

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101923\
 Data File : VN079616.D
 Acq On : 19 Oct 2023 14:02
 Operator : JC\MD
 Sample : 04920-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 01:29:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

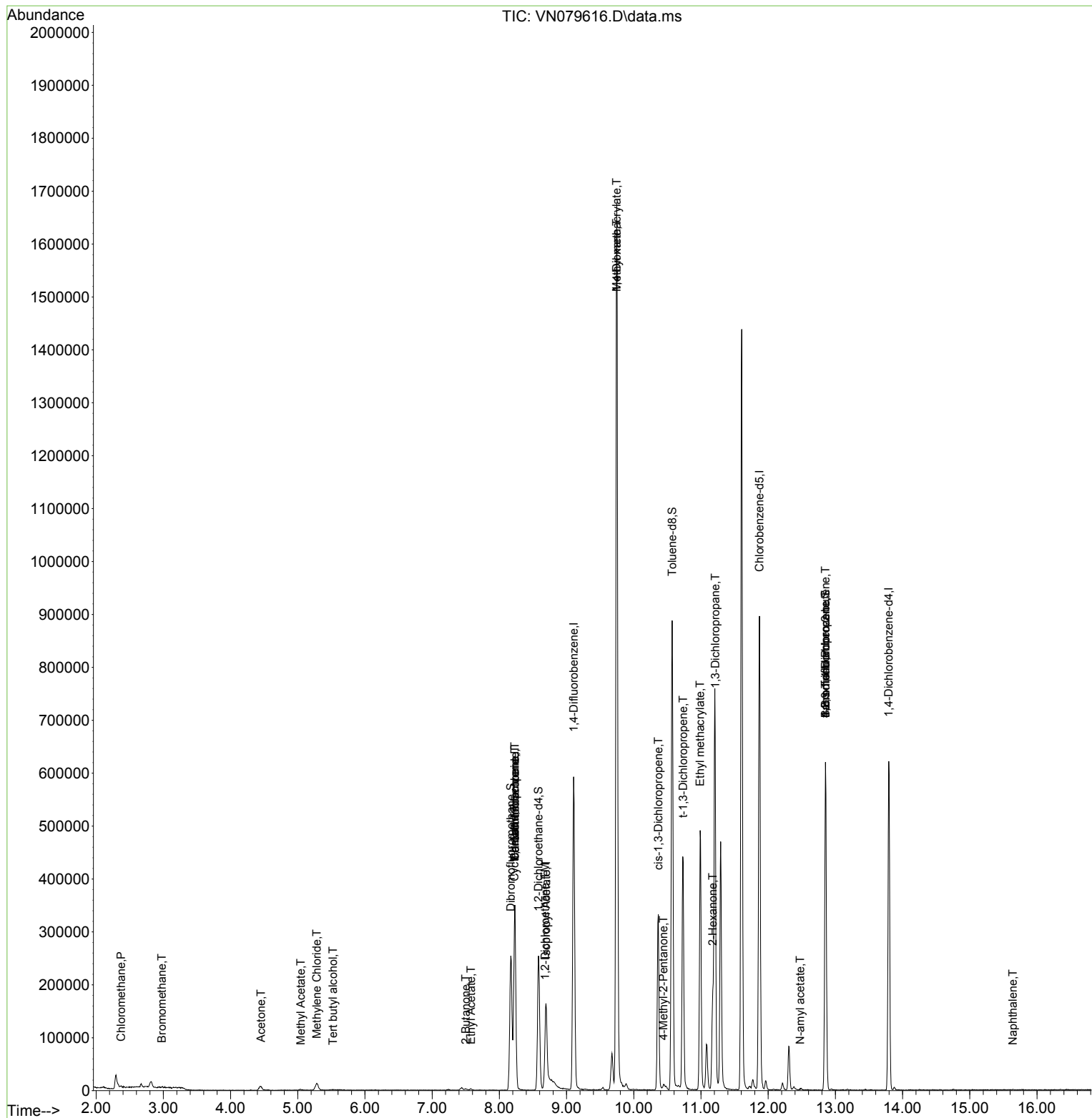
Internal Standards						
1) Pentafluorobenzene	8.230	168	241313	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	487235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	504106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	159529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	205091	52.417	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.840%	
35) Dibromofluoromethane	8.171	113	182931	52.244	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.480%	
50) Toluene-d8	10.571	98	599966	47.356	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.720%	
62) 4-Bromofluorobenzene	12.853	95	205135	50.454	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.900%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	880	0.204	ug/l #	66
5) Bromomethane	2.977	94	817	0.304	ug/l	81
11) Tert butyl alcohol	5.524	59	724	1.229	ug/l #	72
16) Acetone	4.453	43	15908	10.251	ug/l #	81
18) Methyl Acetate	5.047	43	2313	0.305	ug/l #	79
20) Methylene Chloride	5.283	84	9984	2.364	ug/l #	91
25) 2-Butanone	7.500	43	5167	2.243	ug/l #	77
31) Cyclohexane	8.224	56	6764	1.219	ug/l #	47
36) 1,1-Dichloropropene	8.230	75	21438	4.079	ug/l #	49
37) Ethyl Acetate	7.577	43	3794	0.726	ug/l #	77
38) Carbon Tetrachloride	8.230	117	26059	4.953	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	1186	0.209	ug/l #	73
43) Isopropyl Acetate	8.694	43	219722	23.984	ug/l #	73
48) Methyl methacrylate	9.747	41	156722	39.922	ug/l #	29
49) 1,4-Dioxane	9.747	88	225	3.112	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	12567	2.430	ug/l #	60
53) t-1,3-Dichloropropene	10.735	75	1201	0.218	ug/l #	44
54) cis-1,3-Dichloropropene	10.365	75	56643	9.372	ug/l #	72
56) Ethyl methacrylate	10.988	69	2675	0.528	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	7738	1.215	ug/l #	42
59) 2-Hexanone	11.176	43	131367	35.202	ug/l #	19
71) Bromoform	12.853	173	1729	0.575	ug/l #	1
74) N-amyl acetate	12.476	43	2726	0.448	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.994	83	57	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	116288	25.282	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	116288	73.357	ug/l #	15
95) Naphthalene	15.641	128	1069	0.201	ug/l #	70

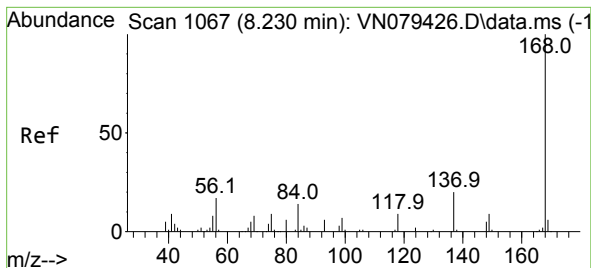
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101923\
Data File : VN079616.D
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Instrument :
MSVOA_N
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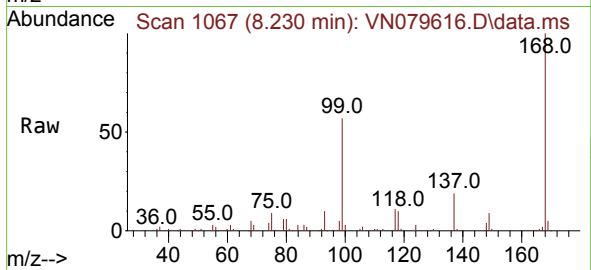
Quant Time: Oct 20 01:29:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



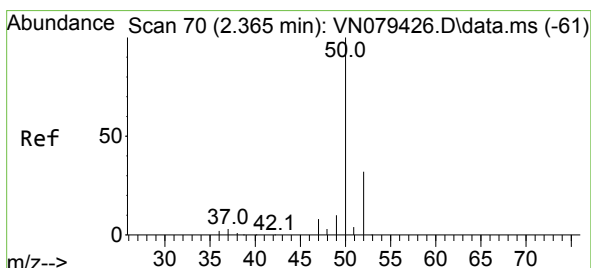
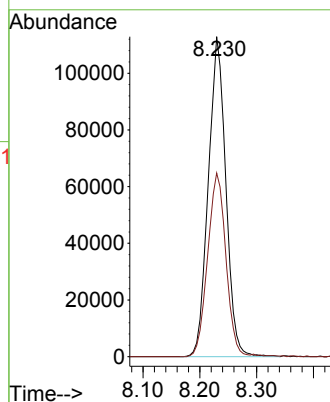
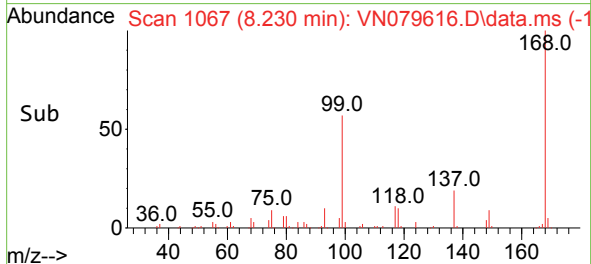


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Instrument :
MSVOA_N
ClientSampleId :

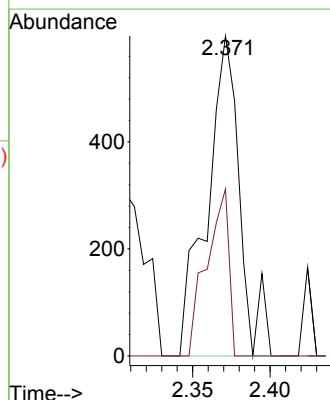
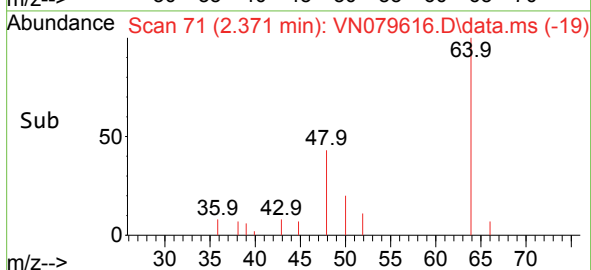
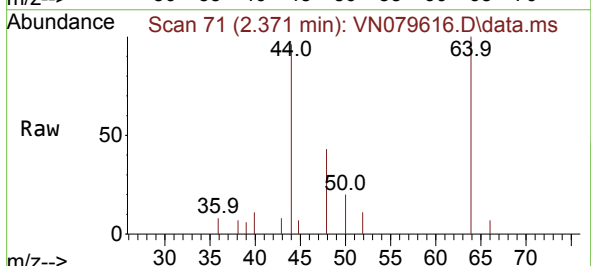


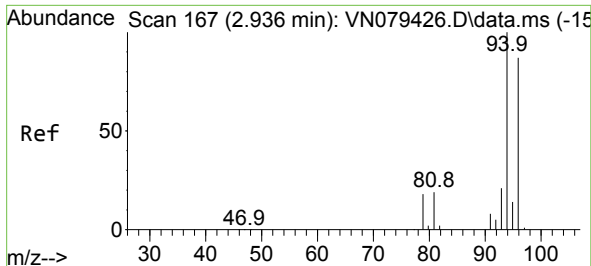
Tgt Ion:168 Resp: 241313
Ion Ratio Lower Upper
168 100
99 57.4 53.0 79.6



#3
Chloromethane
Concen: 0.204 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Tgt Ion: 50 Resp: 880
Ion Ratio Lower Upper
50 100
52 52.2 26.5 39.7#

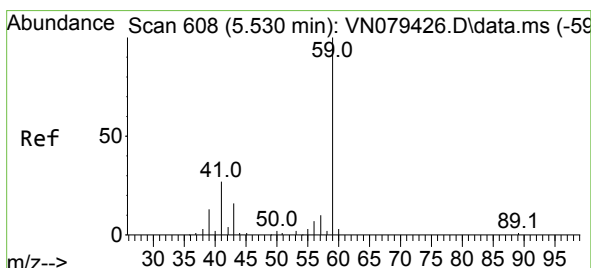
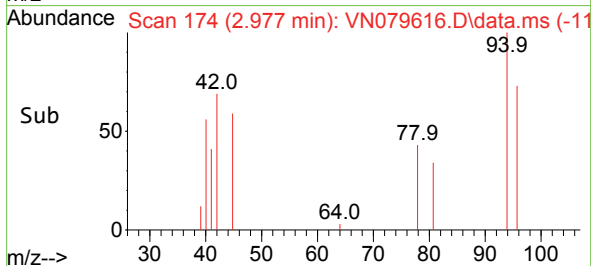
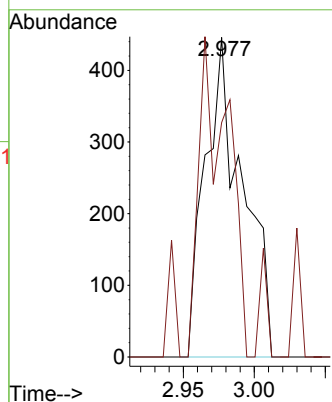
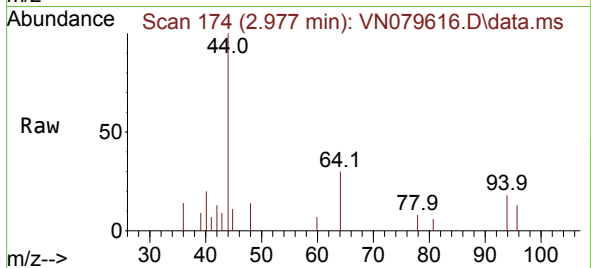




#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

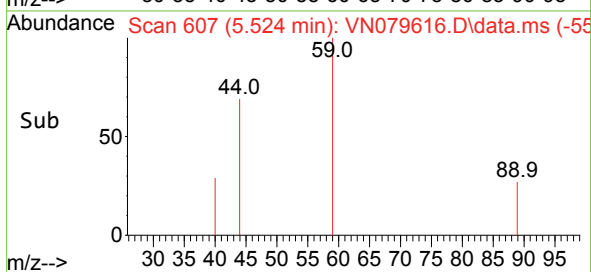
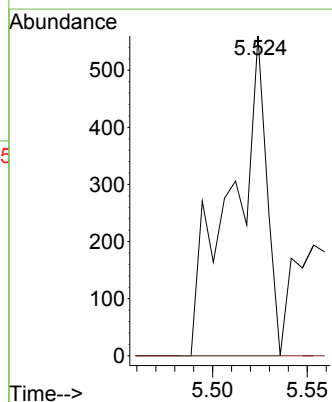
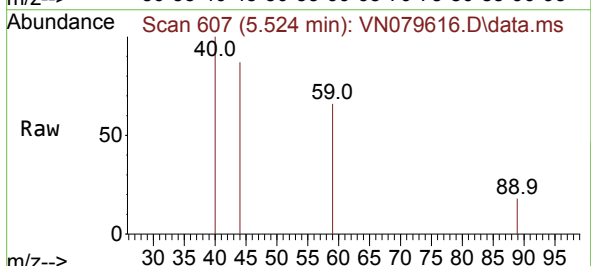
Instrument :
MSVOA_N
ClientSampleId :

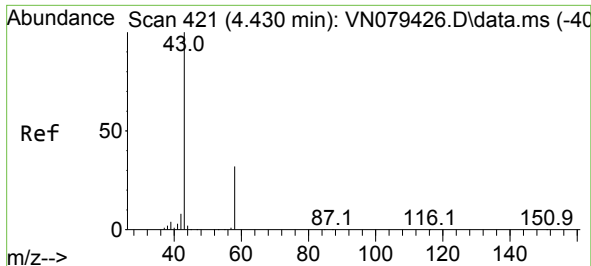
Tgt Ion: 94 Resp: 817
Ion Ratio Lower Upper
94 100
96 73.3 73.1 109.7



#11
Tert butyl alcohol
Concen: 1.229 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Tgt Ion: 59 Resp: 724
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

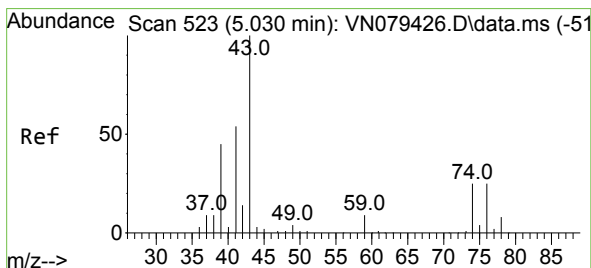
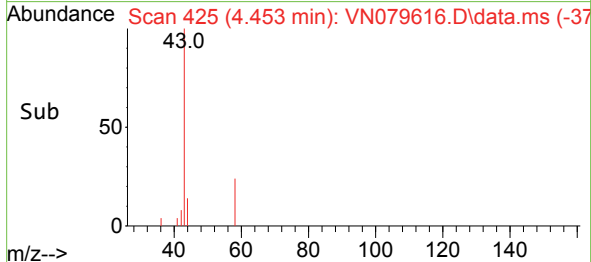
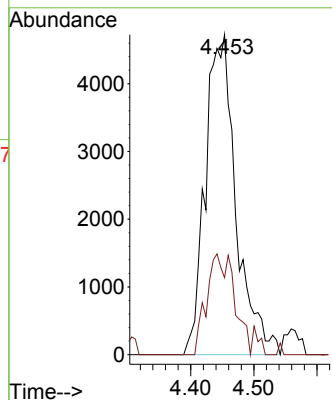
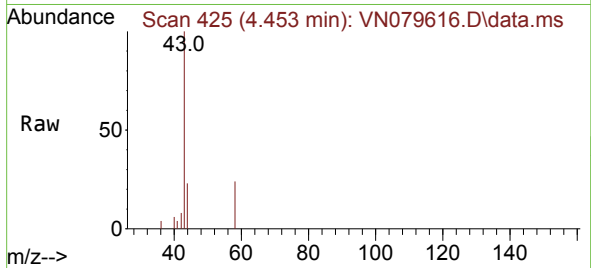




#16
Acetone
Concen: 10.251 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

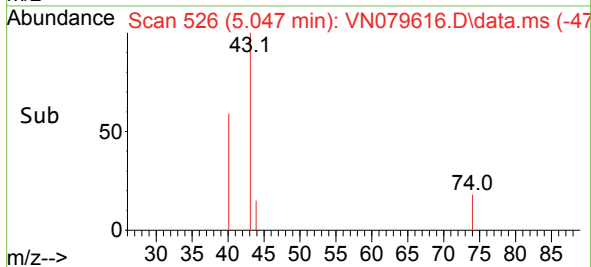
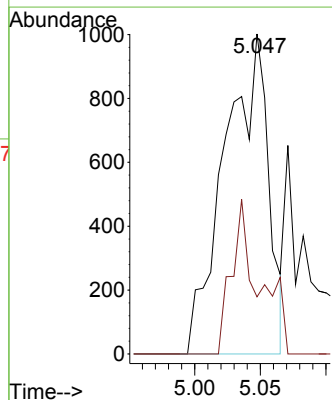
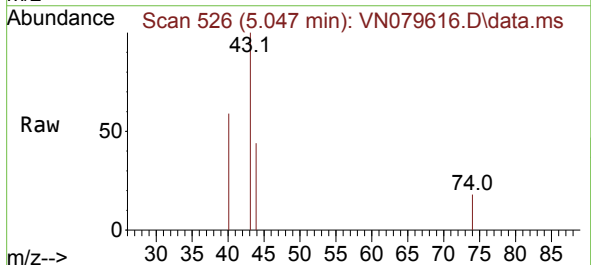
Instrument :
MSVOA_N
ClientSampleId :

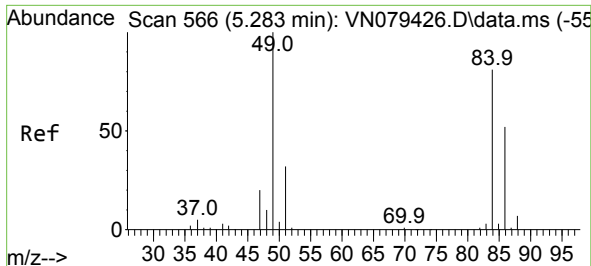
Tgt Ion: 43 Resp: 15908
Ion Ratio Lower Upper
43 100
58 24.0 28.0 42.0#



#18
Methyl Acetate
Concen: 0.305 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.018 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

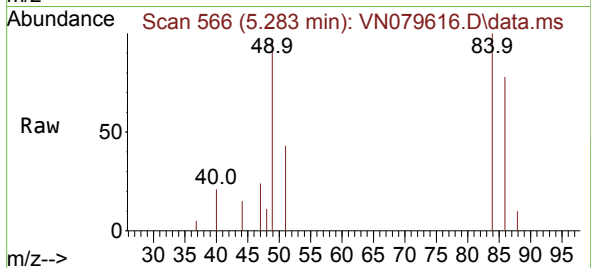
Tgt Ion: 43 Resp: 2313
Ion Ratio Lower Upper
43 100
74 21.1 26.2 39.4#



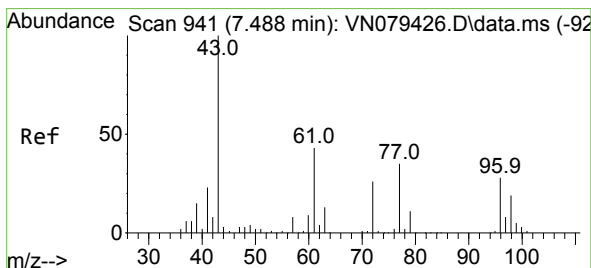
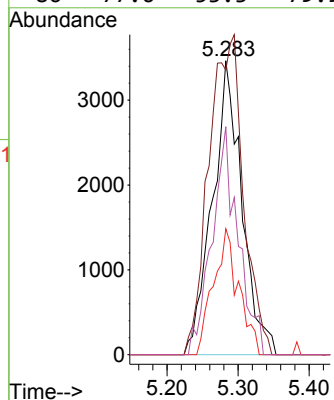


#20
Methylene Chloride
Concen: 2.364 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Instrument :
MSVOA_N
ClientSampleId :

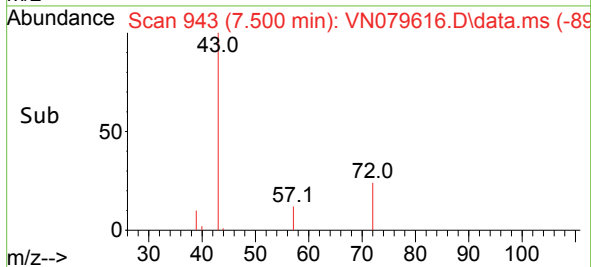
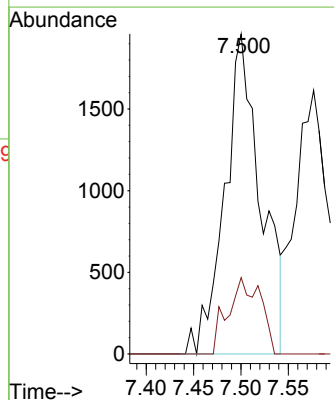
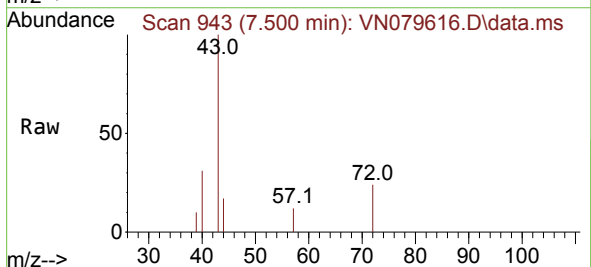


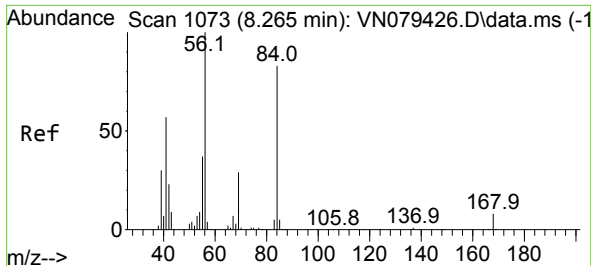
Tgt Ion: 84	Resp: 9984
Ion Ratio	Lower Upper
84 100	
49 96.9	79.7 119.5
51 42.9	25.2 37.8#
86 77.6	53.3 79.9



#25
2-Butanone
Concen: 2.243 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

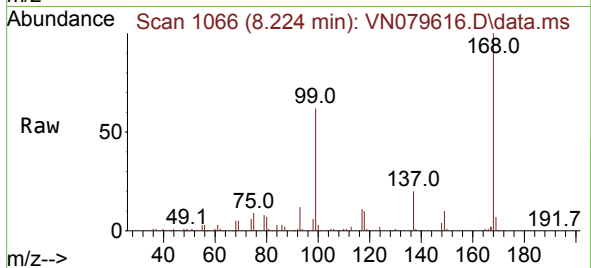
Tgt Ion: 43	Resp: 5167
Ion Ratio	Lower Upper
43 100	
72 23.8	30.2 45.2#



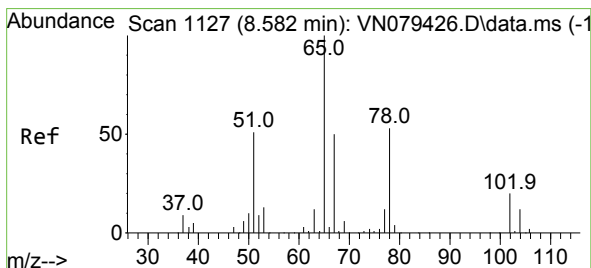
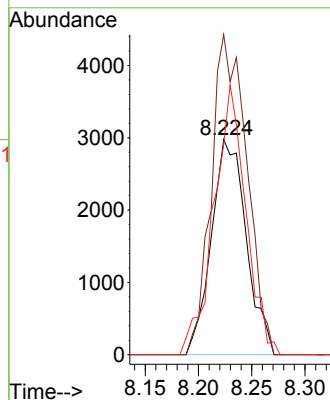
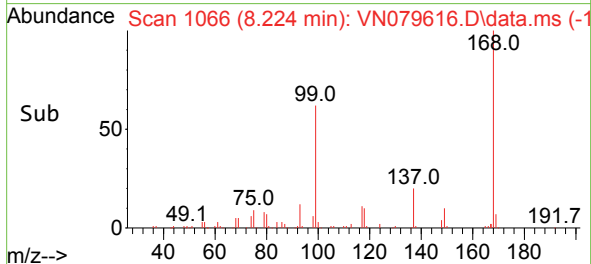


#31
Cyclohexane
Concen: 1.219 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Instrument :
MSVOA_N
ClientSampleId :

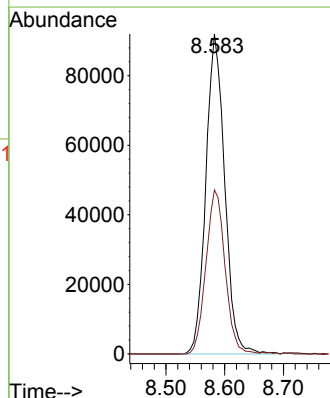
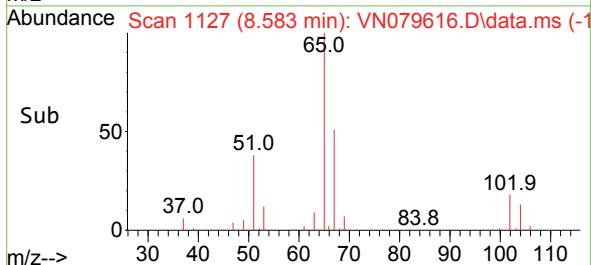
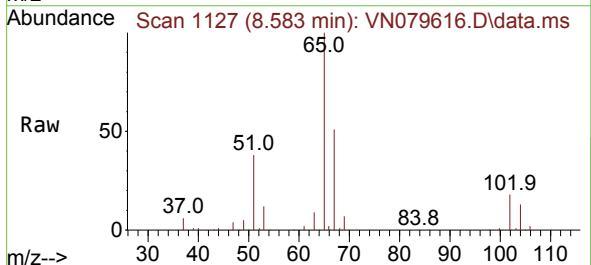


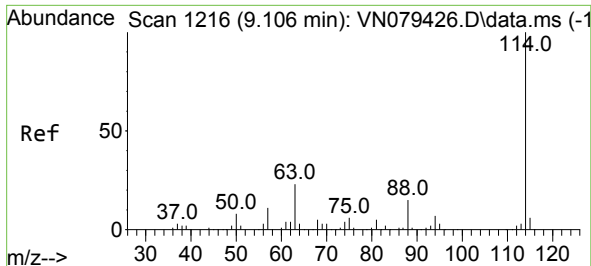
Tgt Ion: 56 Resp: 6764
Ion Ratio Lower Upper
56 100
69 148.7 26.8 40.2#
84 97.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 52.417 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Tgt Ion: 65 Resp: 205091
Ion Ratio Lower Upper
65 100
67 51.9 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

Instrument :

MSVOA_N

ClientSampleId :

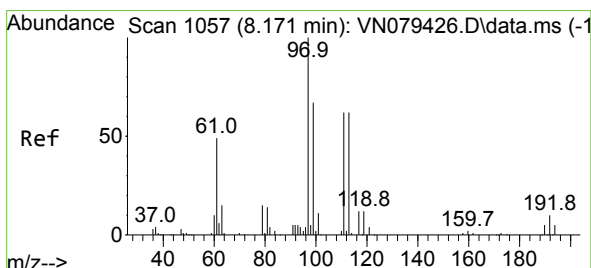
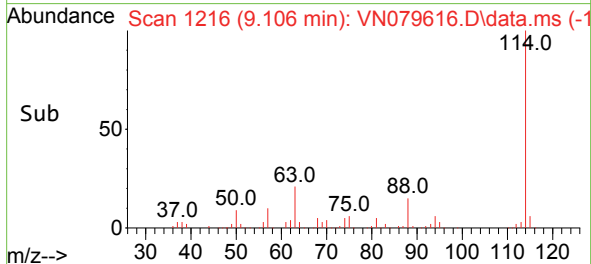
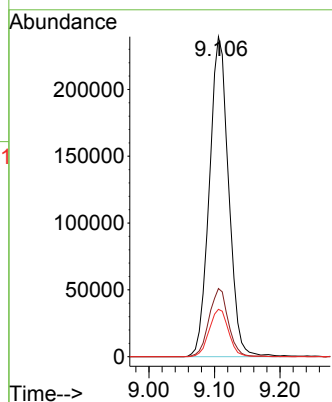
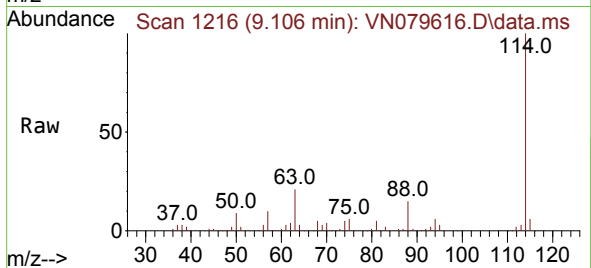
Tgt Ion:114 Resp: 487235

Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.244 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

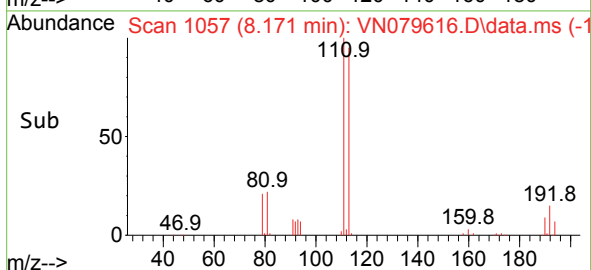
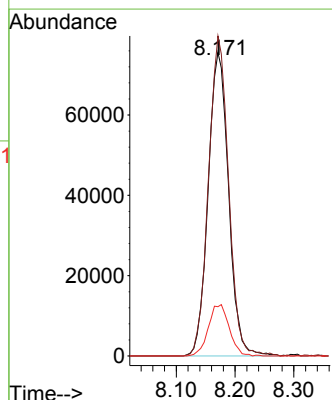
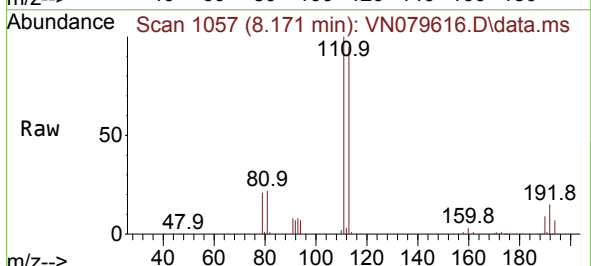
Tgt Ion:113 Resp: 182931

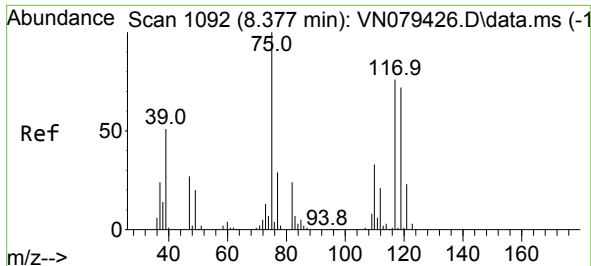
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 17.3 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.079 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.147 min

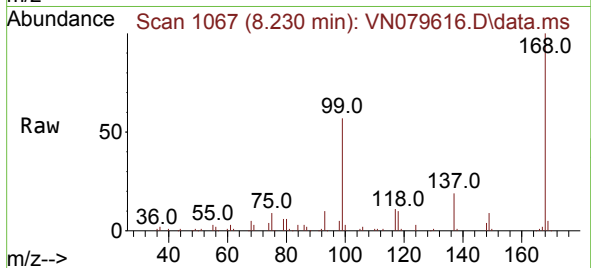
Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

Instrument :

MSVOA_N

ClientSampleId :



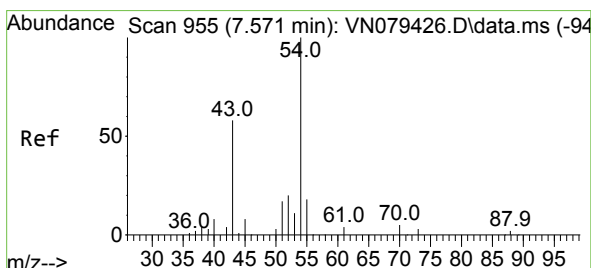
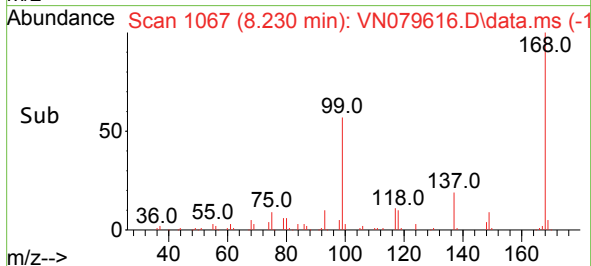
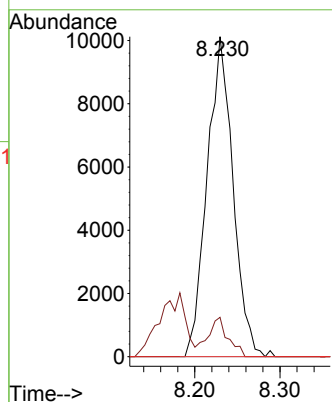
Tgt Ion: 75 Resp: 21438

Ion Ratio Lower Upper

75 100

110 9.6 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 0.726 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

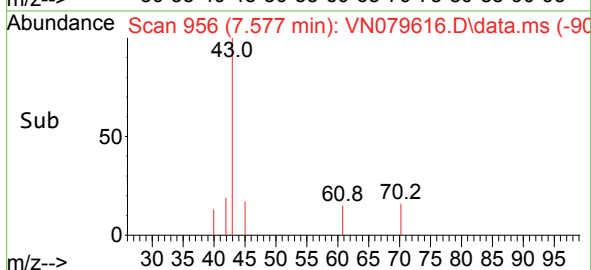
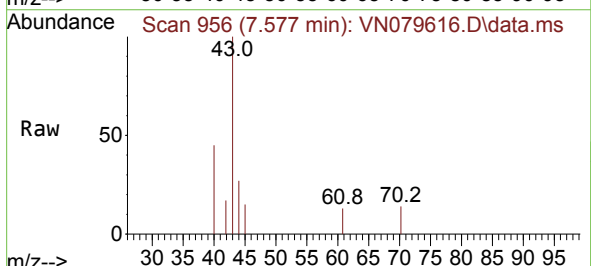
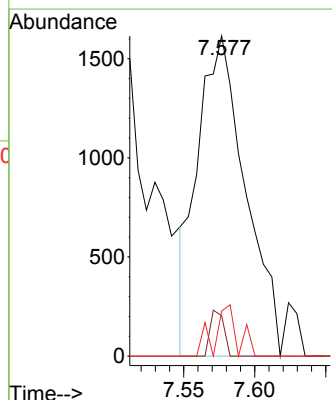
Tgt Ion: 43 Resp: 3794

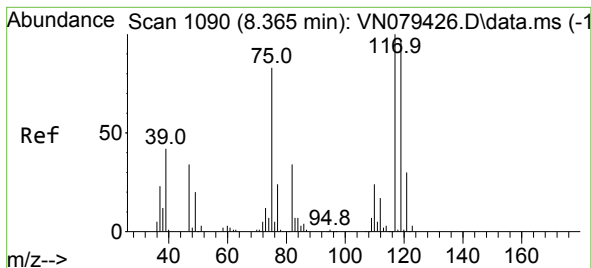
Ion Ratio Lower Upper

43 100

61 4.0 13.2 19.8#

70 7.6 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.953 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

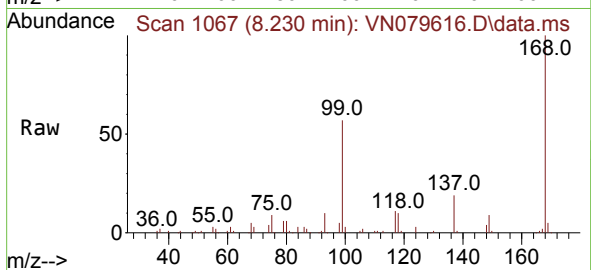
Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

Instrument :

MSVOA_N

ClientSampleId :



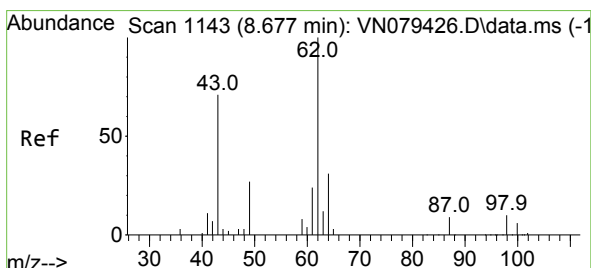
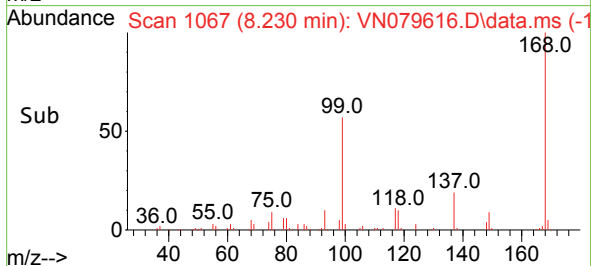
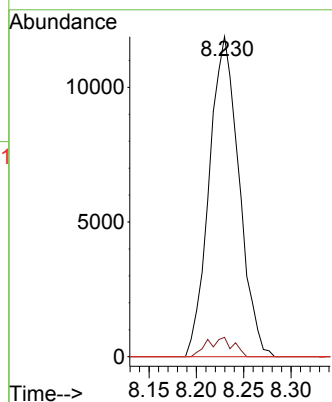
Tgt Ion:117 Resp: 26059

Ion Ratio Lower Upper

117 100

119 6.0 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.209 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.006 min

Lab File: VN079616.D

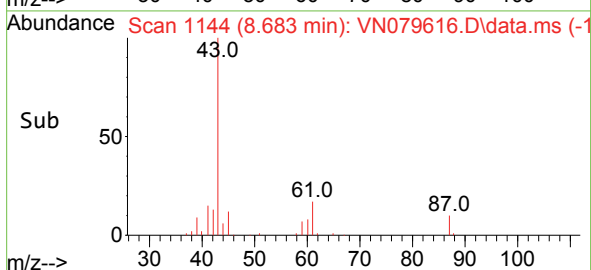
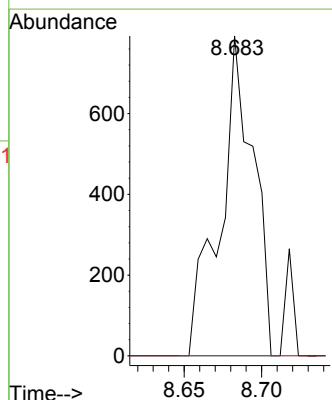
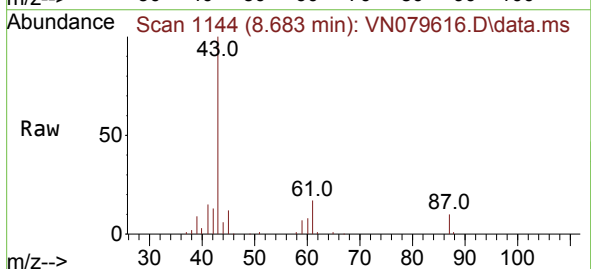
Acq: 19 Oct 2023 14:02

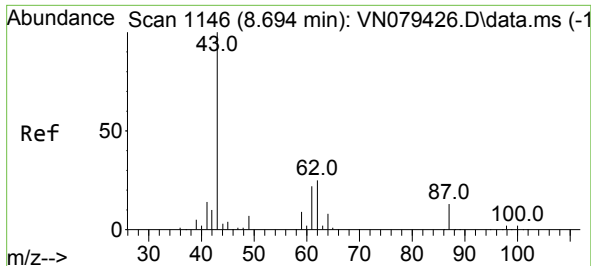
Tgt Ion: 62 Resp: 1186

Ion Ratio Lower Upper

62 100

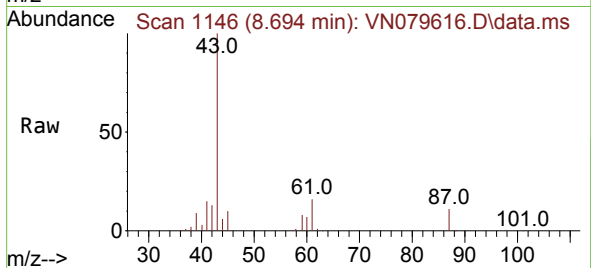
98 0.0 0.0 19.8



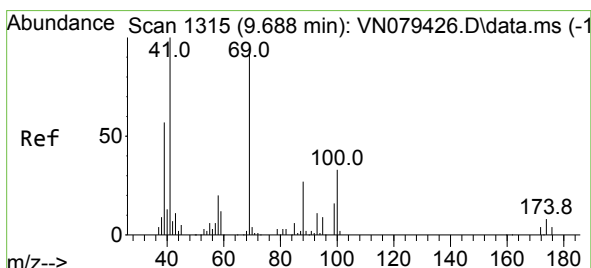
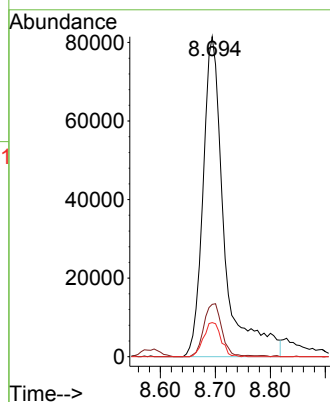
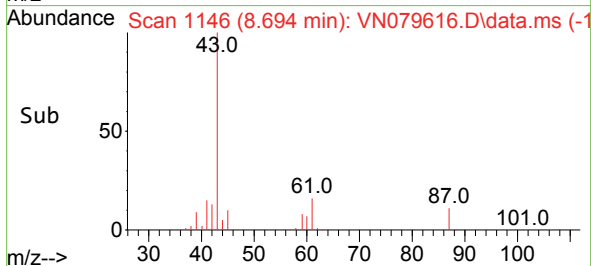


#43
Isopropyl Acetate
Concen: 23.984 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Instrument :
MSVOA_N
ClientSampleId :

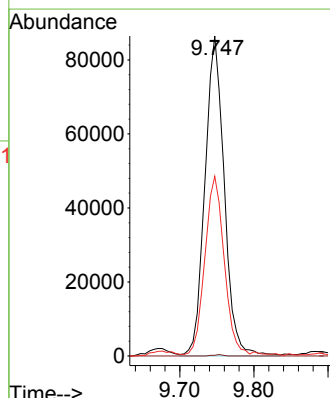
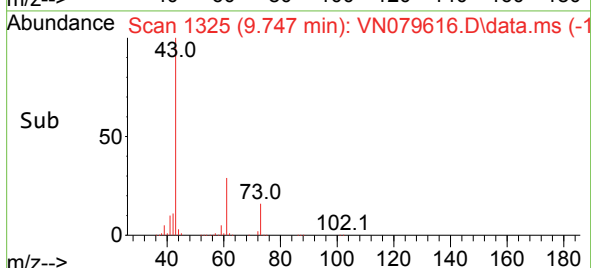
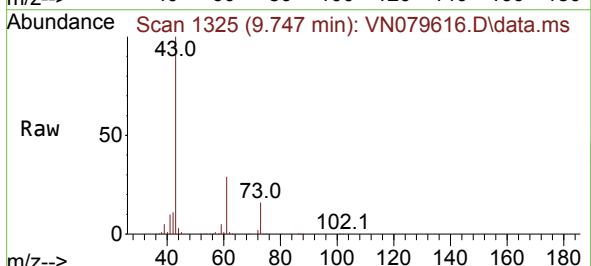


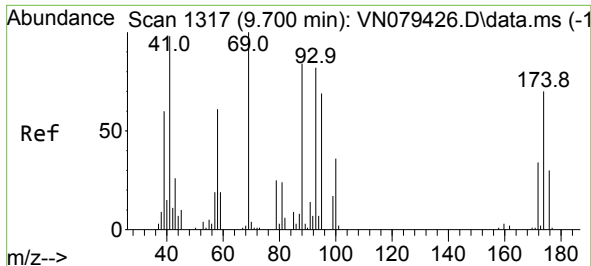
Tgt Ion: 43 Resp: 219722
Ion Ratio Lower Upper
43 100
61 14.1 24.7 37.1#
87 8.7 14.6 21.8#



#48
Methyl methacrylate
Concen: 39.922 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Tgt Ion: 41 Resp: 156722
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 57.3 54.6 81.8





#49

1,4-Dioxane

Concen: 3.112 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.047 min

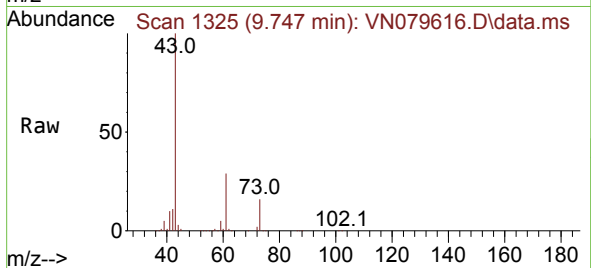
Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

Instrument :

MSVOA_N

ClientSampleId :



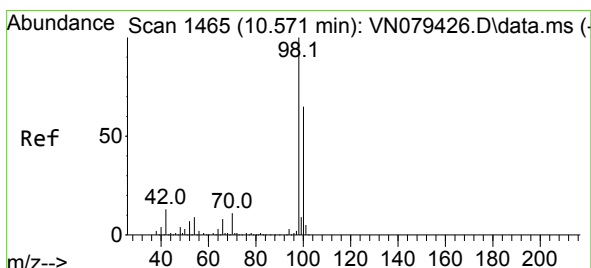
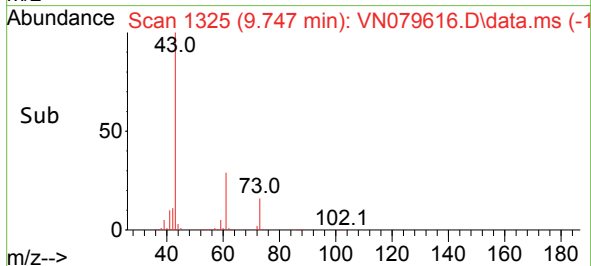
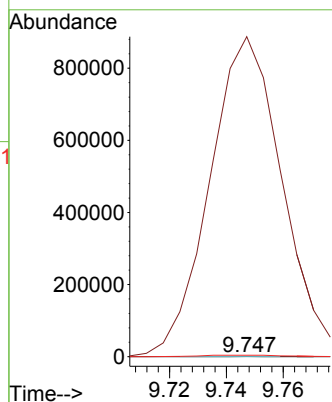
Tgt Ion: 88 Resp: 225

Ion Ratio Lower Upper

88 100

43 713474.2 17.0 25.6#

58 3916.0 47.0 70.4#



#50

Toluene-d8

Concen: 47.356 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079616.D

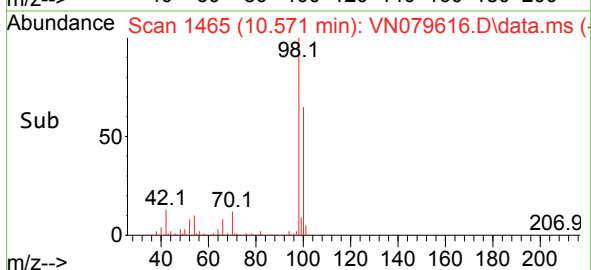
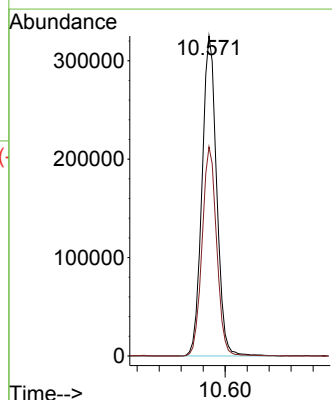
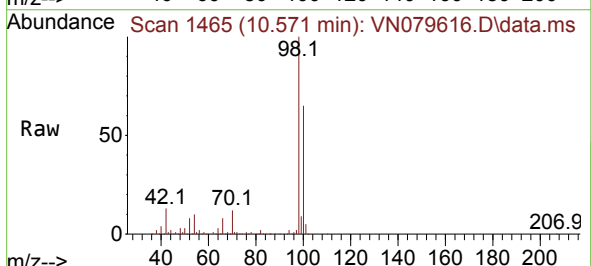
Acq: 19 Oct 2023 14:02

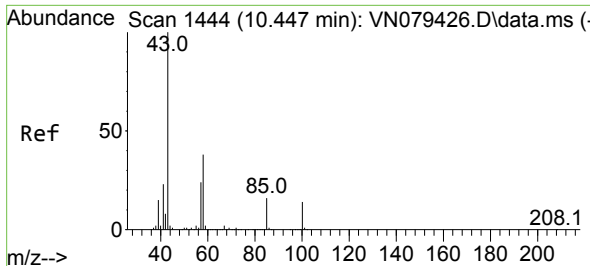
Tgt Ion: 98 Resp: 599966

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.430 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.006 min

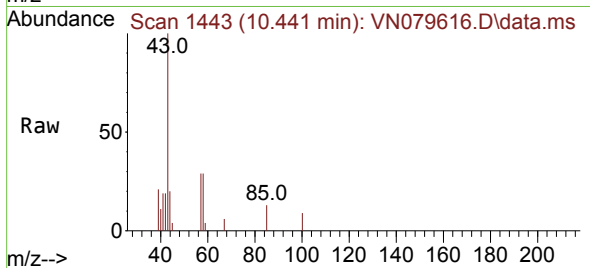
Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

Instrument :

MSVOA_N

ClientSampleId :

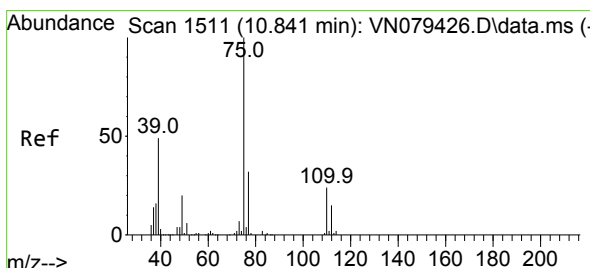
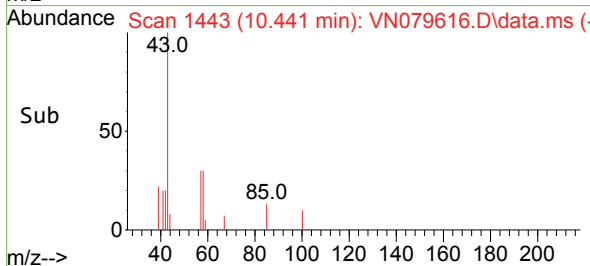
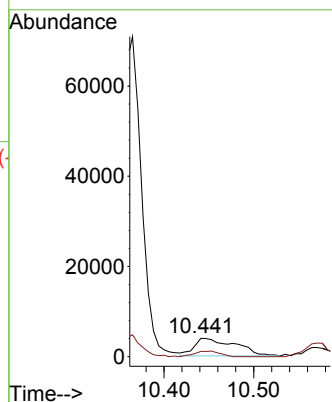


Tgt Ion: 43 Resp: 12567

Ion Ratio Lower Upper

43 100

58 19.3 36.6 54.8#



#53

t-1,3-Dichloropropene

Concen: 0.218 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.106 min

Lab File: VN079616.D

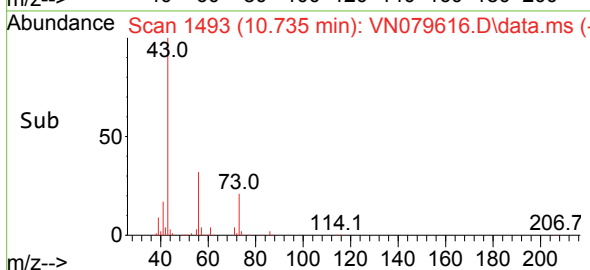
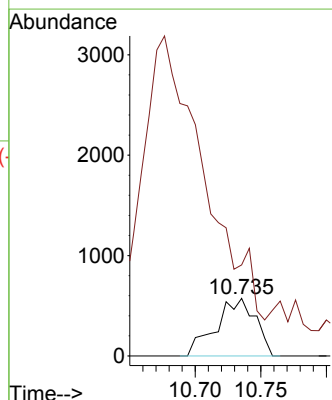
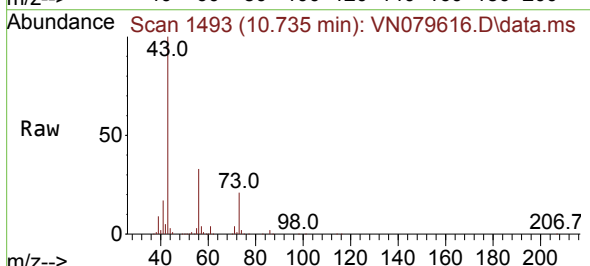
Acq: 19 Oct 2023 14:02

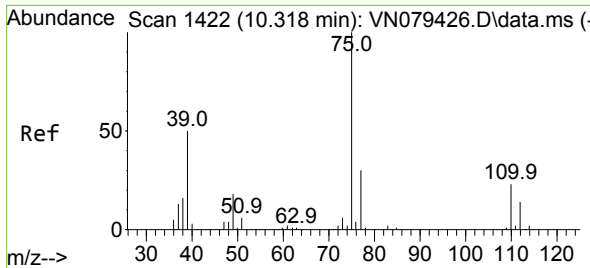
Tgt Ion: 75 Resp: 1201

Ion Ratio Lower Upper

75 100

77 63.0 25.4 38.0#

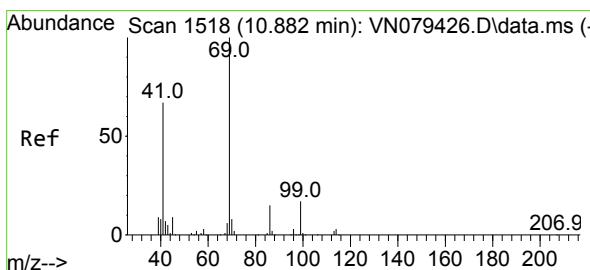
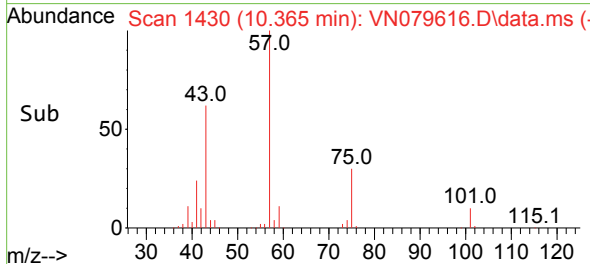
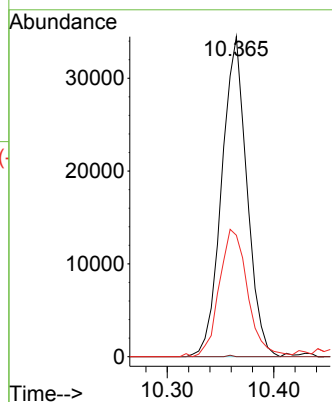
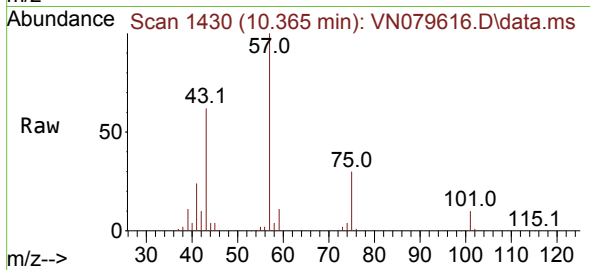




#54
 cis-1,3-Dichloropropene
 Concen: 9.372 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079616.D
 Acq: 19 Oct 2023 14:02

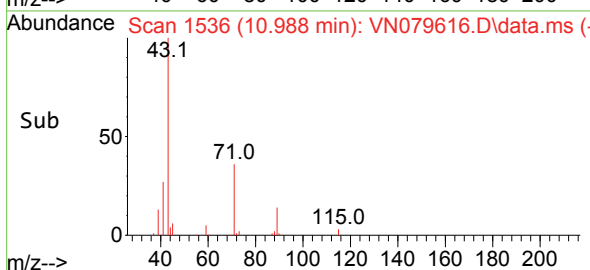
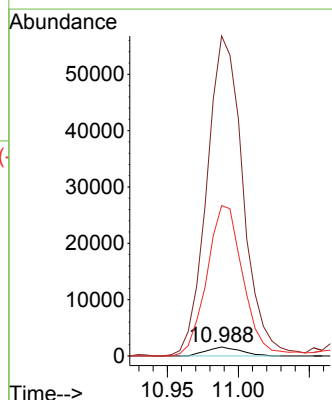
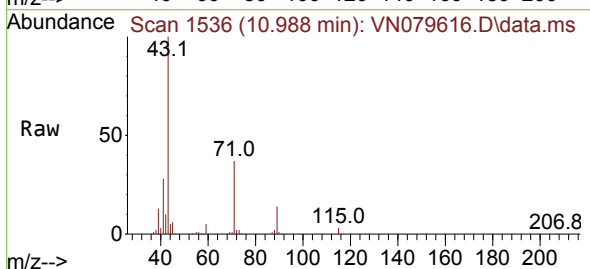
Instrument :
 MSVOA_N
 ClientSampleId :

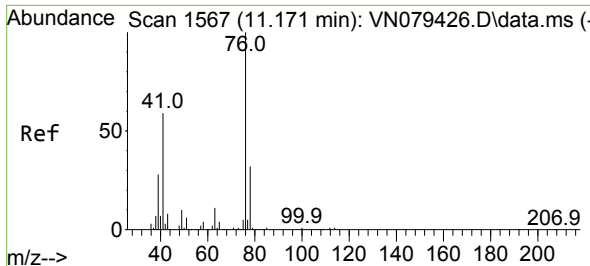
Tgt Ion: 75 Resp: 56643
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 37.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.528 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079616.D
 Acq: 19 Oct 2023 14:02

Tgt Ion: 69 Resp: 2675
 Ion Ratio Lower Upper
 69 100
 41 3772.2 39.6 59.4#
 39 1778.9 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.215 ug/l

RT: 11.212 min Scan# 11

Delta R.T. 0.041 min

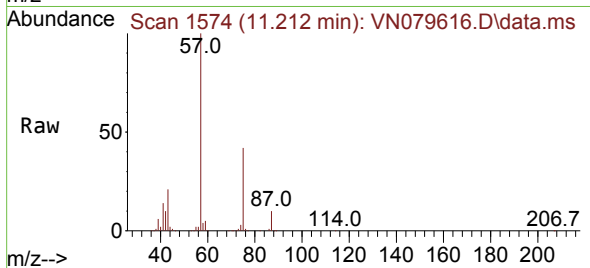
Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

Instrument :

MSVOA_N

ClientSampleId :

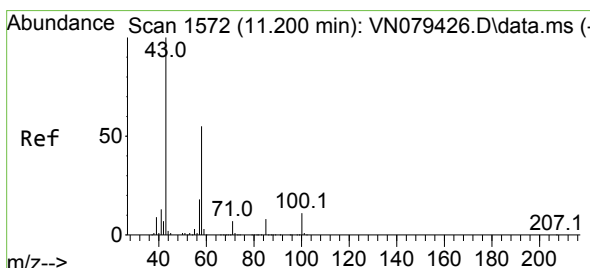
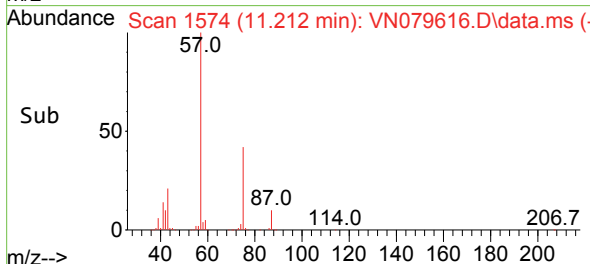
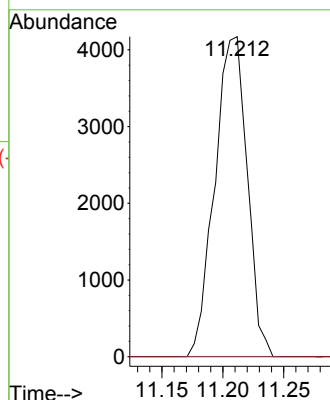


Tgt Ion: 76 Resp: 7738

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 35.202 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079616.D

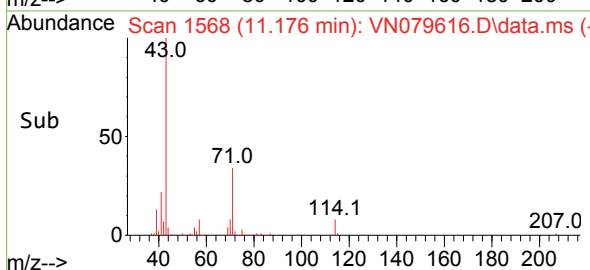
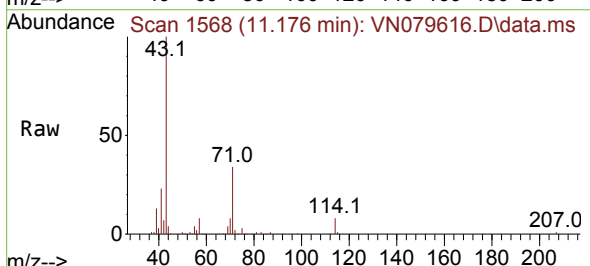
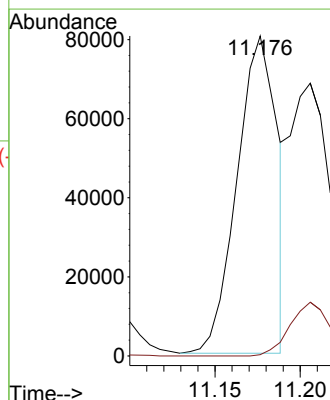
Acq: 19 Oct 2023 14:02

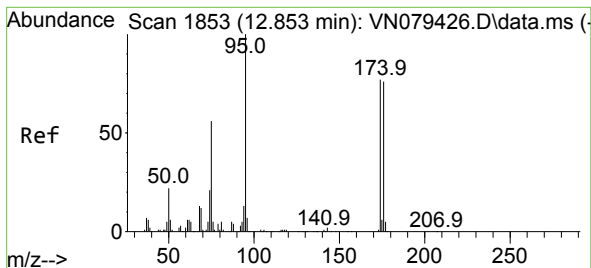
Tgt Ion: 43 Resp: 131367

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

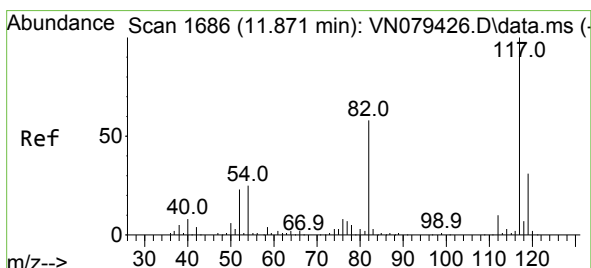
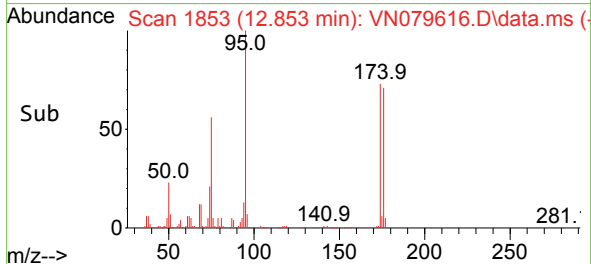
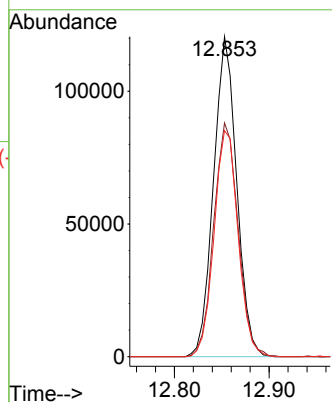
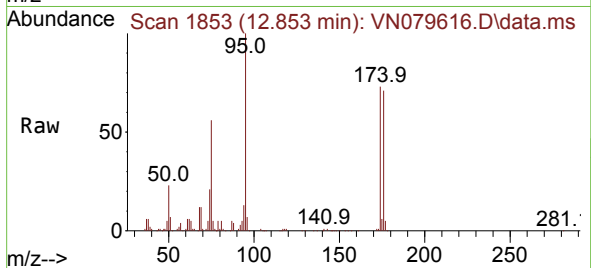




#62
4-Bromofluorobenzene
Concen: 50.454 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

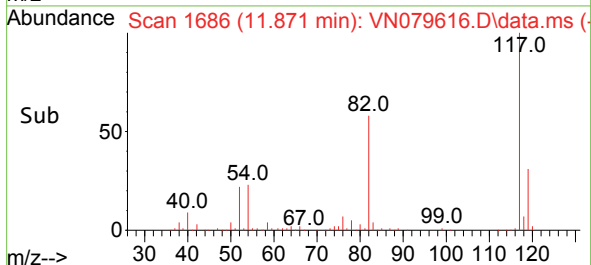
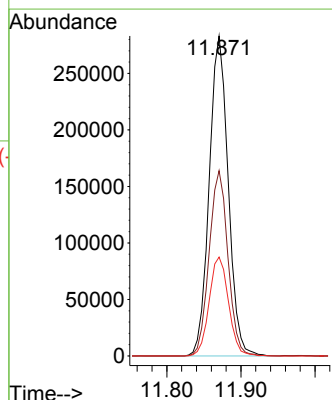
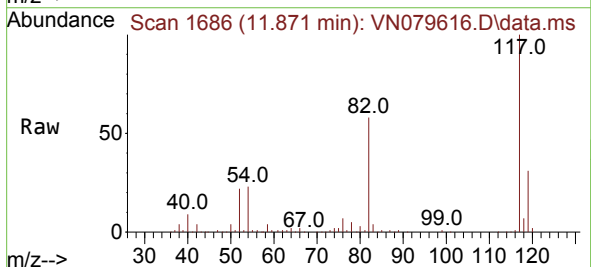
Instrument :
MSVOA_N
ClientSampleId :

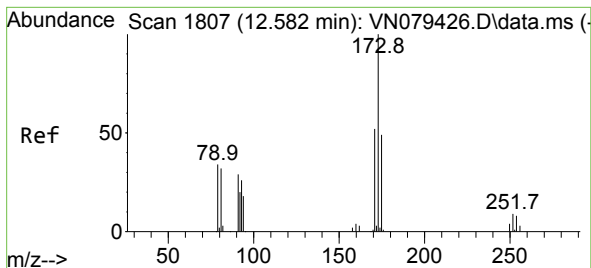
Tgt Ion: 95 Resp: 205135
Ion Ratio Lower Upper
95 100
174 76.8 0.0 143.8
176 73.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Tgt Ion: 117 Resp: 504106
Ion Ratio Lower Upper
117 100
82 57.9 44.0 66.0
119 30.9 25.6 38.4





#71

Bromoform

Concen: 0.575 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

Instrument :

MSVOA_N

ClientSampleId :

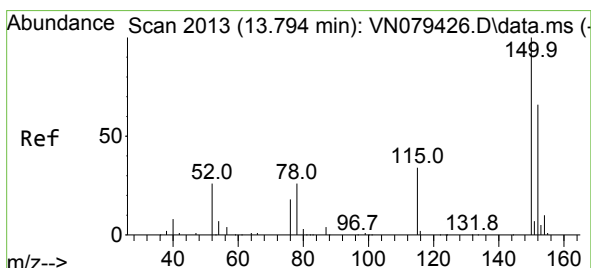
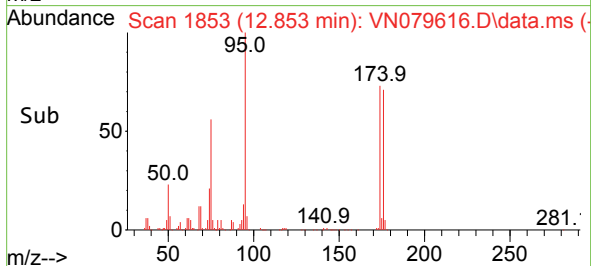
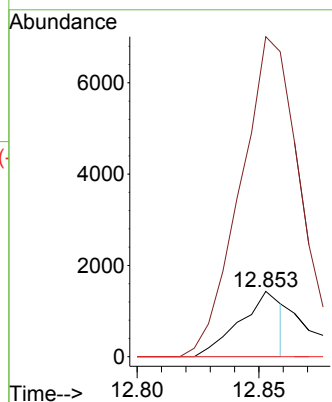
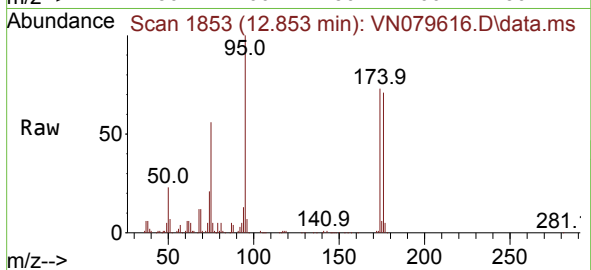
Tgt Ion:173 Resp: 1729

Ion Ratio Lower Upper

173 100

175 507.5 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079616.D

Acq: 19 Oct 2023 14:02

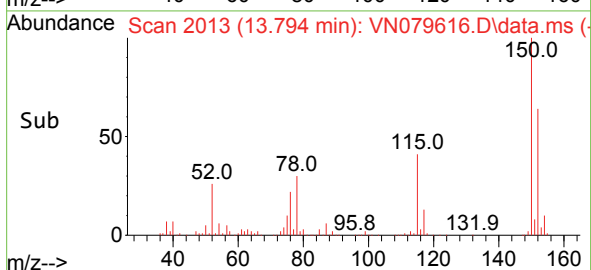
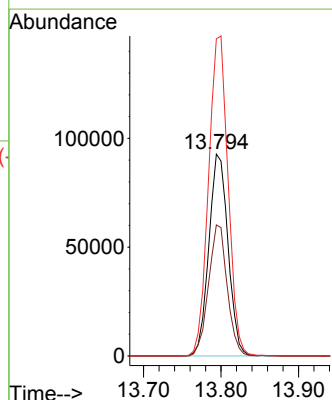
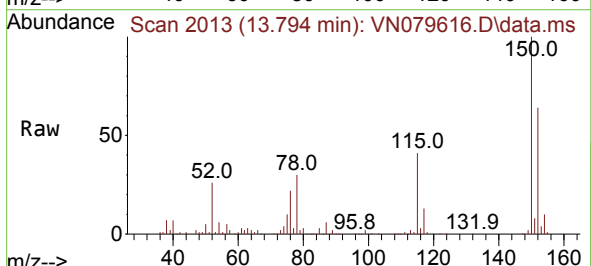
Tgt Ion:152 Resp: 159529

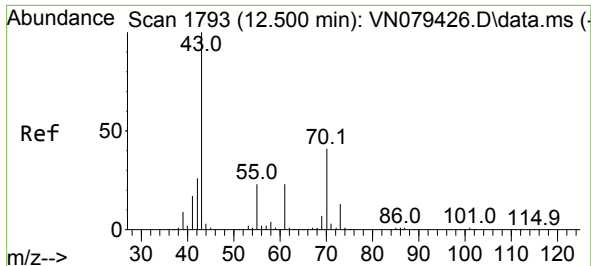
Ion Ratio Lower Upper

152 100

115 63.2 32.3 96.8

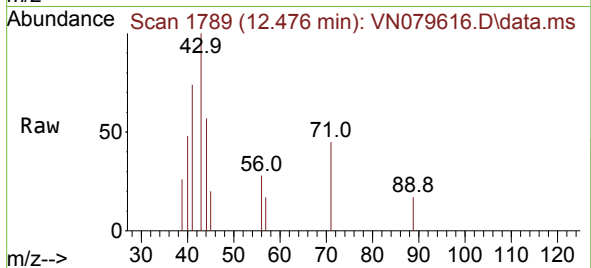
150 161.0 0.0 355.8



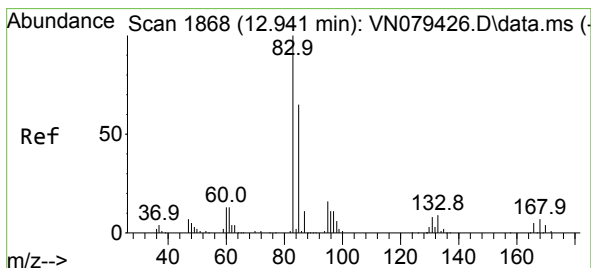
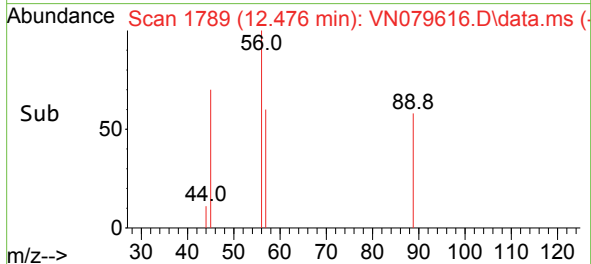
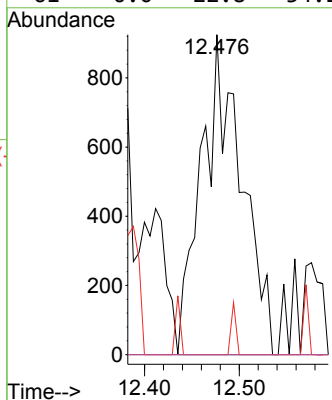


#74
N-amy1 acetate
Concen: 0.448 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.023 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Instrument :
MSVOA_N
ClientSampleId :

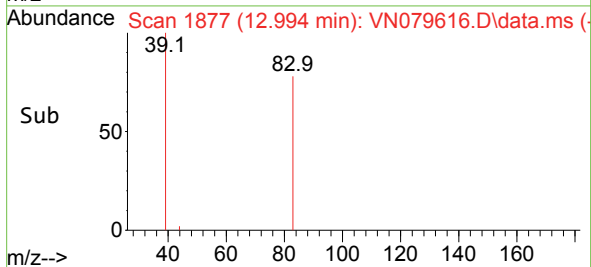
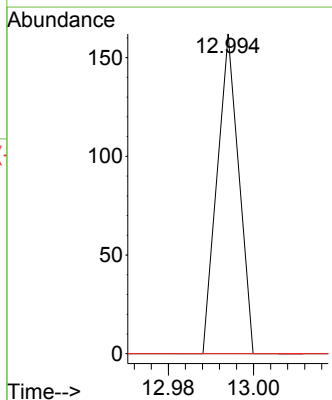
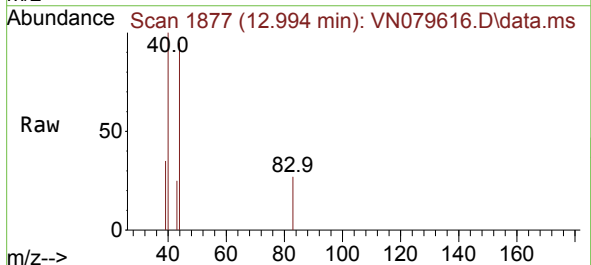


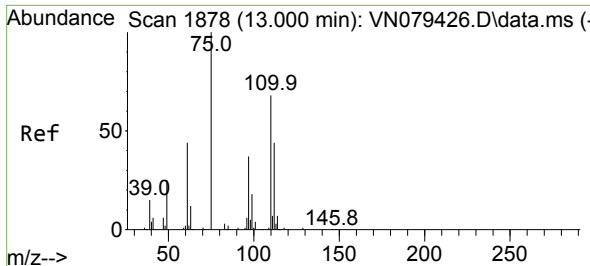
Tgt Ion:	43	Resp:	2726
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	0.0	21.4	32.0#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.994 min Scan# 1877
Delta R.T. 0.053 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Tgt Ion:	83	Resp:	57
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	31.9	95.7#

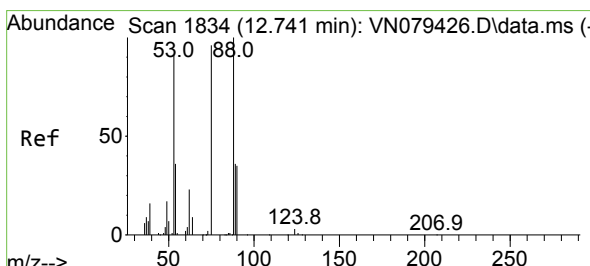
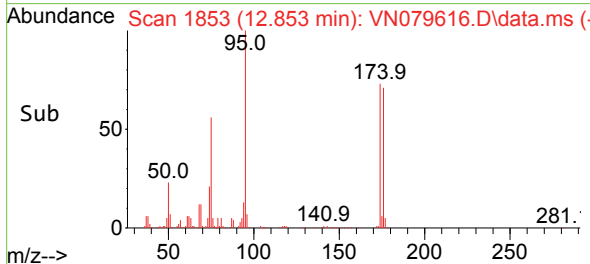
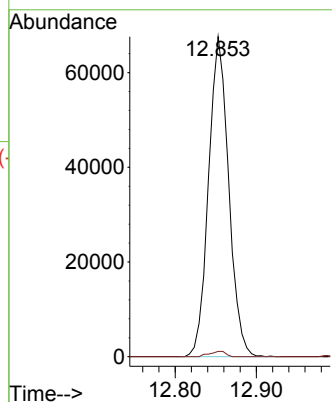
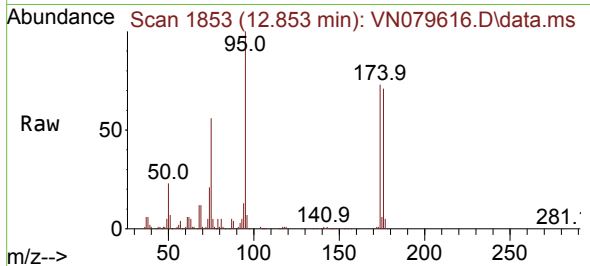




#76
1,2,3-Trichloropropane
Concen: 25.282 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

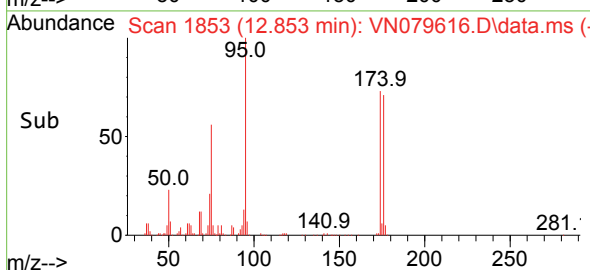
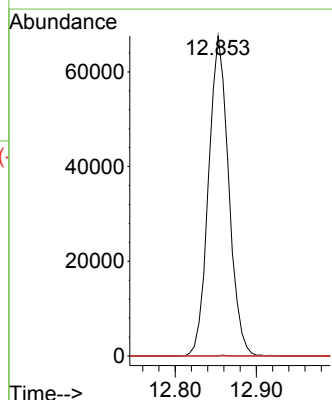
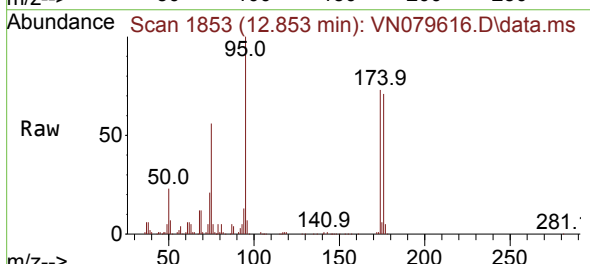
Instrument :
MSVOA_N
ClientSampleId :

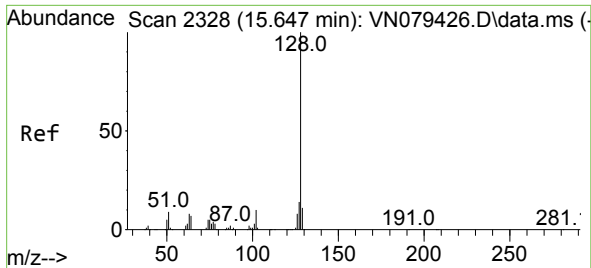
Tgt Ion: 75 Resp: 116288
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.357 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

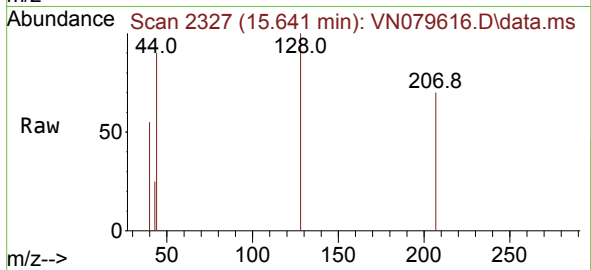
Tgt Ion: 75 Resp: 116288
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#





#95
Naphthalene
Concen: 0.201 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN079616.D
Acq: 19 Oct 2023 14:02

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1069
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.7 13.1#

