

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079408.D
 Acq On : 04 Oct 2023 17:11
 Operator : JC\MD
 Sample : PB156087ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 02:23:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

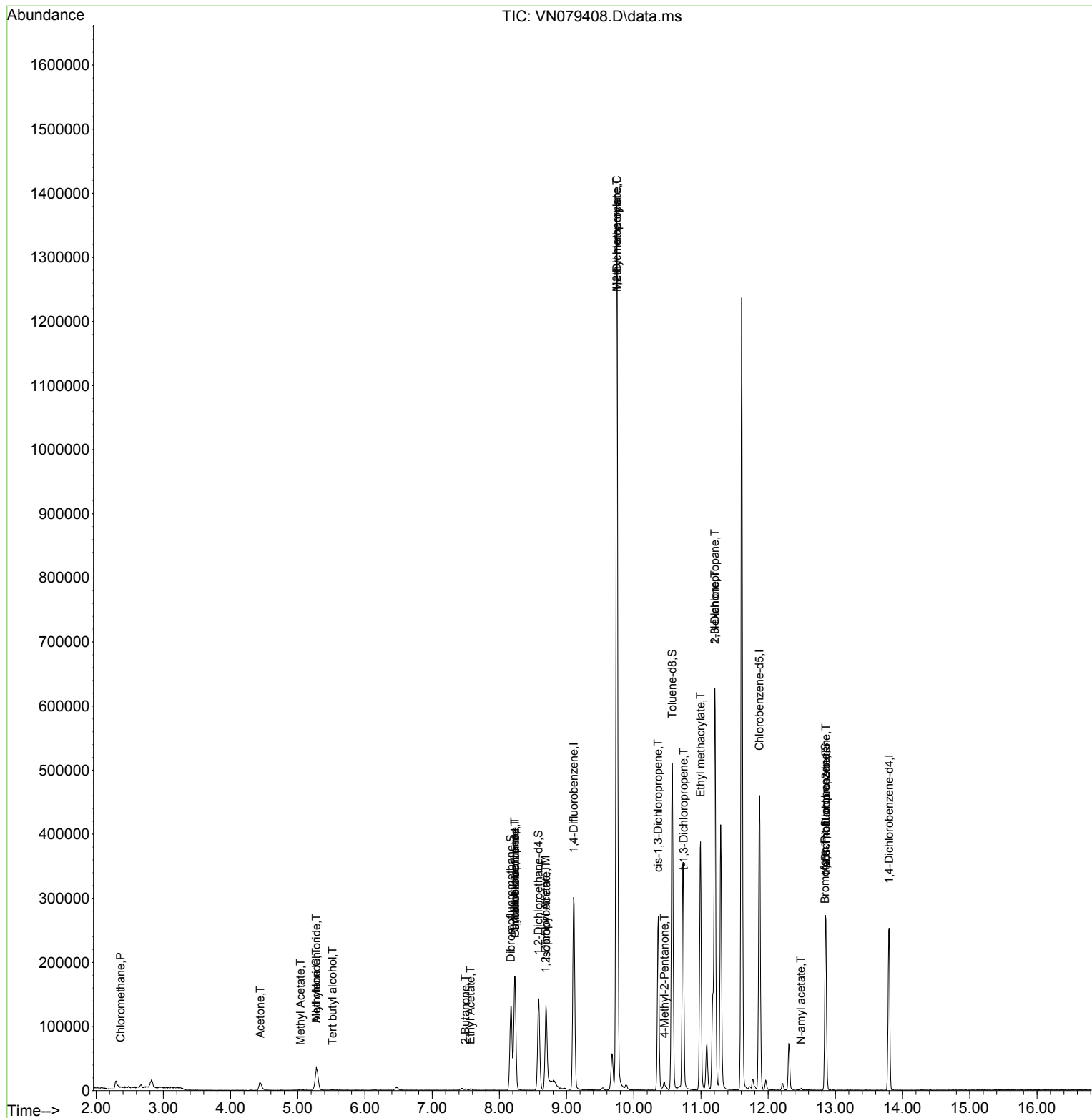
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	123759	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	257256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	261318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	65968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	113996	68.235	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 136.480%#	
35) Dibromofluoromethane	8.171	113	93607	54.702	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.400%	
50) Toluene-d8	10.570	98	342133	54.451	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.900%	
62) 4-Bromofluorobenzene	12.853	95	93914	46.857	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.720%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	973	0.605	ug/l	94
6) Chloroethane	3.147	64	144	Below Cal	#	43
11) Tert butyl alcohol	5.518	59	346	1.122	ug/l #	72
14) Allyl chloride	5.277	41	871	0.414	ug/l #	19
16) Acetone	4.441	43	24104	33.972	ug/l	91
18) Methyl Acetate	5.041	43	2664	0.914	ug/l #	48
20) Methylene Chloride	5.277	84	25724	14.898	ug/l #	87
25) 2-Butanone	7.494	43	3825	3.716	ug/l #	75
31) Cyclohexane	8.229	56	3507	1.438	ug/l #	55
36) 1,1-Dichloropropene	8.229	75	11828	4.484	ug/l #	47
37) Ethyl Acetate	7.571	43	3544	1.347	ug/l #	73
38) Carbon Tetrachloride	8.235	117	13904	5.094	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	620	0.223	ug/l #	73
43) Isopropyl Acetate	8.694	43	151239	35.232	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	1894	0.945	ug/l #	45
48) Methyl methacrylate	9.747	41	130870	68.063	ug/l #	29
51) 4-Methyl-2-Pentanone	10.459	43	11837	4.750	ug/l #	69
53) t-1,3-Dichloropropene	10.741	75	960	0.327	ug/l #	71
54) cis-1,3-Dichloropropene	10.365	75	44181	14.060	ug/l #	71
56) Ethyl methacrylate	10.994	69	2305	0.839	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6380	1.895	ug/l #	42
59) 2-Hexanone	11.206	43	79943	44.294	ug/l #	48
71) Bromoform	12.847	173	621	0.379	ug/l #	1
74) N-amyl acetate	12.488	43	1413	0.621	ug/l #	36
76) 1,2,3-Trichloropropane	12.859	75	52911	29.760	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.859	75	52911	81.816	ug/l #	15

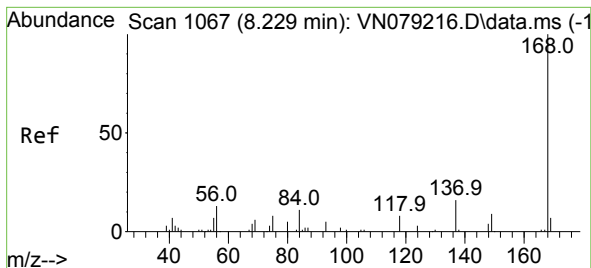
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 10

Delta R.T. 0.005 min

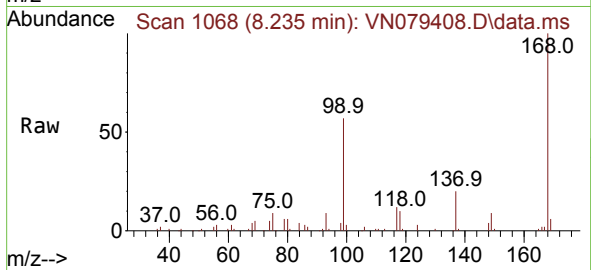
Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :

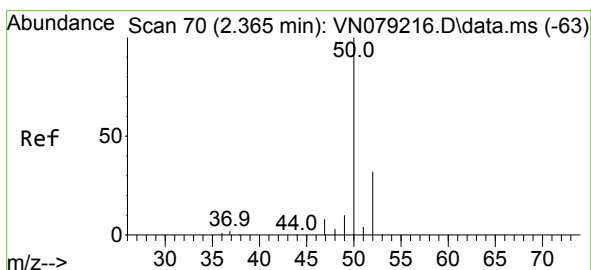
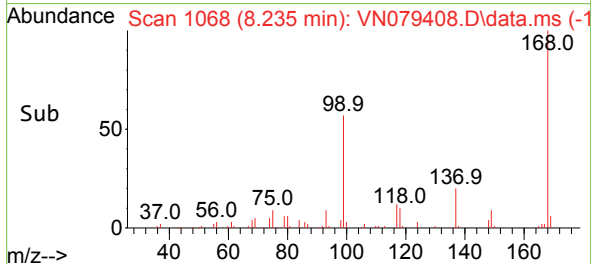
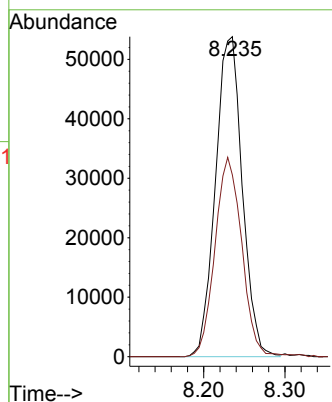


Tgt Ion:168 Resp: 123759

Ion Ratio Lower Upper

168 100

99 56.8 53.0 79.6



#3

Chloromethane

Concen: 0.605 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN079408.D

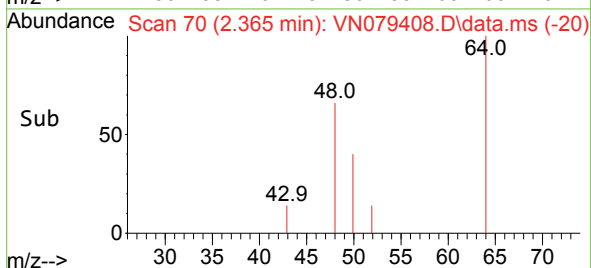
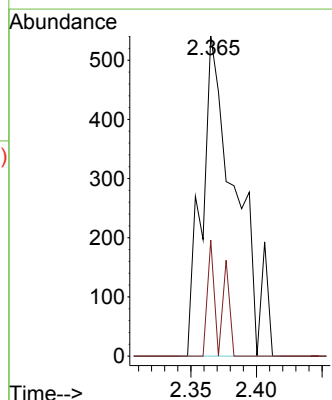
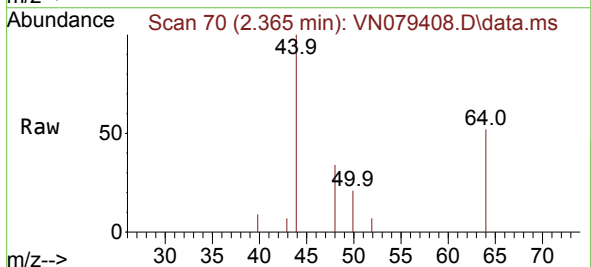
Acq: 04 Oct 2023 17:11

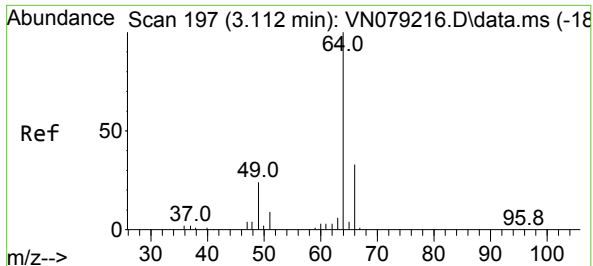
Tgt Ion: 50 Resp: 973

Ion Ratio Lower Upper

50 100

52 36.2 26.5 39.7

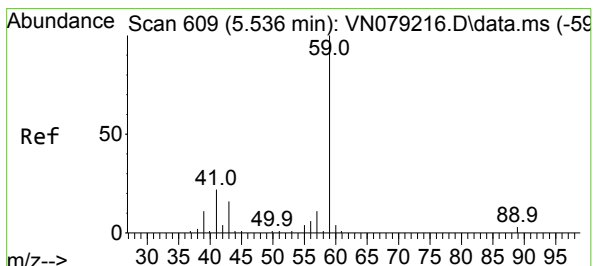
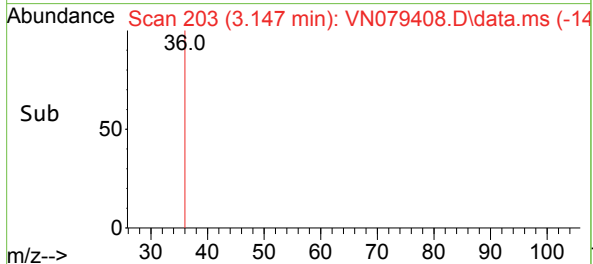
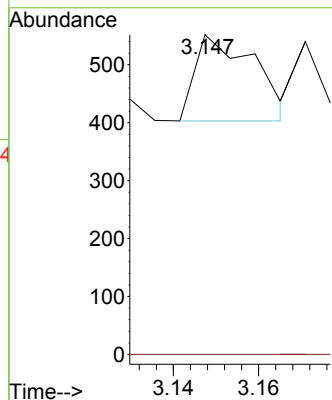
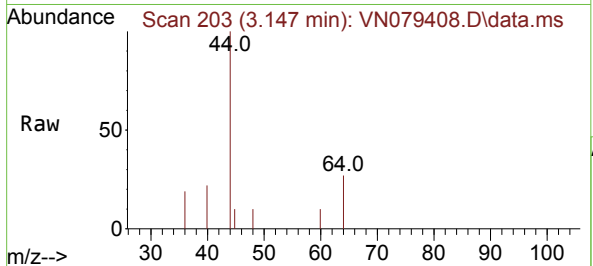




#6
Chloroethane
Concen: Below Cal
RT: 3.147 min Scan# 203
Delta R.T. 0.029 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

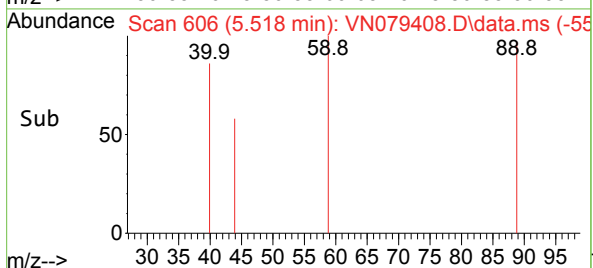
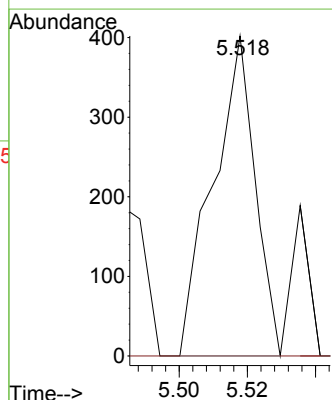
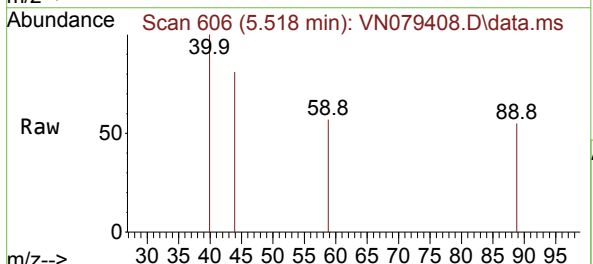
Instrument :
MSVOA_N
ClientSampleId :

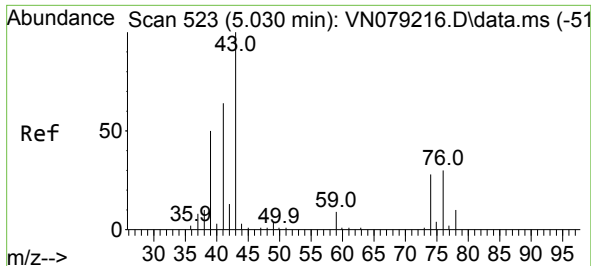
Tgt Ion: 64 Resp: 144
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.122 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.024 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

Tgt Ion: 59 Resp: 346
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#14

Allyl chloride

Concen: 0.414 ug/l

RT: 5.277 min Scan# 5

Delta R.T. 0.247 min

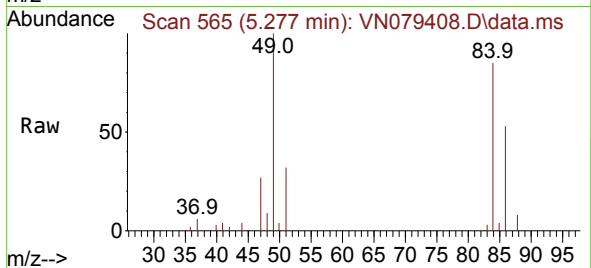
Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

Instrument :

MSVOA_N

ClientSampleId :



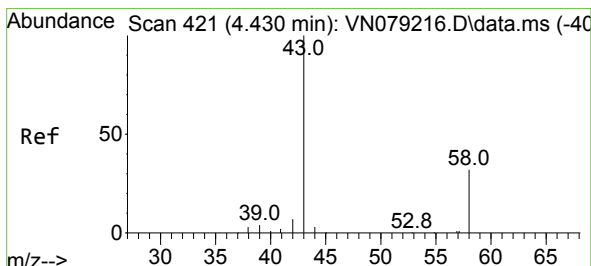
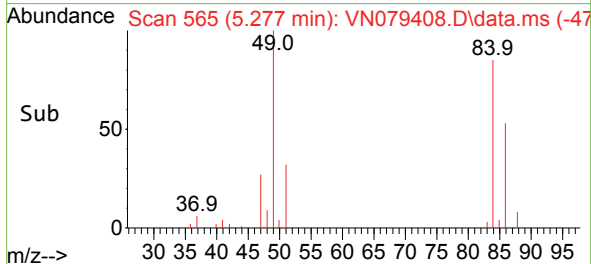
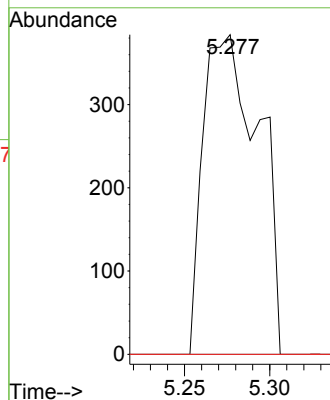
Tgt Ion: 41 Resp: 871

Ion Ratio Lower Upper

41 100

39 0.0 58.8 88.2#

76 0.0 39.1 58.7#



#16

Acetone

Concen: 33.972 ug/l

RT: 4.441 min Scan# 423

Delta R.T. -0.001 min

Lab File: VN079408.D

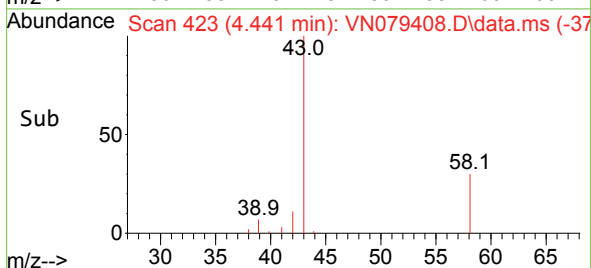
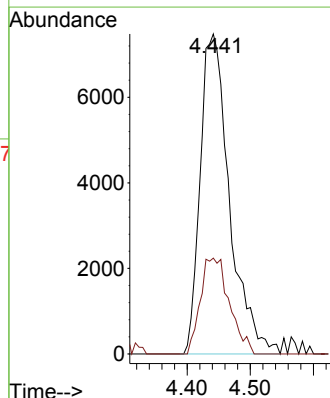
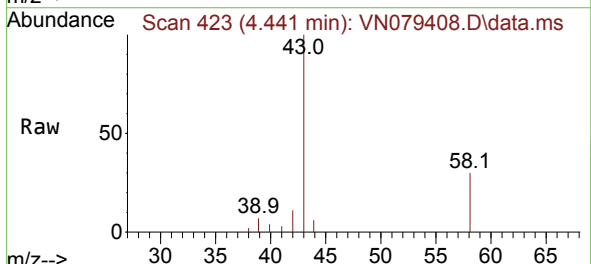
Acq: 04 Oct 2023 17:11

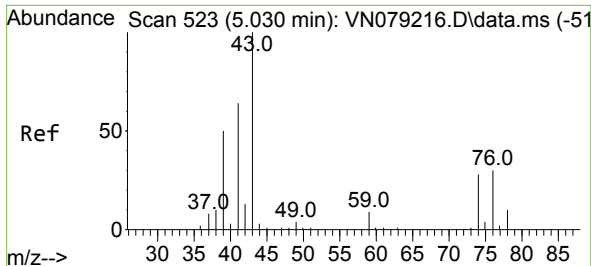
Tgt Ion: 43 Resp: 24104

Ion Ratio Lower Upper

43 100

58 29.9 28.0 42.0





#18

Methyl Acetate

Concen: 0.914 ug/l

RT: 5.041 min Scan# 51

Delta R.T. -0.001 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

Instrument :

MSVOA_N

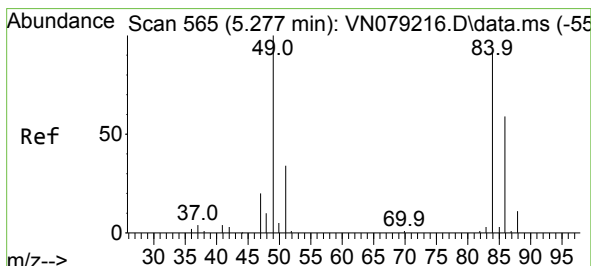
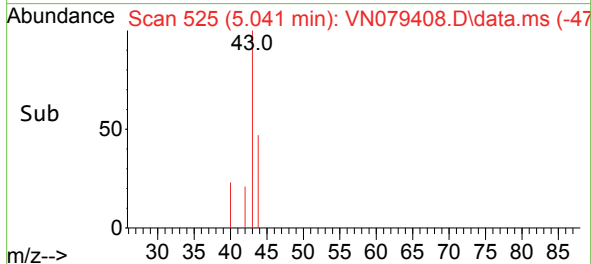
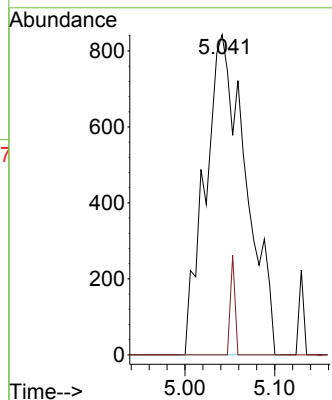
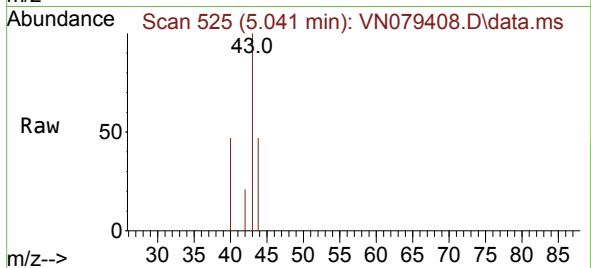
ClientSampleId :

Tgt Ion: 43 Resp: 2664

Ion Ratio Lower Upper

43 100

74 3.5 26.2 39.4#



#20

Methylene Chloride

Concen: 14.898 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

Tgt Ion: 84 Resp: 25724

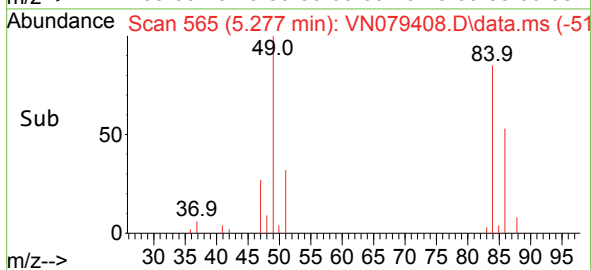
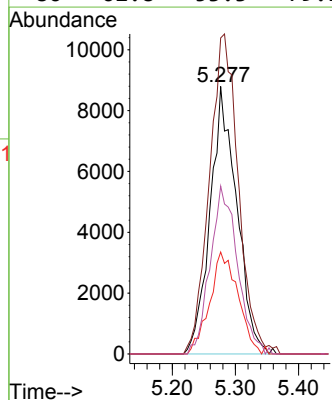
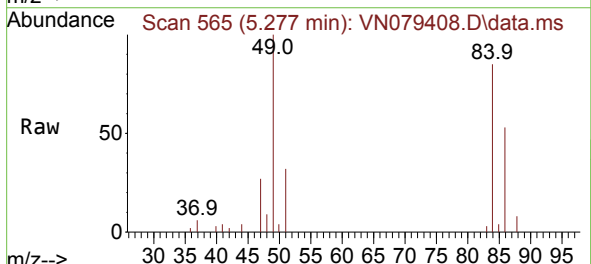
Ion Ratio Lower Upper

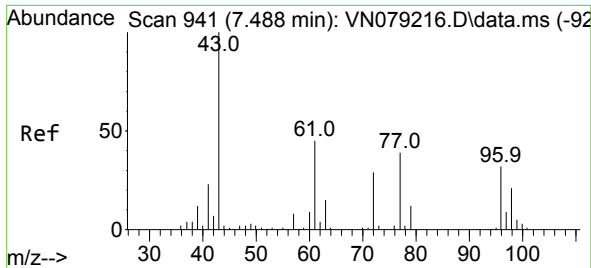
84 100

49 118.1 79.7 119.5

51 38.1 25.2 37.8#

86 62.8 53.3 79.9

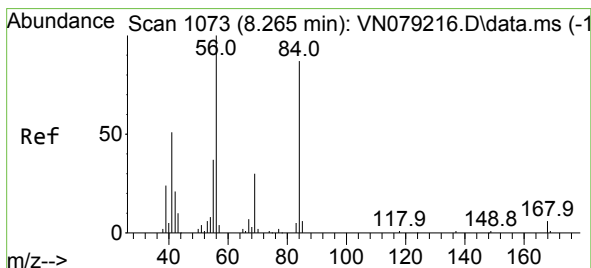
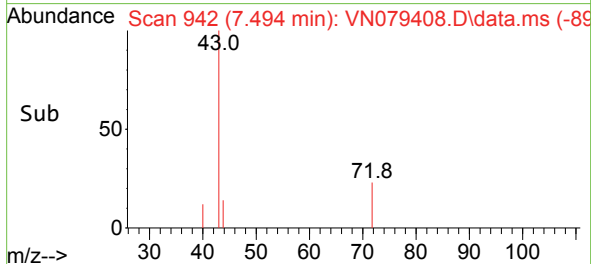
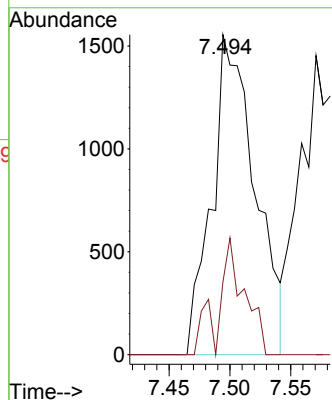
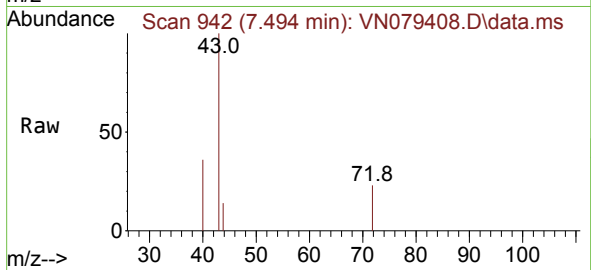




#25
2-Butanone
Concen: 3.716 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

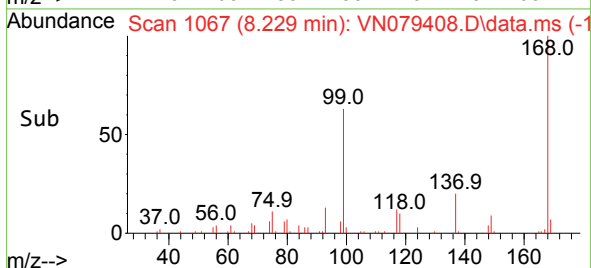
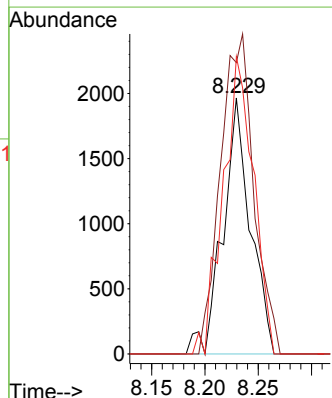
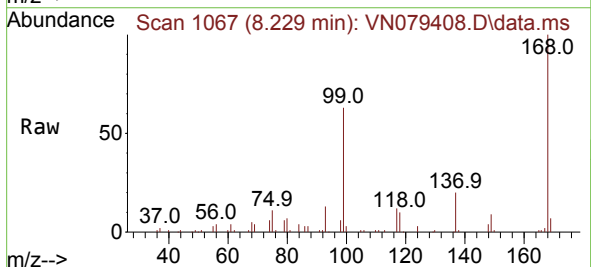
Instrument :
MSVOA_N
ClientSampleId :

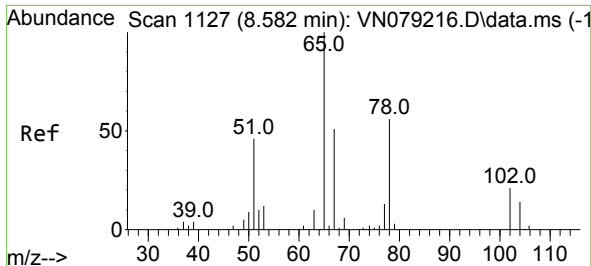
Tgt Ion: 43 Resp: 3825
Ion Ratio Lower Upper
43 100
72 22.7 30.2 45.2#



#31
Cyclohexane
Concen: 1.438 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.036 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

Tgt Ion: 56 Resp: 3507
Ion Ratio Lower Upper
56 100
69 113.8 26.8 40.2#
84 116.2 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 68.235 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

Instrument :

MSVOA_N

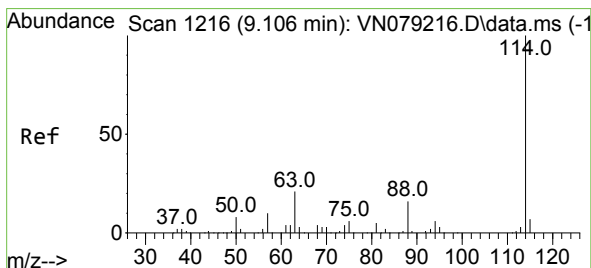
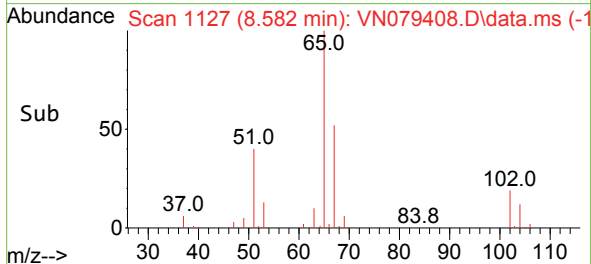
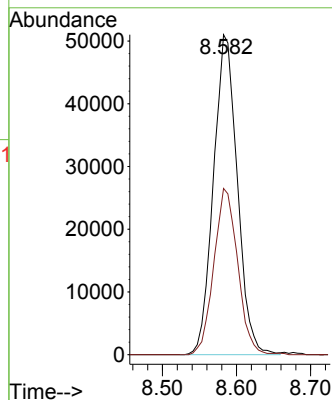
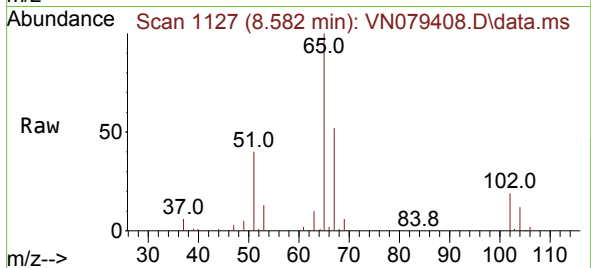
ClientSampleId :

Tgt Ion: 65 Resp: 113996

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

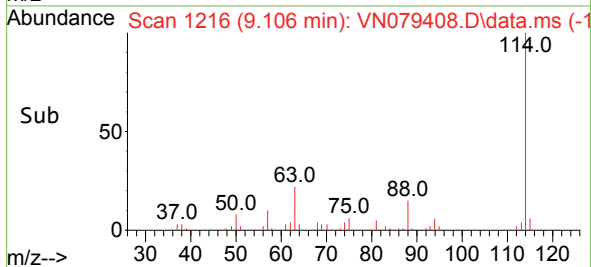
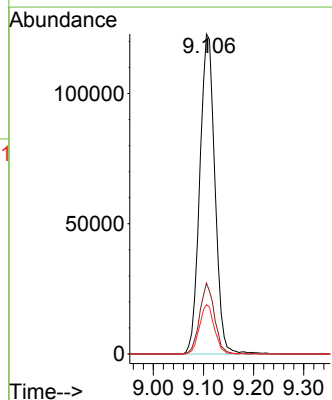
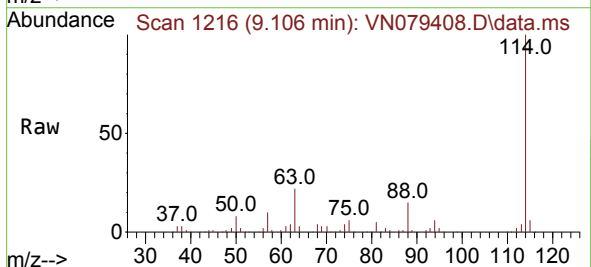
Tgt Ion: 114 Resp: 257256

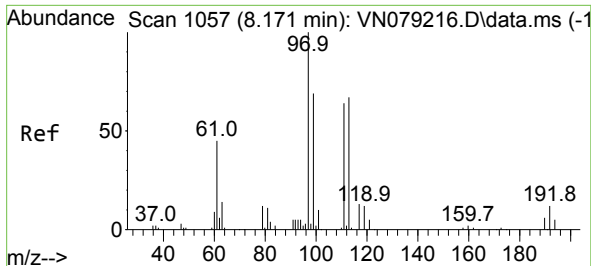
Ion Ratio Lower Upper

114 100

63 22.2 0.0 36.4

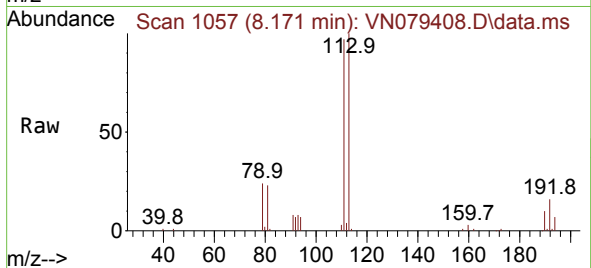
88 15.4 0.0 30.6



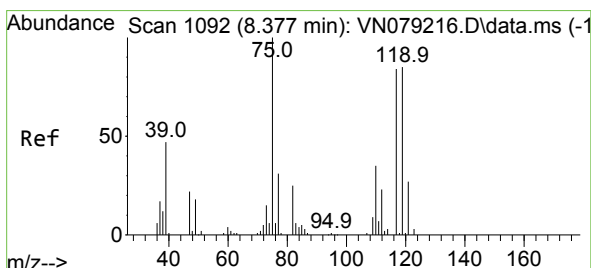
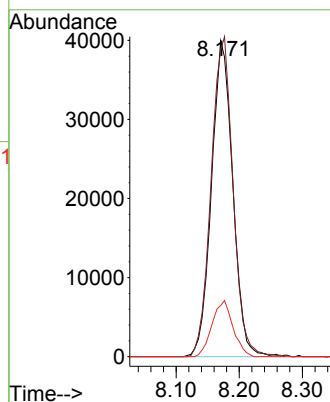
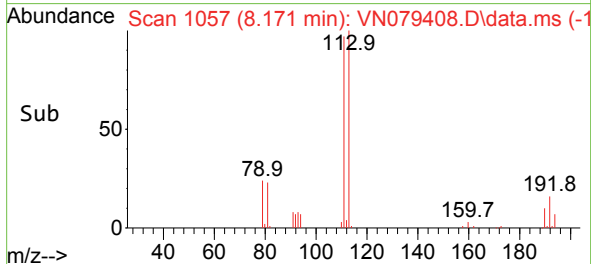


#35
Dibromofluoromethane
Concen: 54.702 ug/l
RT: 8.171 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

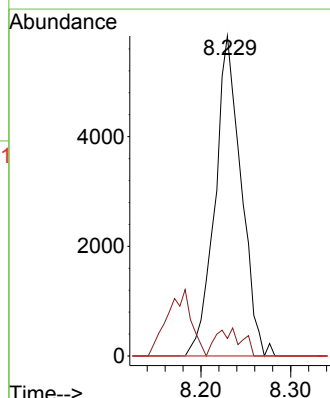
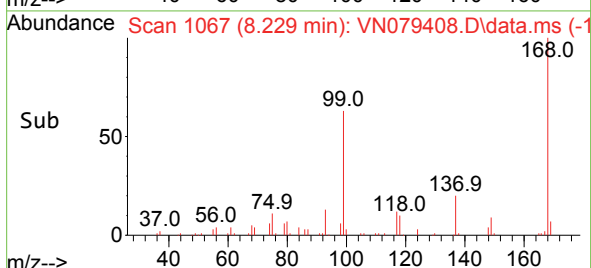
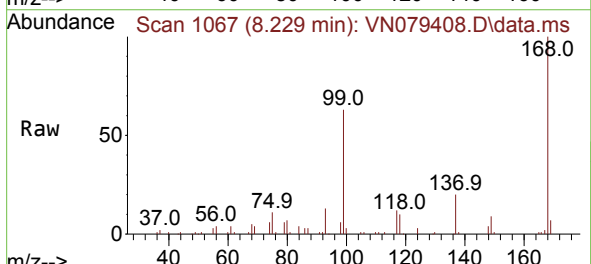


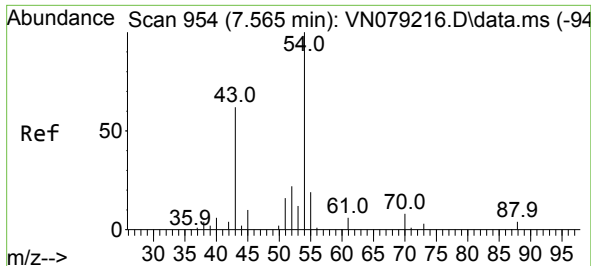
Tgt Ion:113 Resp: 93607
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 17.5 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.484 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.148 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

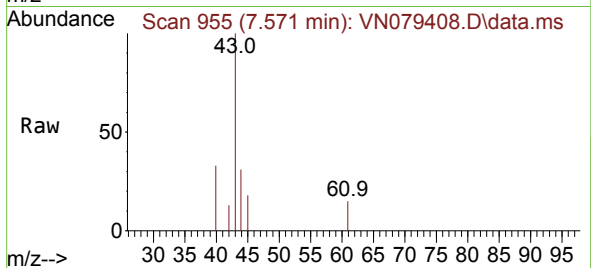
Tgt Ion: 75 Resp: 11828
Ion Ratio Lower Upper
75 100
110 8.4 19.1 57.3#
77 0.0 25.0 37.4#



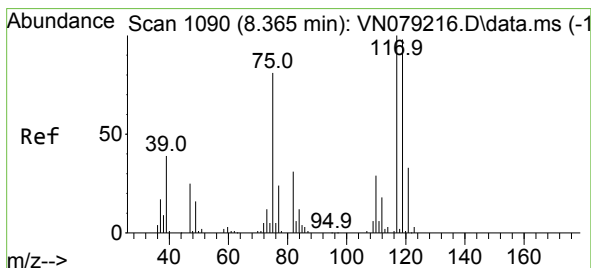
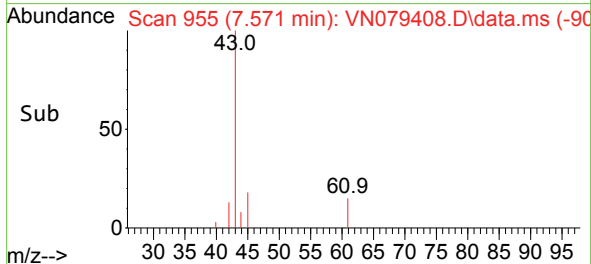
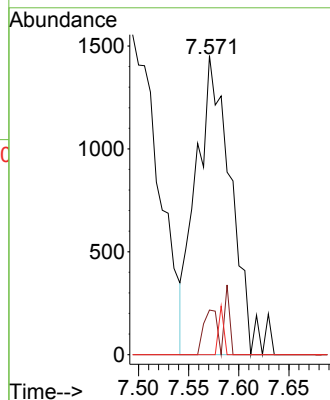


#37
Ethyl Acetate
Concen: 1.347 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

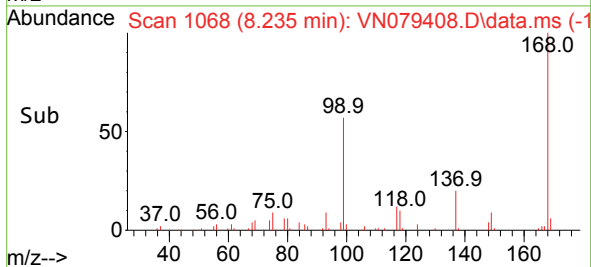
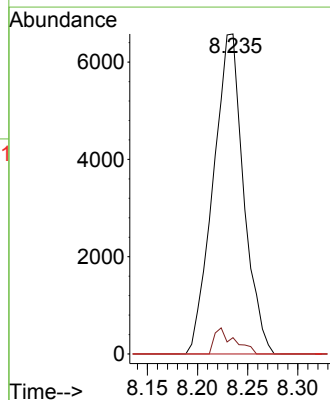
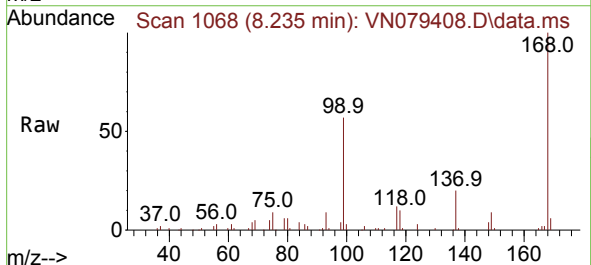


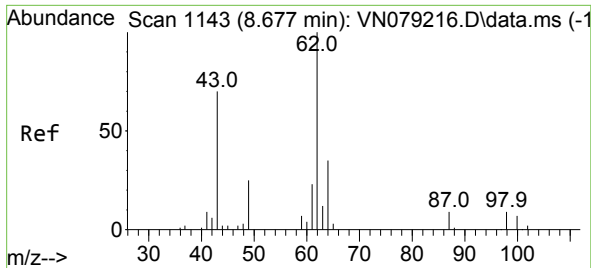
Tgt Ion: 43 Resp: 3544
Ion Ratio Lower Upper
43 100
61 5.8 13.2 19.8#
70 2.3 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.094 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.136 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

Tgt Ion: 117 Resp: 13904
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.223 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

Instrument :

MSVOA_N

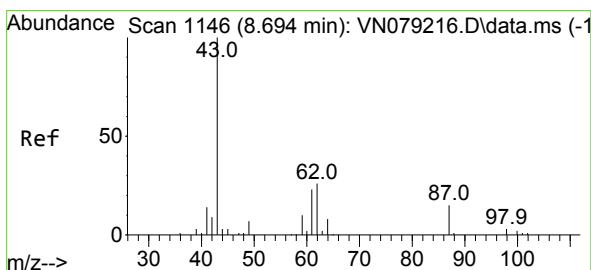
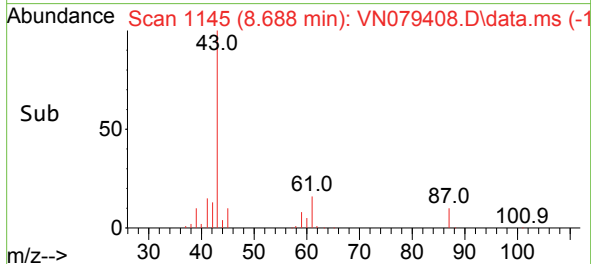
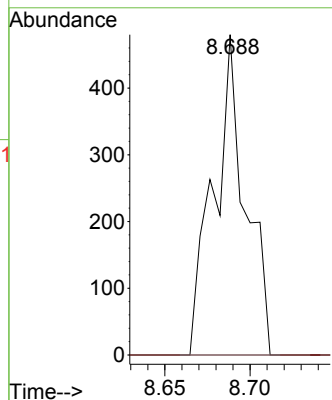
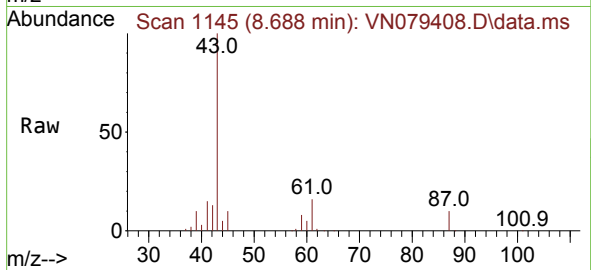
ClientSampleId :

Tgt Ion: 62 Resp: 620

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 35.232 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

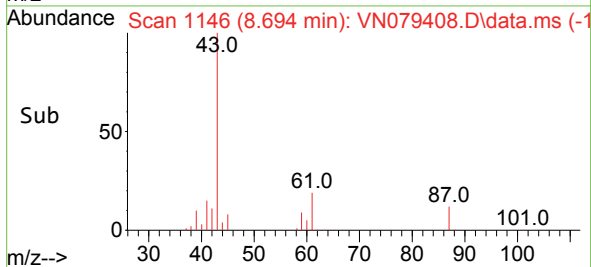
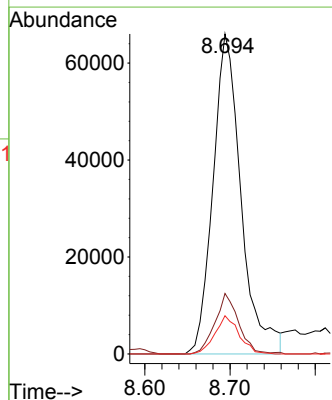
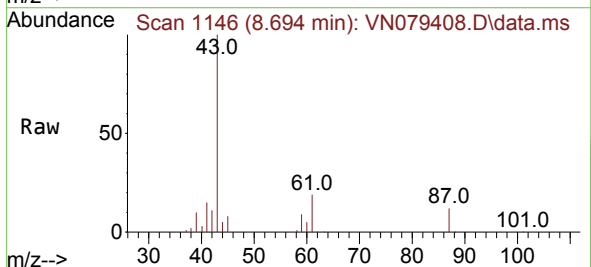
Tgt Ion: 43 Resp: 151239

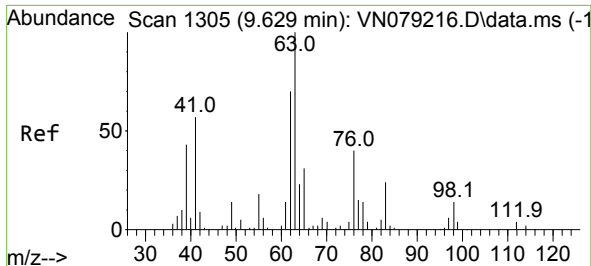
Ion Ratio Lower Upper

43 100

61 16.0 24.7 37.1#

87 10.3 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.945 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.123 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

Instrument :

MSVOA_N

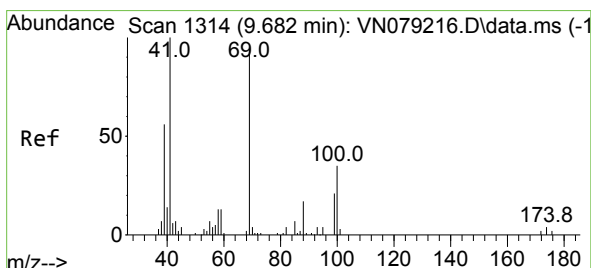
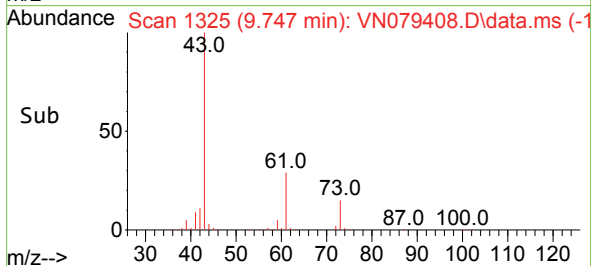
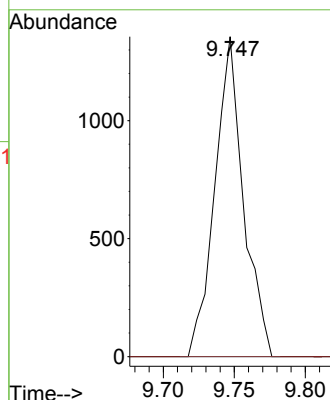
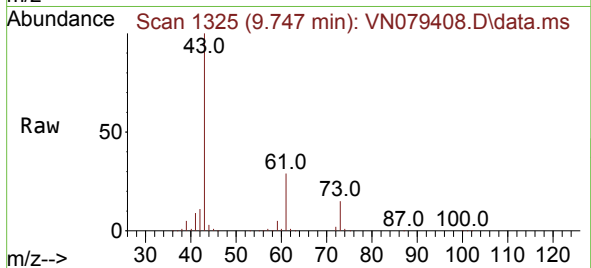
ClientSampleId :

Tgt Ion: 63 Resp: 1894

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 68.063 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

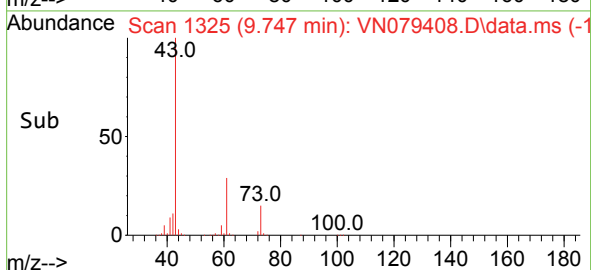
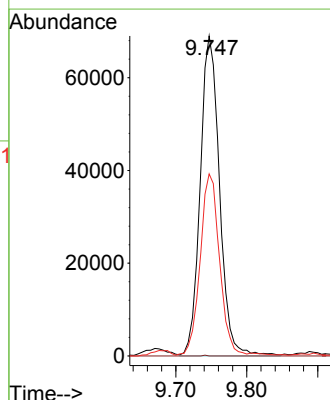
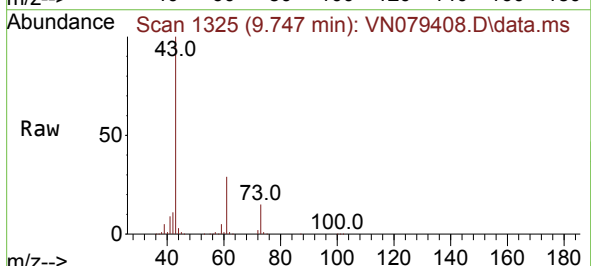
Tgt Ion: 41 Resp: 130870

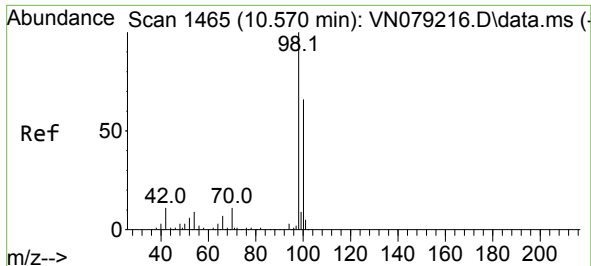
Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 56.2 54.6 81.8

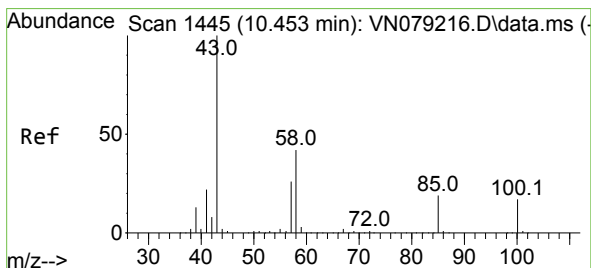
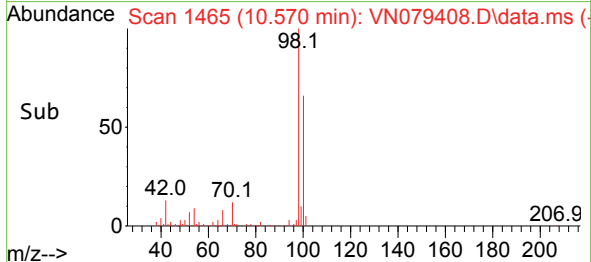
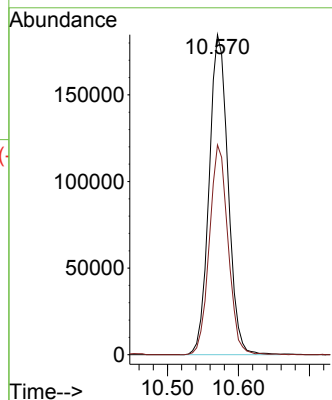
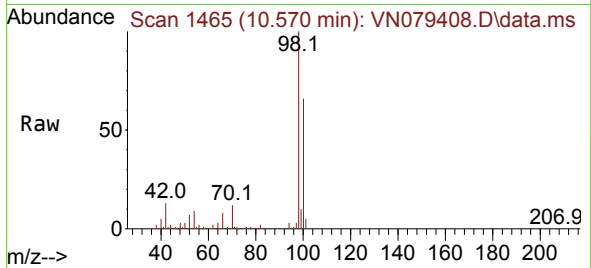




#50
Toluene-d8
Concen: 54.451 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

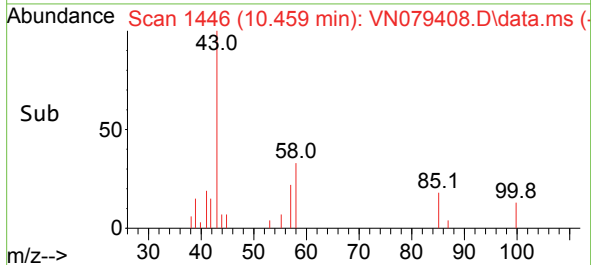
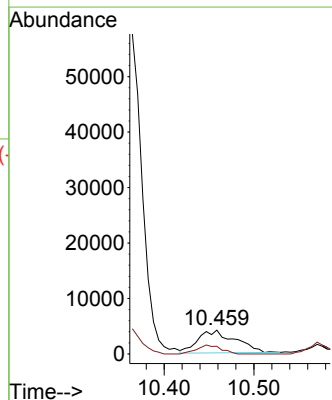
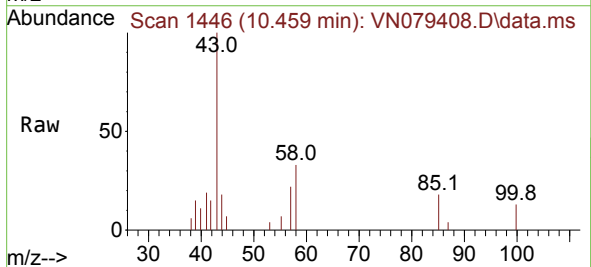
Instrument :
MSVOA_N
ClientSampleId :

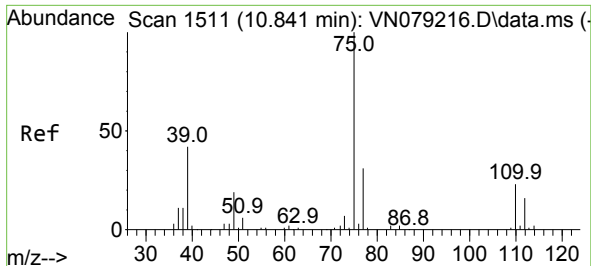
Tgt Ion: 98 Resp: 342133
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.750 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.006 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

Tgt Ion: 43 Resp: 11837
Ion Ratio Lower Upper
43 100
58 25.5 36.6 54.8#

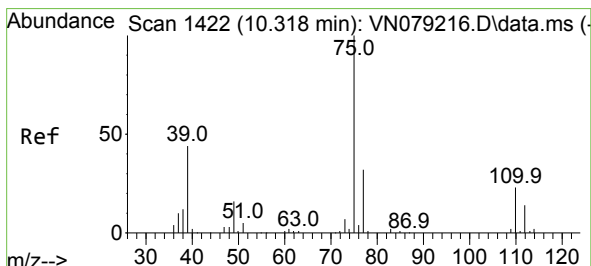
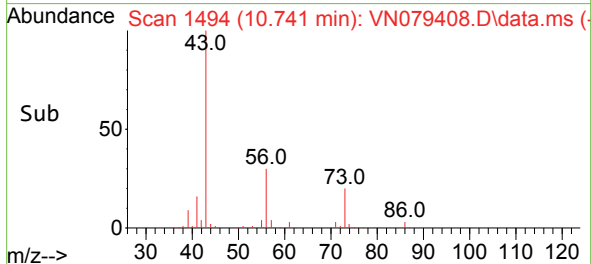
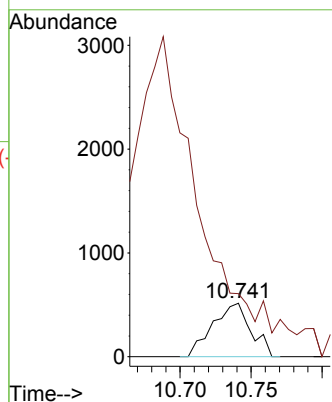
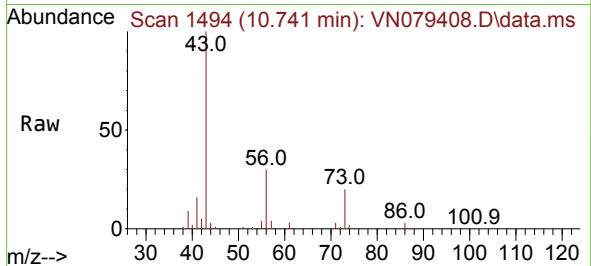




#53
 t-1,3-Dichloropropene
 Concen: 0.327 ug/l
 RT: 10.741 min Scan# 14
 Delta R.T. -0.100 min
 Lab File: VN079408.D
 Acq: 04 Oct 2023 17:11

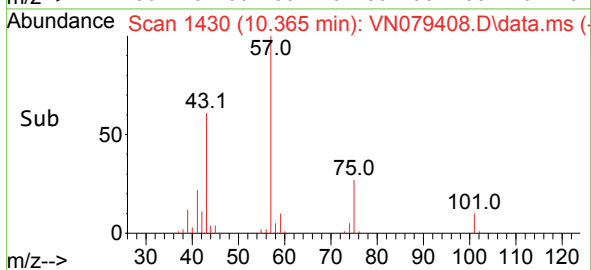
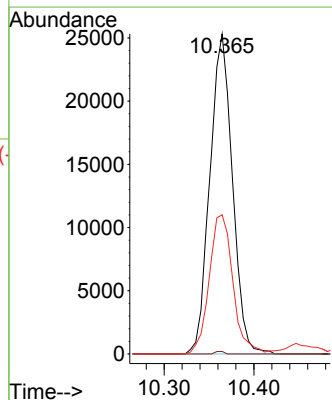
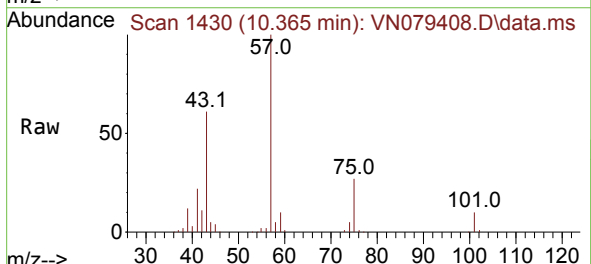
Instrument :
 MSVOA_N
 ClientSampleId :

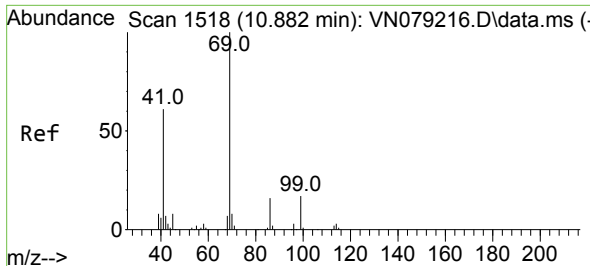
Tgt Ion: 75 Resp: 960
 Ion Ratio Lower Upper
 75 100
 77 48.1 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.060 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079408.D
 Acq: 04 Oct 2023 17:11

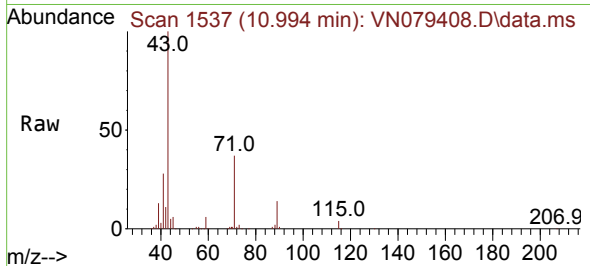
Tgt Ion: 75 Resp: 44181
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 43.5 31.6 47.4



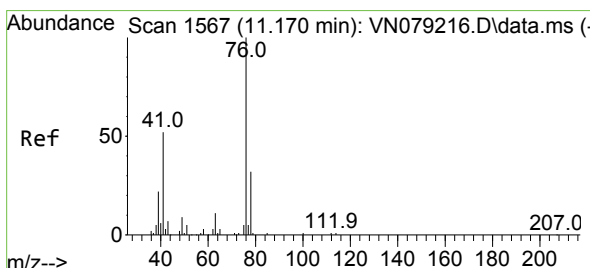
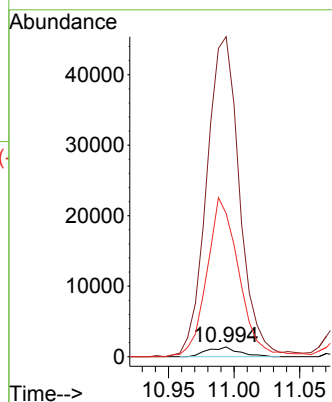
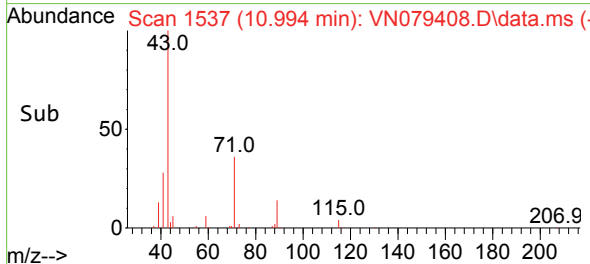


#56
Ethyl methacrylate
Concen: 0.839 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

Instrument :
MSVOA_N
ClientSampleId :

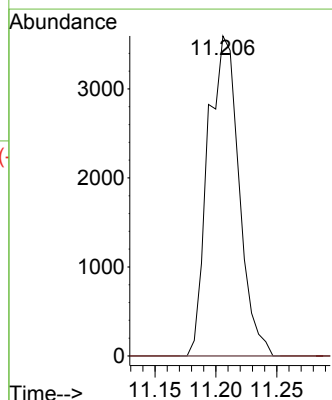
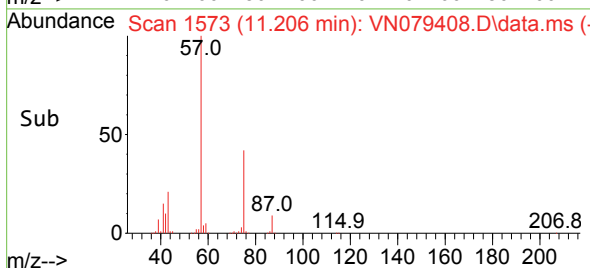
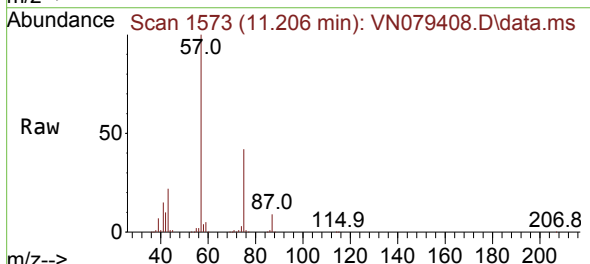


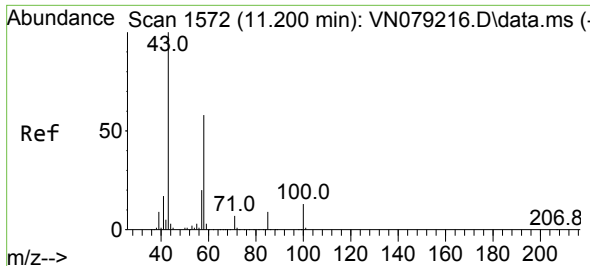
Tgt Ion: 69 Resp: 2305
Ion Ratio Lower Upper
69 100
41 3454.8 39.6 59.4#
39 1660.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.895 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

Tgt Ion: 76 Resp: 6380
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

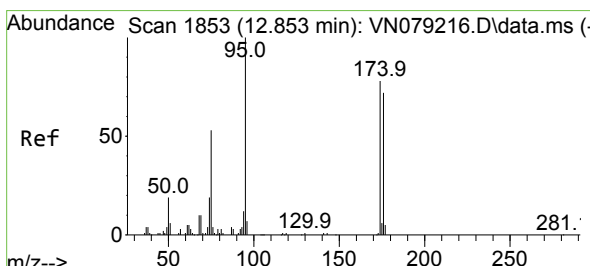
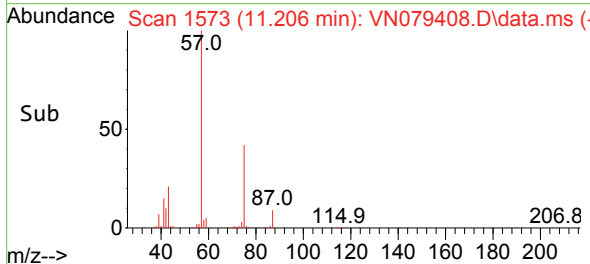
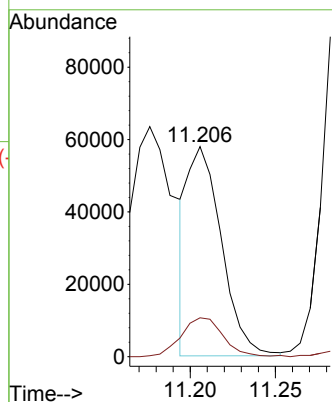
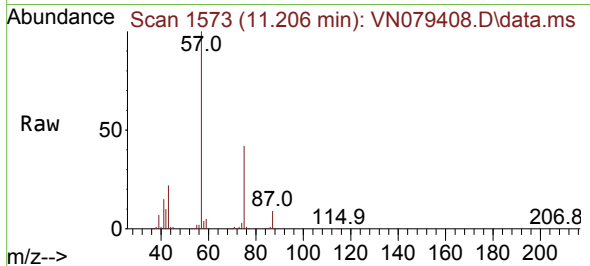




#59
2-Hexanone
Concen: 44.294 ug/l
RT: 11.206 min Scan# 11573
Delta R.T. 0.006 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

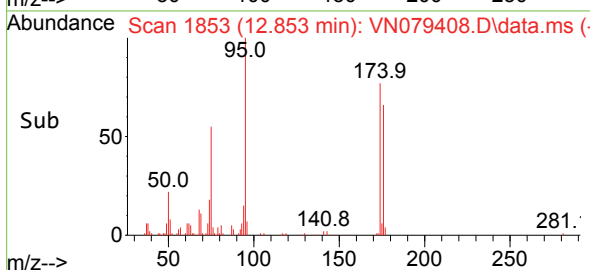
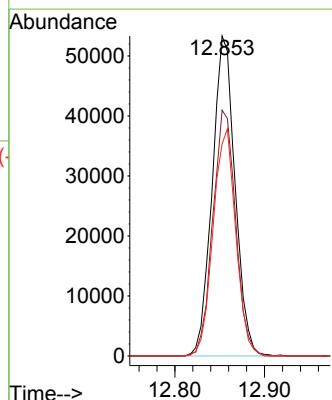
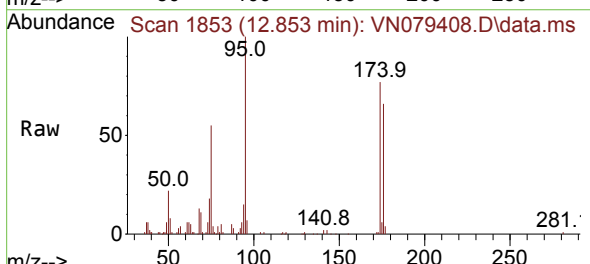
Instrument :
MSVOA_N
ClientSampleId :

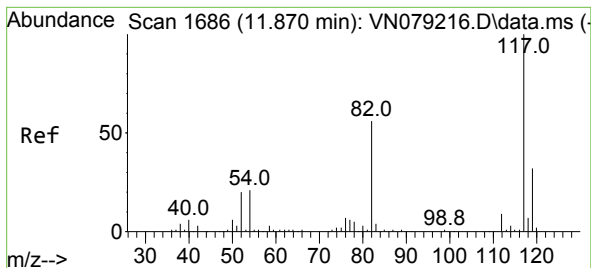
Tgt Ion: 43 Resp: 79943
Ion Ratio Lower Upper
43 100
58 23.2 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.857 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

Tgt Ion: 95 Resp: 93914
Ion Ratio Lower Upper
95 100
174 77.1 0.0 143.8
176 70.4 0.0 135.8

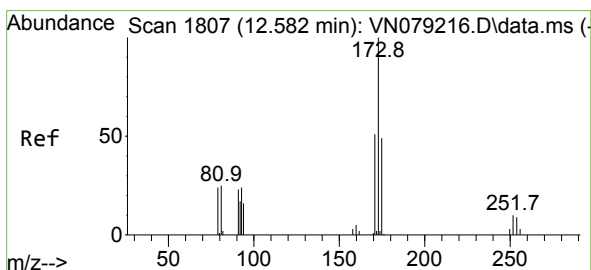
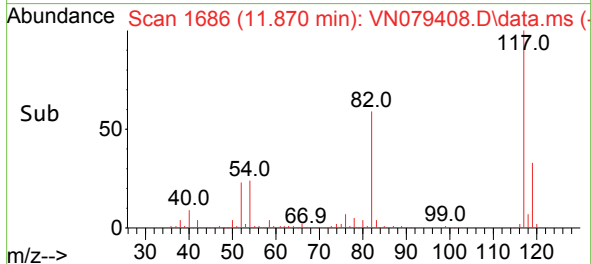
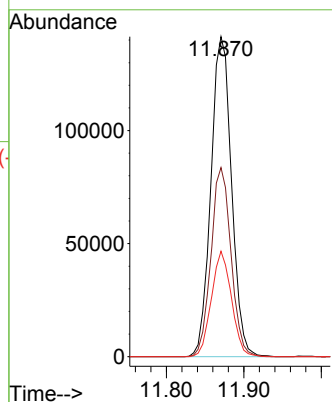
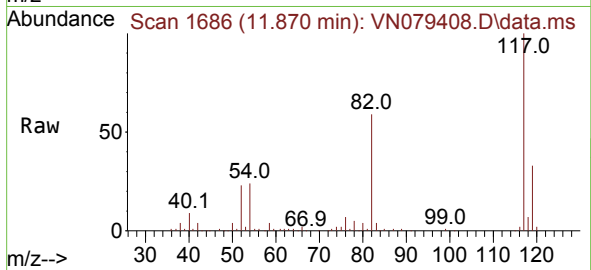




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

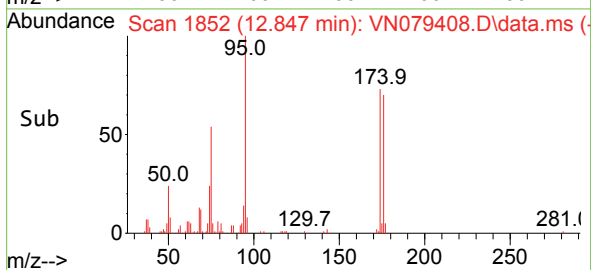
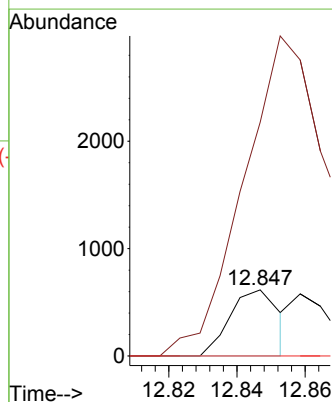
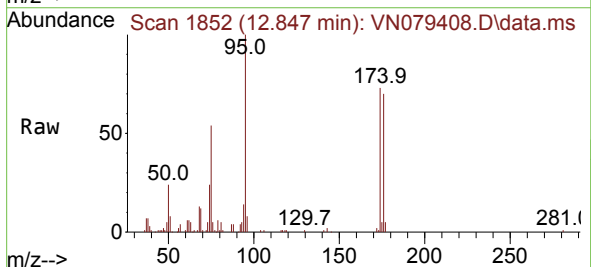
Instrument :
MSVOA_N
ClientSampleId :

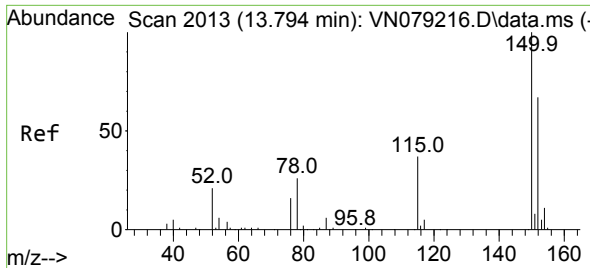
Tgt Ion:117 Resp: 261318
Ion Ratio Lower Upper
117 100
82 59.1 44.0 66.0
119 32.9 25.6 38.4



#71
Bromoform
Concen: 0.379 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

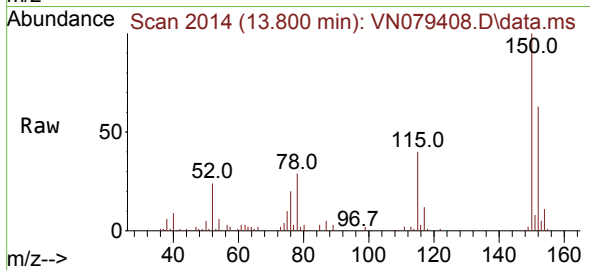
Tgt Ion:173 Resp: 621
Ion Ratio Lower Upper
173 100
175 601.3 24.3 73.0#
254 0.0 0.0 0.0



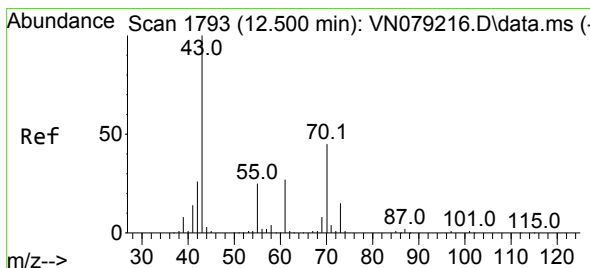
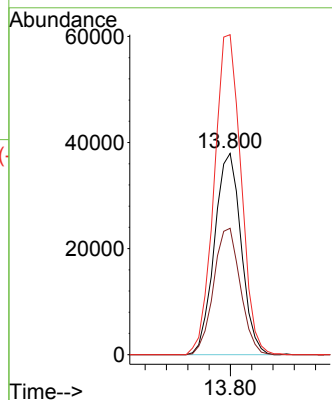
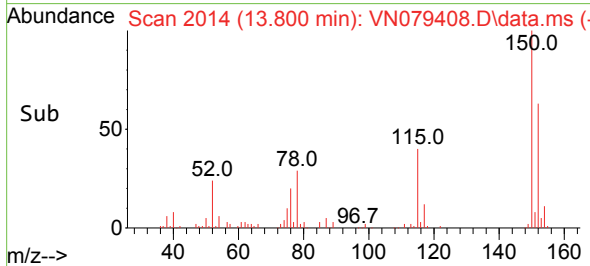


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11

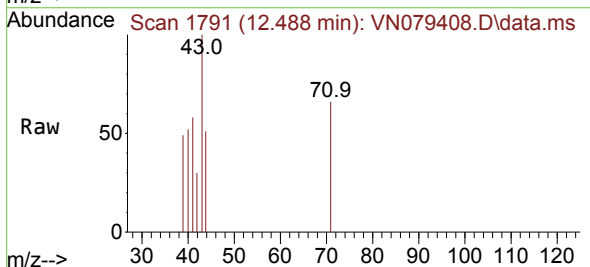
Instrument :
MSVOA_N
ClientSampleId :



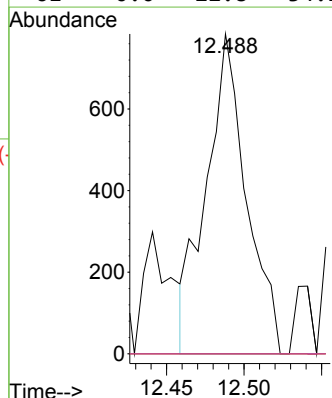
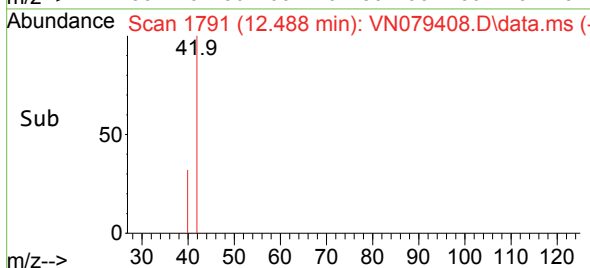
Tgt Ion:152 Resp: 65968
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 160.1 0.0 355.8

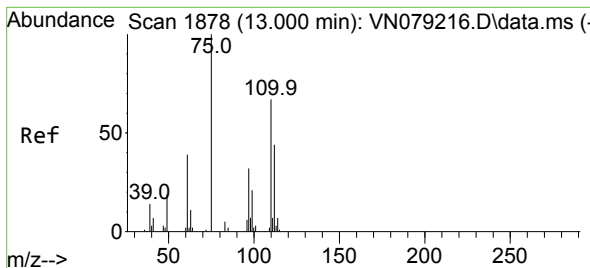


#74
N-amy1 acetate
Concen: 0.621 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN079408.D
Acq: 04 Oct 2023 17:11



Tgt Ion: 43 Resp: 1413
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#





#76

1,2,3-Trichloropropane

Concen: 29.760 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

Instrument :

MSVOA_N

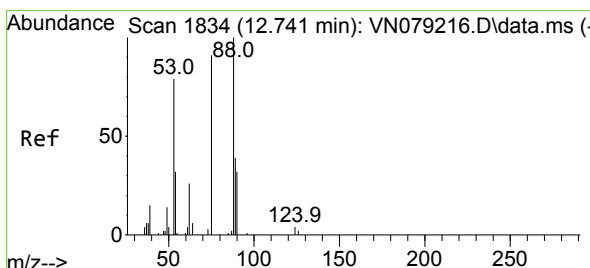
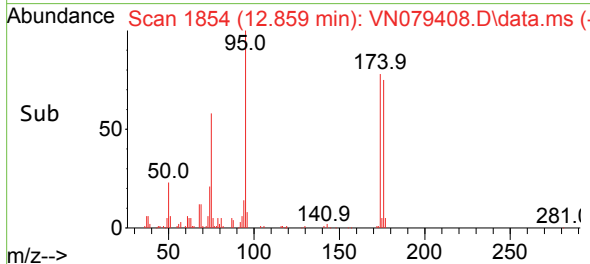
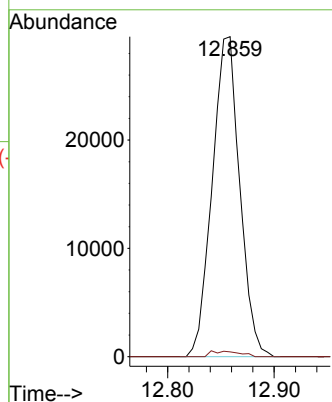
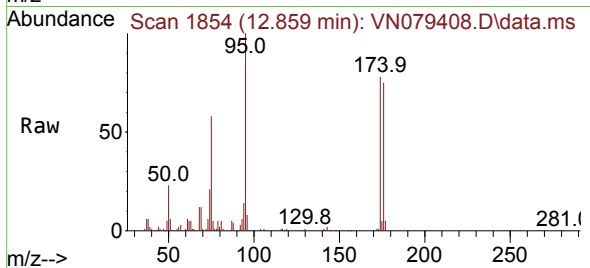
ClientSampleId :

Tgt Ion: 75 Resp: 52911

Ion Ratio Lower Upper

75 100

77 1.8 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.816 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN079408.D

Acq: 04 Oct 2023 17:11

Tgt Ion: 75 Resp: 52911

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

