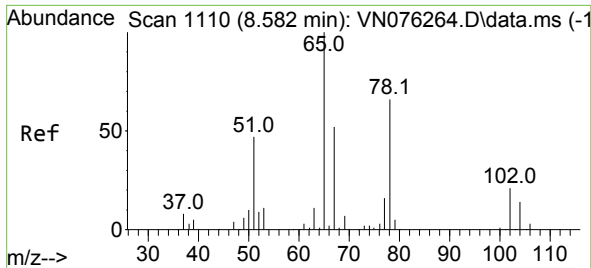
Tgt Ion: 42 Resp: 620
Ion Ratio Lower Upper
42 100
72 9.7 44.0 66.0#
71 0.0 41.1 61.7#



#31
Cyclohexane
Concen: 1.251 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 56 Resp: 9225
Ion Ratio Lower Upper
56 100
69 171.8 25.8 38.8#
84 142.3 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 55.977 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076467.D

Acq: 30 Jan 2023 19:18

Instrument :

MSVOA_N

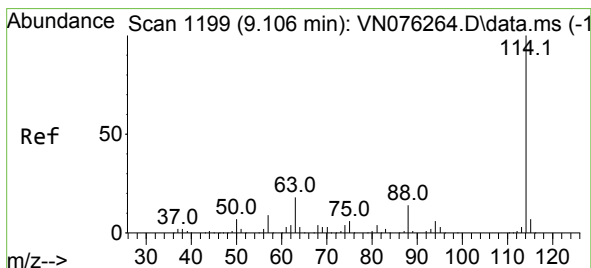
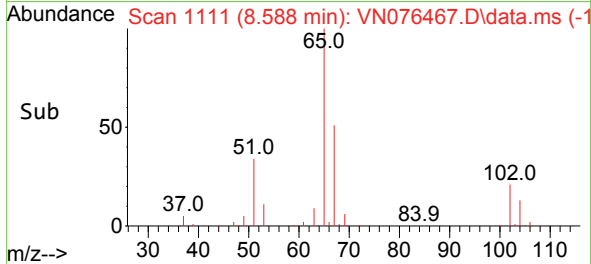
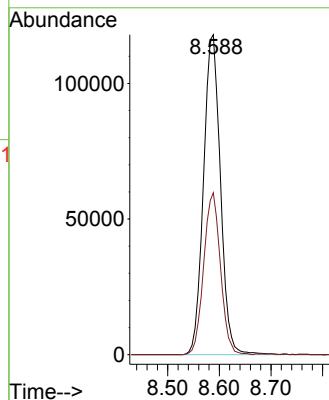
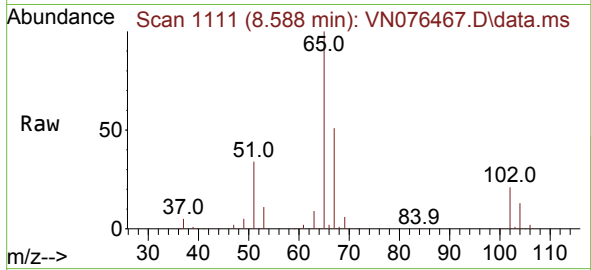
ClientSampleId :

Tgt Ion: 65 Resp: 268771

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076467.D

Acq: 30 Jan 2023 19:18

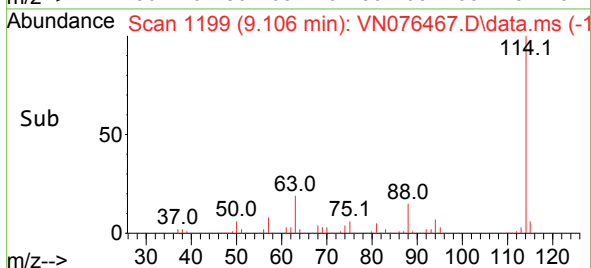
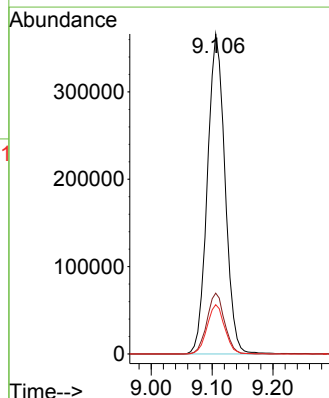
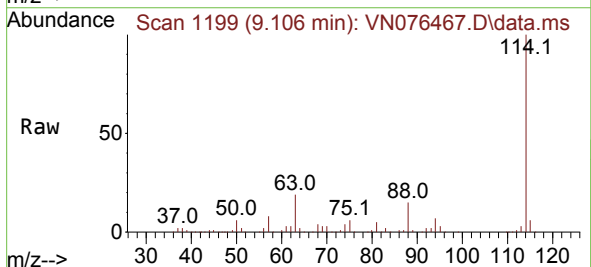
Tgt Ion: 114 Resp: 736607

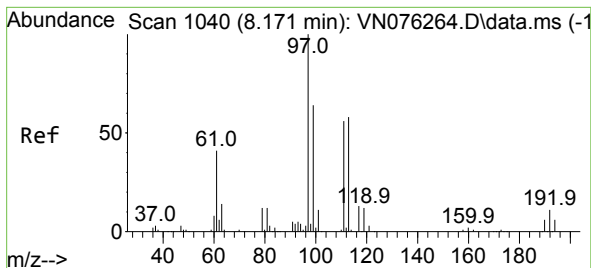
Ion Ratio Lower Upper

114 100

63 19.0 0.0 35.8

88 15.4 0.0 28.0





#35

Dibromofluoromethane

Concen: 48.362 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

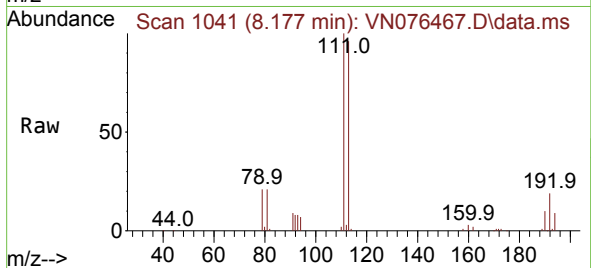
Lab File: VN076467.D

Acq: 30 Jan 2023 19:18

Instrument :

MSVOA_N

ClientSampleId :



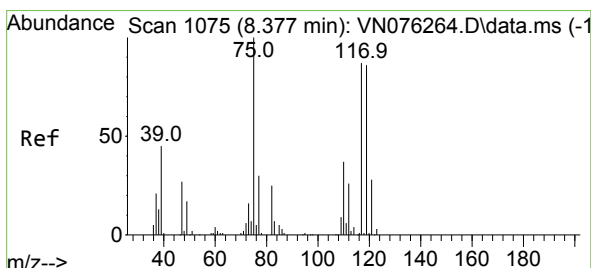
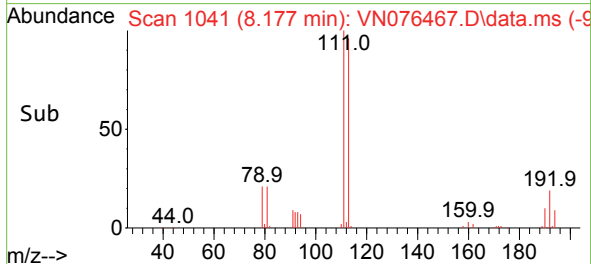
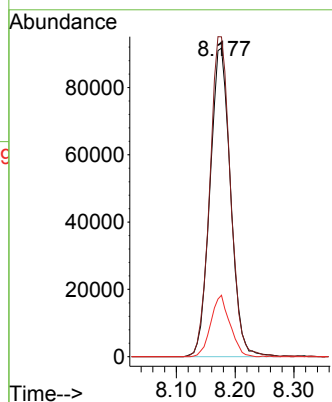
Tgt Ion:113 Resp: 222840

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

192 18.5 15.6 23.4



#36

1,1-Dichloropropene

Concen: 5.278 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.148 min

Lab File: VN076467.D

Acq: 30 Jan 2023 19:18

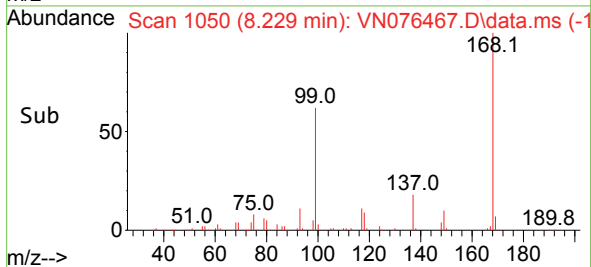
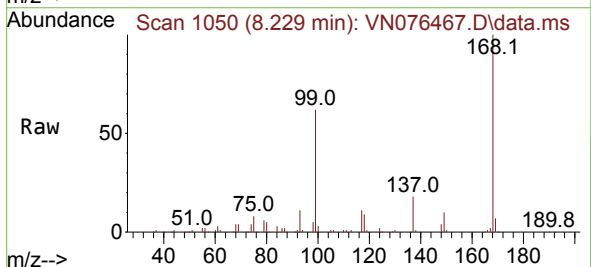
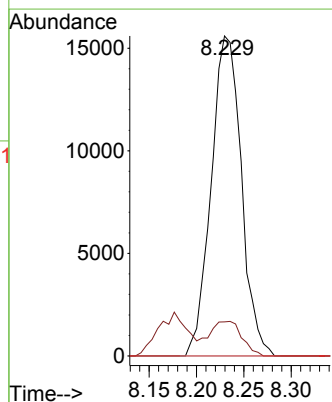
Tgt Ion: 75 Resp: 34559

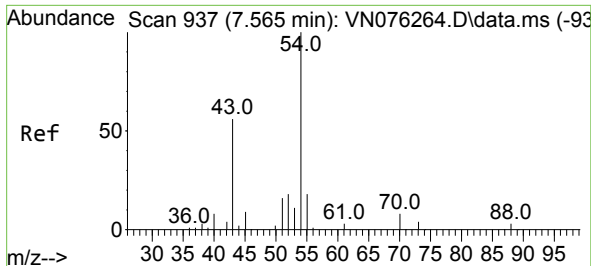
Ion Ratio Lower Upper

75 100

110 11.0 18.8 56.3#

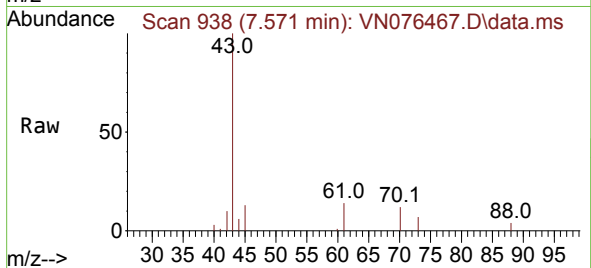
77 0.0 25.0 37.4#



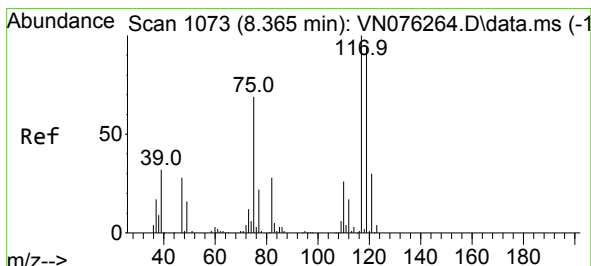
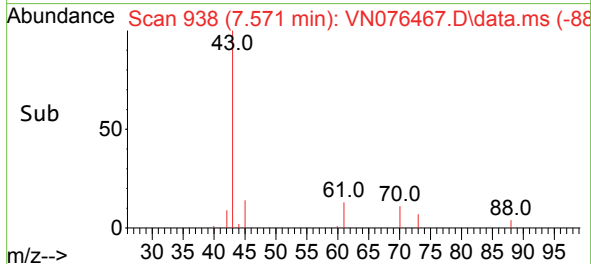
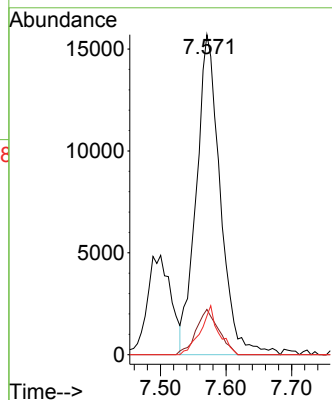


#37
Ethyl Acetate
Concen: 7.626 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076467.D
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Instrument :
MSVOA_N
ClientSampleId :

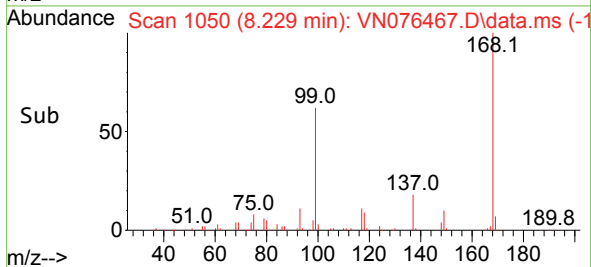
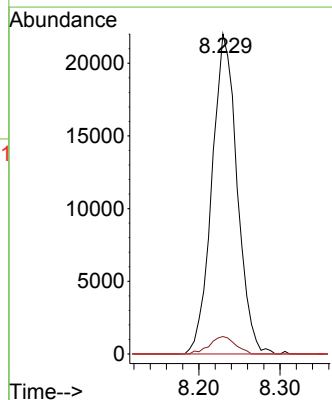
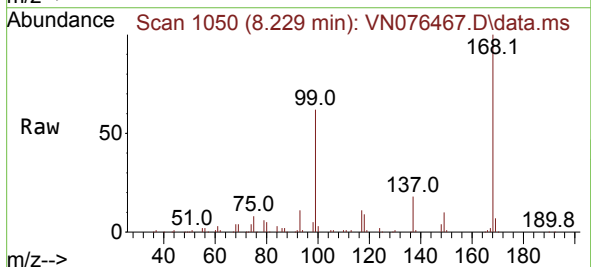


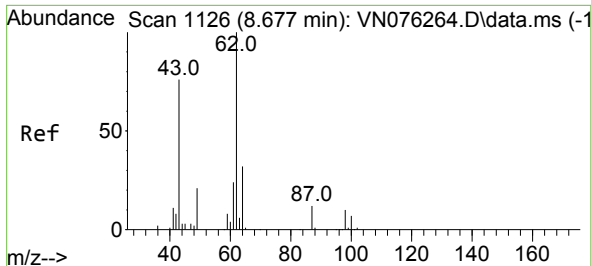
Tgt Ion: 43 Resp: 39887
Ion Ratio Lower Upper
43 100
61 13.4 11.1 16.7
70 11.6 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.507 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 117 Resp: 47509
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.0#
121 0.0 24.2 36.2#





#42

1,2-Dichloroethane

Concen: 0.282 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.017 min

Lab File: VN076467.D

Acq: 30 Jan 2023 19:18

Instrument :

MSVOA_N

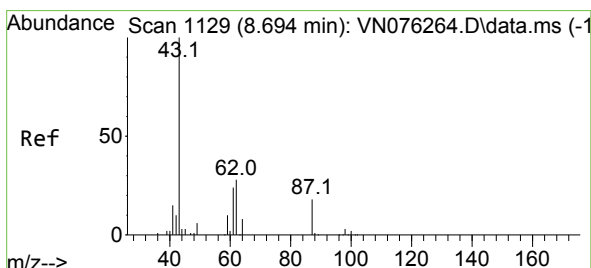
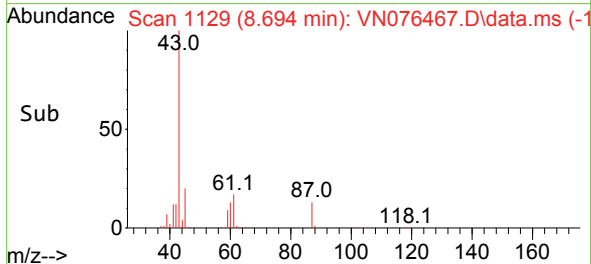
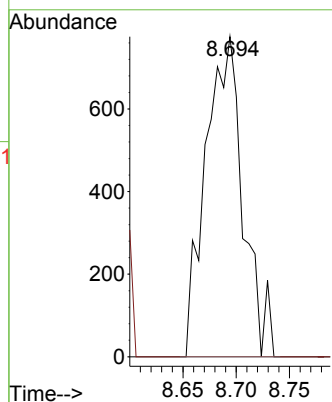
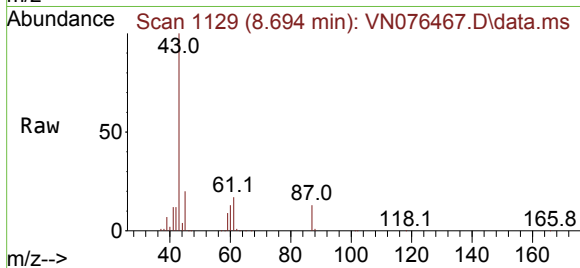
ClientSampleId :

Tgt Ion: 62 Resp: 1890

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.4



#43

Isopropyl Acetate

Concen: 46.206 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN076467.D

Acq: 30 Jan 2023 19:18

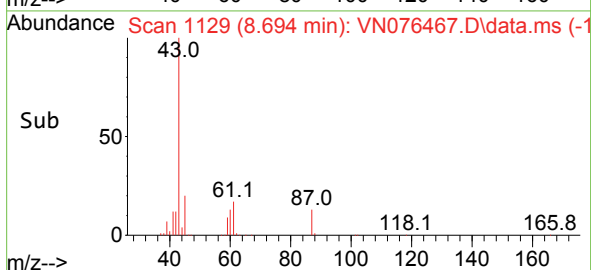
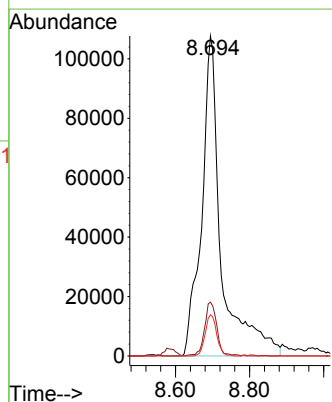
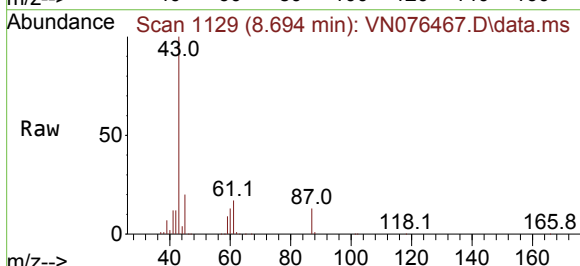
Tgt Ion: 43 Resp: 394759

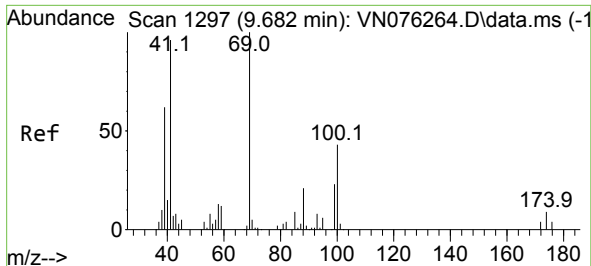
Ion Ratio Lower Upper

43 100

61 10.5 23.5 35.3#

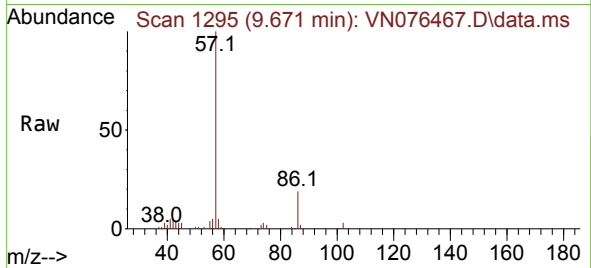
87 7.6 13.8 20.6#



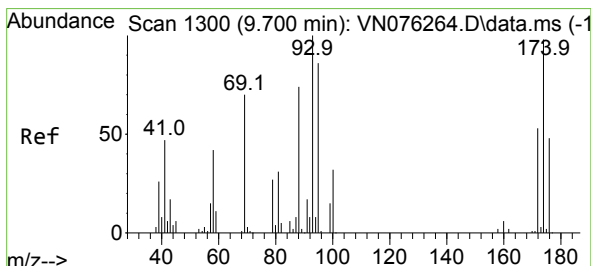
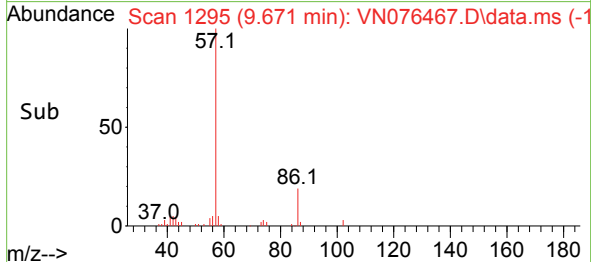
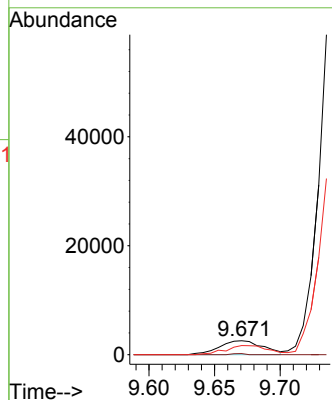


#48
Methyl methacrylate
Concen: 1.466 ug/l
RT: 9.671 min Scan# 1295
Delta R.T. -0.011 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Instrument :
MSVOA_N
ClientSampleId :

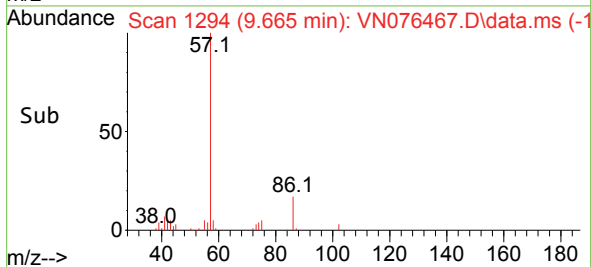
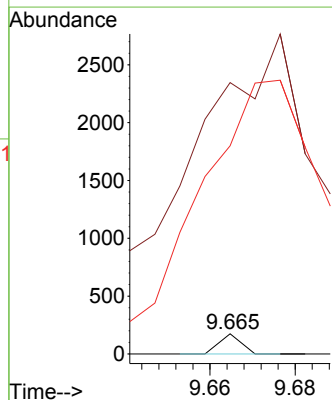
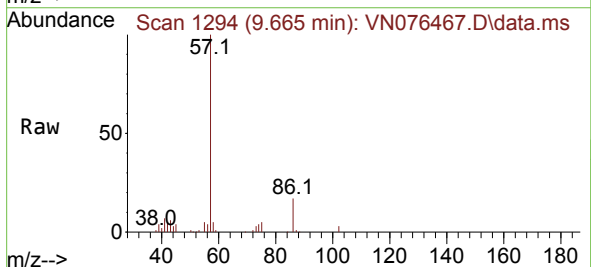


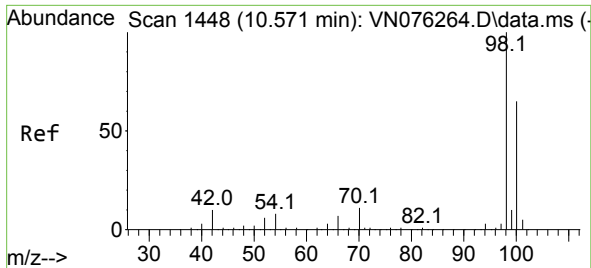
Tgt Ion: 41 Resp: 5929
Ion Ratio Lower Upper
41 100
69 2.2 80.8 121.2#
39 64.6 54.4 81.6



#49
1,4-Dioxane
Concen: 0.715 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.035 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 18.1 27.1#
58 8165.6 46.5 69.7#

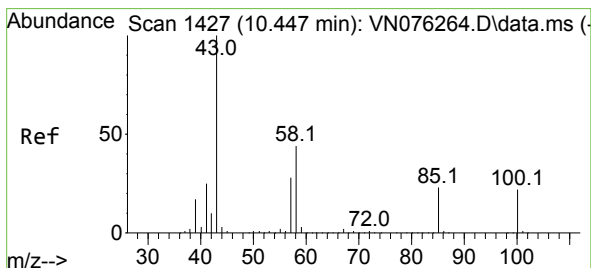
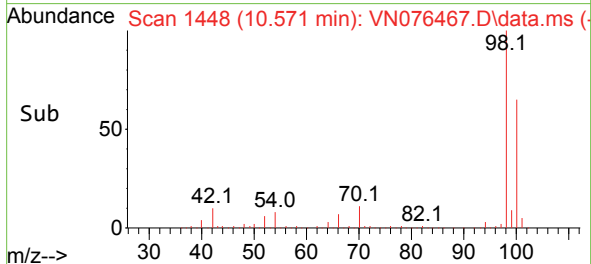
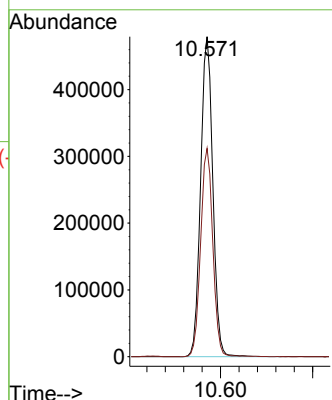
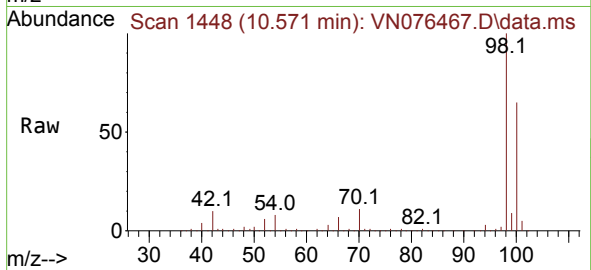




#50
Toluene-d8
Concen: 51.767 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

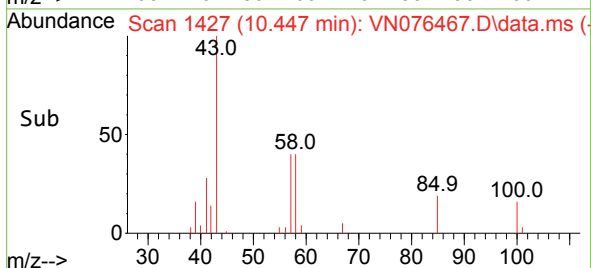
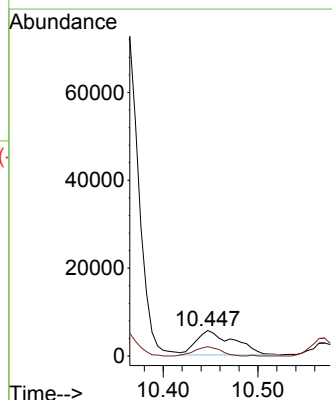
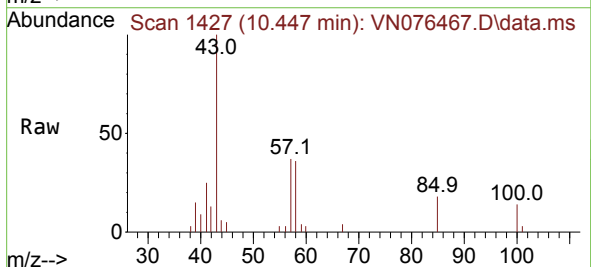
Instrument :
MSVOA_N
ClientSampleId :

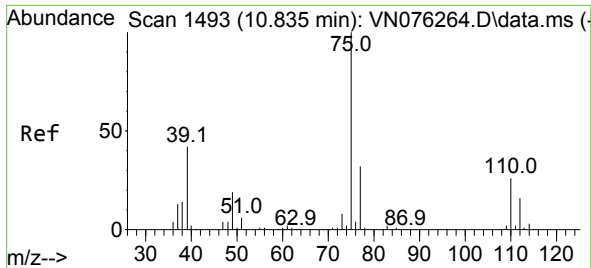
Tgt Ion: 98 Resp: 880924
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.082 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 43 Resp: 15459
Ion Ratio Lower Upper
43 100
58 25.9 35.1 52.7#

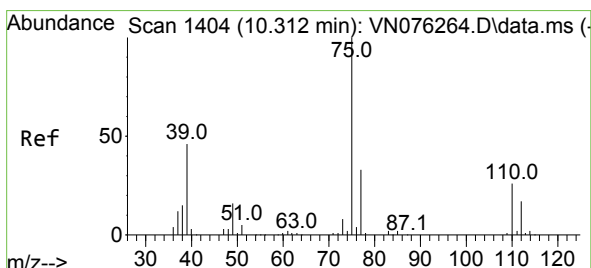
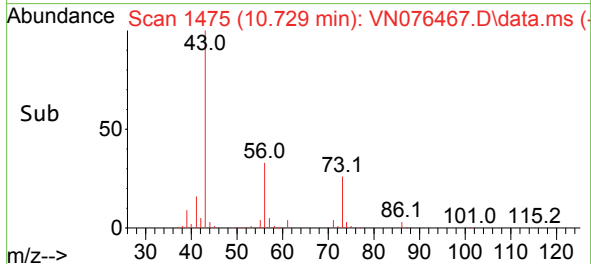
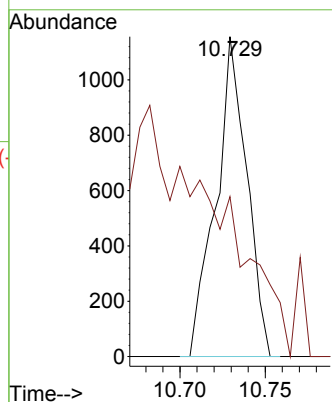
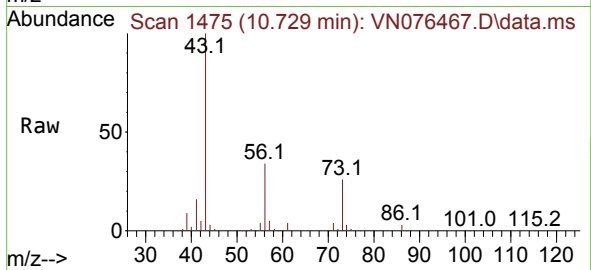




#53
 t-1,3-Dichloropropene
 Concen: 0.222 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076467.D
 Acq: 30 Jan 2023 19:18

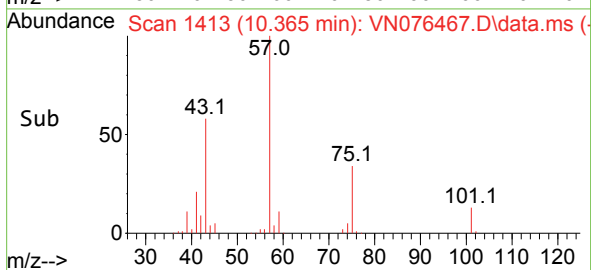
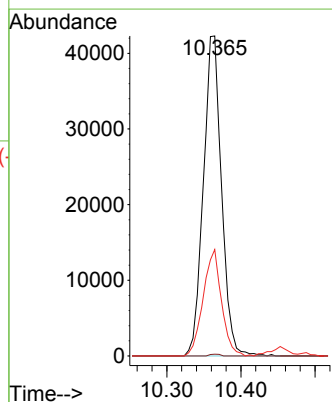
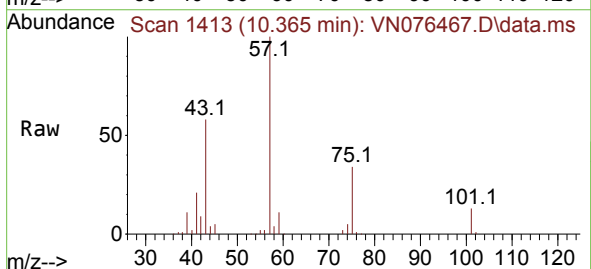
Instrument :
 MSVOA_N
 ClientSampleId :

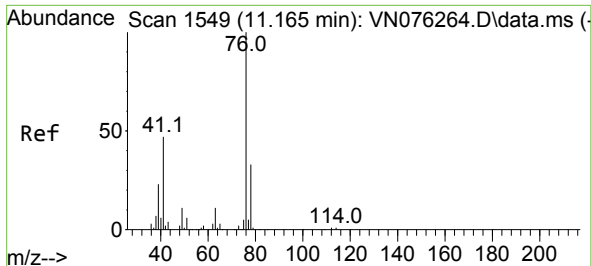
Tgt Ion: 75 Resp: 1454
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 9.573 ug/l
 RT: 10.365 min Scan# 1413
 Delta R.T. 0.053 min
 Lab File: VN076467.D
 Acq: 30 Jan 2023 19:18

Tgt Ion: 75 Resp: 72062
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.5 39.7#
 39 33.3 37.1 55.7#





#57

1,3-Dichloropropane

Concen: 1.394 ug/l

RT: 11.206 min Scan# 1556

Delta R.T. 0.041 min

Lab File: VN076467.D

Acq: 30 Jan 2023 19:18

Instrument :

MSVOA_N

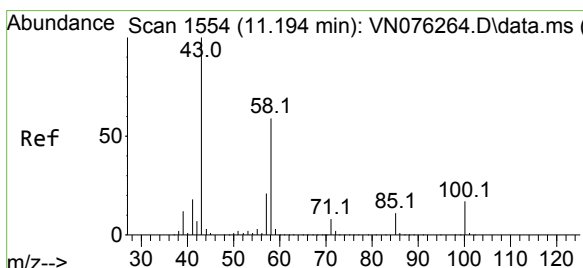
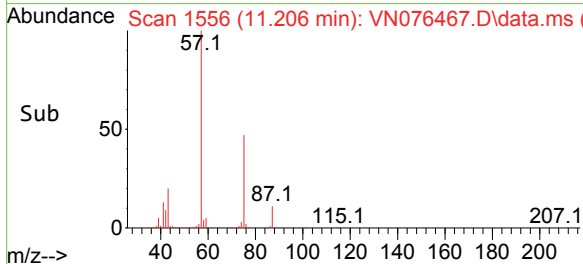
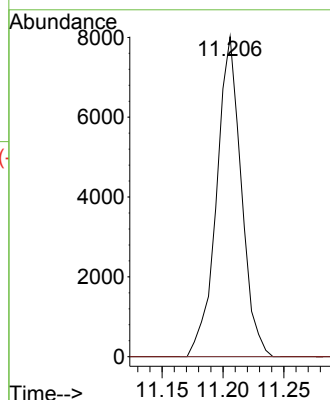
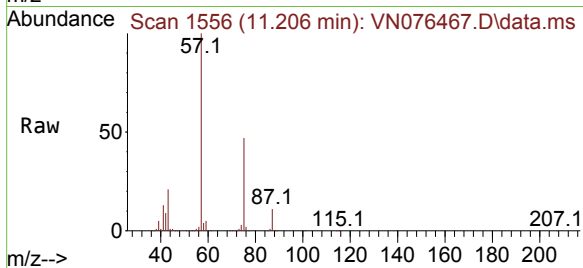
ClientSampleId :

Tgt Ion: 76 Resp: 11341

Ion Ratio Lower Upper

76 100

78 0.0 26.4 39.6#



#59

2-Hexanone

Concen: 51.912 ug/l

RT: 11.176 min Scan# 1551

Delta R.T. -0.018 min

Lab File: VN076467.D

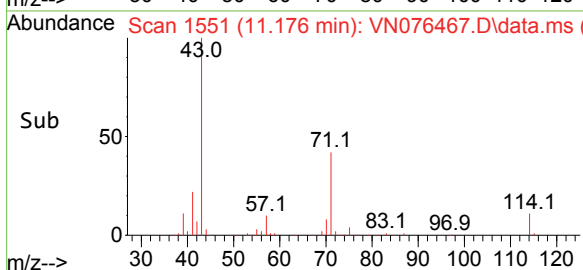
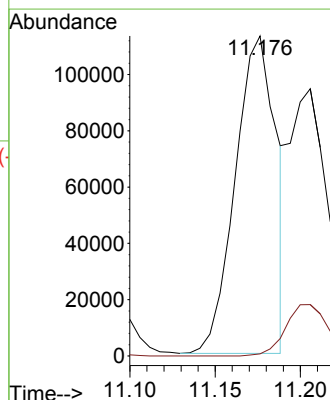
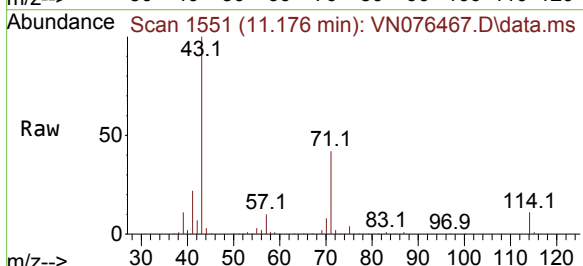
Acq: 30 Jan 2023 19:18

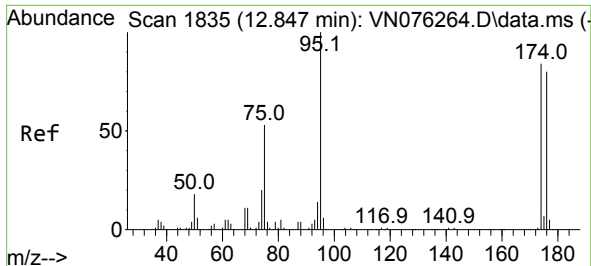
Tgt Ion: 43 Resp: 188671

Ion Ratio Lower Upper

43 100

58 0.0 30.1 90.3#

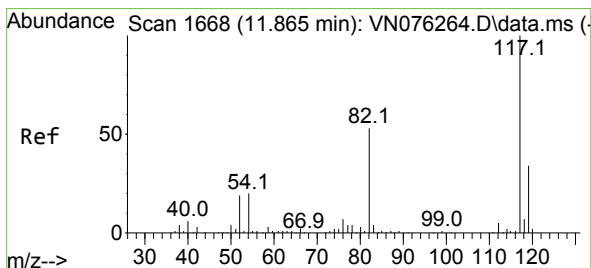
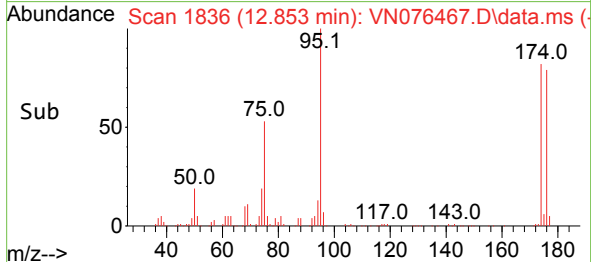
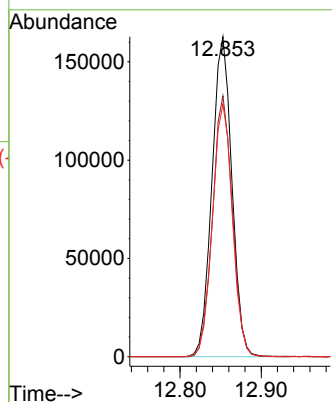
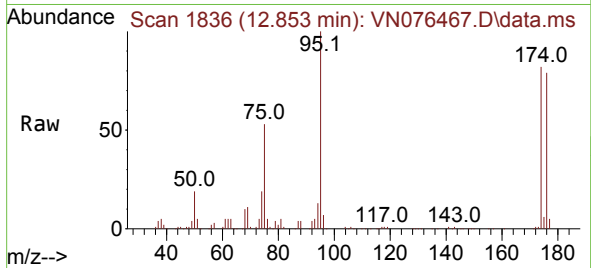




#62
4-Bromofluorobenzene
Concen: 49.843 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

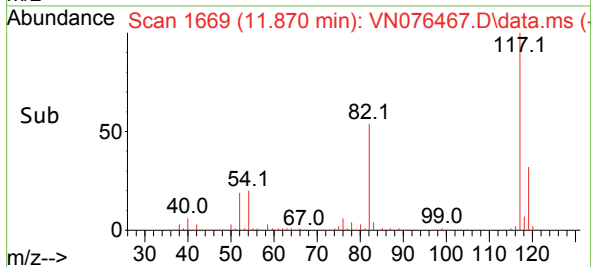
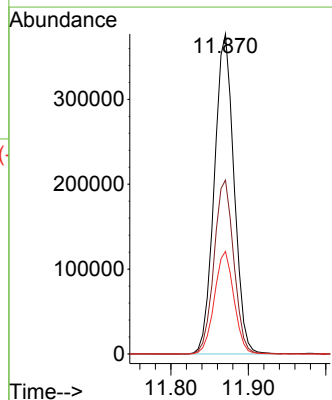
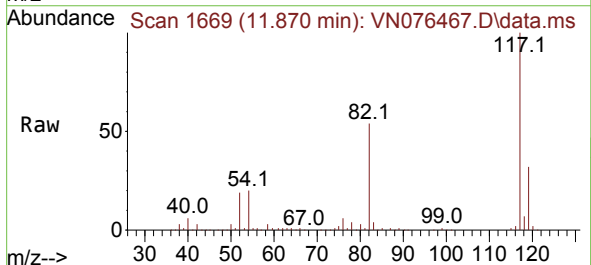
Instrument :
MSVOA_N
ClientSampleId :

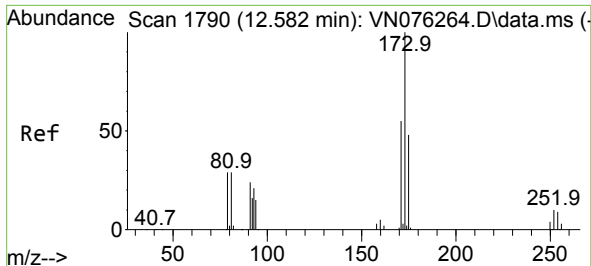
Tgt Ion: 95 Resp: 276890
Ion Ratio Lower Upper
95 100
174 81.6 0.0 174.6
176 79.0 0.0 167.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

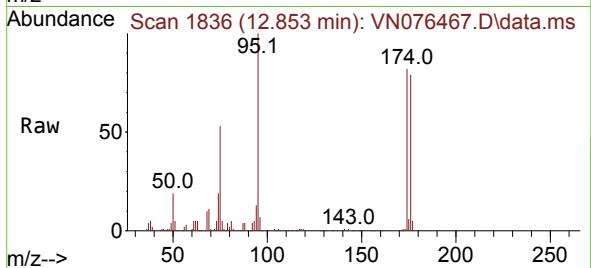
Tgt Ion: 117 Resp: 664381
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.2
119 32.0 26.9 40.3



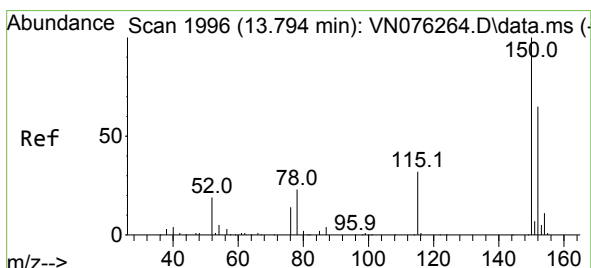
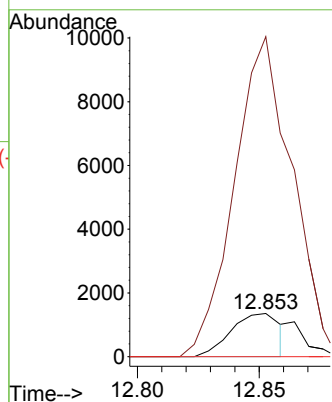
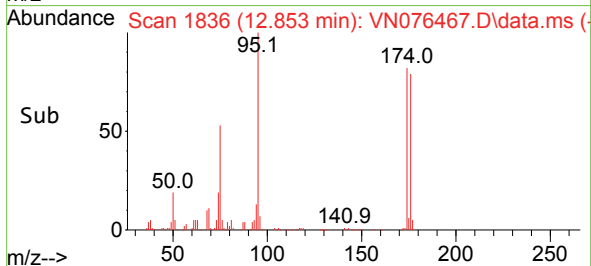


#71
Bromoform
Concen: 0.506 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

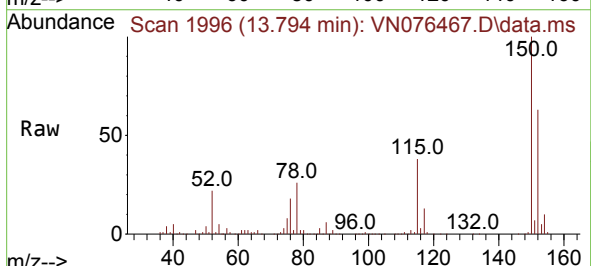
Instrument :
MSVOA_N
ClientSampleId :



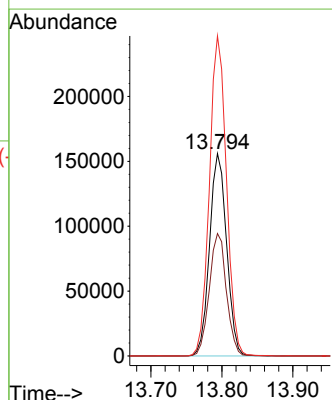
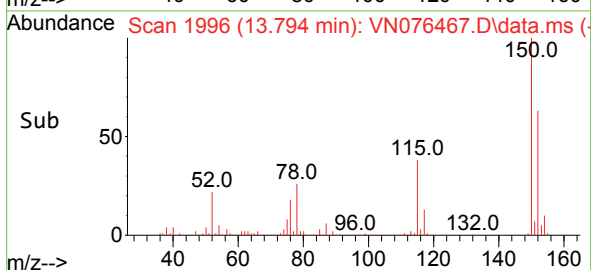
Tgt Ion:173 Resp: 1909
Ion Ratio Lower Upper
173 100
175 683.8 24.1 72.4#
254 0.0 0.0 0.0

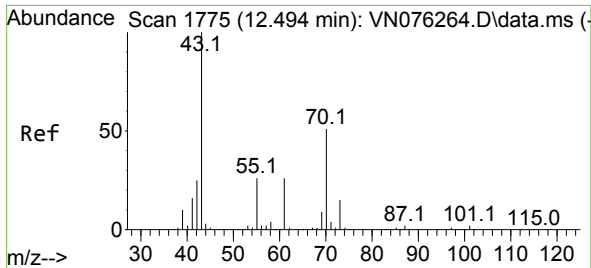


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18



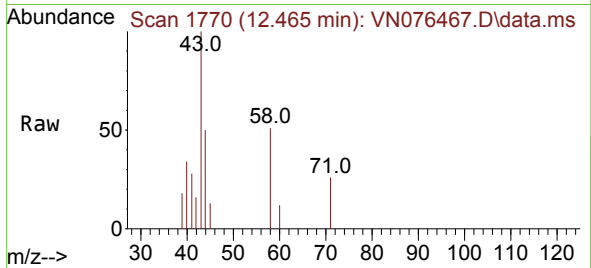
Tgt Ion:152 Resp: 260598
Ion Ratio Lower Upper
152 100
115 60.8 29.6 88.9
150 157.7 0.0 351.4



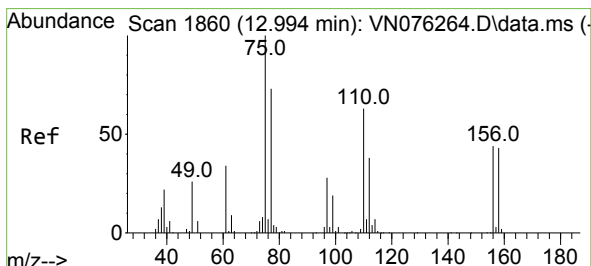
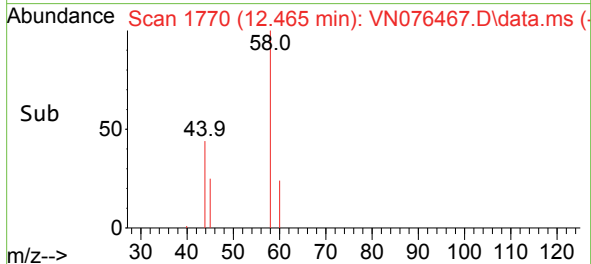
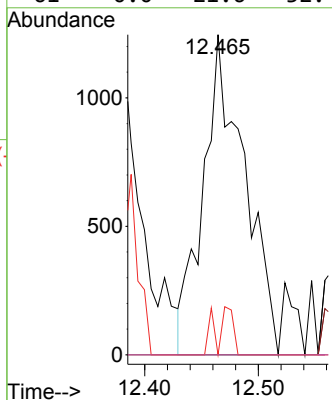


#74
N-amy1 acetate
Concen: 0.544 ug/l
RT: 12.465 min Scan# 1775
Delta R.T. -0.029 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Instrument :
MSVOA_N
ClientSampleId :

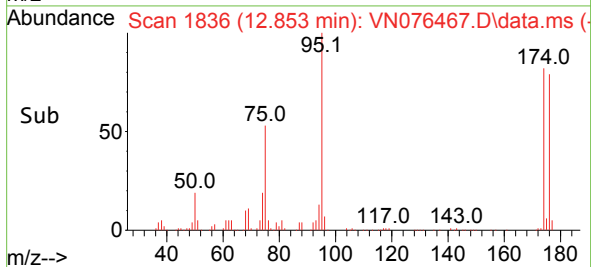
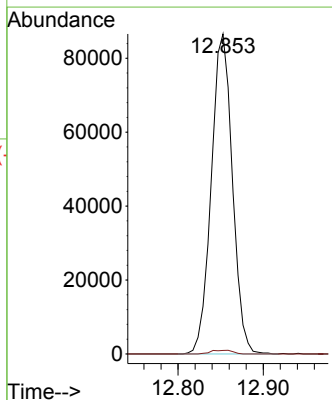
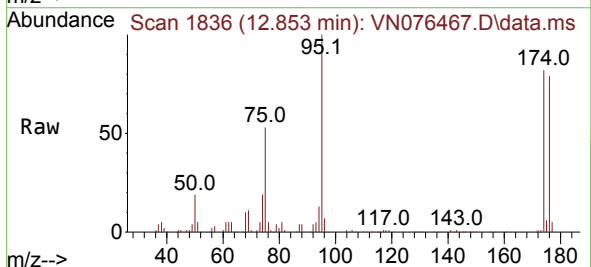


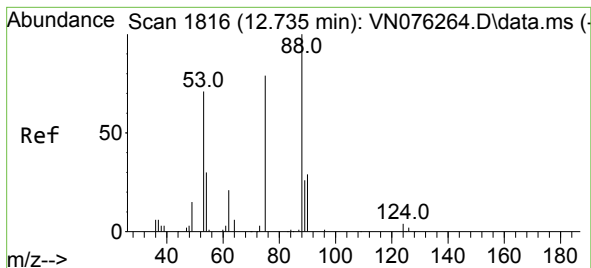
Tgt Ion: 43 Resp: 3155
Ion Ratio Lower Upper
43 100
70 0.0 41.2 61.8#
55 6.1 21.0 31.6#
61 0.0 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 31.053 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 75 Resp: 149126
Ion Ratio Lower Upper
75 100
77 1.2 75.2 225.6#

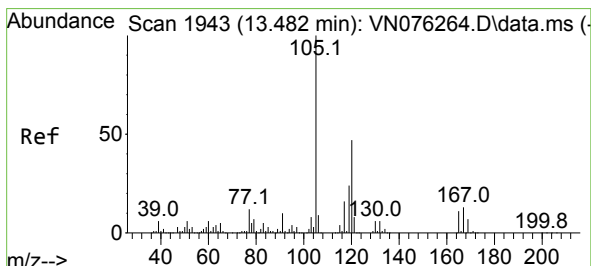
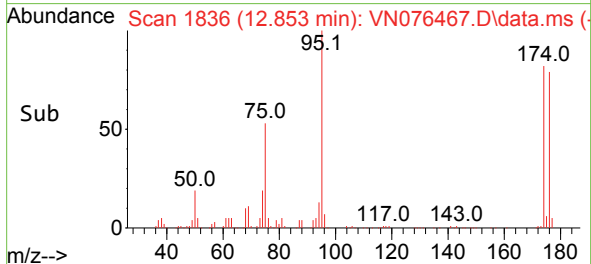
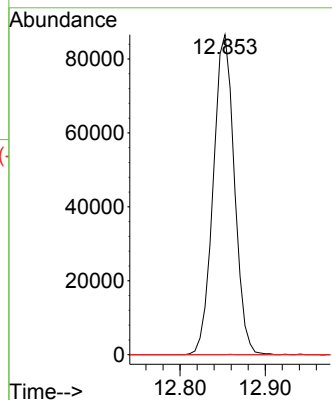
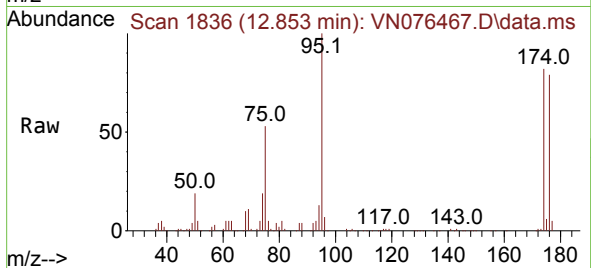




#81
trans-1,4-Dichloro-2-butene
Concen: 95.212 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

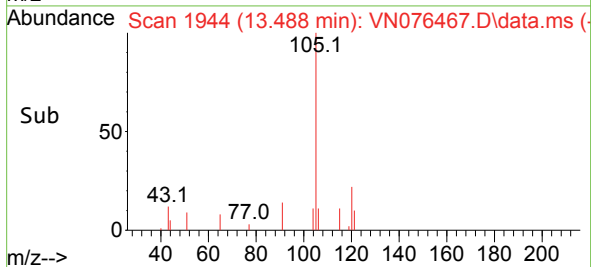
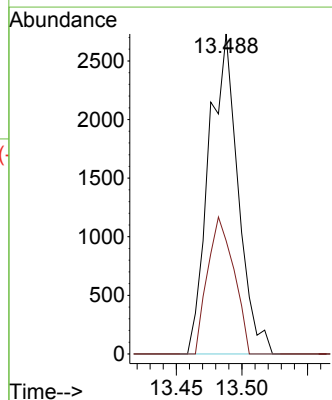
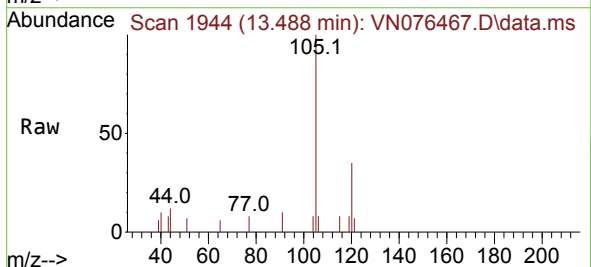
Instrument :
MSVOA_N
ClientSampleId :

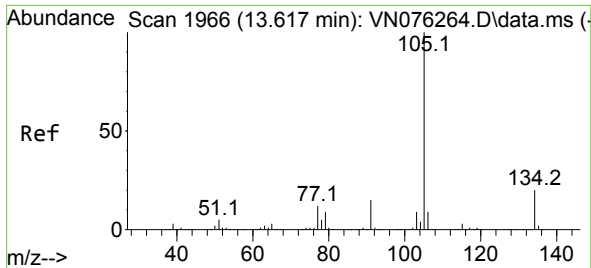
Tgt Ion: 75 Resp: 149126
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.250 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN076467.D
Acq: 30 Jan 2023 19:18

Tgt Ion: 105 Resp: 4235
Ion Ratio Lower Upper
105 100
120 38.4 22.9 68.5

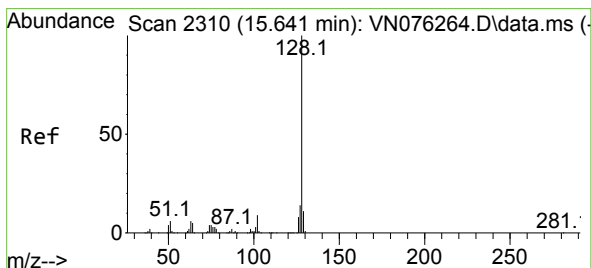
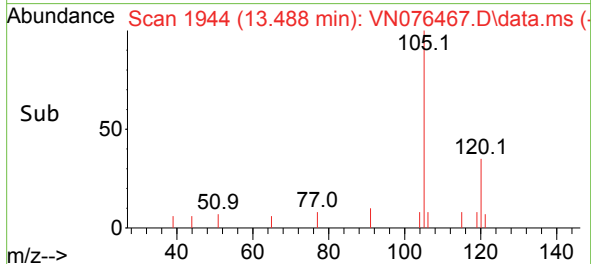
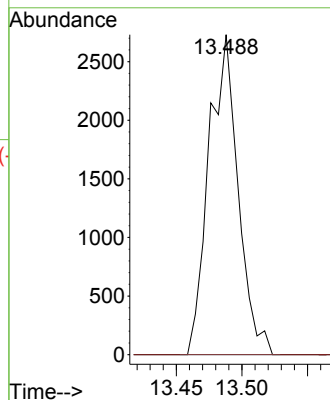
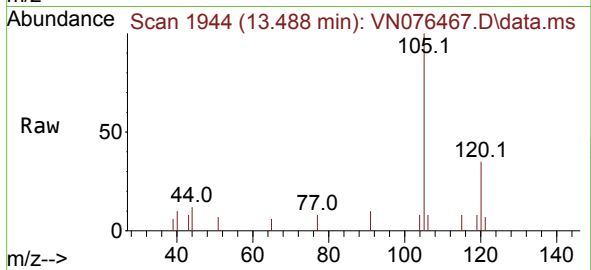




#85
 sec-Butylbenzene
 Concen: 0.203 ug/l
 RT: 13.488 min Scan# 1966
 Delta R.T. -0.129 min
 Lab File: VN076467.D
 Acq: 30 Jan 2023 19:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:105 Resp: 4235
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.8#



#95
 Naphthalene
 Concen: 7.108 ug/l
 RT: 15.641 min Scan# 2310
 Delta R.T. -0.000 min
 Lab File: VN076467.D
 Acq: 30 Jan 2023 19:18

Tgt Ion:128 Resp: 74061
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.3 15.5
 129 11.6 8.6 13.0

