

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079543.D
 Acq On : 12 Oct 2023 14:23
 Operator : JC\MD
 Sample : 04844-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

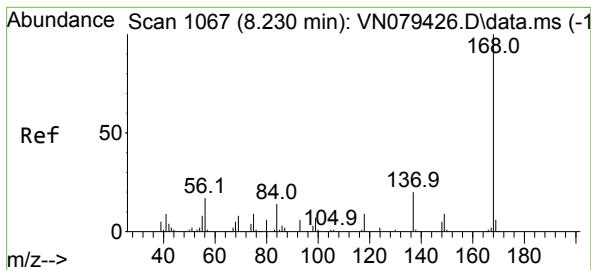
Quant Time: Oct 13 01:19:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	252219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	510851	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	505177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	153081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	209707	51.279	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.560%	
35) Dibromofluoromethane	8.171	113	185046	50.405	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.820%	
50) Toluene-d8	10.571	98	631585	47.547	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.100%	
62) 4-Bromofluorobenzene	12.853	95	204269	47.918	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.840%	
Target Compounds						Qvalue
5) Bromomethane	2.977	94	802	0.286	ug/l #	78
11) Tert butyl alcohol	5.524	59	132	0.214	ug/l #	72
16) Acetone	4.436	43	36596	22.562	ug/l	93
18) Methyl Acetate	5.036	43	2646	0.333	ug/l #	66
20) Methylene Chloride	5.283	84	14854	3.623	ug/l	86
25) 2-Butanone	7.500	43	7048	2.928	ug/l #	77
29) Tetrahydrofuran	7.853	42	417	0.268	ug/l #	20
31) Cyclohexane	8.230	56	7176	1.237	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	22503	4.084	ug/l #	48
37) Ethyl Acetate	7.571	43	2743	0.500	ug/l #	82
38) Carbon Tetrachloride	8.230	117	27099	4.913	ug/l #	16
43) Isopropyl Acetate	8.694	43	212207	22.093	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	2252	0.522	ug/l #	45
48) Methyl methacrylate	9.677	41	4940	1.200	ug/l #	29
51) 4-Methyl-2-Pentanone	10.453	43	25650	4.731	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	60387	9.530	ug/l #	73
56) Ethyl methacrylate	10.988	69	2718	0.512	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8158	1.222	ug/l #	42
59) 2-Hexanone	11.176	43	163195	41.710	ug/l #	19
71) Bromoform	12.853	173	1663	0.552	ug/l #	1
74) N-amyl acetate	12.312	43	28438	4.871	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.935	83	249	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	113882	25.802	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113882	74.865	ug/l #	15
95) Naphthalene	15.641	128	1689	0.331	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.858	180	457	0.229	ug/l #	83

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

Quant Time: Oct 13 01:19:28 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# 1

Delta R.T. -0.000 min

Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

Instrument :

MSVOA_N

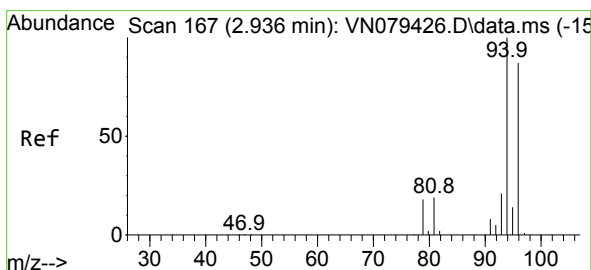
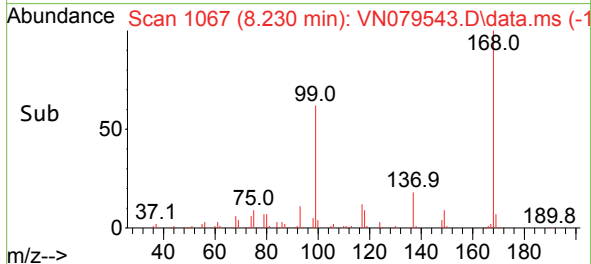
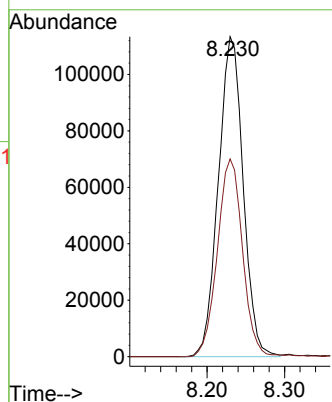
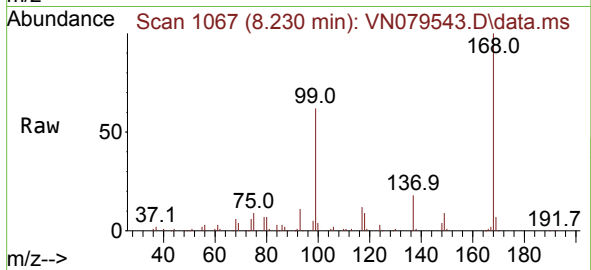
ClientSampleId :

Tgt Ion:168 Resp: 252219

Ion Ratio Lower Upper

168 100

99 61.8 53.0 79.6



#5

Bromomethane

Concen: 0.286 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.041 min

Lab File: VN079543.D

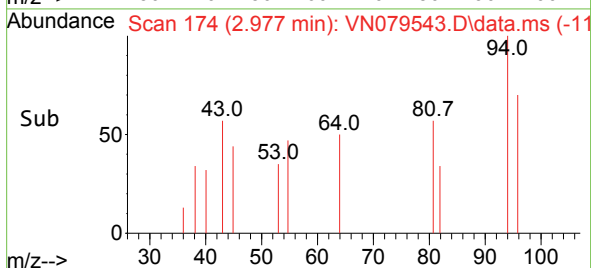
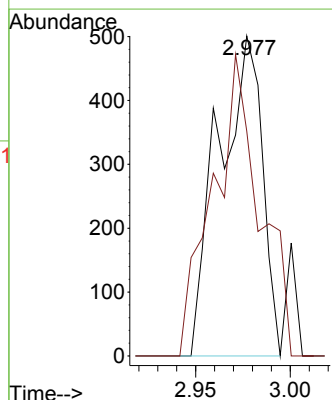
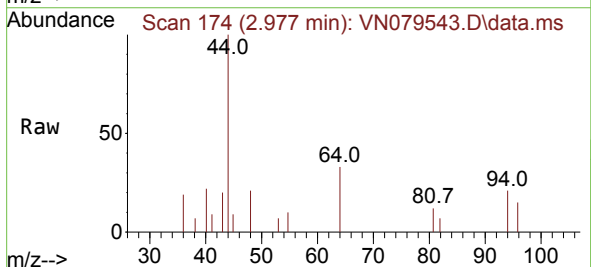
Acq: 12 Oct 2023 14:23

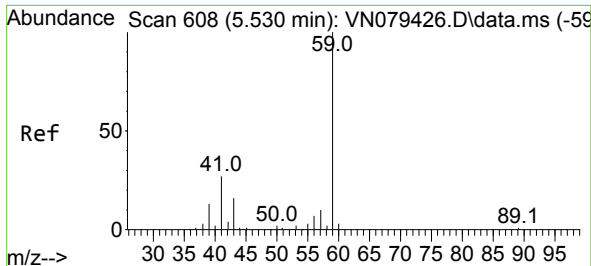
Tgt Ion: 94 Resp: 802

Ion Ratio Lower Upper

94 100

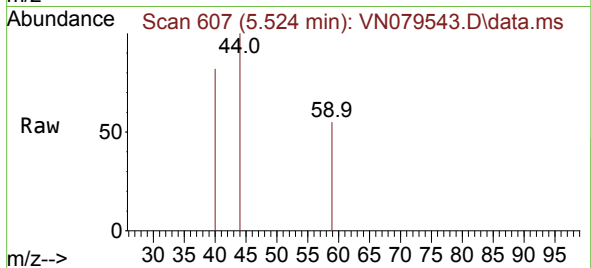
96 70.3 73.1 109.7#



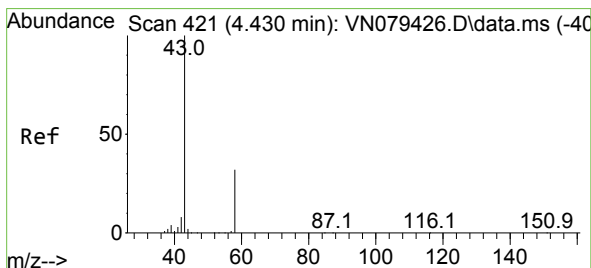
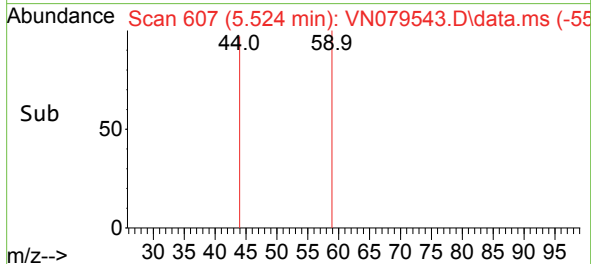
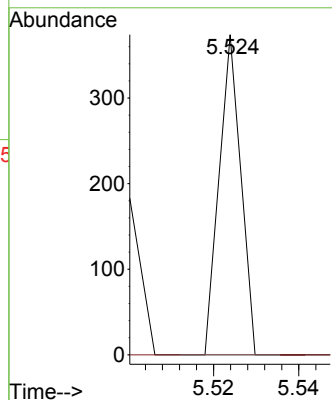


#11
Tert butyl alcohol
Concen: 0.214 ug/l
RT: 5.524 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

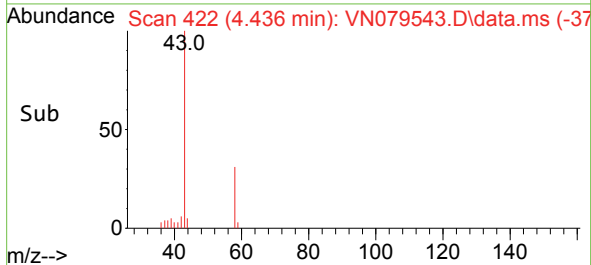
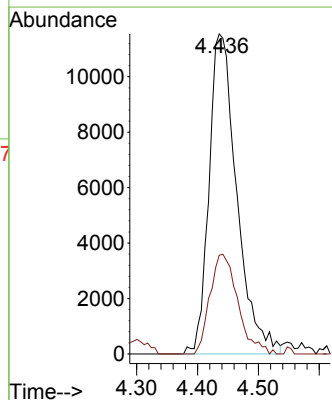
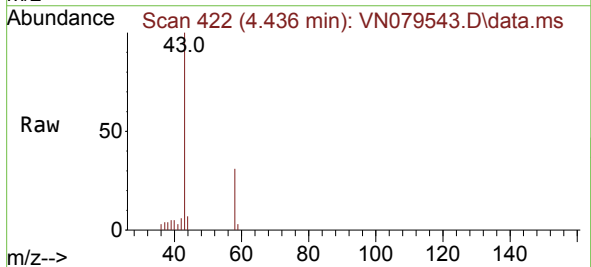


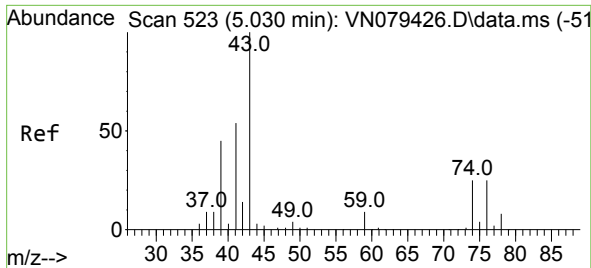
Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 22.562 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

Tgt Ion: 43 Resp: 36596
Ion Ratio Lower Upper
43 100
58 30.9 28.0 42.0

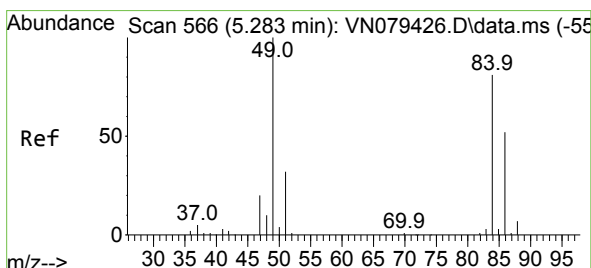
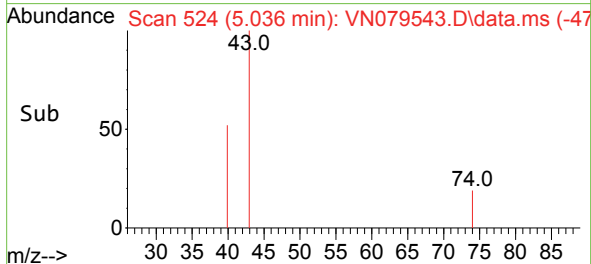
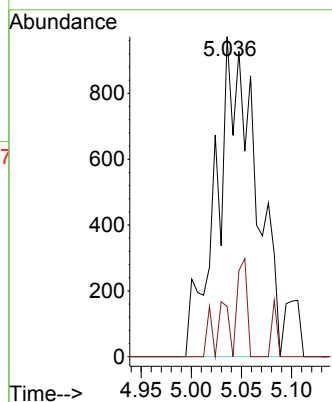
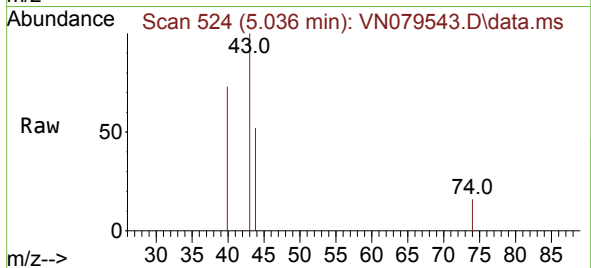




#18
Methyl Acetate
Concen: 0.333 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

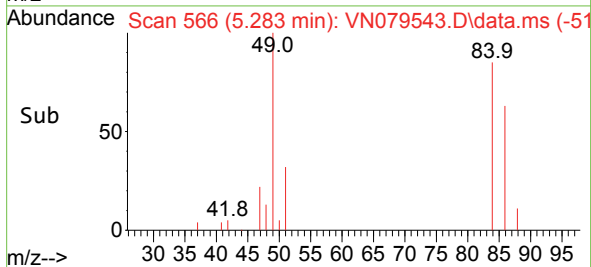
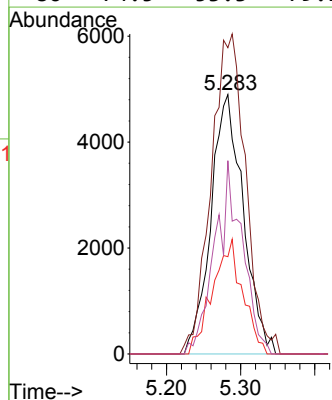
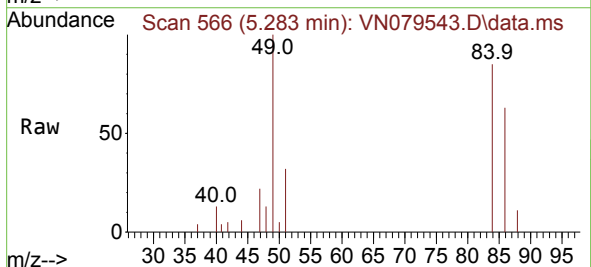
Instrument :
MSVOA_N
ClientSampleId :

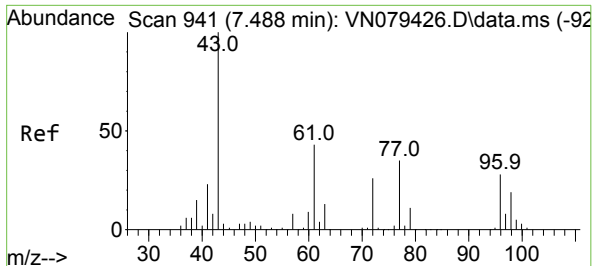
Tgt Ion: 43 Resp: 2646
Ion Ratio Lower Upper
43 100
74 13.8 26.2 39.4#



#20
Methylene Chloride
Concen: 3.623 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

Tgt Ion: 84 Resp: 14854
Ion Ratio Lower Upper
84 100
49 118.1 79.7 119.5
51 37.5 25.2 37.8
86 74.5 53.3 79.9

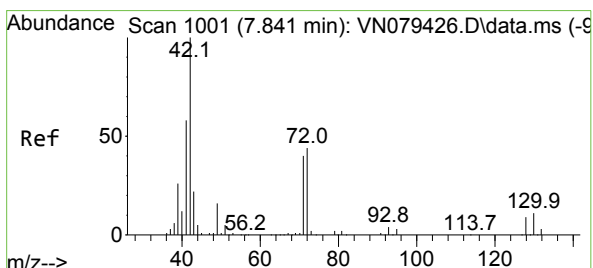
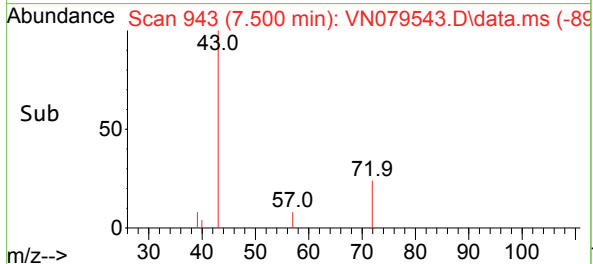
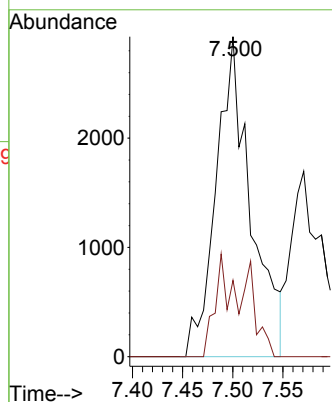
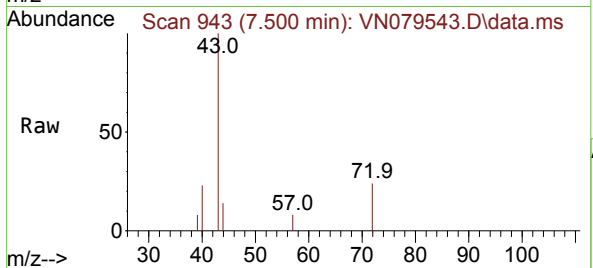




#25
2-Butanone
Concen: 2.928 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

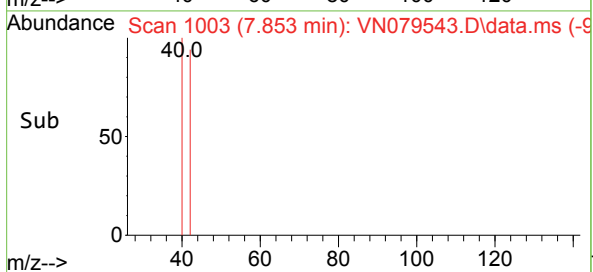
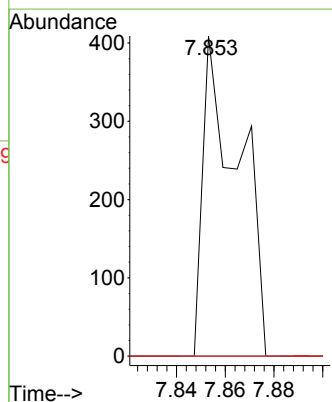
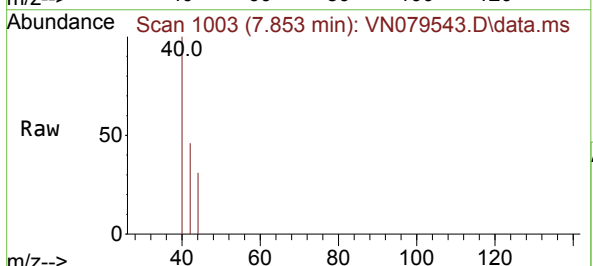
Instrument :
MSVOA_N
ClientSampleId :

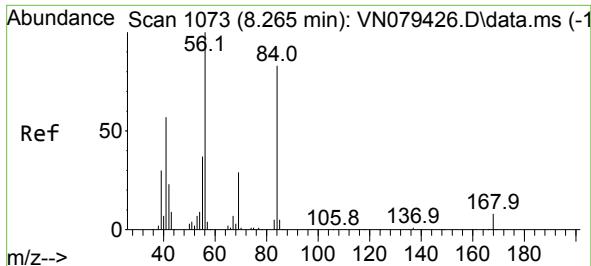
Tgt Ion: 43 Resp: 7048
Ion Ratio Lower Upper
43 100
72 23.8 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.268 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

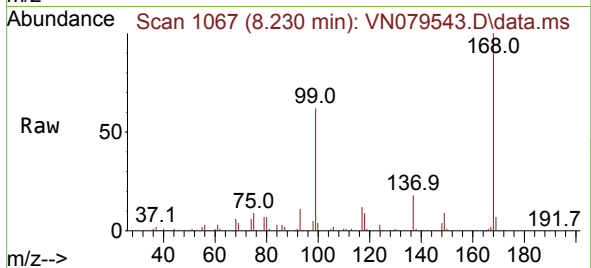
Tgt Ion: 42 Resp: 417
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



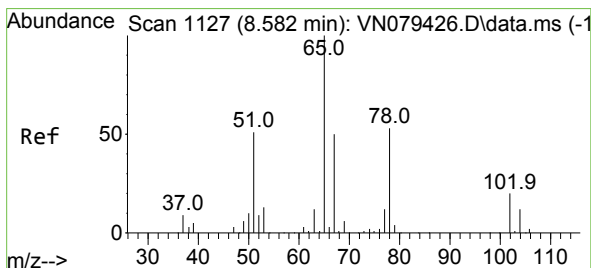
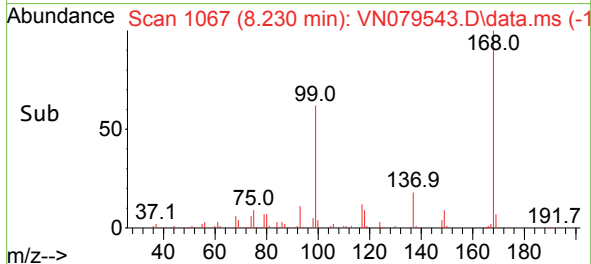
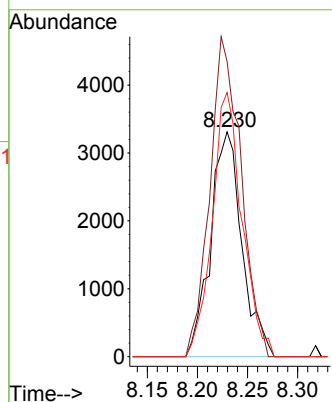


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

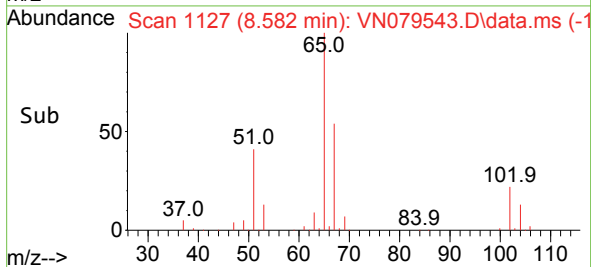
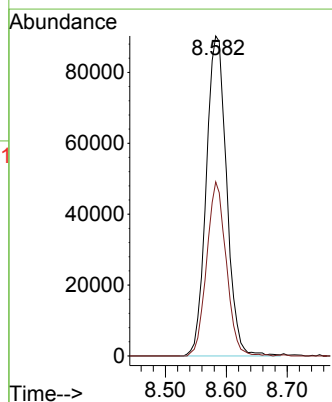
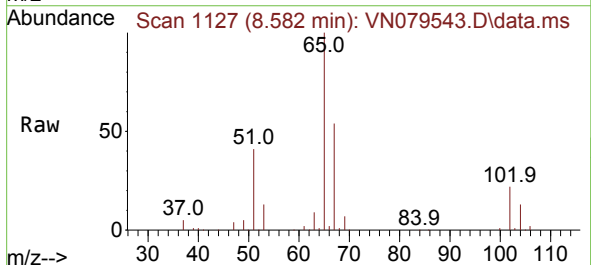


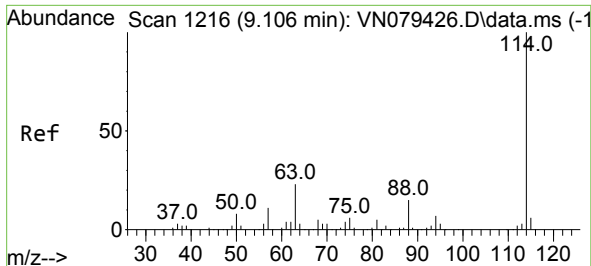
Tgt Ion: 56 Resp: 7176
Ion Ratio Lower Upper
56 100
69 131.4 26.8 40.2#
84 122.6 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 51.279 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

Tgt Ion: 65 Resp: 209707
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6

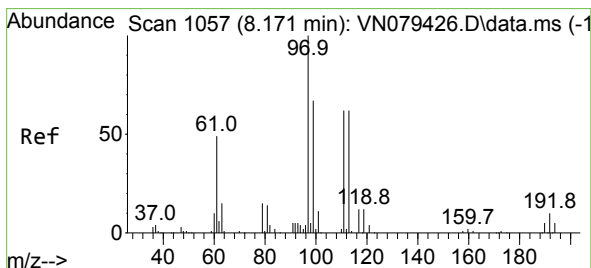
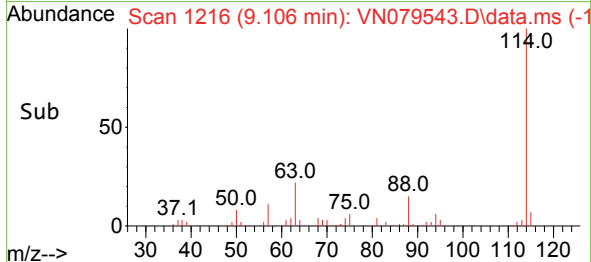
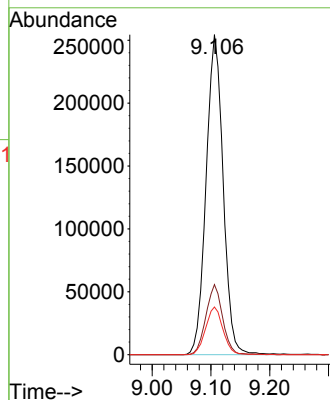
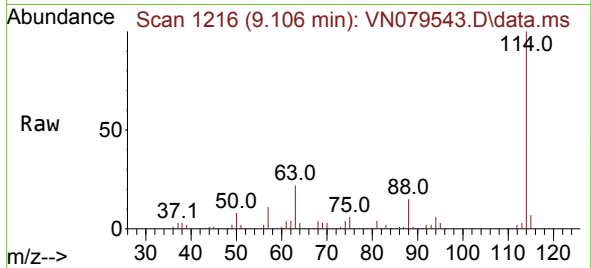




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

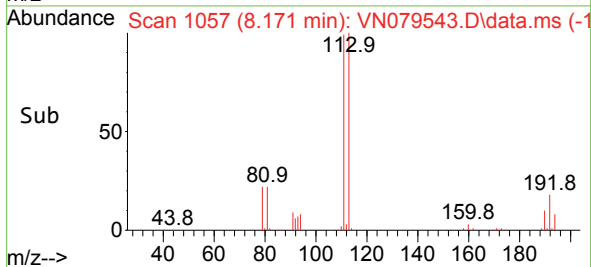
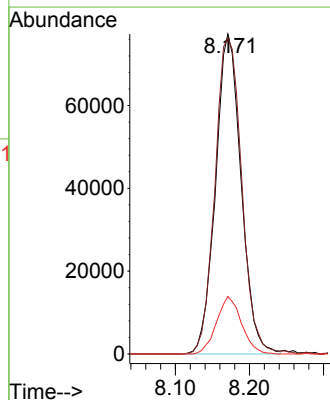
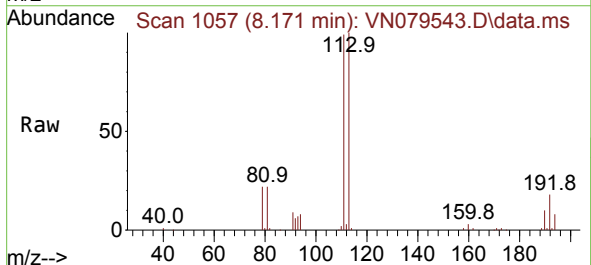
Instrument :
MSVOA_N
ClientSampleId :

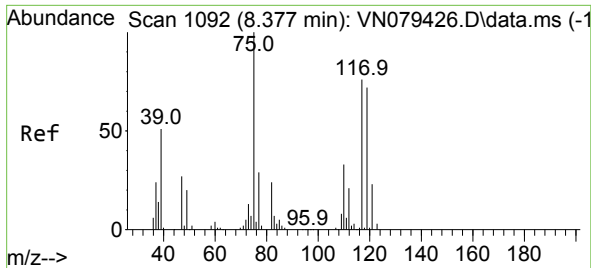
Tgt Ion:114 Resp: 510851
Ion Ratio Lower Upper
114 100
63 21.9 0.0 36.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.405 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

Tgt Ion:113 Resp: 185046
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 17.5 12.7 19.1

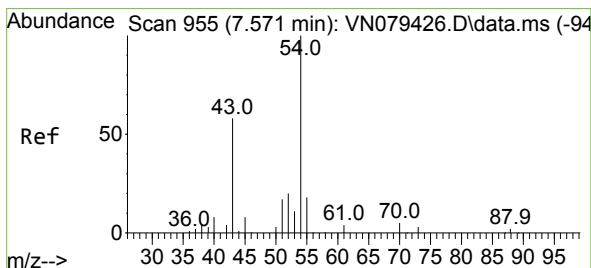
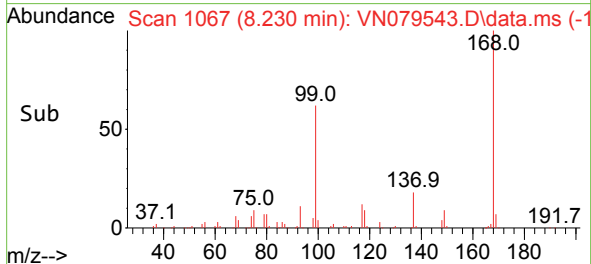
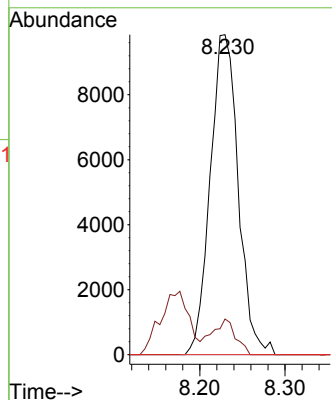
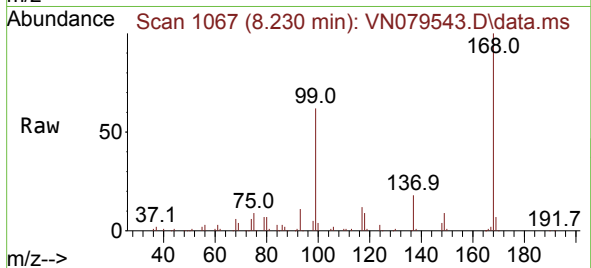




#36
1,1-Dichloropropene
Concen: 4.084 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

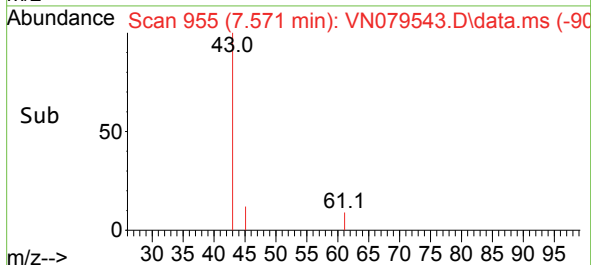
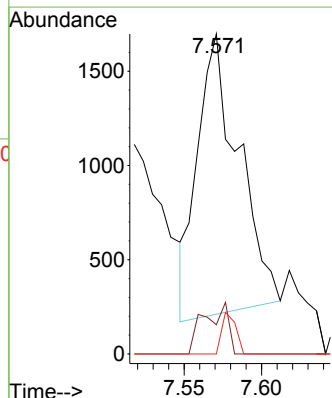
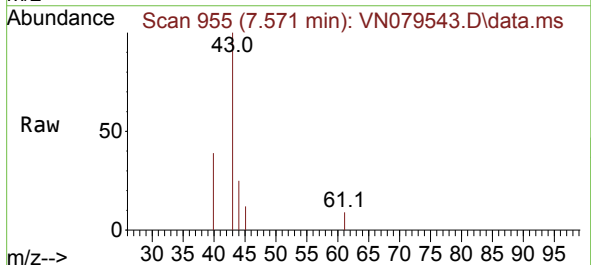
Instrument :
MSVOA_N
ClientSampleId :

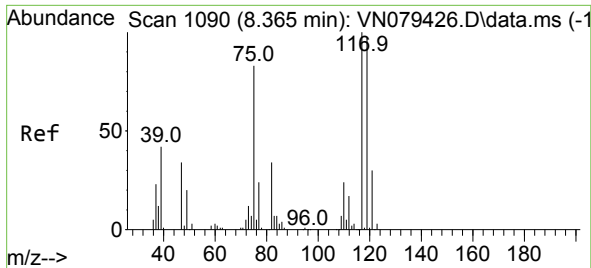
Tgt Ion: 75 Resp: 22503
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 0.500 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

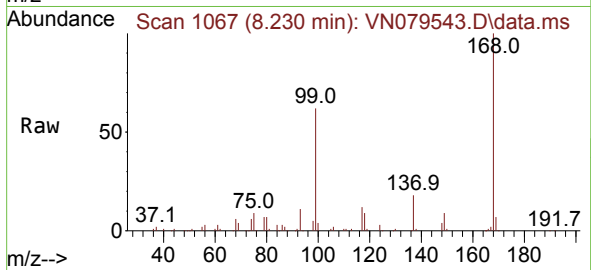
Tgt Ion: 43 Resp: 2743
Ion Ratio Lower Upper
43 100
61 10.7 13.2 19.8#
70 5.0 11.3 16.9#



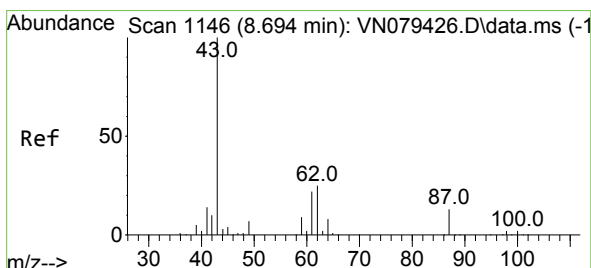
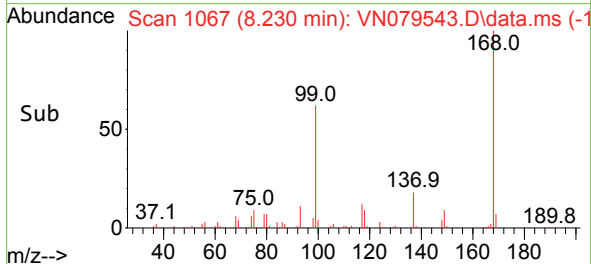
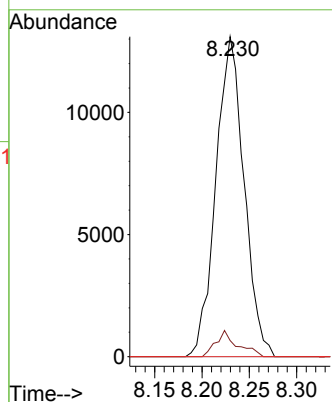


#38
Carbon Tetrachloride
Concen: 4.913 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

Instrument :
MSVOA_N
ClientSampleId :

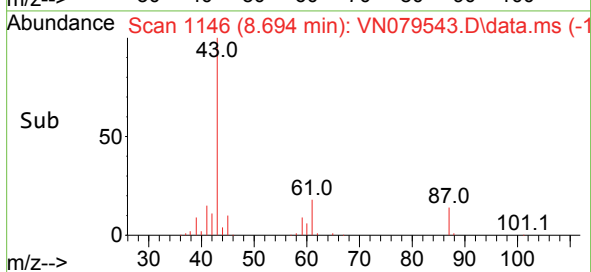
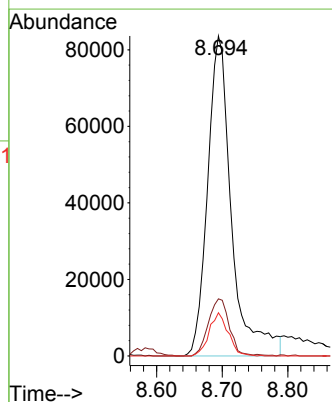
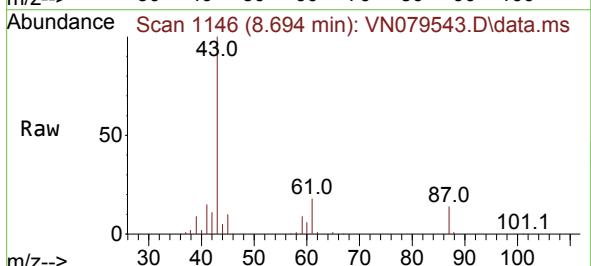


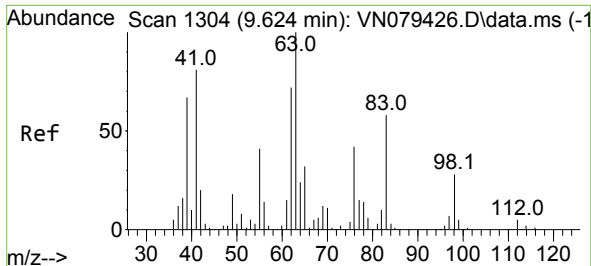
Tgt Ion:117 Resp: 27099
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 22.093 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

Tgt Ion: 43 Resp: 212207
Ion Ratio Lower Upper
43 100
61 15.7 24.7 37.1#
87 10.8 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.522 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

Instrument :

MSVOA_N

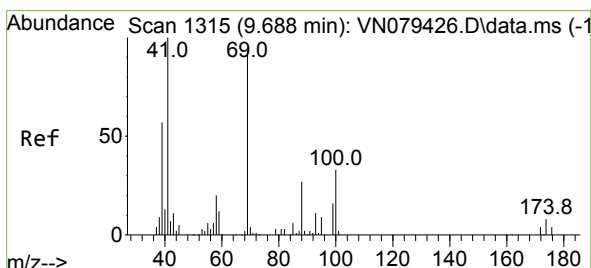
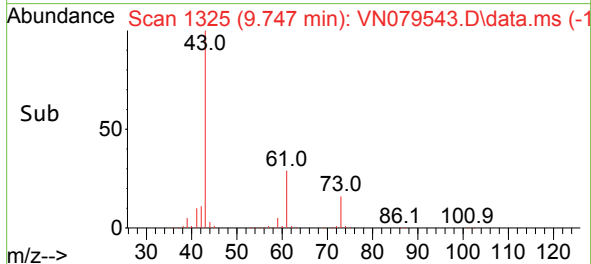
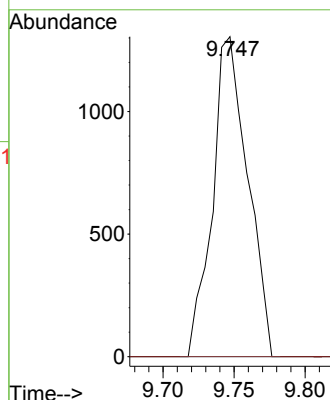
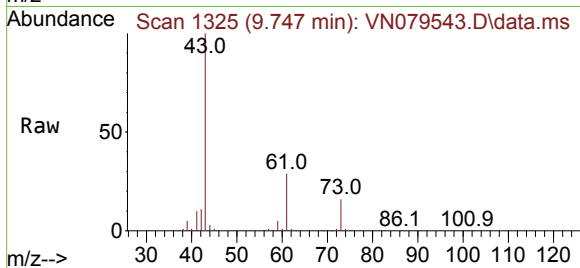
ClientSampleId :

Tgt Ion: 63 Resp: 2252

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.200 ug/l

RT: 9.677 min Scan# 1313

Delta R.T. -0.012 min

Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

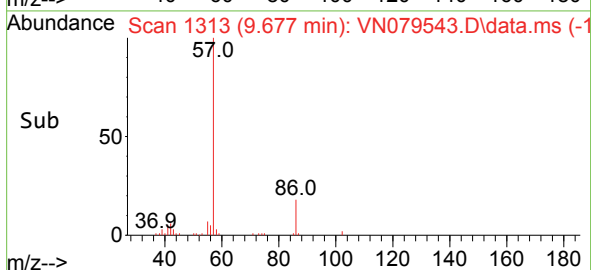
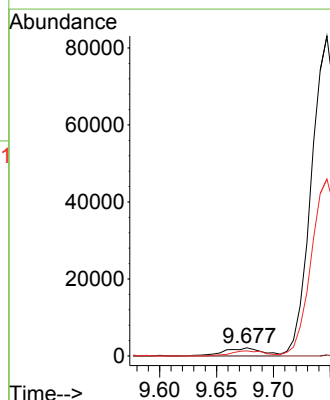
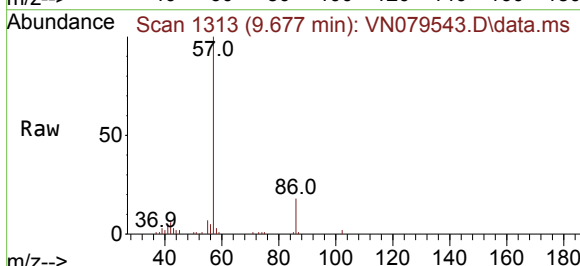
Tgt Ion: 41 Resp: 4940

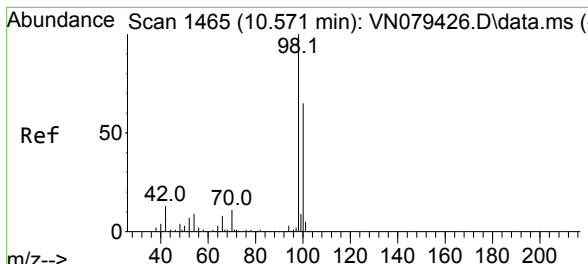
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 57.0 54.6 81.8

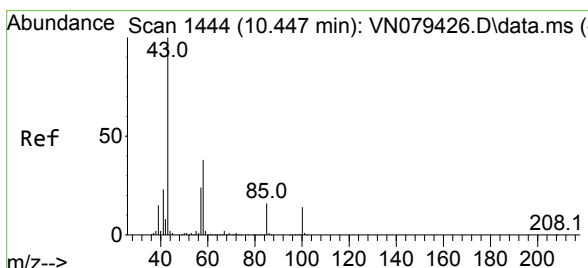
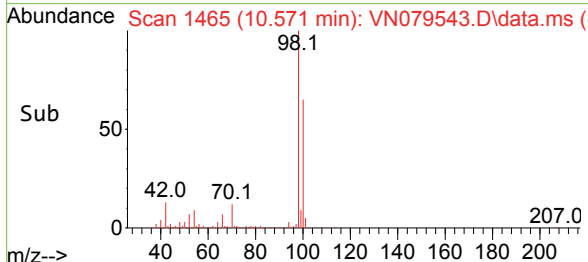
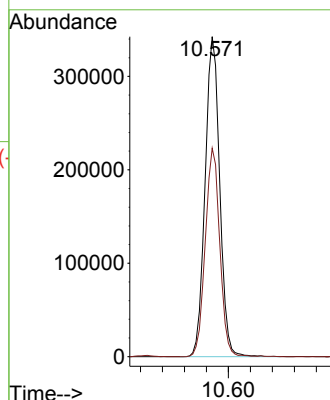
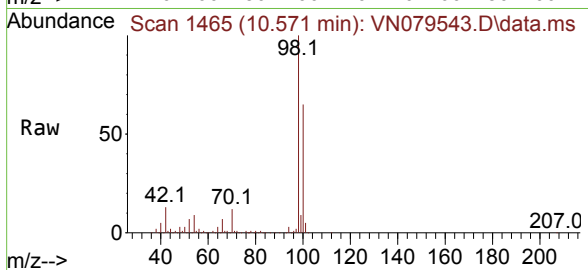




#50
Toluene-d8
Concen: 47.547 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

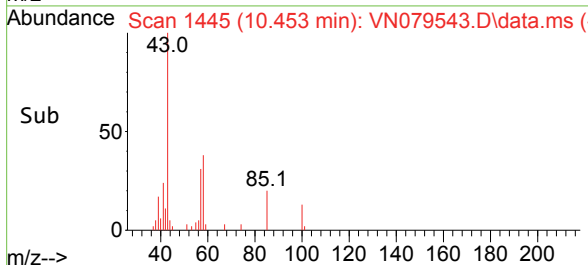
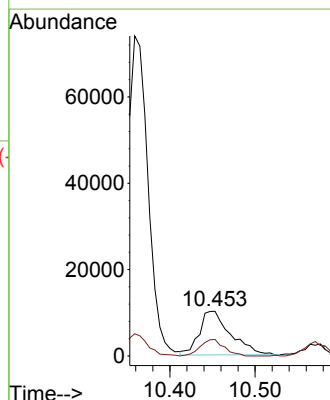
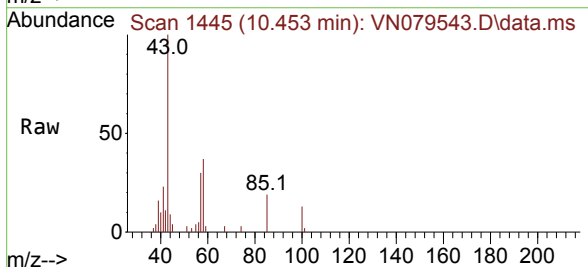
Instrument :
MSVOA_N
ClientSampleId :

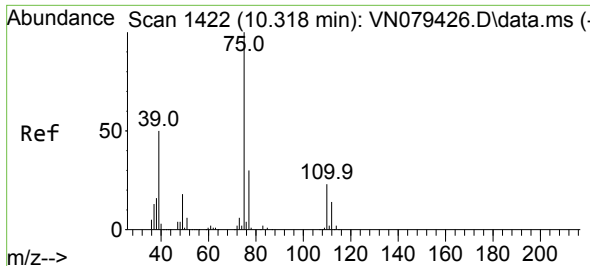
Tgt Ion: 98 Resp: 631585
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.731 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

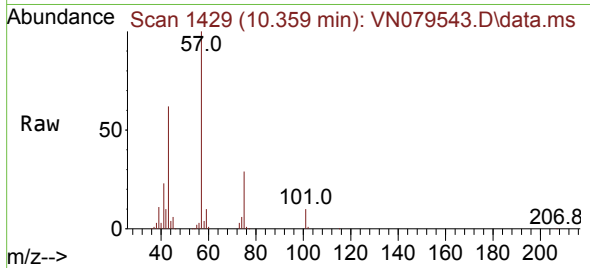
Tgt Ion: 43 Resp: 25650
Ion Ratio Lower Upper
43 100
58 29.0 36.6 54.8#



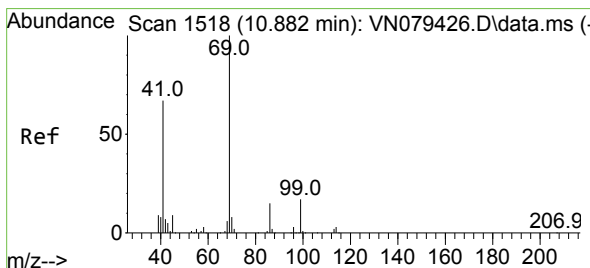
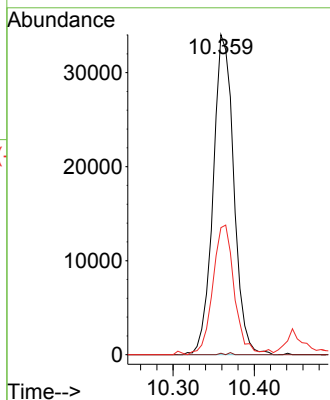
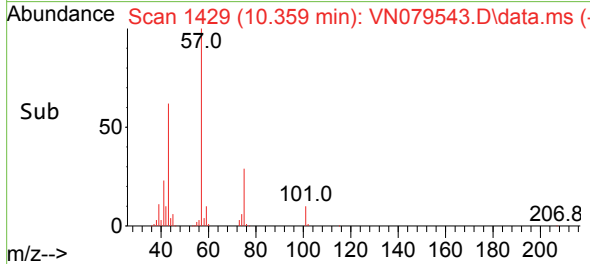


#54
 cis-1,3-Dichloropropene
 Concen: 9.530 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079543.D
 Acq: 12 Oct 2023 14:23

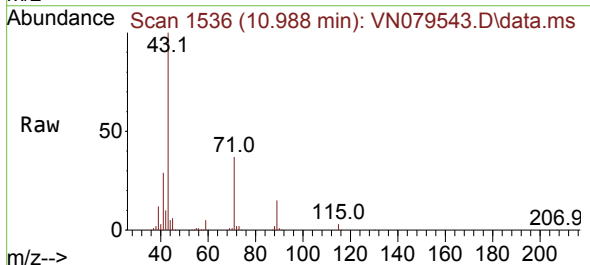
Instrument :
 MSVOA_N
 ClientSampleId :



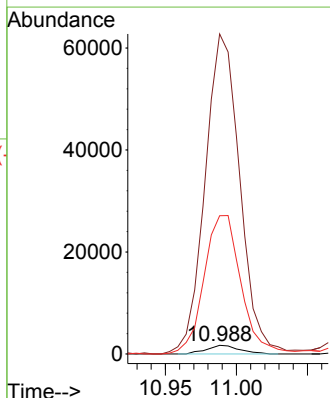
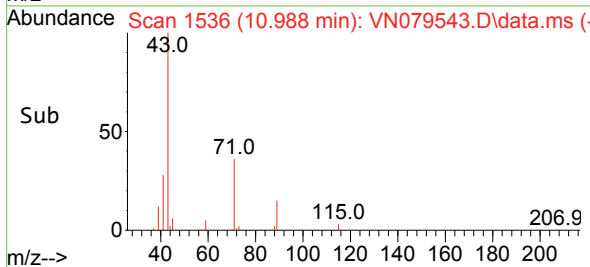
Tgt Ion: 75 Resp: 60387
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.1 39.1#
 39 38.6 31.6 47.4

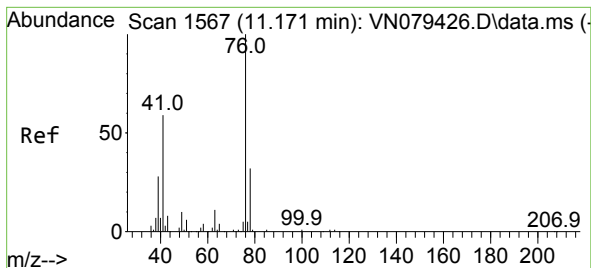


#56
 Ethyl methacrylate
 Concen: 0.512 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079543.D
 Acq: 12 Oct 2023 14:23



Tgt Ion: 69 Resp: 2718
 Ion Ratio Lower Upper
 69 100
 41 3944.2 39.6 59.4#
 39 1805.1 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.222 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.035 min

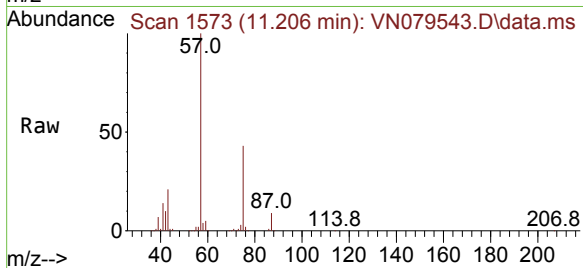
Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

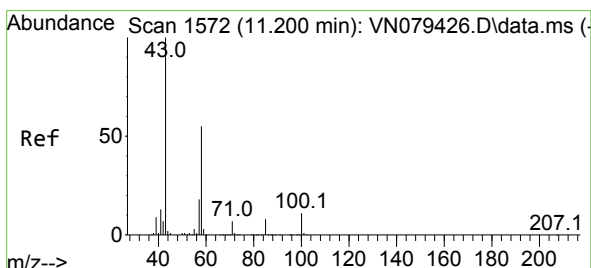
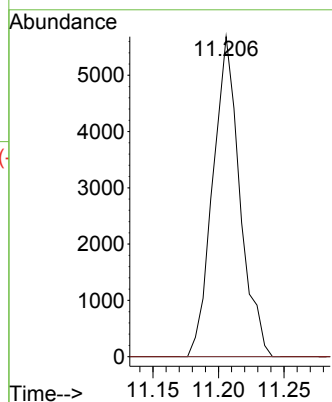
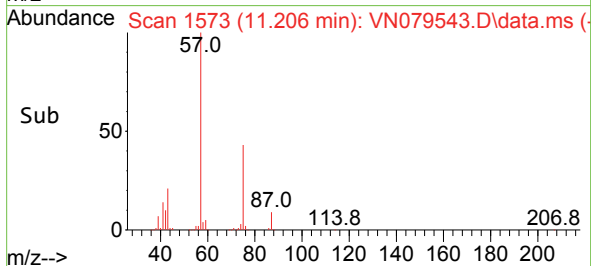


Tgt Ion: 76 Resp: 8158

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 41.710 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079543.D

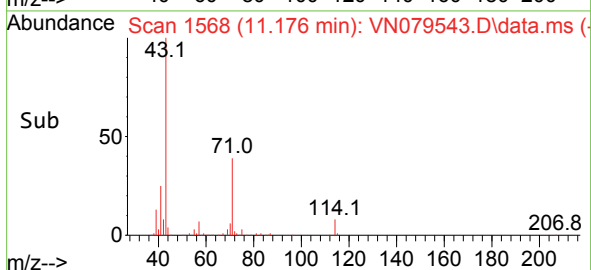
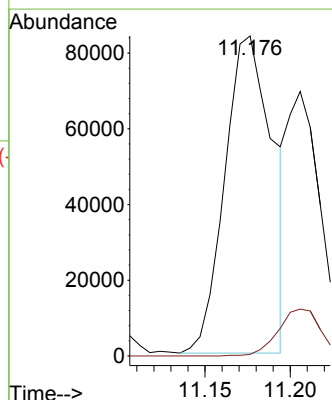
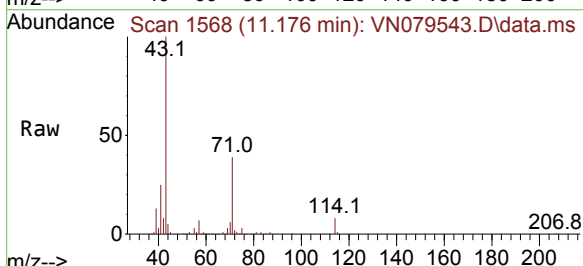
Acq: 12 Oct 2023 14:23

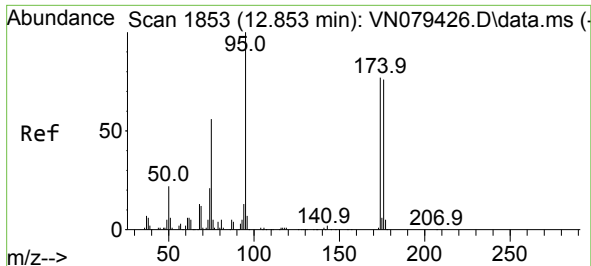
Tgt Ion: 43 Resp: 163195

Ion Ratio Lower Upper

43 100

58 0.0 31.7 95.1#

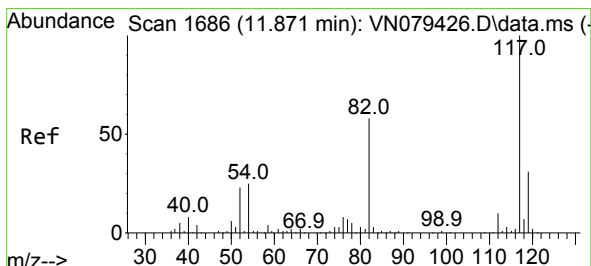
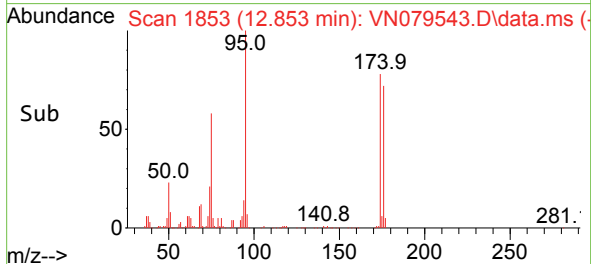
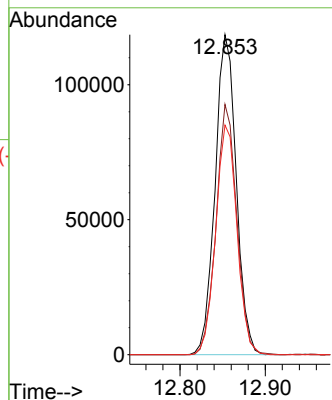
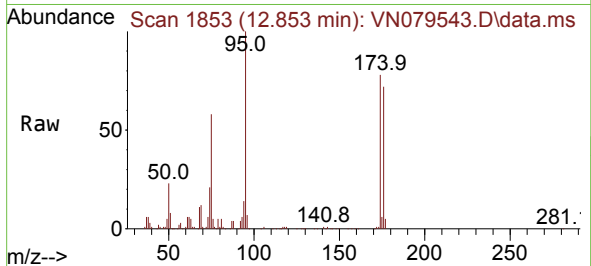




#62
4-Bromofluorobenzene
Concen: 47.918 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

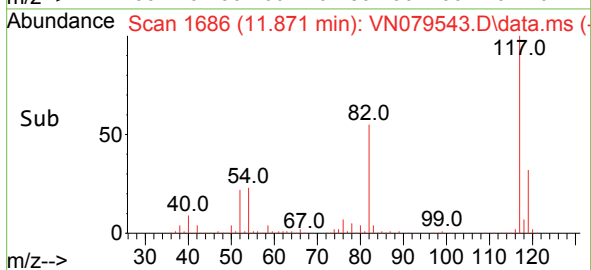
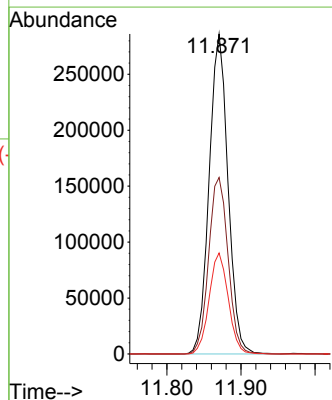
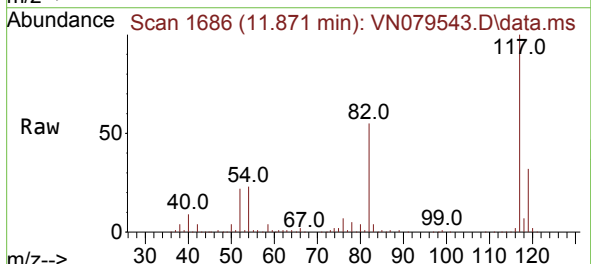
Instrument :
MSVOA_N
ClientSampleId :

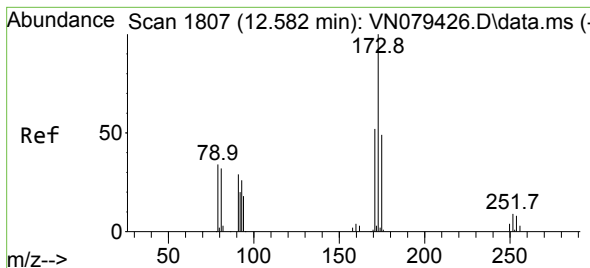
Tgt Ion: 95 Resp: 204269
Ion Ratio Lower Upper
95 100
174 76.6 0.0 143.8
176 72.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

Tgt Ion: 117 Resp: 505177
Ion Ratio Lower Upper
117 100
82 55.2 44.0 66.0
119 31.6 25.6 38.4





#71

Bromoform

Concen: 0.552 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

Instrument :

MSVOA_N

ClientSampleId :

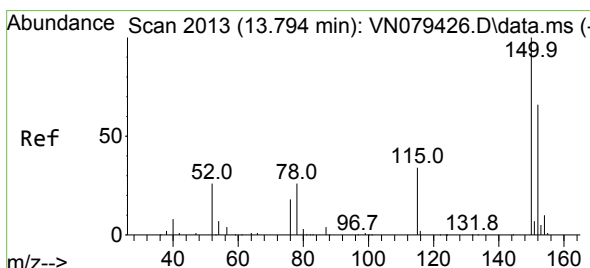
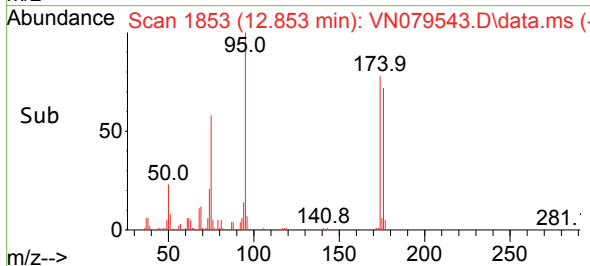
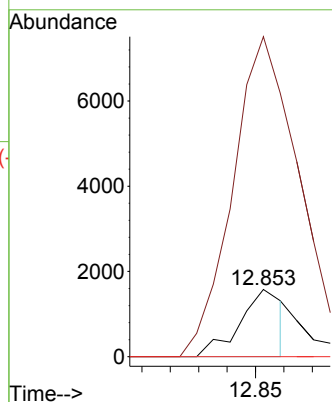
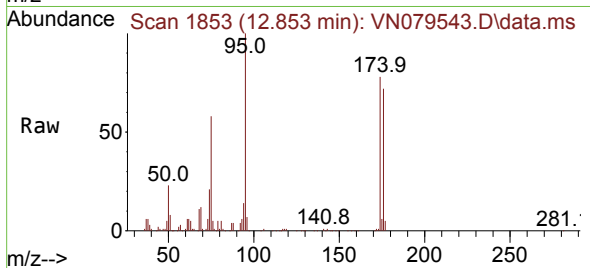
Tgt Ion:173 Resp: 1663

Ion Ratio Lower Upper

173 100

175 547.6 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. 0.006 min

Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

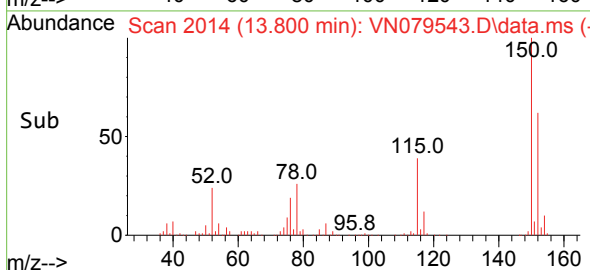
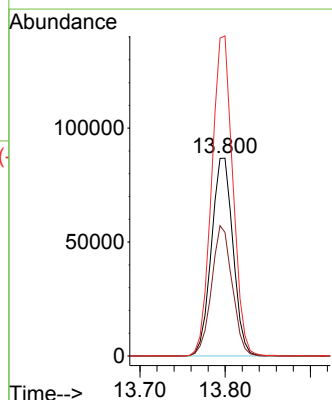
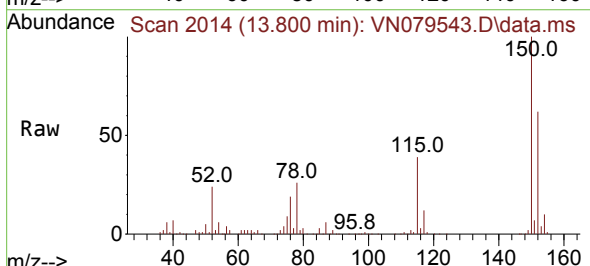
Tgt Ion:152 Resp: 153081

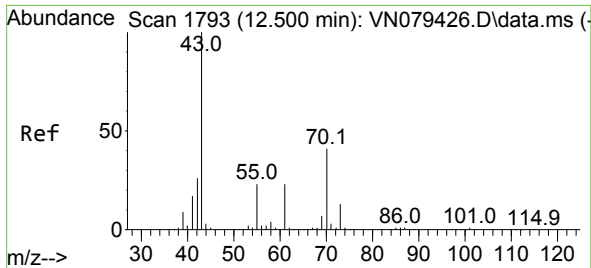
Ion Ratio Lower Upper

152 100

115 62.9 32.3 96.8

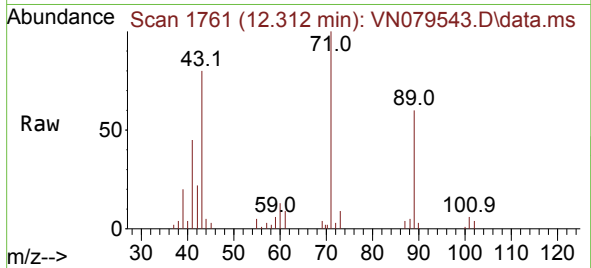
150 158.4 0.0 355.8



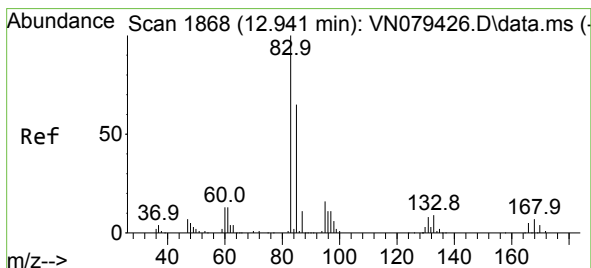
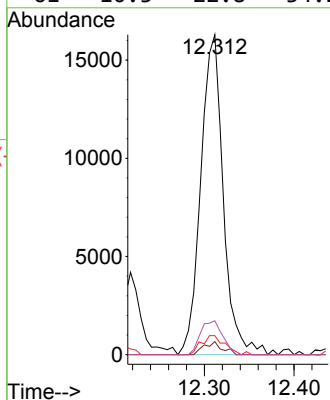
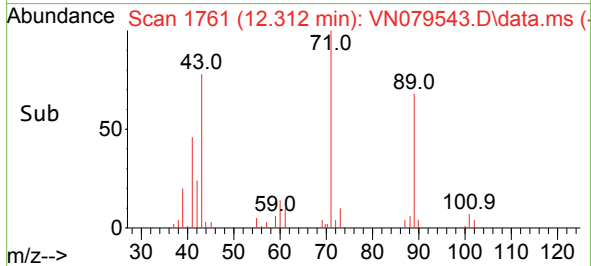


#74
N-amy1 acetate
Concen: 4.871 ug/l
RT: 12.312 min Scan# 1761
Delta R.T. -0.188 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23

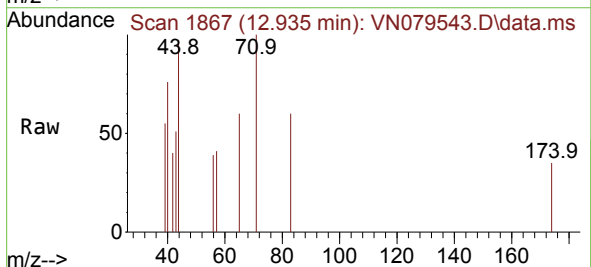
Instrument :
MSVOA_N
ClientSampleId :



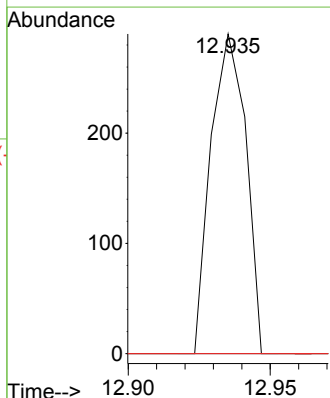
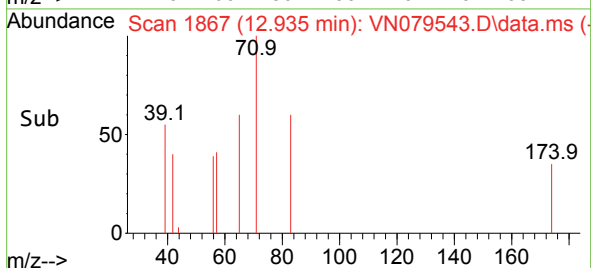
Tgt Ion: 43 Resp: 28438
Ion Ratio Lower Upper
43 100
70 3.3 43.4 65.2#
55 6.4 21.4 32.0#
61 10.3 22.8 34.2#

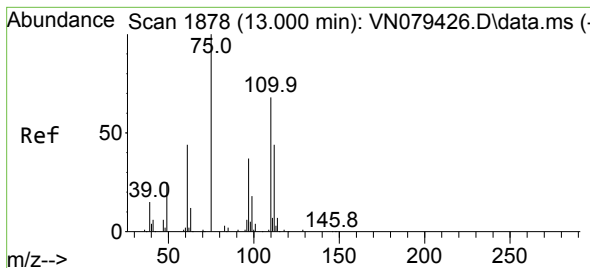


#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.935 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN079543.D
Acq: 12 Oct 2023 14:23



Tgt Ion: 83 Resp: 249
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: 25.802 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

Instrument :

MSVOA_N

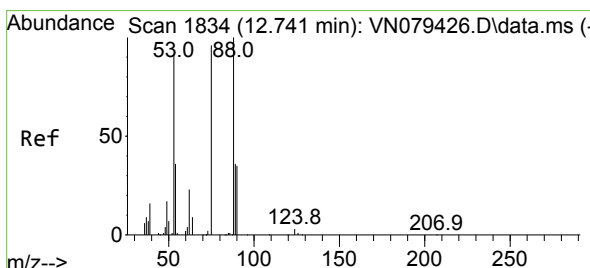
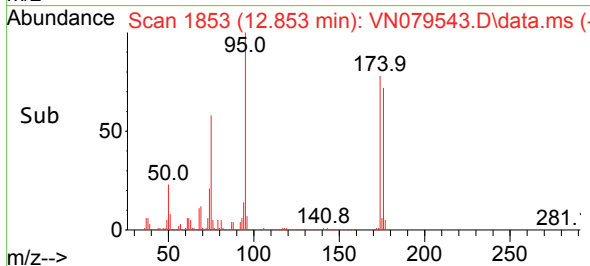
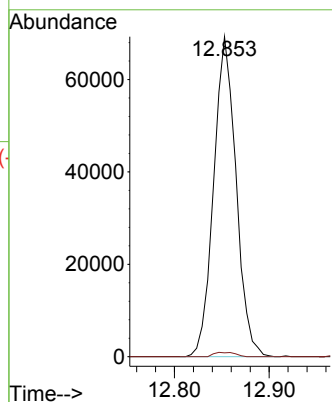
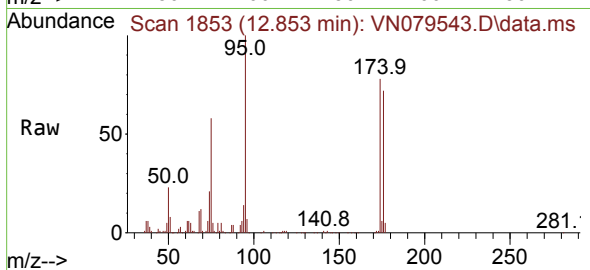
ClientSampleId :

Tgt Ion: 75 Resp: 113882

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.865 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

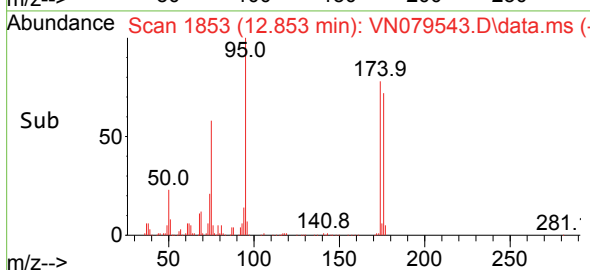
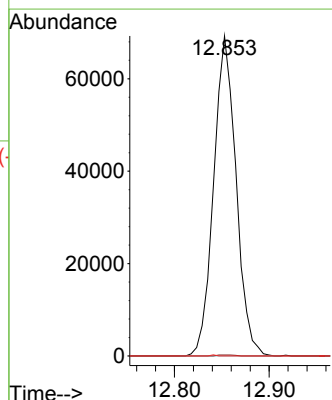
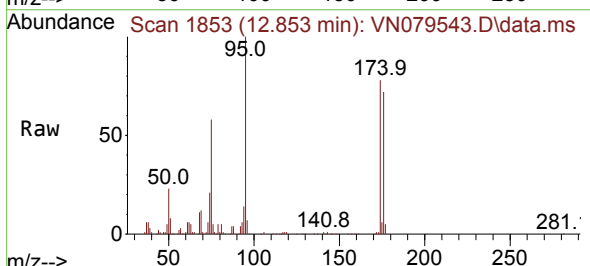
Tgt Ion: 75 Resp: 113882

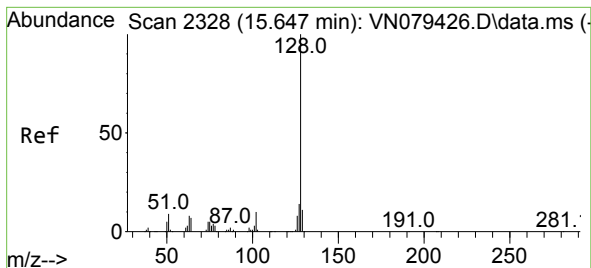
Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.1 38.8 58.2#





#95

Naphthalene

Concen: 0.331 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.006 min

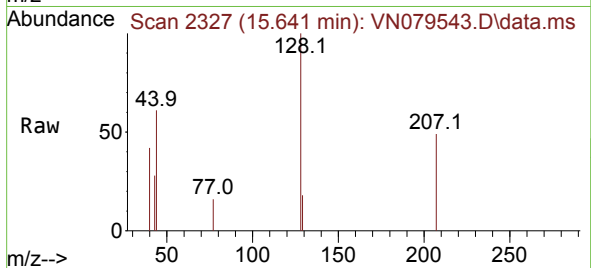
Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

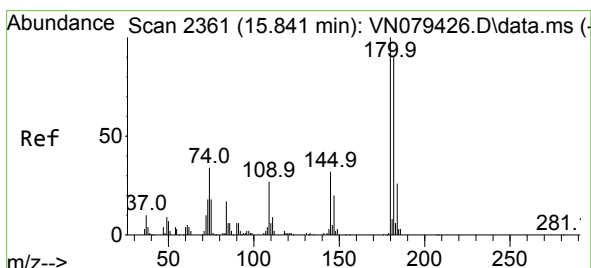
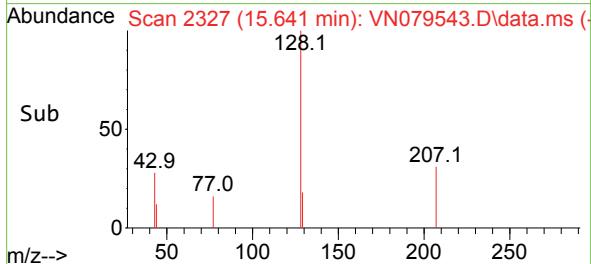
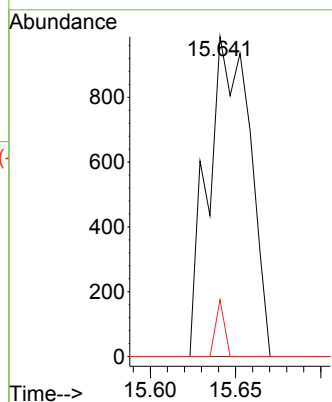
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128	Resp:	1689
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.0 15.0#
129	3.7	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.229 ug/l

RT: 15.858 min Scan# 2364

Delta R.T. 0.018 min

Lab File: VN079543.D

Acq: 12 Oct 2023 14:23

Tgt Ion:180	Resp:	457
Ion	Ratio	Lower Upper
180	100	
182	92.3	46.2 138.6
145	0.0	17.5 52.6#

