

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102323\
 Data File : VN079642.D
 Acq On : 23 Oct 2023 12:35
 Operator : JC\MD
 Sample : PB156545ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 23:48:42 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)

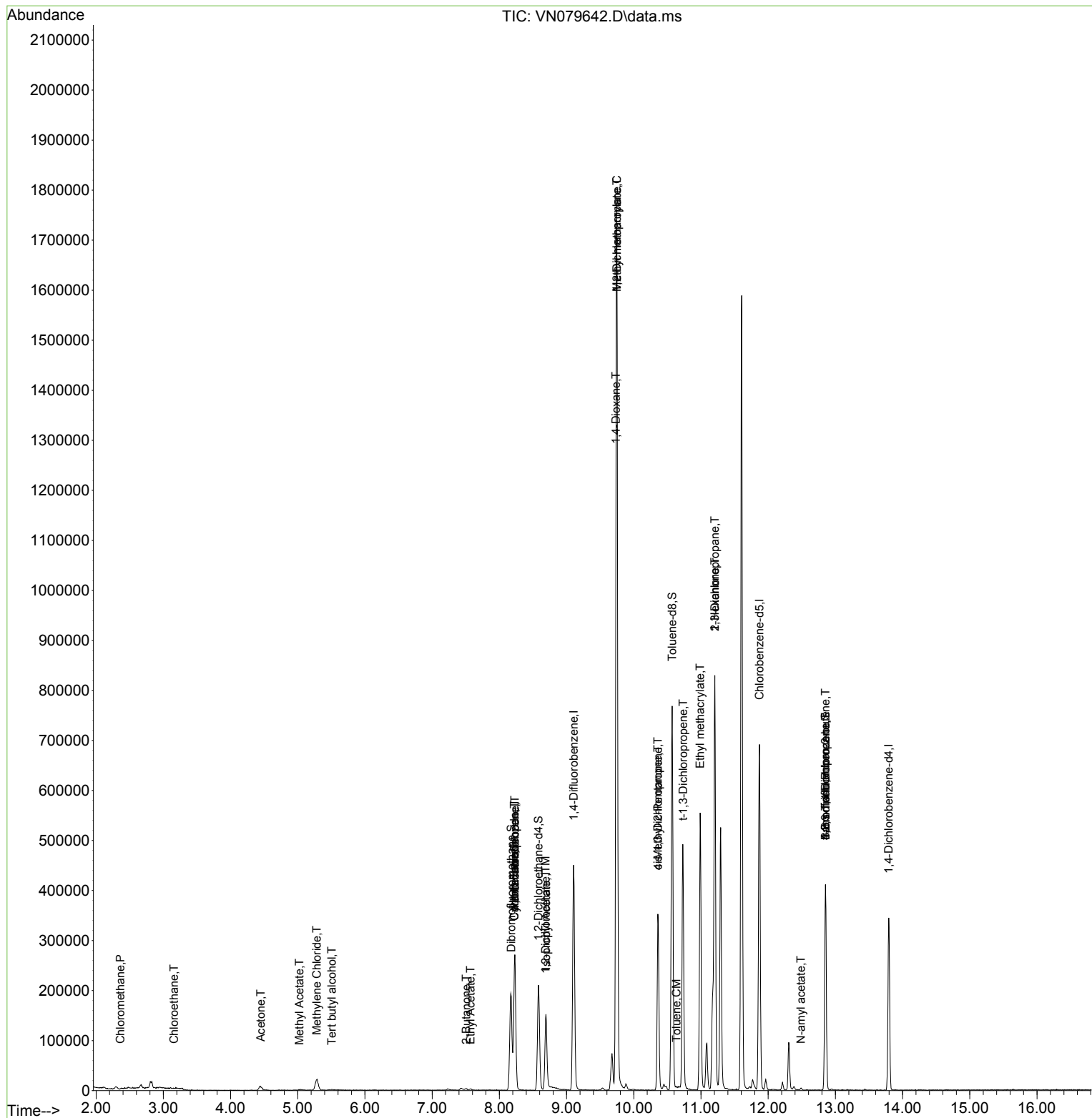
Internal Standards						
1) Pentafluorobenzene	8.230	168	186397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	377597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	386766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	89385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	164481	54.423	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.840%	
35) Dibromofluoromethane	8.177	113	138809	51.154	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.300%	
50) Toluene-d8	10.571	98	520616	53.024	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.040%	
62) 4-Bromofluorobenzene	12.853	95	135685	43.062	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 86.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	673	0.202	ug/l #	42
6) Chloroethane	3.159	64	532	0.204	ug/l #	43
11) Tert butyl alcohol	5.506	59	669	1.471	ug/l #	72
16) Acetone	4.448	43	17723	14.785	ug/l	91
18) Methyl Acetate	5.024	43	1643	0.280	ug/l #	51
20) Methylene Chloride	5.283	84	16615	5.797	ug/l #	83
25) 2-Butanone	7.506	43	5534	3.110	ug/l #	79
31) Cyclohexane	8.224	56	5188	1.210	ug/l #	5
36) 1,1-Dichloropropene	8.230	75	17956	4.409	ug/l #	47
37) Ethyl Acetate	7.571	43	4616	1.139	ug/l #	77
38) Carbon Tetrachloride	8.224	117	20123	4.936	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1201	0.273	ug/l #	73
43) Isopropyl Acetate	8.694	43	171329	24.132	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	2146	0.673	ug/l #	45
48) Methyl methacrylate	9.747	41	169155	55.600	ug/l #	29
49) 1,4-Dioxane	9.735	88	85	1.517	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	130709	32.614	ug/l #	41
52) Toluene	10.635	92	2009	0.282	ug/l	86
53) t-1,3-Dichloropropene	10.735	75	1108	0.259	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	58371	12.463	ug/l #	72
56) Ethyl methacrylate	10.988	69	2692	0.685	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8695	1.762	ug/l #	42
59) 2-Hexanone	11.206	43	99843	34.523	ug/l #	50
71) Bromoform	12.853	173	1336	0.579	ug/l #	1
74) N-amyl acetate	12.488	43	2070	0.607	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	75767	29.399	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75767	85.302	ug/l #	15

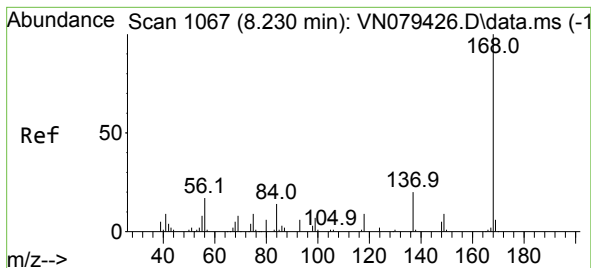
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN079642.D

Acq: 23 Oct 2023 12:35

Instrument :

MSVOA_N

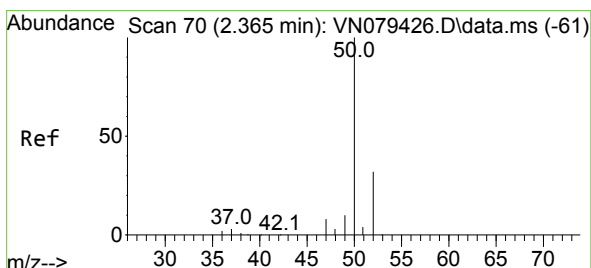
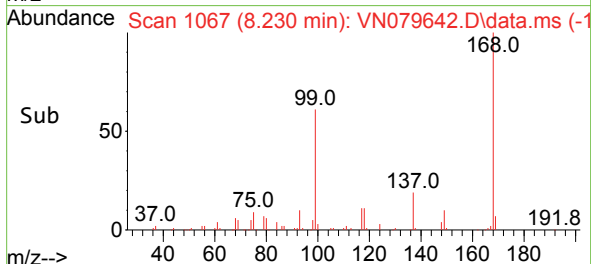
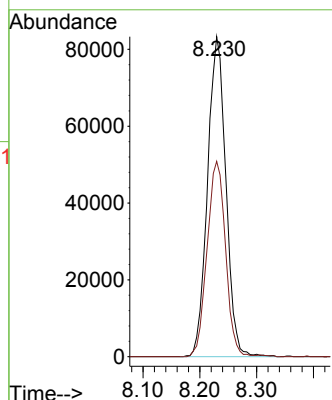
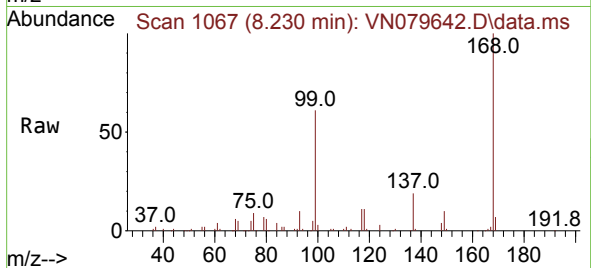
ClientSampleId :

Tgt Ion:168 Resp: 186397

Ion Ratio Lower Upper

168 100

99 61.0 53.0 79.6



#3

Chloromethane

Concen: 0.202 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.006 min

Lab File: VN079642.D

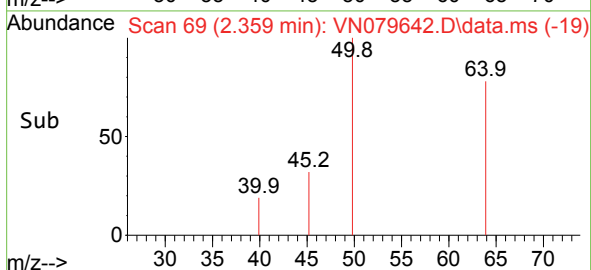
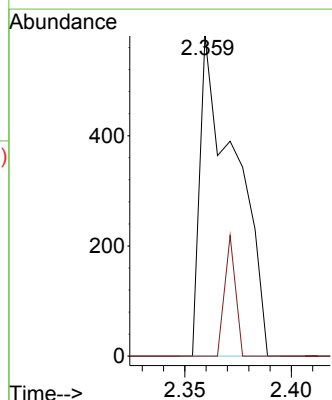
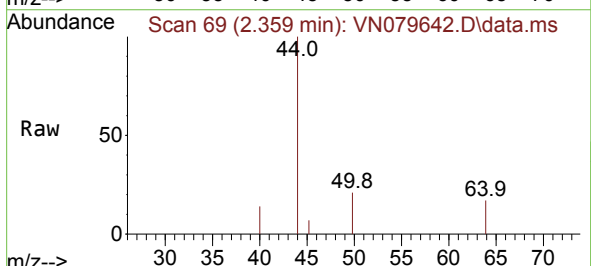
Acq: 23 Oct 2023 12:35

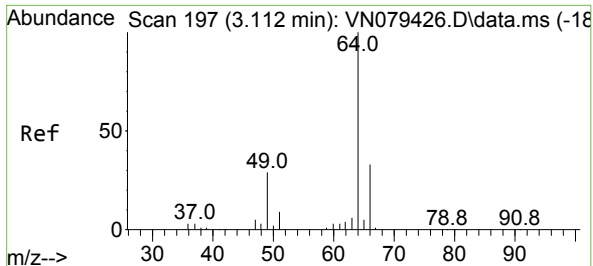
Tgt Ion: 50 Resp: 673

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

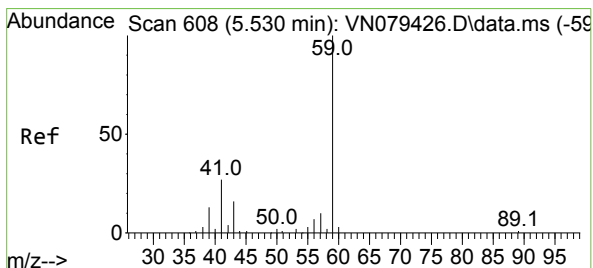
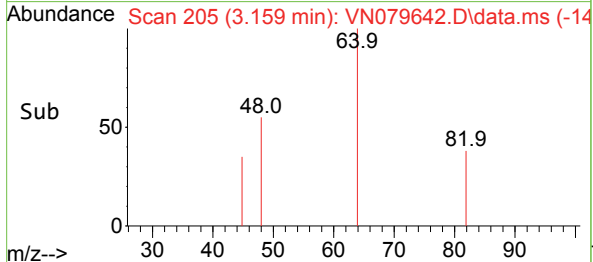
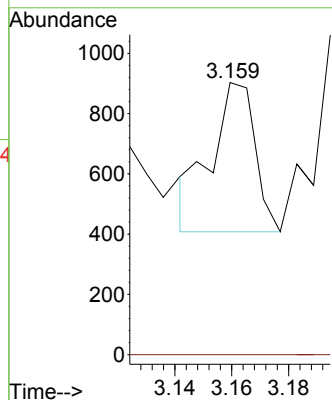
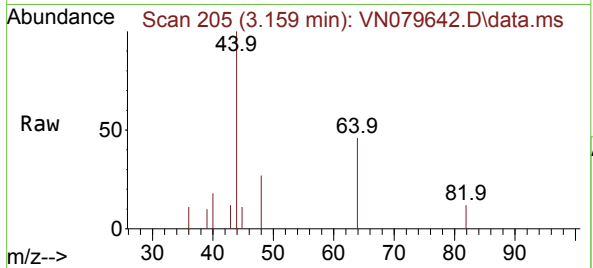




#6
Chloroethane
Concen: 0.204 ug/l
RT: 3.159 min Scan# 205
Delta R.T. 0.047 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

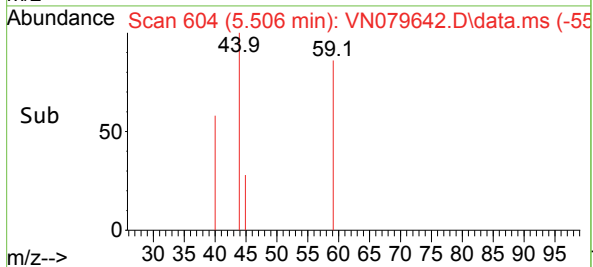
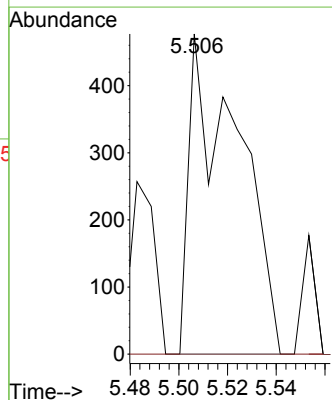
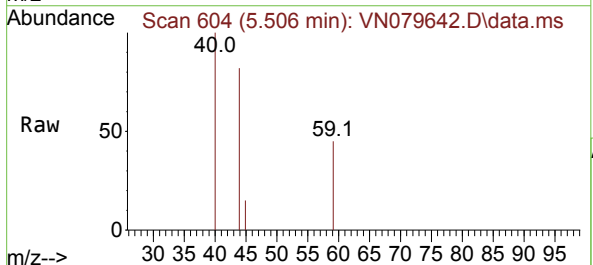
Instrument :
MSVOA_N
ClientSampleId :

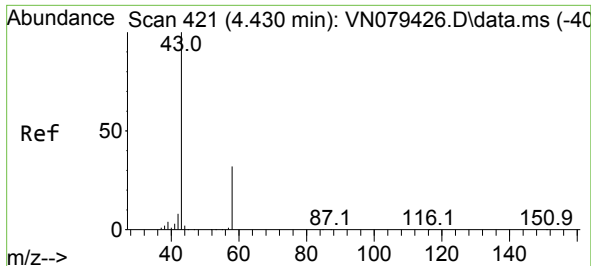
Tgt Ion: 64 Resp: 532
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.471 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.024 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Tgt Ion: 59 Resp: 669
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

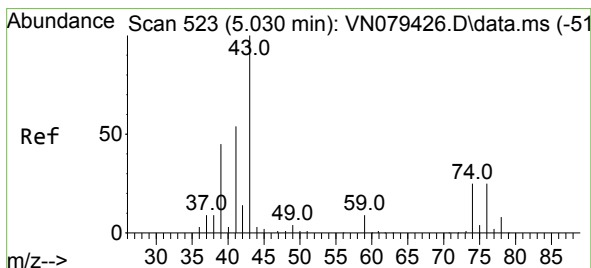
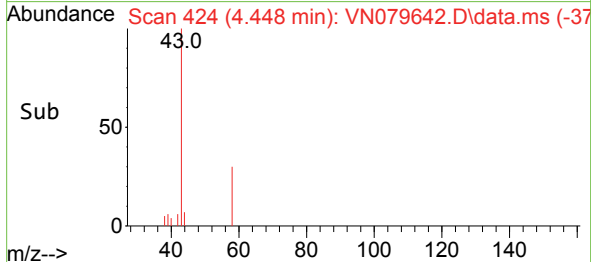
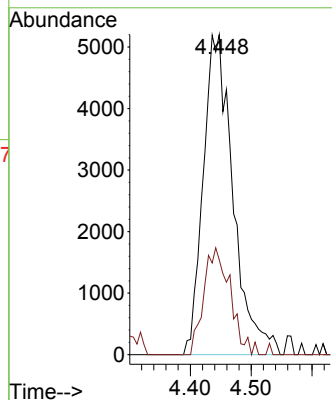
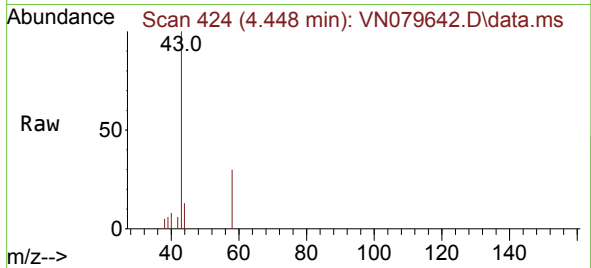




#16
Acetone
Concen: 14.785 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

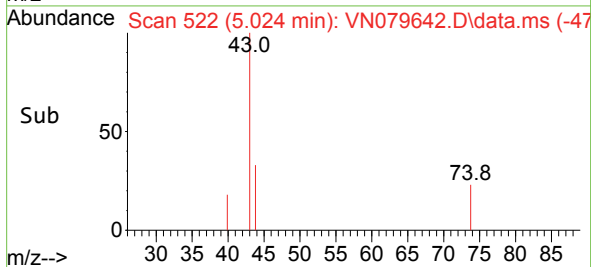
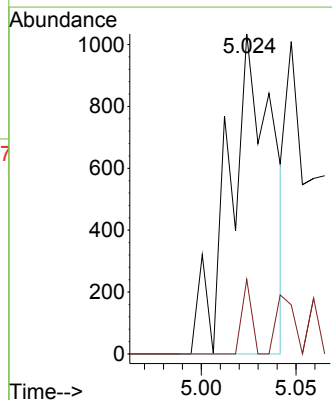
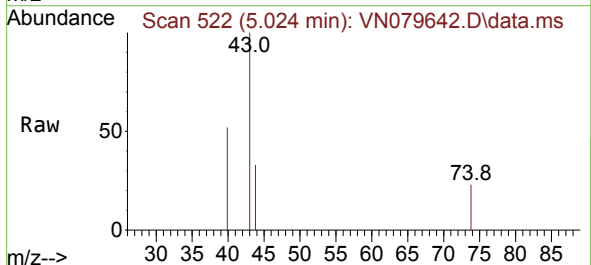
Instrument :
MSVOA_N
ClientSampleId :

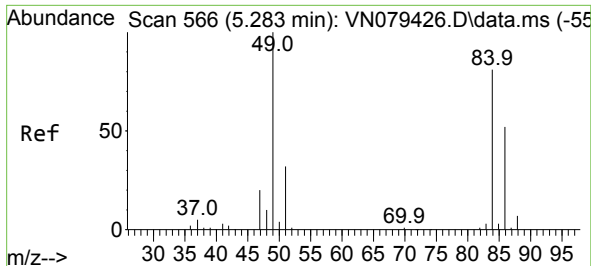
Tgt Ion: 43 Resp: 17723
Ion Ratio Lower Upper
43 100
58 29.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.280 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.006 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

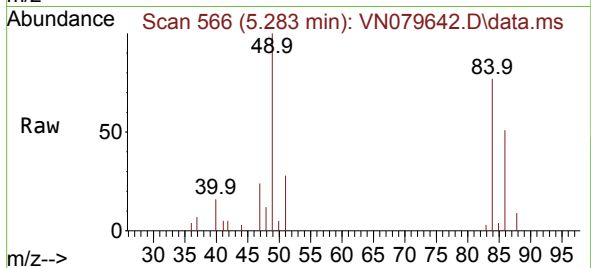
Tgt Ion: 43 Resp: 1643
Ion Ratio Lower Upper
43 100
74 5.2 26.2 39.4#



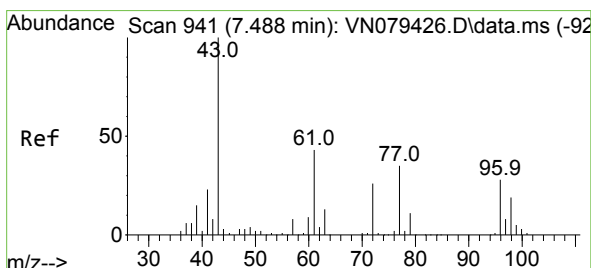
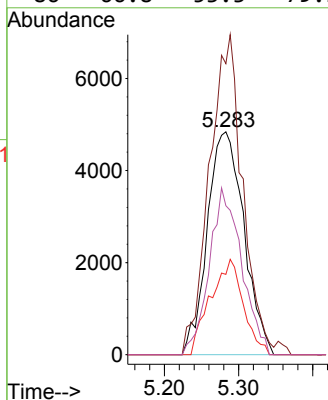
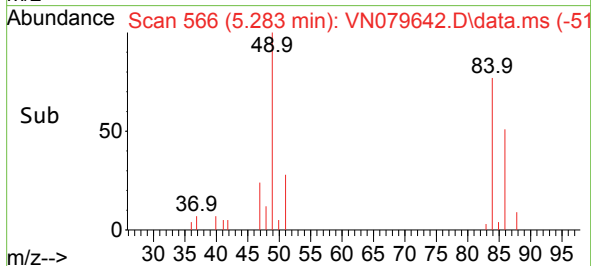


#20
Methylene Chloride
Concen: 5.797 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Instrument :
MSVOA_N
ClientSampleId :

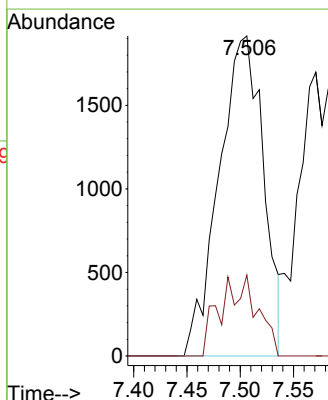
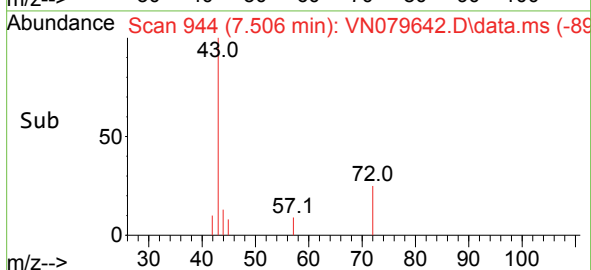
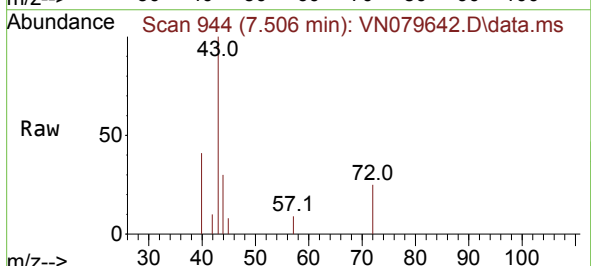


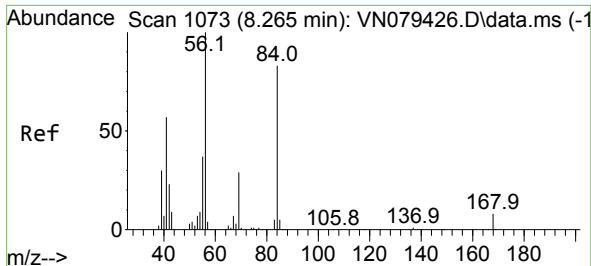
Tgt Ion:	84	Resp:	16615
Ion	Ratio	Lower	Upper
84	100		
49	130.6	79.7	119.5#
51	36.0	25.2	37.8
86	66.8	53.3	79.9



#25
2-Butanone
Concen: 3.110 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

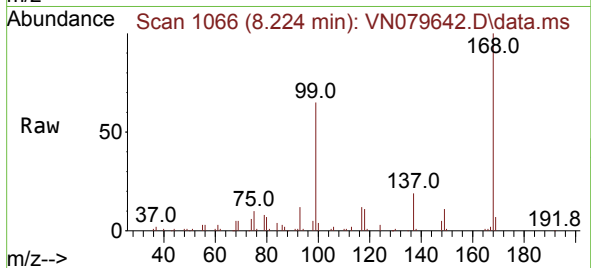
Tgt Ion:	43	Resp:	5534
Ion	Ratio	Lower	Upper
43	100		
72	25.3	30.2	45.2#



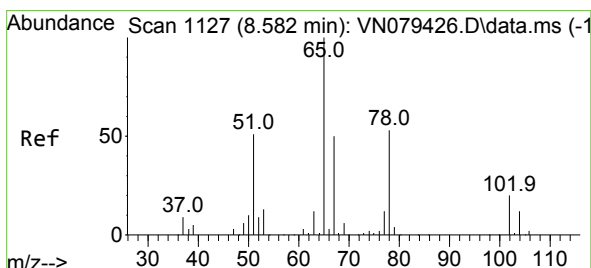
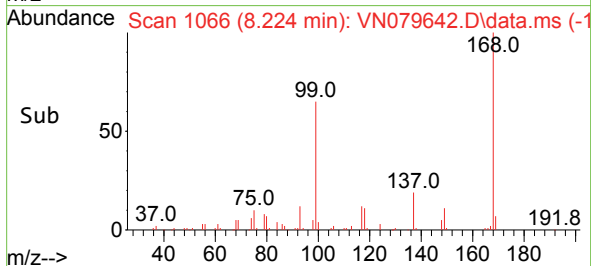
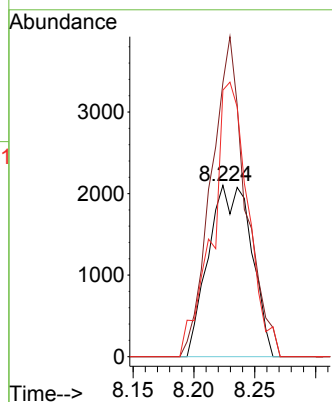


#31
Cyclohexane
Concen: 1.210 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Instrument :
MSVOA_N
ClientSampleId :

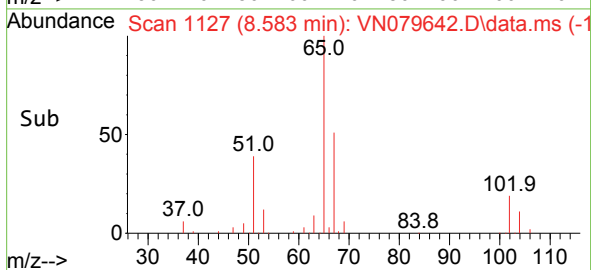
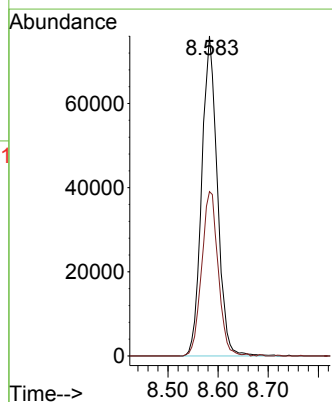
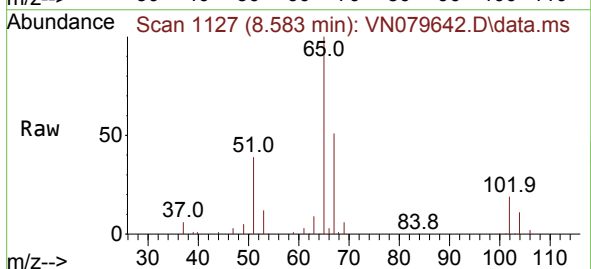


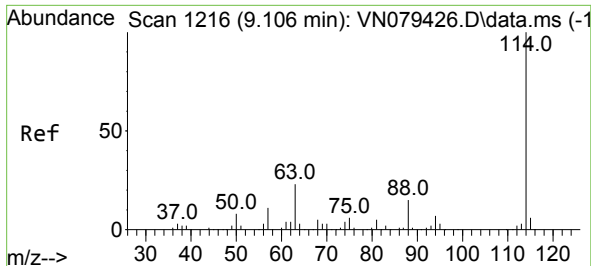
Tgt Ion: 56 Resp: 5188
Ion Ratio Lower Upper
56 100
69 160.0 26.8 40.2#
84 155.5 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 54.423 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Tgt Ion: 65 Resp: 164481
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079642.D

Acq: 23 Oct 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

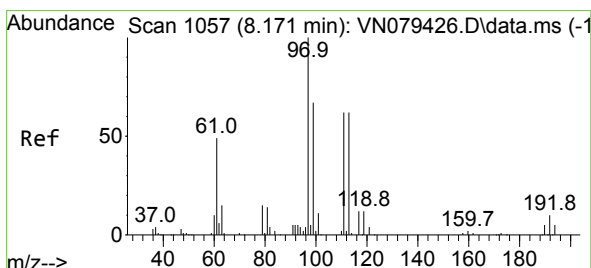
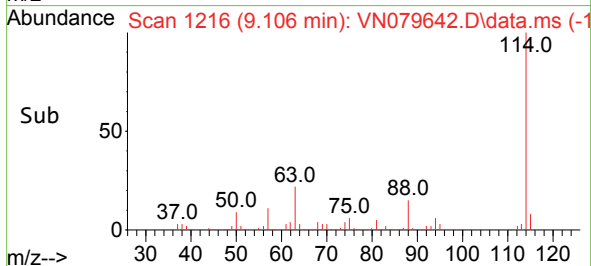
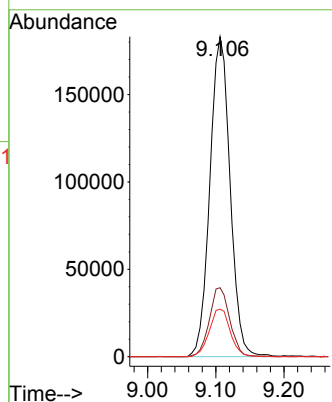
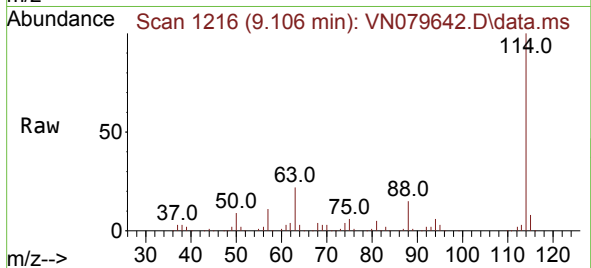
Tgt Ion:114 Resp: 377597

Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.154 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN079642.D

Acq: 23 Oct 2023 12:35

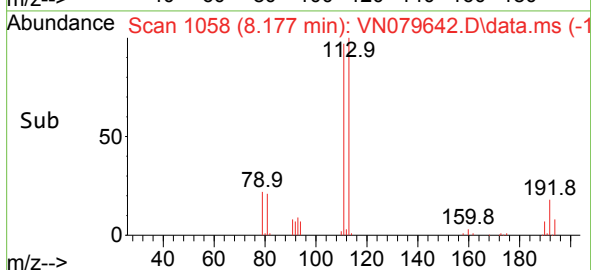
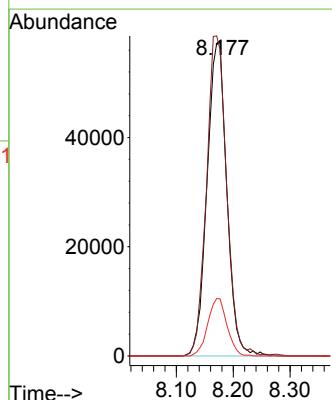
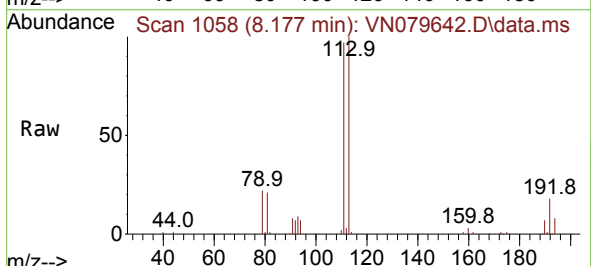
Tgt Ion:113 Resp: 138809

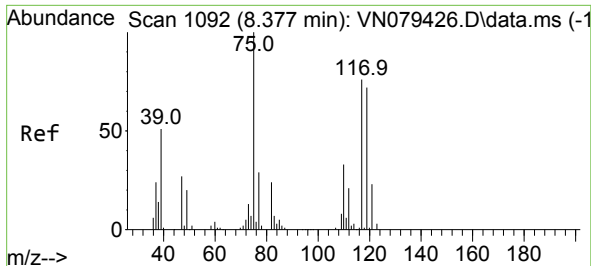
Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

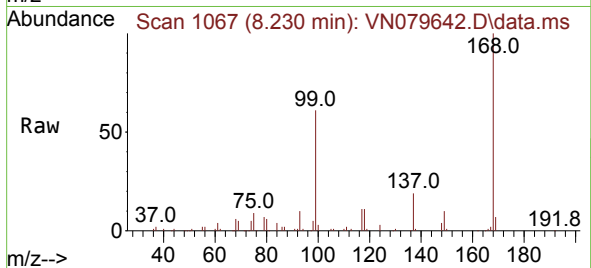
192 17.8 12.7 19.1



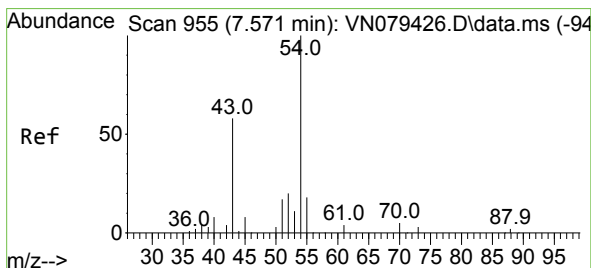
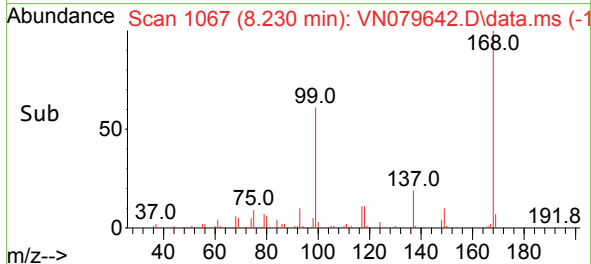
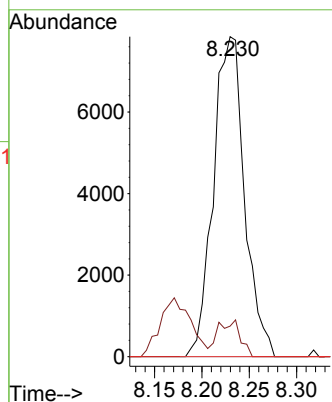


#36
1,1-Dichloropropene
Concen: 4.409 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Instrument :
MSVOA_N
ClientSampleId :

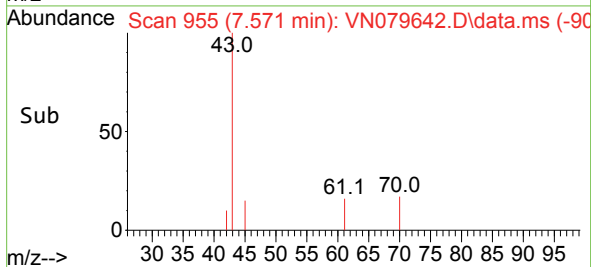
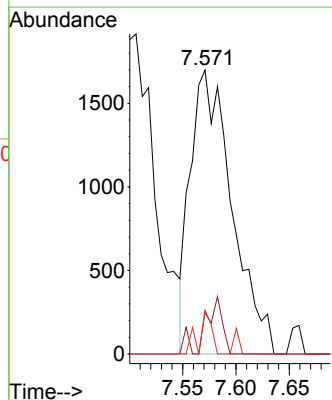
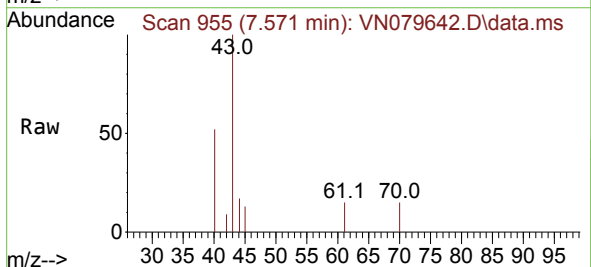


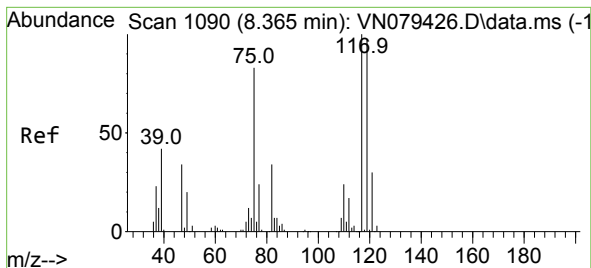
Tgt Ion: 75 Resp: 17956
Ion Ratio Lower Upper
75 100
110 8.2 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.139 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.000 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Tgt Ion: 43 Resp: 4616
Ion Ratio Lower Upper
43 100
61 7.1 13.2 19.8#
70 4.5 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.936 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

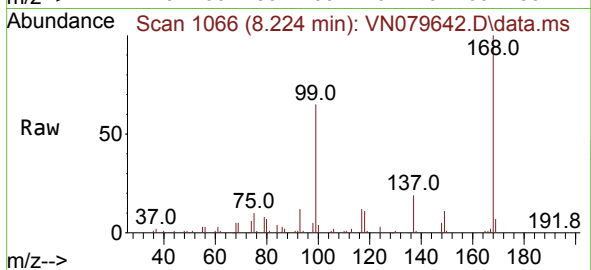
Lab File: VN079642.D

Acq: 23 Oct 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :



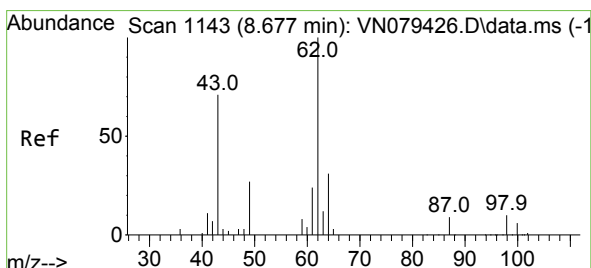
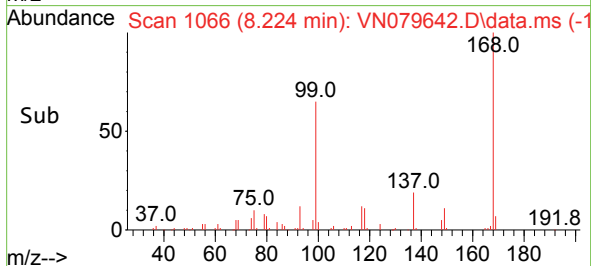
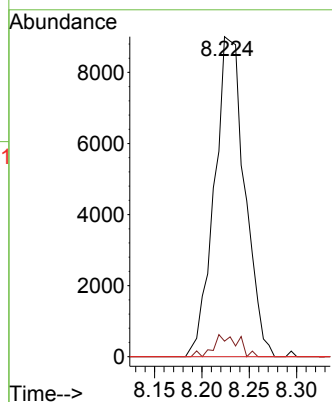
Tgt Ion:117 Resp: 20123

Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.273 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN079642.D

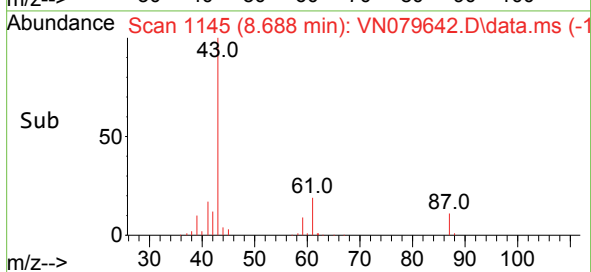
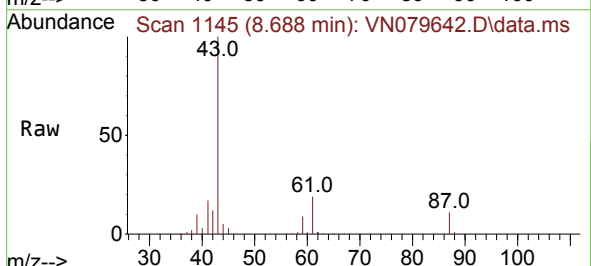
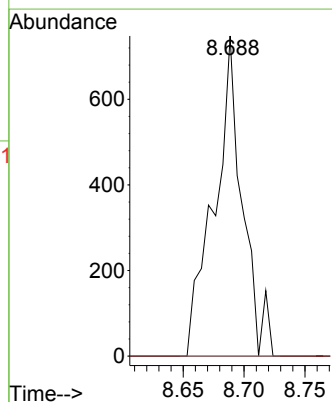
Acq: 23 Oct 2023 12:35

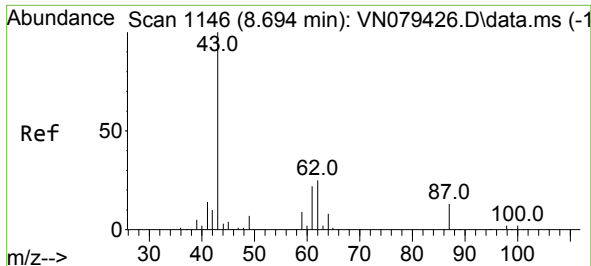
Tgt Ion: 62 Resp: 1201

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

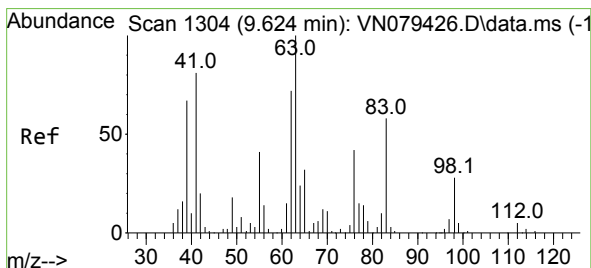
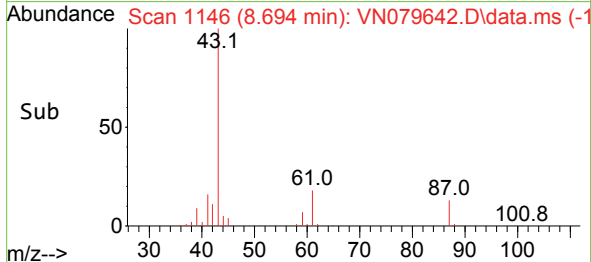
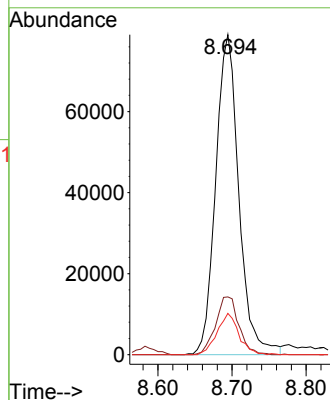
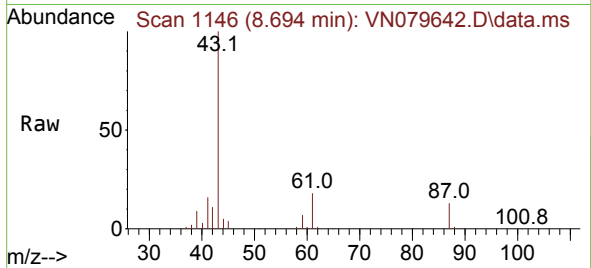




#43
Isopropyl Acetate
Concen: 24.132 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

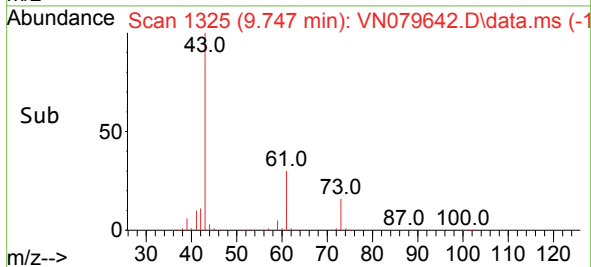
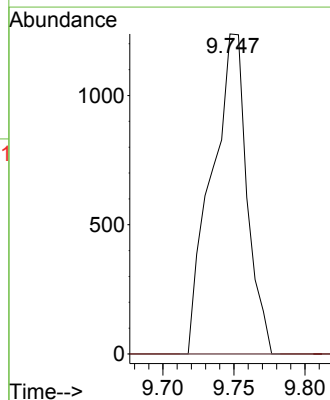
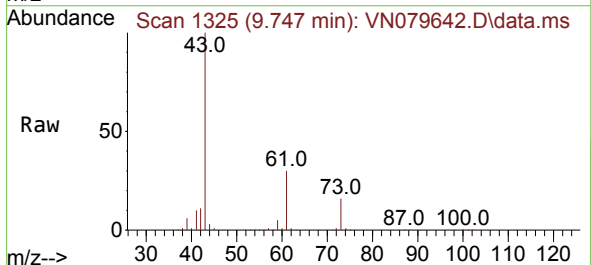
Instrument :
MSVOA_N
ClientSampleId :

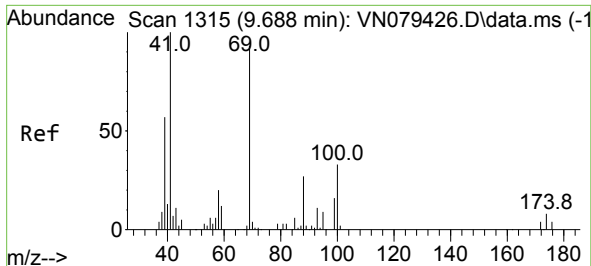
Tgt Ion: 43 Resp: 171329
Ion Ratio Lower Upper
43 100
61 18.1 24.7 37.1#
87 12.1 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.673 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

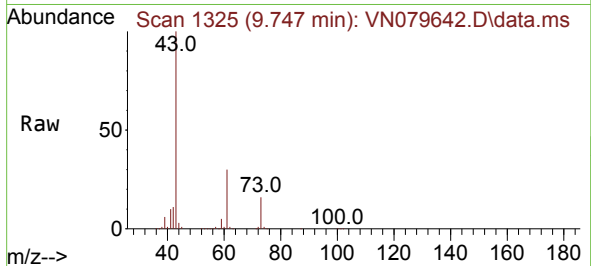
Tgt Ion: 63 Resp: 2146
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



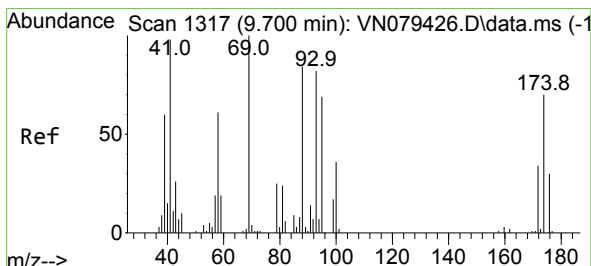
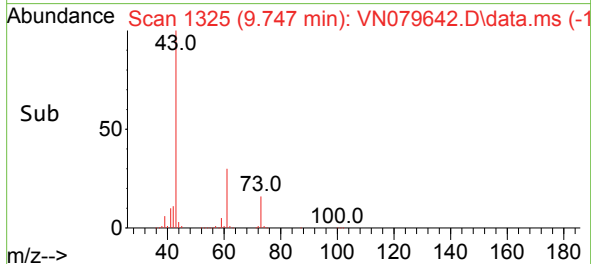
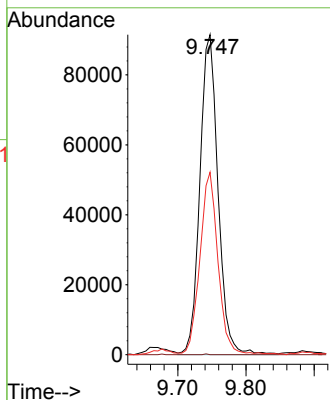


#48
Methyl methacrylate
Concen: 55.600 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Instrument :
MSVOA_N
ClientSampleId :

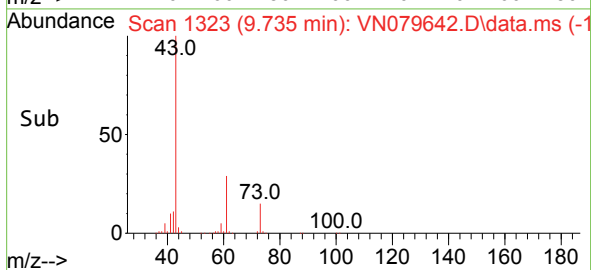
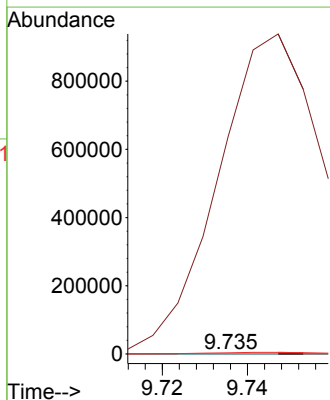
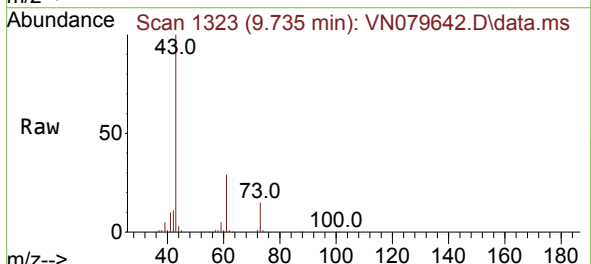


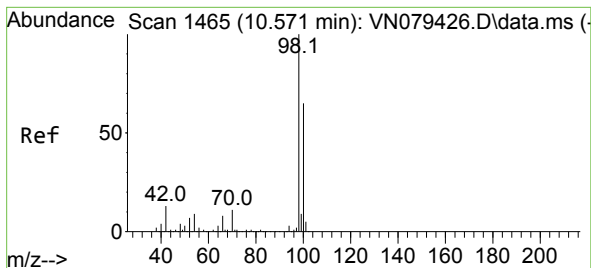
Tgt Ion: 41 Resp: 169155
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 57.1 54.6 81.8



#49
1,4-Dioxane
Concen: 1.517 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.035 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 2001925.9 17.0 25.6#
58 10904.7 47.0 70.4#

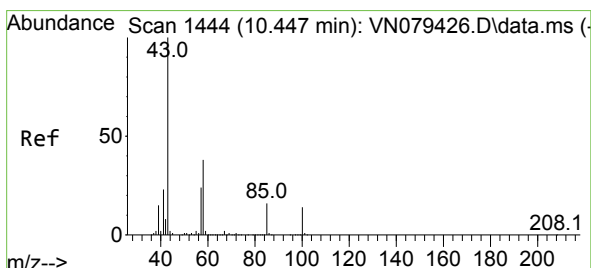
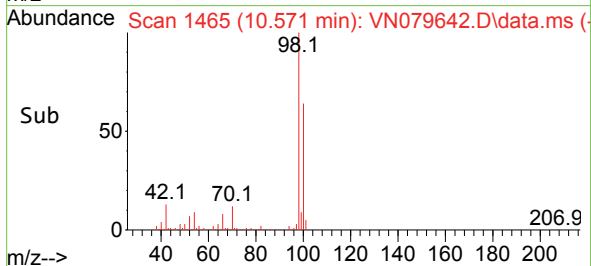
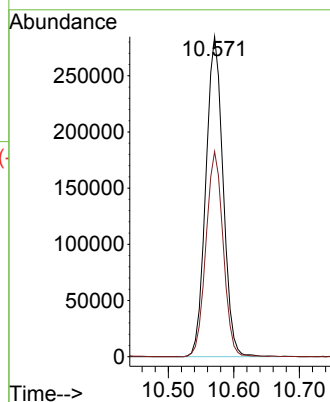
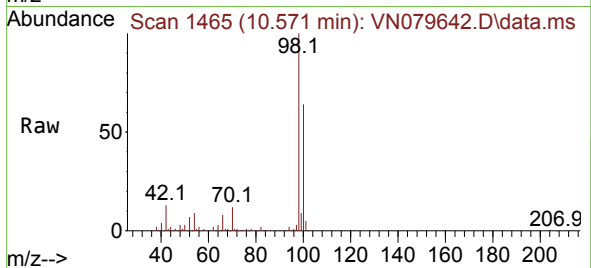




#50
Toluene-d8
Concen: 53.024 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

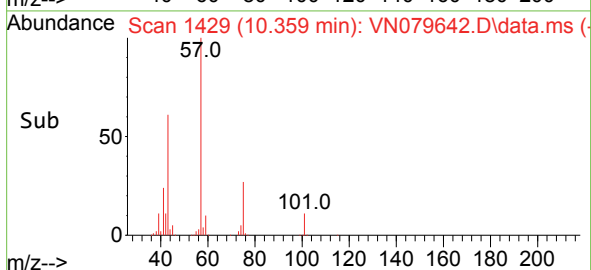
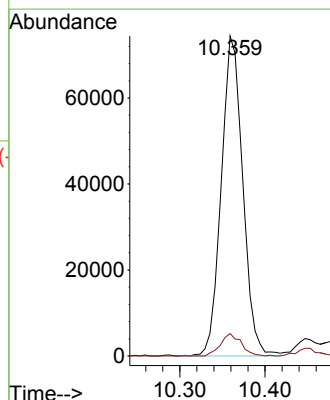
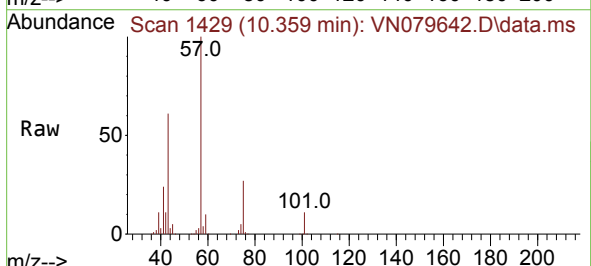
Instrument :
MSVOA_N
ClientSampleId :

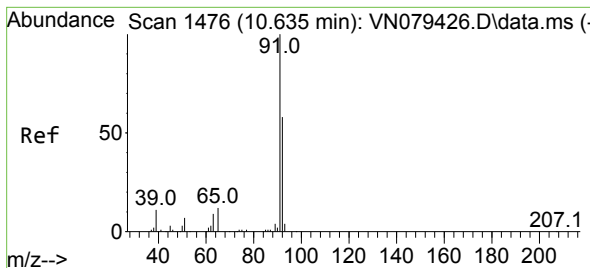
Tgt Ion: 98 Resp: 520616
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 32.614 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Tgt Ion: 43 Resp: 130709
Ion Ratio Lower Upper
43 100
58 6.7 36.6 54.8#





#52

Toluene

Concen: 0.282 ug/l

RT: 10.635 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN079642.D

Acq: 23 Oct 2023 12:35

Instrument :

MSVOA_N

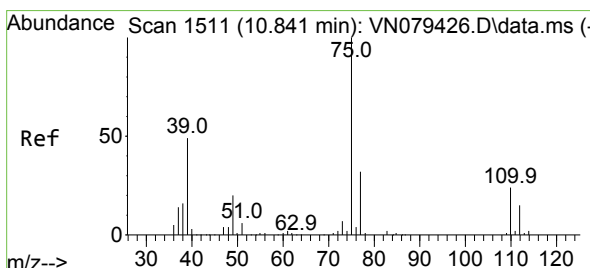
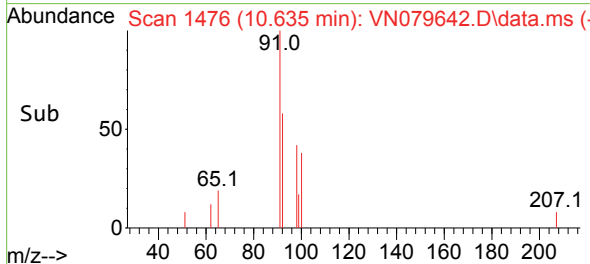
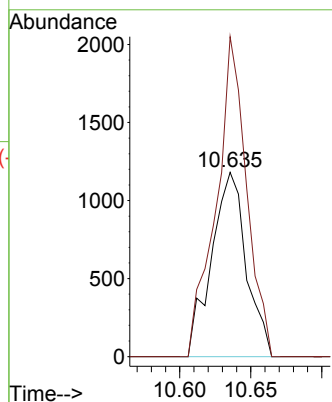
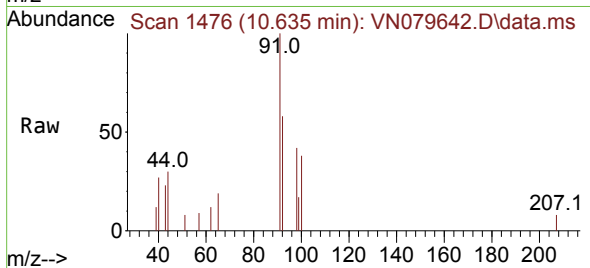
ClientSampleId :

Tgt Ion: 92 Resp: 2009

Ion Ratio Lower Upper

92 100

91 152.8 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 0.259 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.106 min

Lab File: VN079642.D

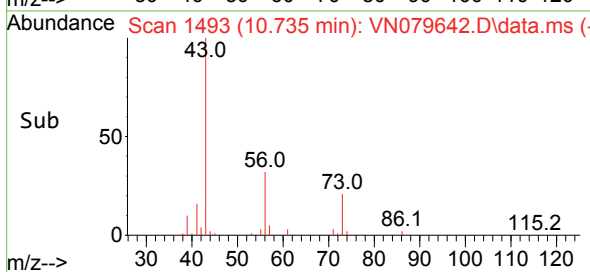
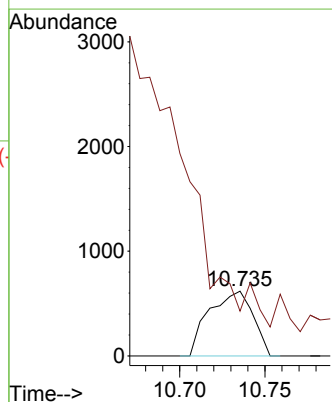
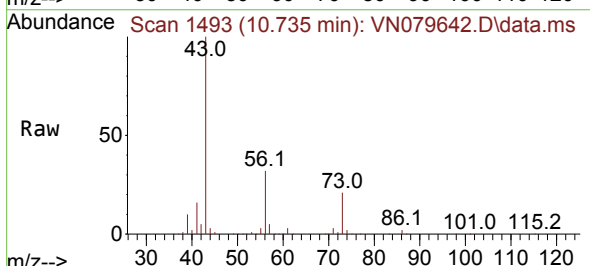
Acq: 23 Oct 2023 12:35

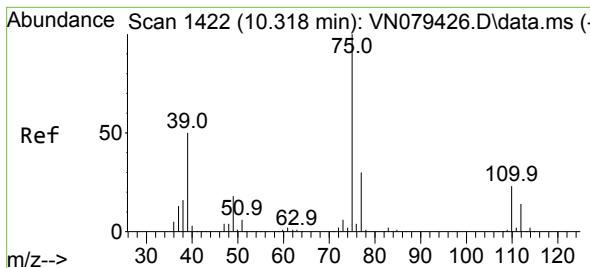
Tgt Ion: 75 Resp: 1108

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

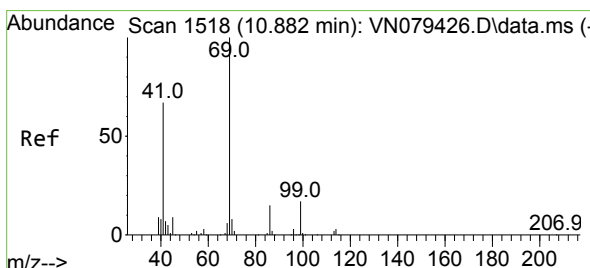
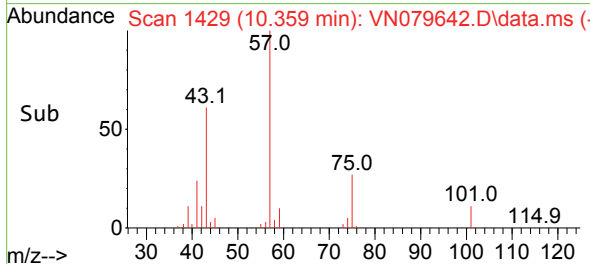
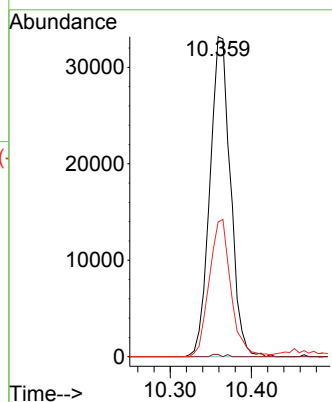
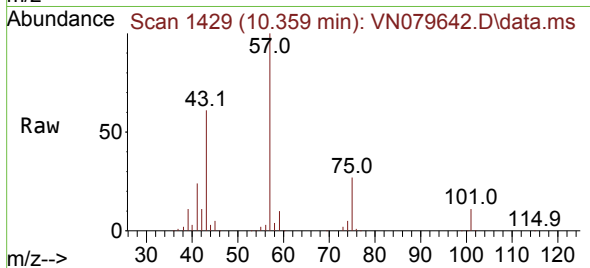




#54
 cis-1,3-Dichloropropene
 Concen: 12.463 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079642.D
 Acq: 23 Oct 2023 12:35

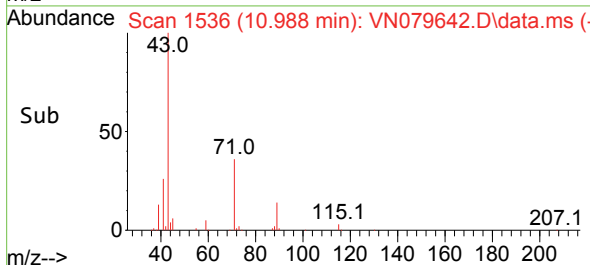
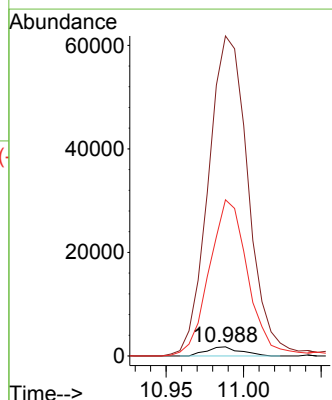
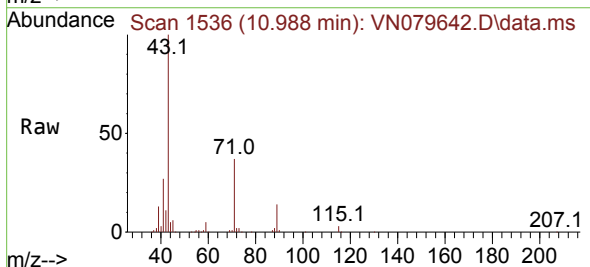
Instrument :
 MSVOA_N
 ClientSampleId :

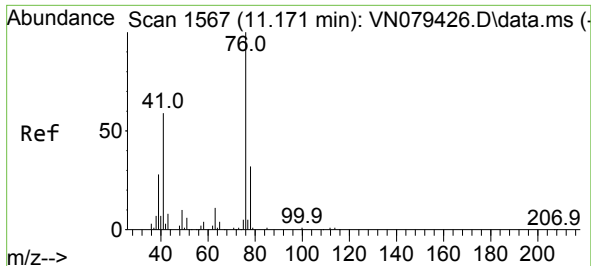
Tgt Ion: 75 Resp: 58371
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 42.1 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.685 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079642.D
 Acq: 23 Oct 2023 12:35

Tgt Ion: 69 Resp: 2692
 Ion Ratio Lower Upper
 69 100
 41 4122.6 39.6 59.4#
 39 1946.0 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.762 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

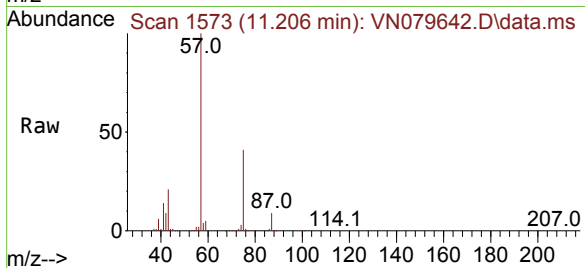
Lab File: VN079642.D

Acq: 23 Oct 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :

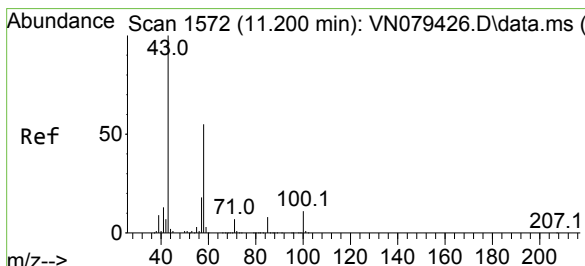
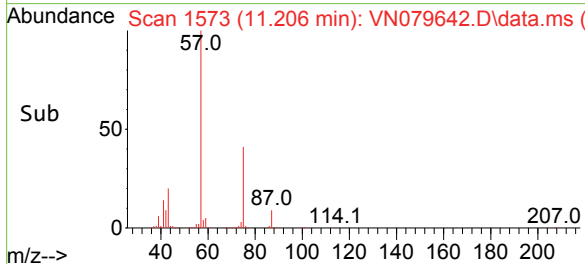
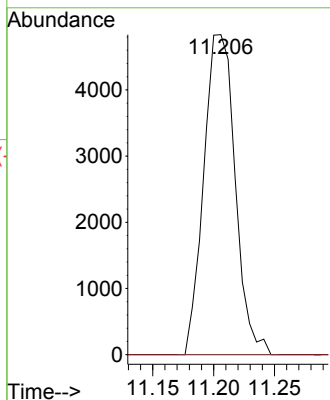


Tgt Ion: 76 Resp: 8695

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 34.523 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079642.D

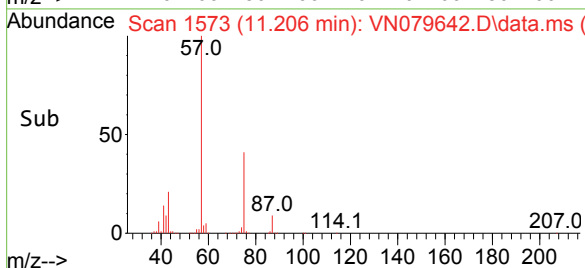
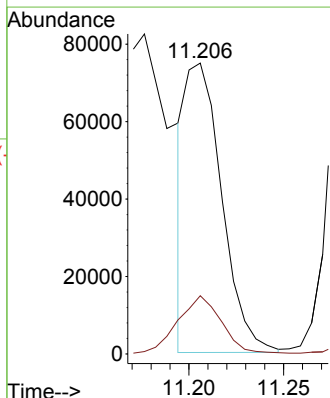
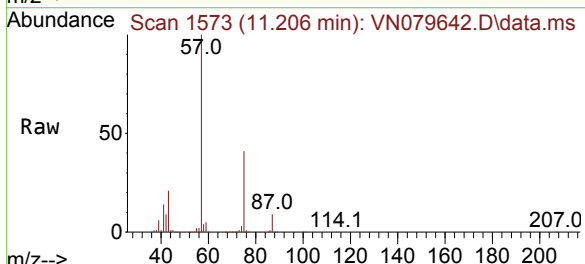
Acq: 23 Oct 2023 12:35

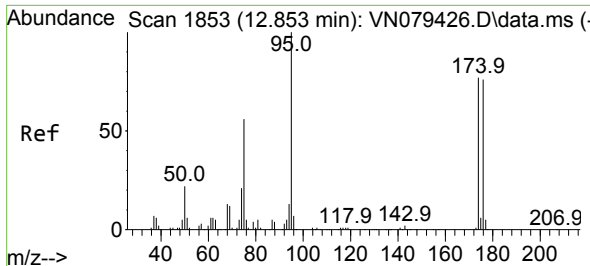
Tgt Ion: 43 Resp: 99843

Ion Ratio Lower Upper

43 100

58 24.5 31.7 95.1#

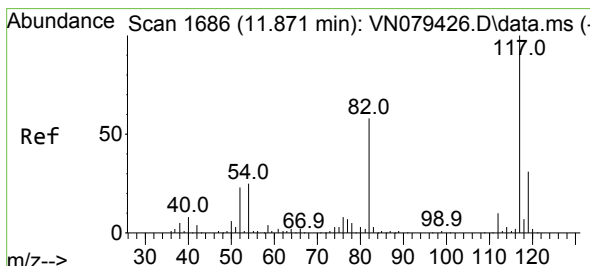
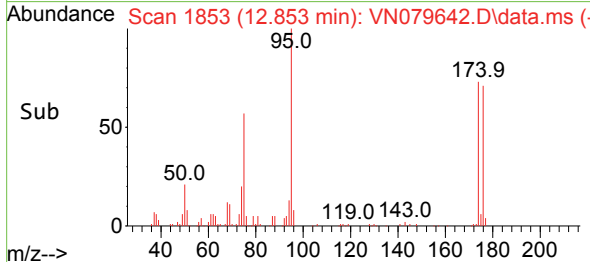
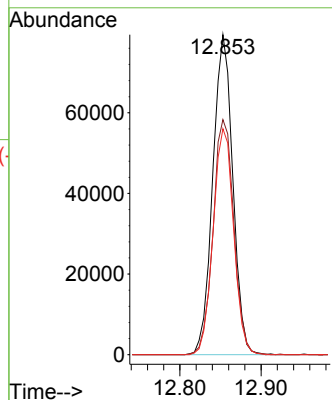
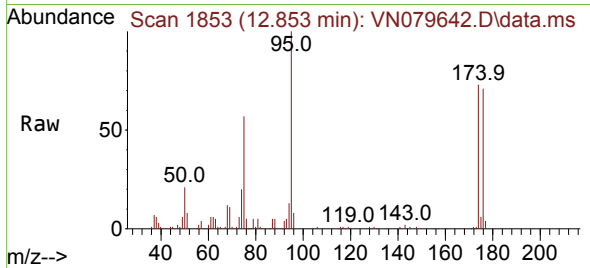




#62
4-Bromofluorobenzene
Concen: 43.062 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

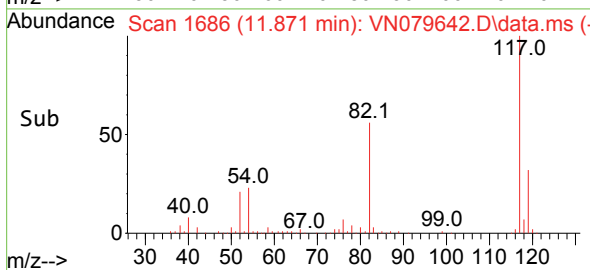
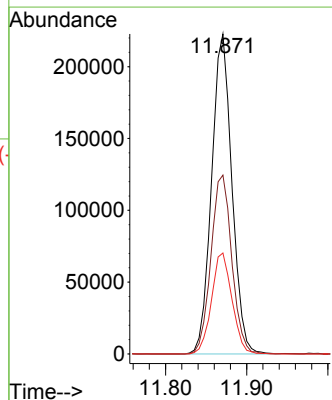
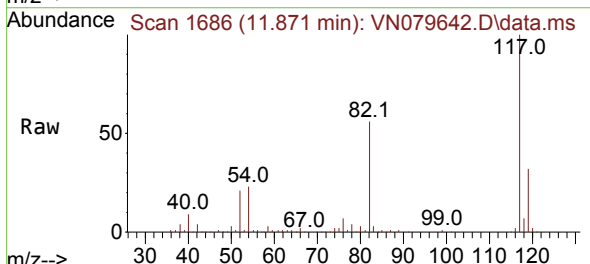
Instrument :
MSVOA_N
ClientSampleId :

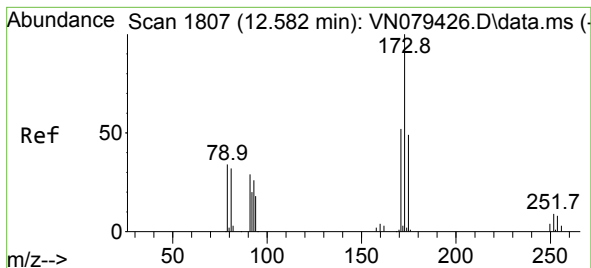
Tgt Ion: 95 Resp: 135685
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 72.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079642.D
Acq: 23 Oct 2023 12:35

Tgt Ion: 117 Resp: 386766
Ion Ratio Lower Upper
117 100
82 55.9 44.0 66.0
119 31.6 25.6 38.4





#71

Bromoform

Concen: 0.579 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

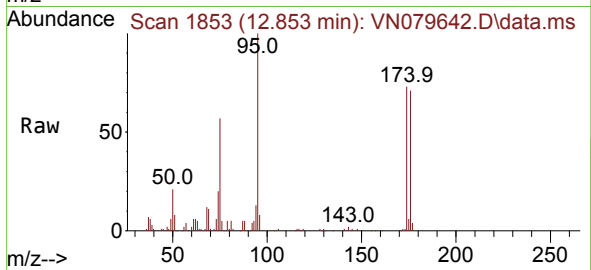
Lab File: VN079642.D

Acq: 23 Oct 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :



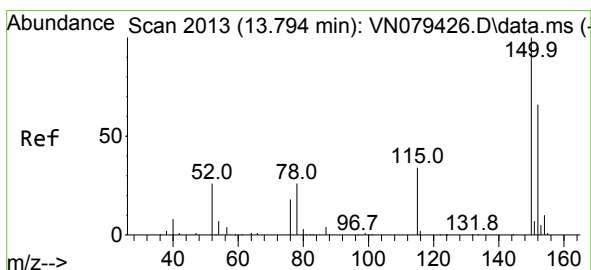
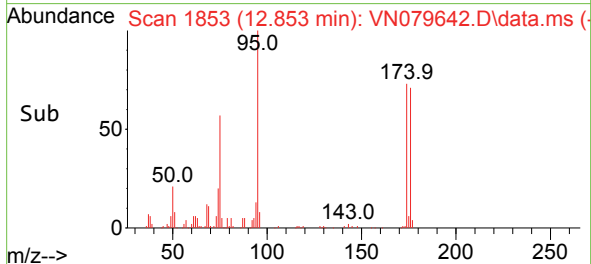
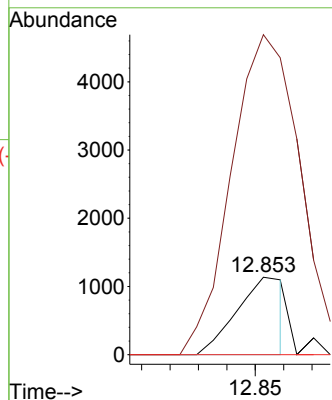
Tgt Ion:173 Resp: 1336

Ion Ratio Lower Upper

173 100

175 451.7 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: VN079642.D

Acq: 23 Oct 2023 12:35

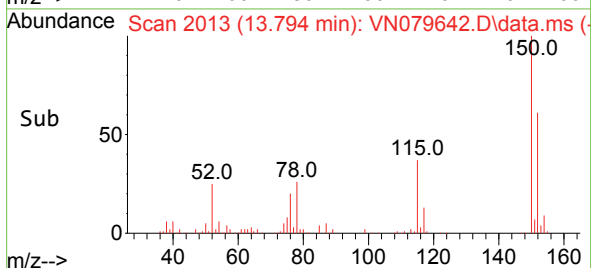
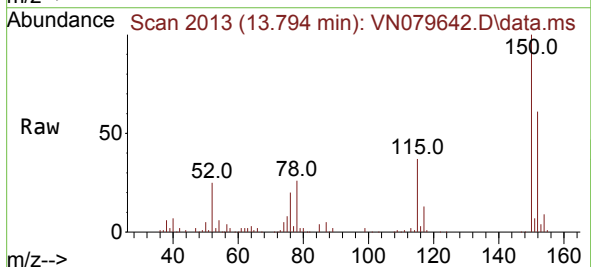
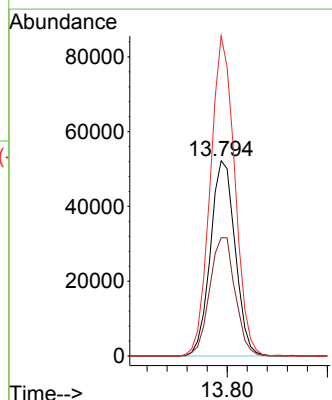
Tgt Ion:152 Resp: 89385

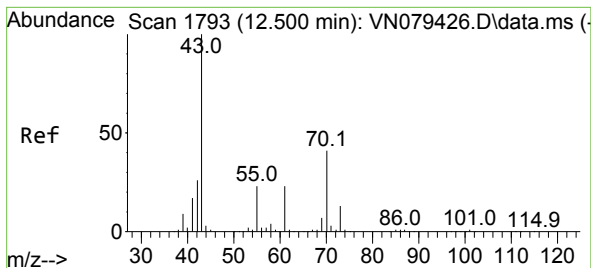
Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 162.4 0.0 355.8





#74

N-amy1 acetate

Concen: 0.607 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

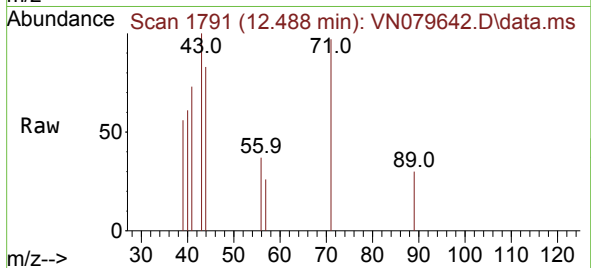
Lab File: VN079642.D

Acq: 23 Oct 2023 12:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 2070

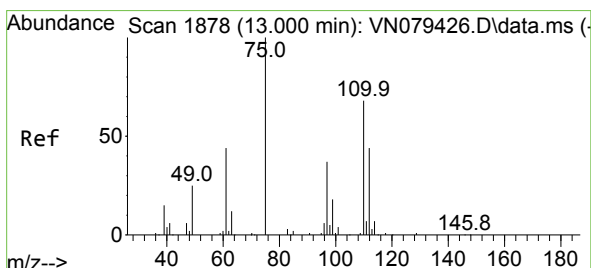
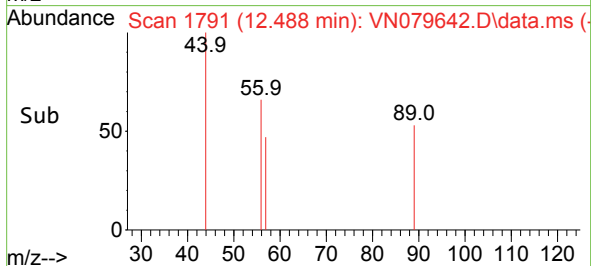
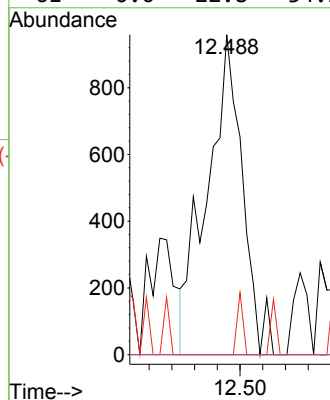
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 3.2 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 29.399 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079642.D

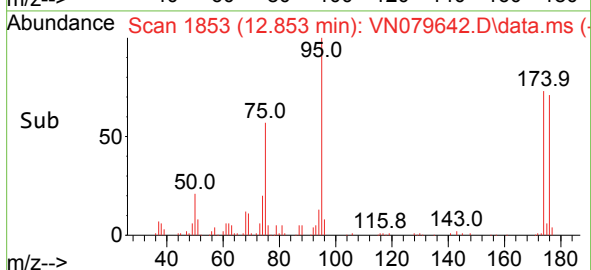
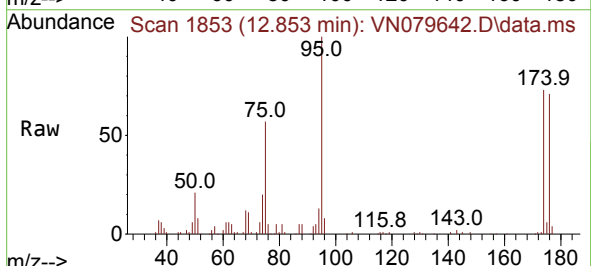
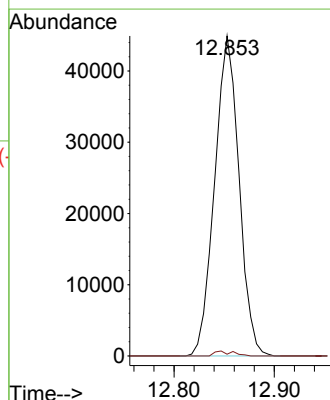
Acq: 23 Oct 2023 12:35

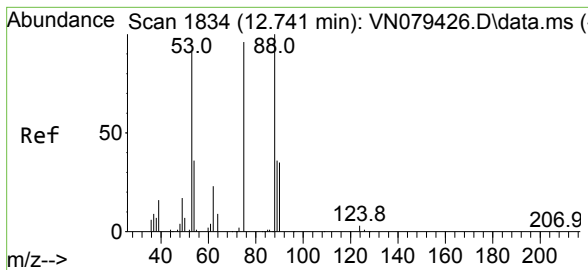
Tgt Ion: 75 Resp: 75767

Ion Ratio Lower Upper

75 100

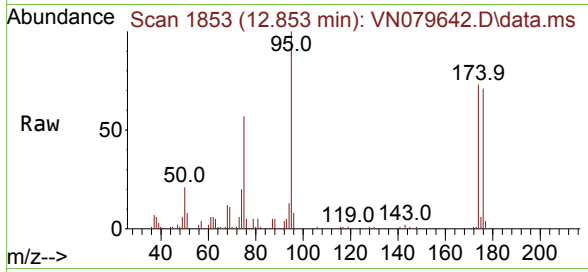
77 1.2 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.302 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079642.D
 Acq: 23 Oct 2023 12:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	75767
Ion	Ratio	Lower	Upper
75	100		
53	0.0	67.4	101.2#
89	0.0	38.8	58.2#

