

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079416.D
 Acq On : 04 Oct 2023 20:25
 Operator : JC\MD
 Sample : PB156087ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 02:27:24 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

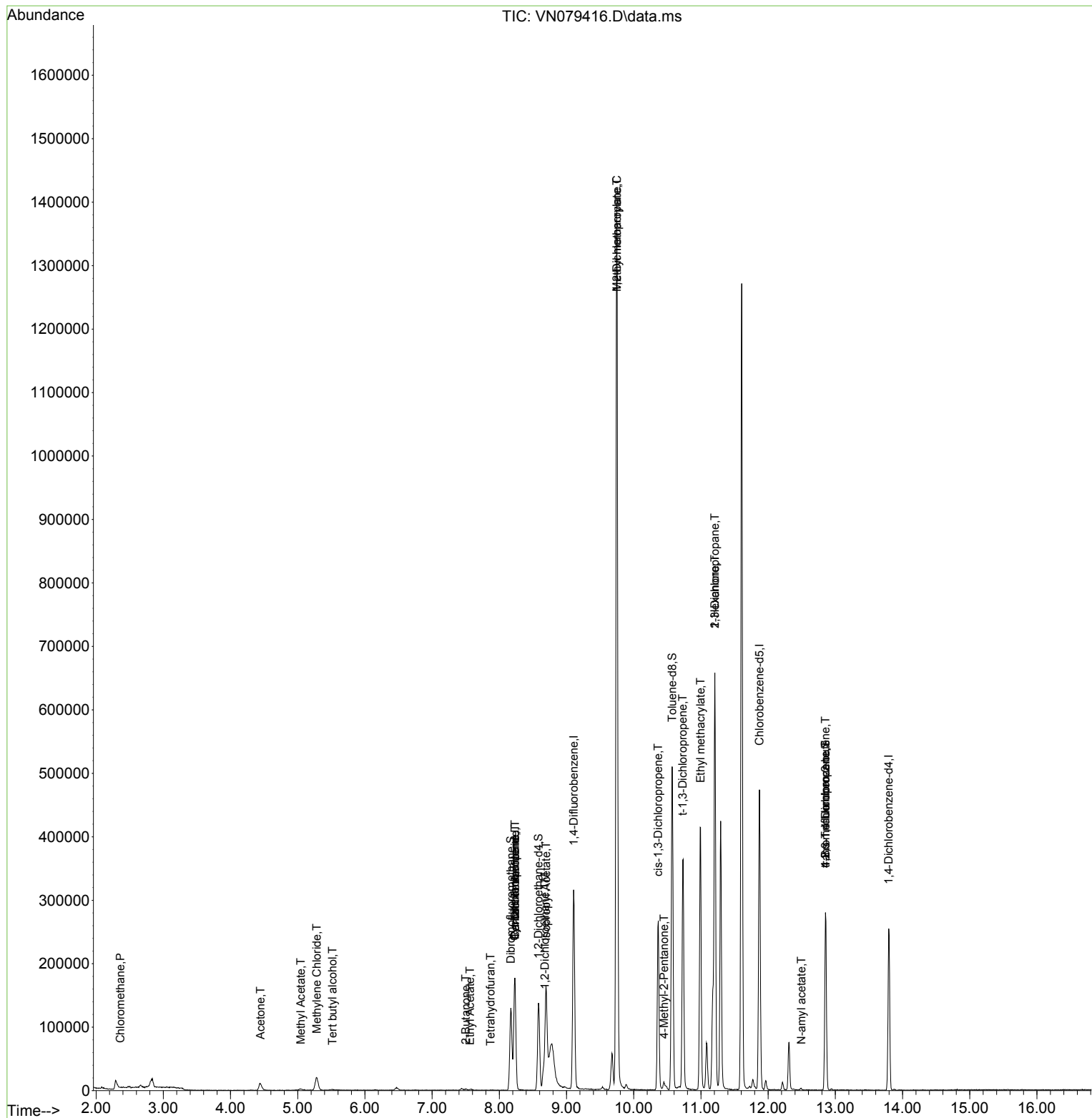
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	125674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	258752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	258761	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	65386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	109383	64.477	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 128.960%#	
35) Dibromofluoromethane	8.171	113	90579	52.626	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.260%	
50) Toluene-d8	10.571	98	341290	54.003	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.000%	
62) 4-Bromofluorobenzene	12.853	95	93614	46.438	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.880%	
Target Compounds						Qvalue
3) Chloromethane	2.360	50	449	0.275	ug/l	# 42
6) Chloroethane	3.124	64	290	Below Cal	#	43
11) Tert butyl alcohol	5.518	59	700	2.235	ug/l	# 72
16) Acetone	4.448	43	21741	30.175	ug/l	# 90
18) Methyl Acetate	5.048	43	4621	1.561	ug/l	# 60
20) Methylene Chloride	5.283	84	15429	8.800	ug/l	# 77
25) 2-Butanone	7.500	43	3579	3.424	ug/l	# 77
29) Tetrahydrofuran	7.871	42	192	0.289	ug/l	# 20
31) Cyclohexane	8.224	56	3079	1.243	ug/l	# 54
36) 1,1-Dichloropropene	8.236	75	11655	4.393	ug/l	# 47
37) Ethyl Acetate	7.565	43	1164	0.440	ug/l	# 70
38) Carbon Tetrachloride	8.236	117	13709	4.993	ug/l	# 17
42) 1,2-Dichloroethane	8.677	62	896	0.320	ug/l	# 73
43) Isopropyl Acetate	8.694	43	211485	48.981	ug/l	# 70
45) 1,2-Dichloropropane	9.747	63	1682	0.835	ug/l	# 45
48) Methyl methacrylate	9.747	41	130967	67.719	ug/l	# 28
51) 4-Methyl-2-Pentanone	10.453	43	12155	4.850	ug/l	# 66
53) t-1,3-Dichloropropene	10.730	75	928	0.314	ug/l	# 1
54) cis-1,3-Dichloropropene	10.365	75	43775	13.850	ug/l	# 69
56) Ethyl methacrylate	10.994	69	2754	0.996	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	6530	1.929	ug/l	# 42
59) 2-Hexanone	11.206	43	79682	43.894	ug/l	# 48
74) N-amyl acetate	12.494	43	1753	0.777	ug/l	# 36
76) 1,2,3-Trichloropropane	12.853	75	51796	29.392	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	51796	80.805	ug/l	# 15

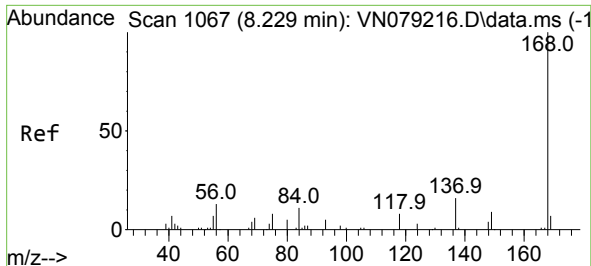
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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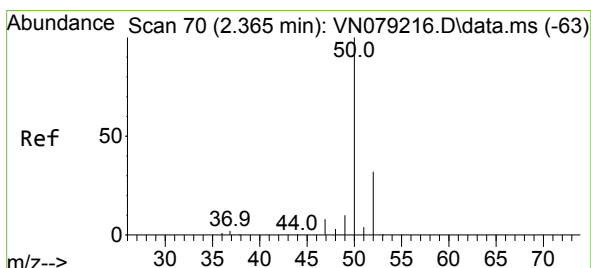
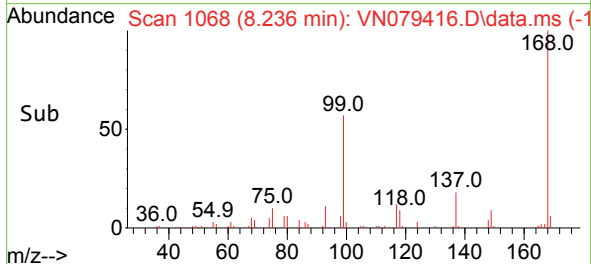
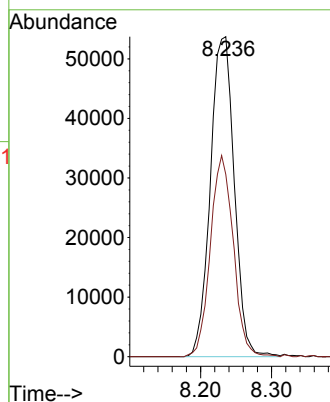
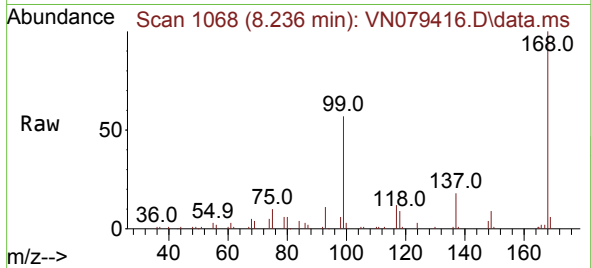




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

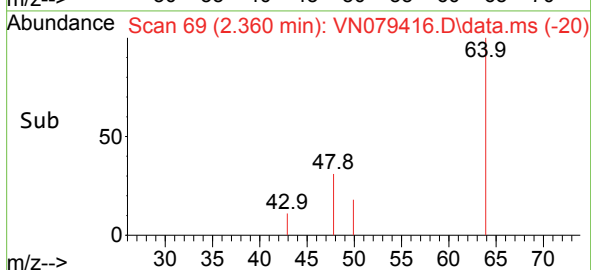
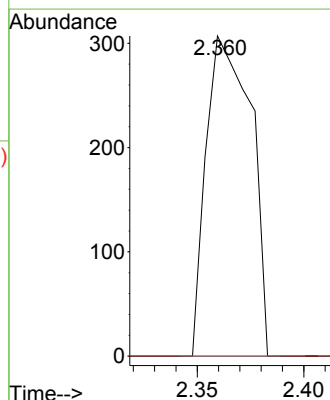
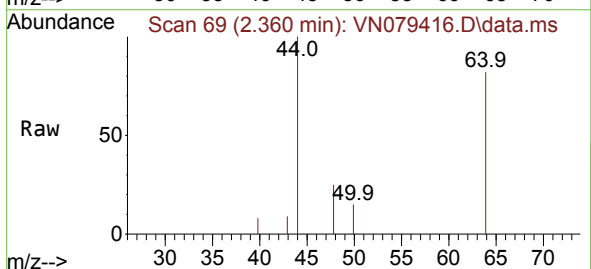
Instrument :
MSVOA_N
ClientSampleId :

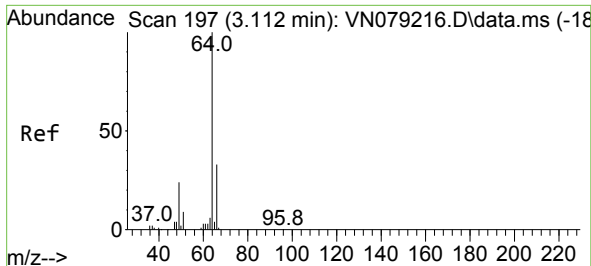
Tgt Ion:168 Resp: 125674
Ion Ratio Lower Upper
168 100
99 56.9 53.0 79.6



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.011 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Tgt Ion: 50 Resp: 449
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

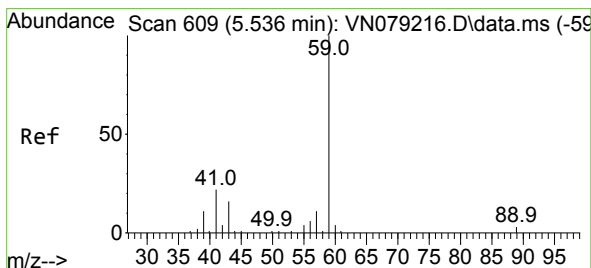
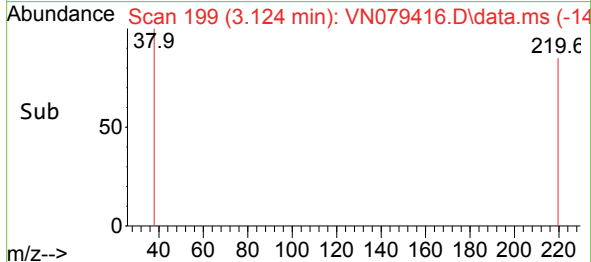
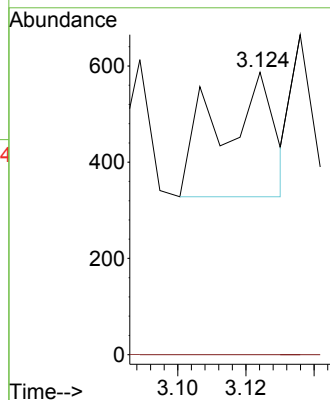
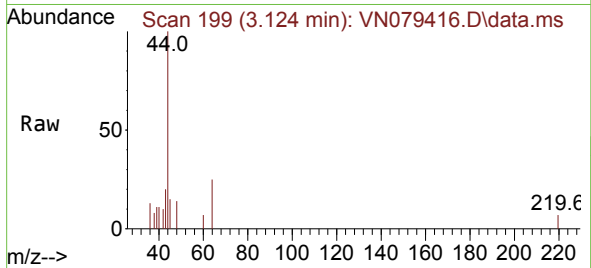




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

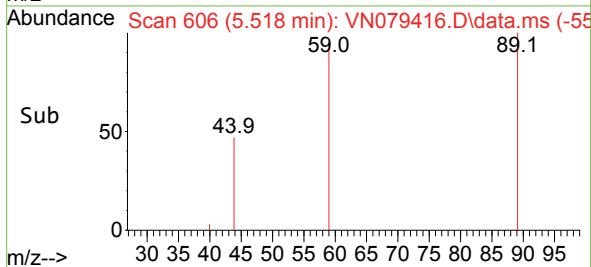
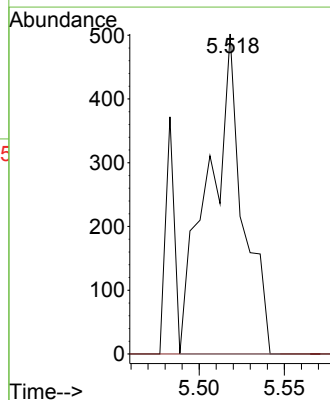
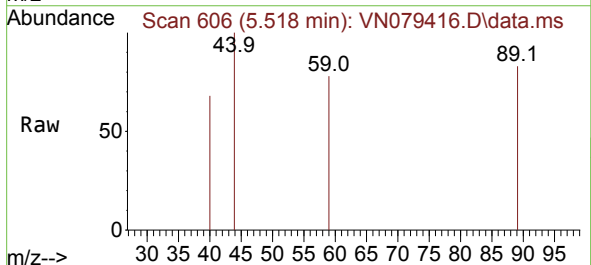
Instrument :
MSVOA_N
ClientSampleId :

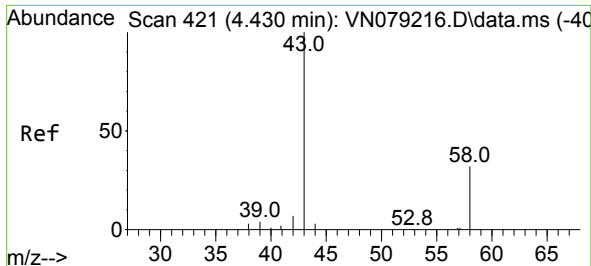
Tgt Ion: 64 Resp: 290
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.235 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.024 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Tgt Ion: 59 Resp: 700
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

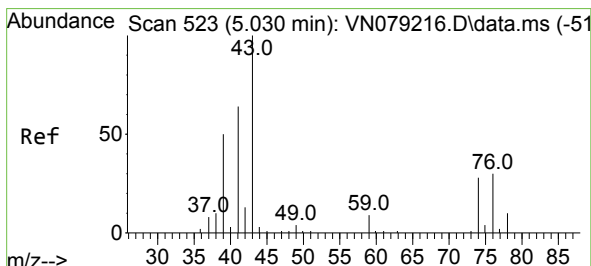
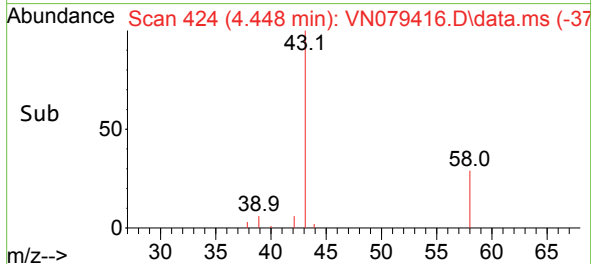
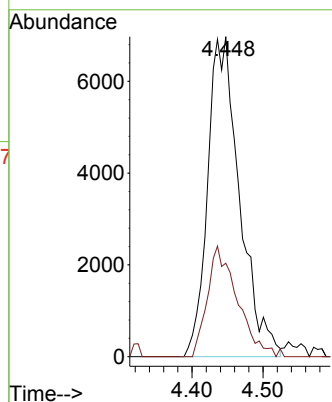
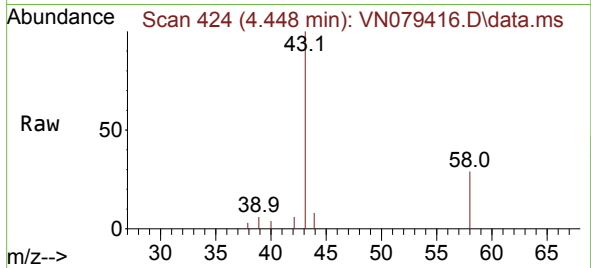




#16
Acetone
Concen: 30.175 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

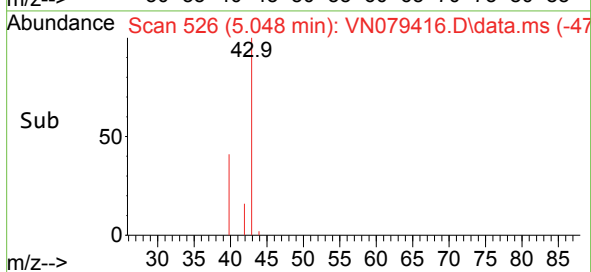
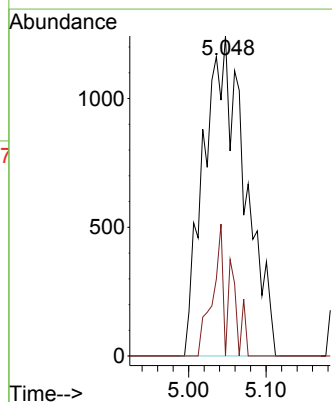
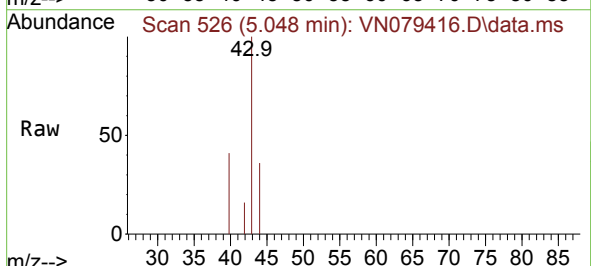
Instrument :
MSVOA_N
ClientSampleId :

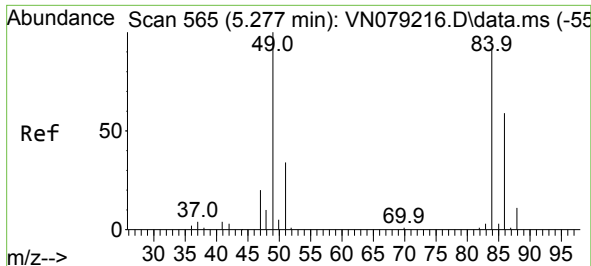
Tgt Ion: 43 Resp: 21741
Ion Ratio Lower Upper
43 100
58 29.2 28.0 42.0



#18
Methyl Acetate
Concen: 1.561 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.006 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

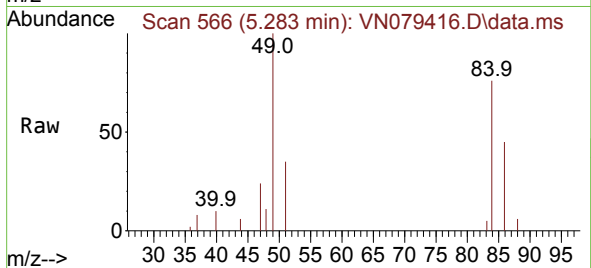
Tgt Ion: 43 Resp: 4621
Ion Ratio Lower Upper
43 100
74 10.1 26.2 39.4#





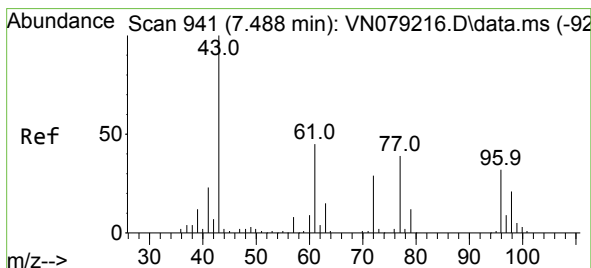
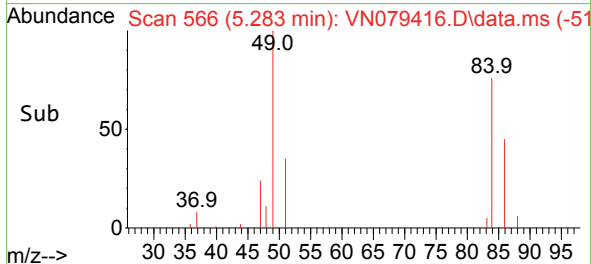
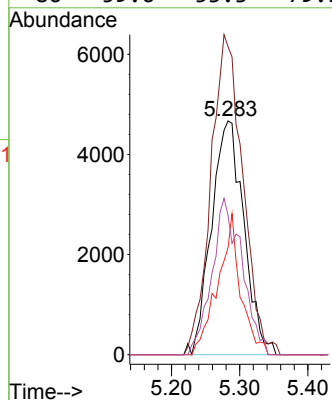
#20
Methylene Chloride
Concen: 8.800 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 15429

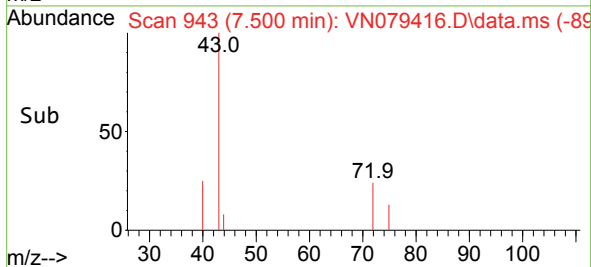
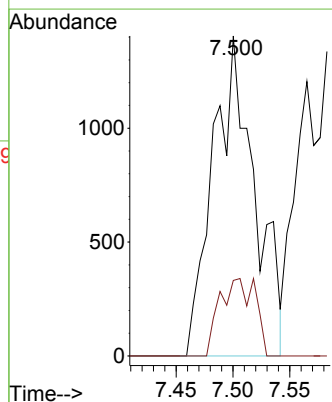
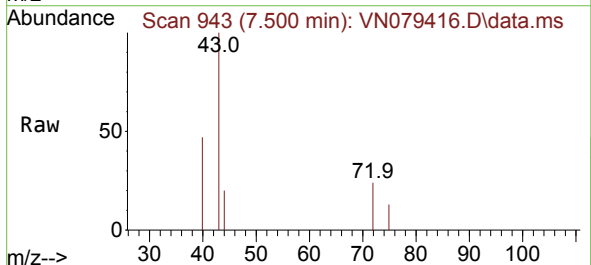
Ion	Ratio	Lower	Upper
84	100		
49	131.7	79.7	119.5#
51	45.8	25.2	37.8#
86	59.6	53.3	79.9

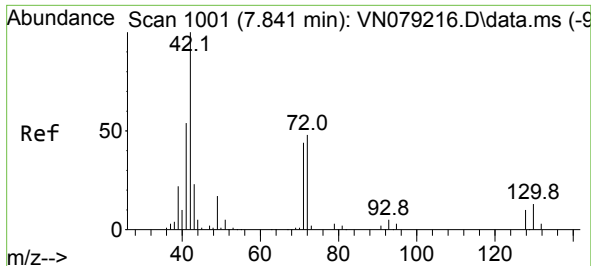


#25
2-Butanone
Concen: 3.424 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Tgt Ion: 43 Resp: 3579

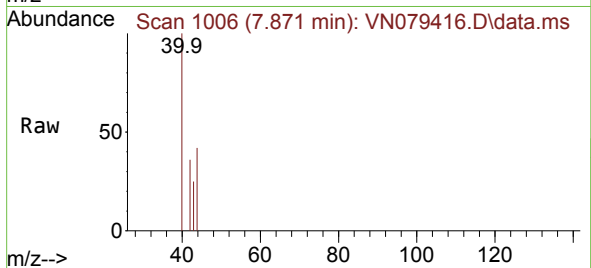
Ion	Ratio	Lower	Upper
43	100		
72	23.6	30.2	45.2#



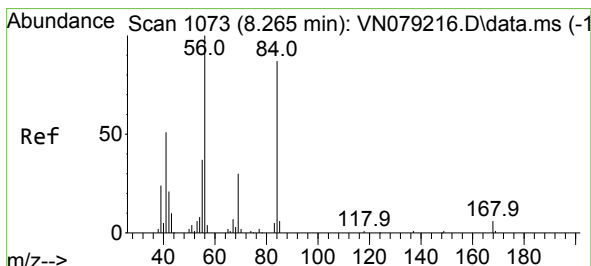
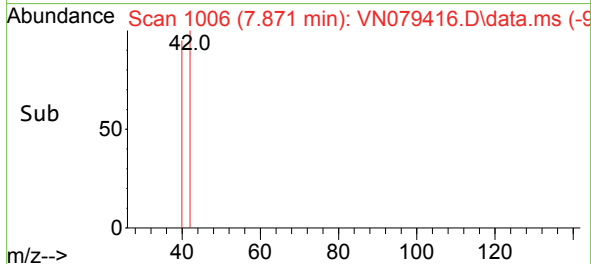
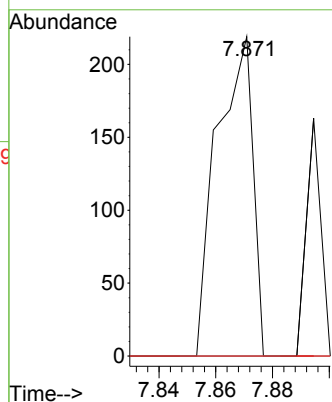


#29
Tetrahydrofuran
Concen: 0.289 ug/l
RT: 7.871 min Scan# 1006
Delta R.T. 0.024 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

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ClientSampleId :

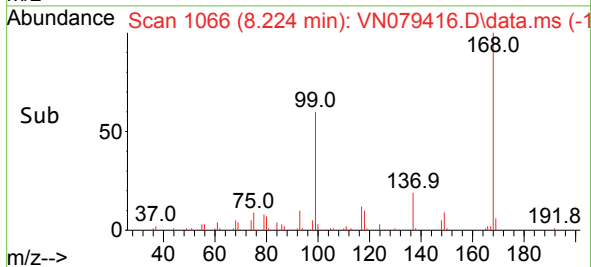
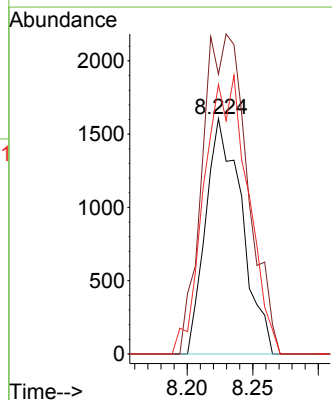
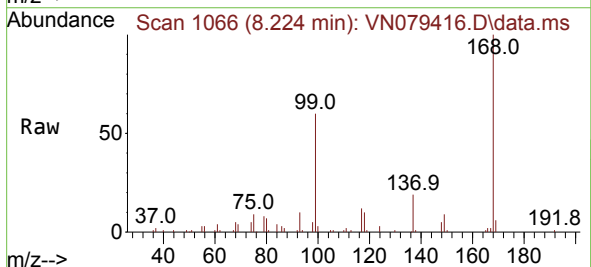


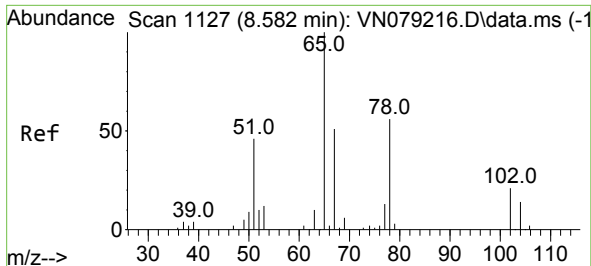
Tgt Ion: 42 Resp: 192
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.243 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Tgt Ion: 56 Resp: 3079
Ion Ratio Lower Upper
56 100
69 118.9 26.8 40.2#
84 114.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 64.477 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079416.D

Acq: 04 Oct 2023 20:25

Instrument :

MSVOA_N

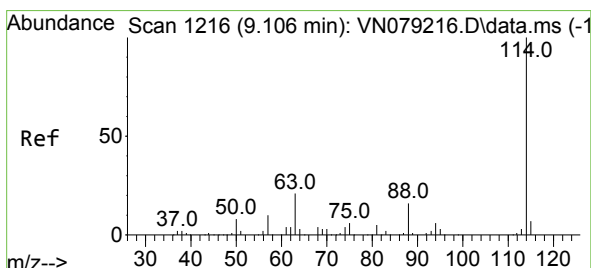
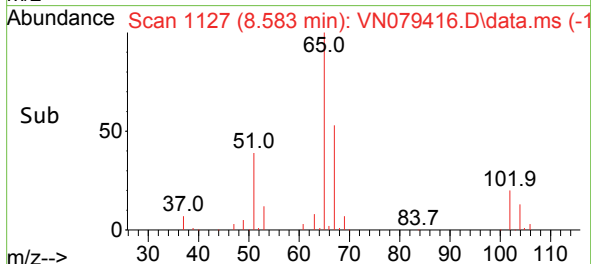
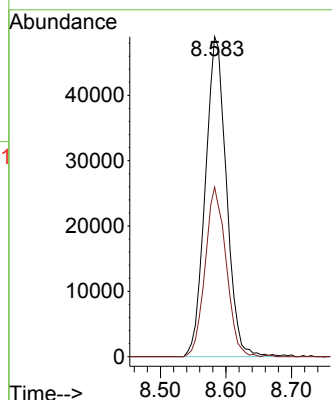
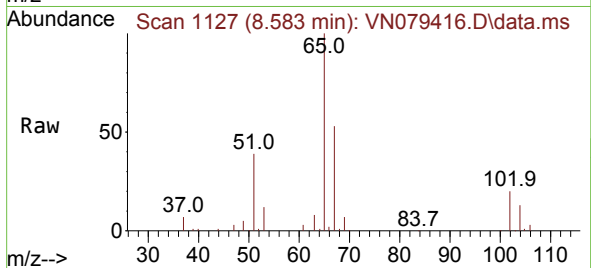
ClientSampleId :

Tgt Ion: 65 Resp: 109383

Ion Ratio Lower Upper

65 100

67 52.6 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: VN079416.D

Acq: 04 Oct 2023 20:25

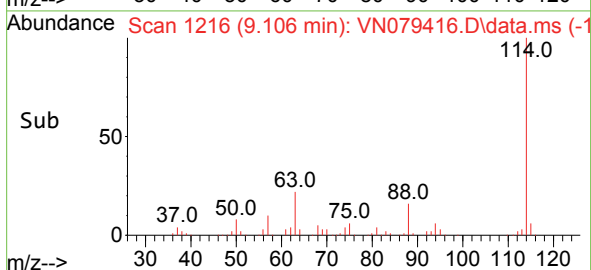
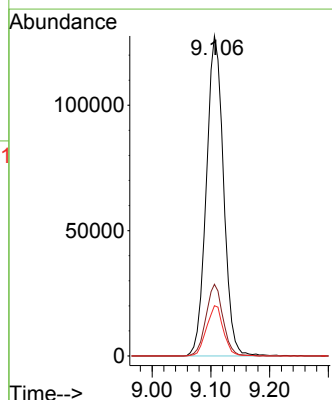
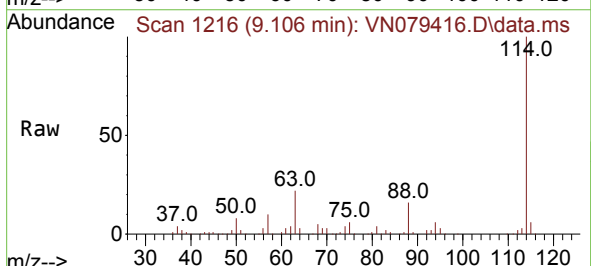
Tgt Ion:114 Resp: 258752

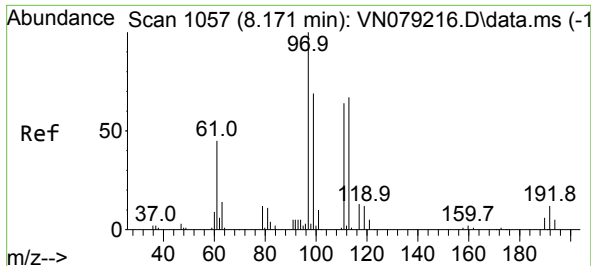
Ion Ratio Lower Upper

114 100

63 22.4 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.626 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079416.D

Acq: 04 Oct 2023 20:25

Instrument :

MSVOA_N

ClientSampleId :

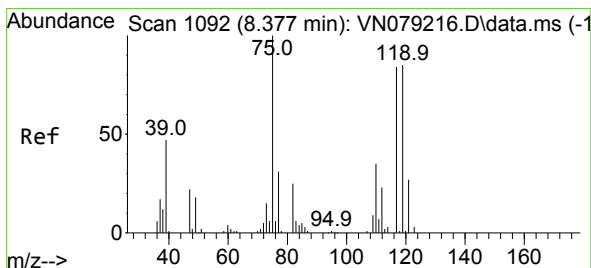
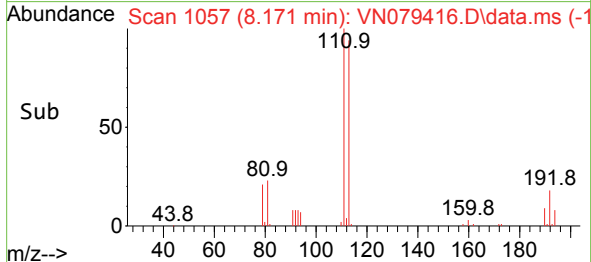
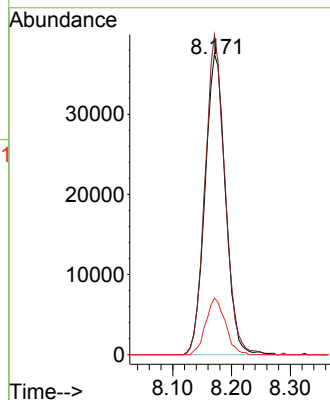
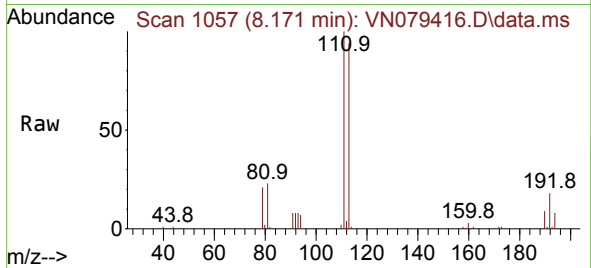
Tgt Ion:113 Resp: 90579

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 18.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN079416.D

Acq: 04 Oct 2023 20:25

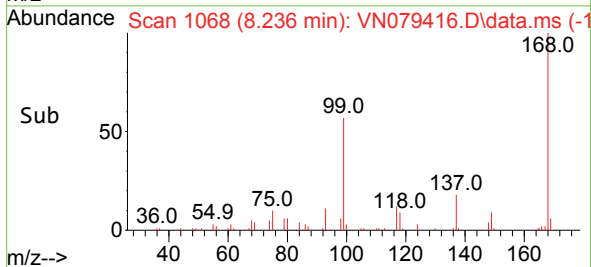
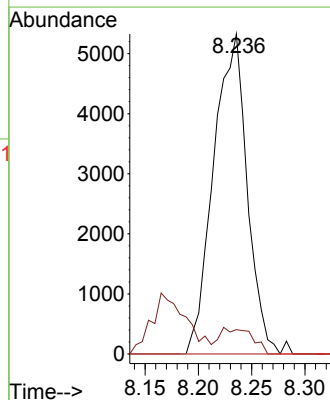
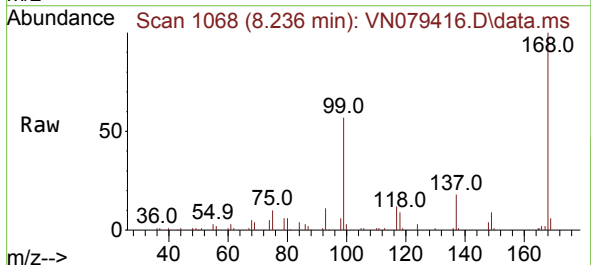
Tgt Ion: 75 Resp: 11655

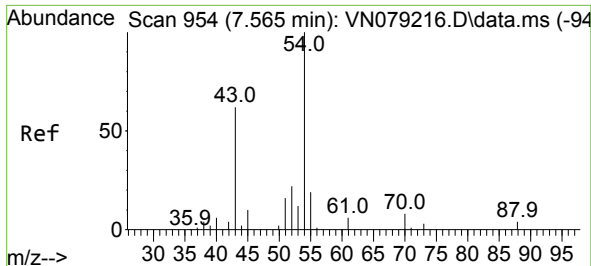
Ion Ratio Lower Upper

75 100

110 7.9 19.1 57.3#

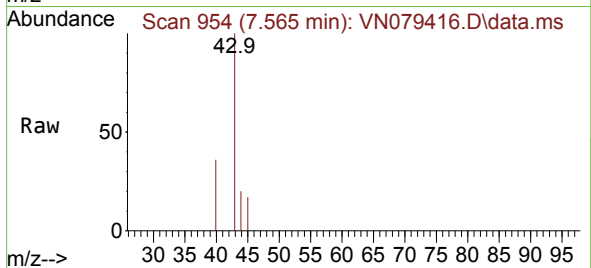
77 0.0 25.0 37.4#



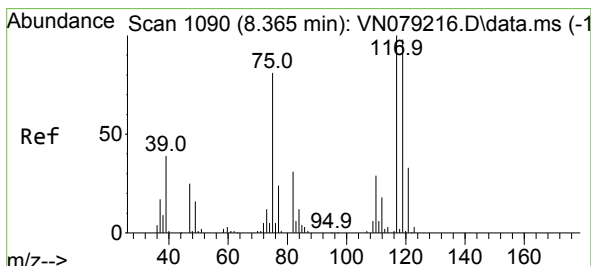
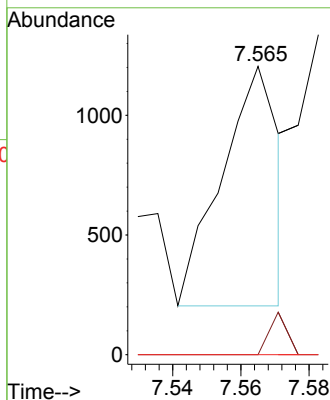
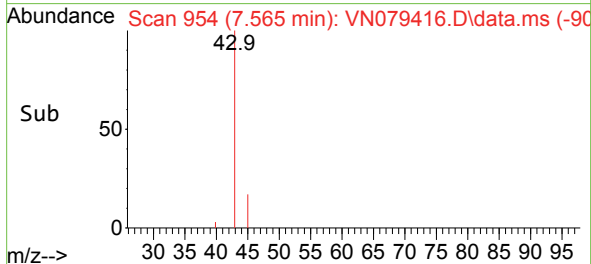


#37
Ethyl Acetate
Concen: 0.440 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Instrument :
MSVOA_N
ClientSampleId :

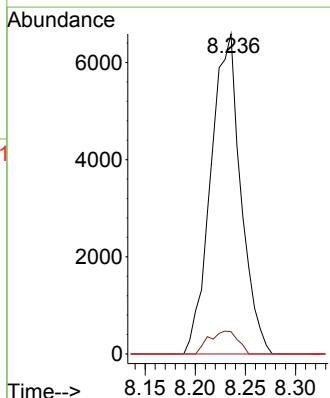
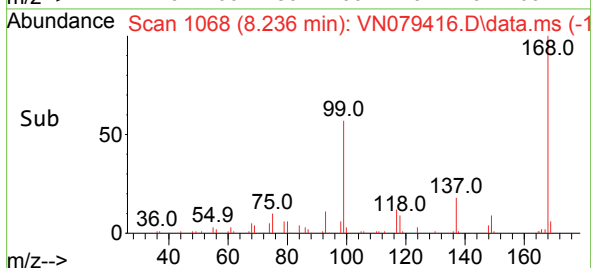
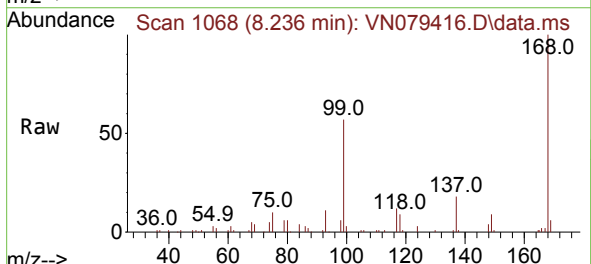


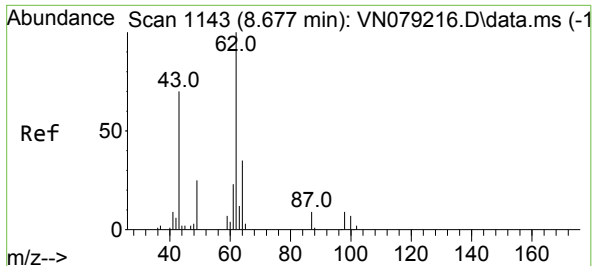
Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
61 5.4 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.993 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Tgt Ion: 117 Resp: 13709
Ion Ratio Lower Upper
117 100
119 6.9 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.320 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN079416.D

Acq: 04 Oct 2023 20:25

Instrument :

MSVOA_N

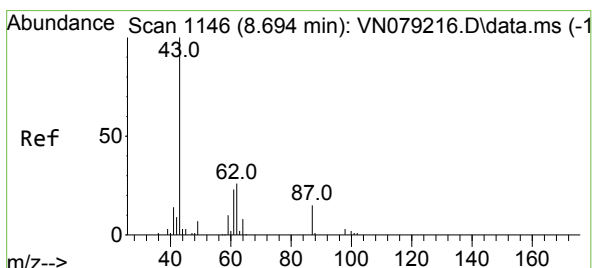
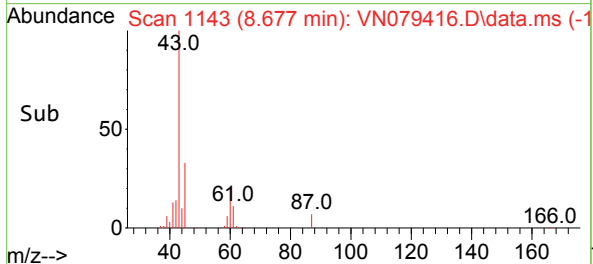
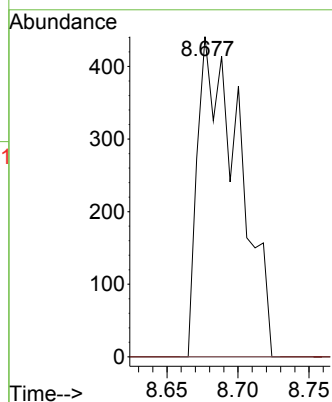
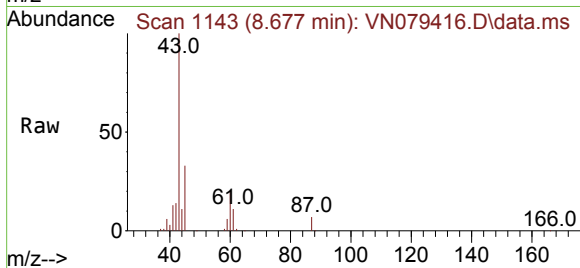
ClientSampleId :

Tgt Ion: 62 Resp: 896

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 48.981 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079416.D

Acq: 04 Oct 2023 20:25

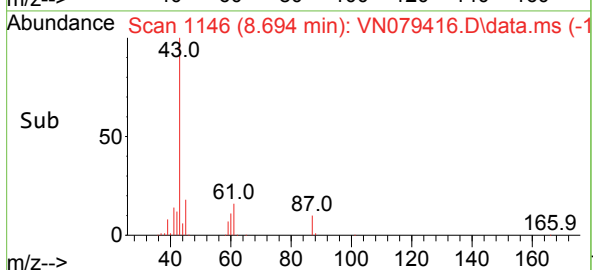
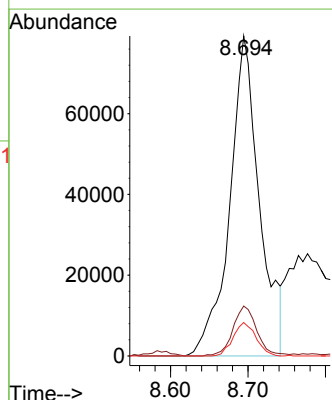
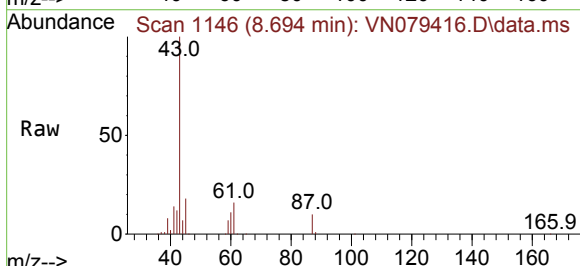
Tgt Ion: 43 Resp: 211485

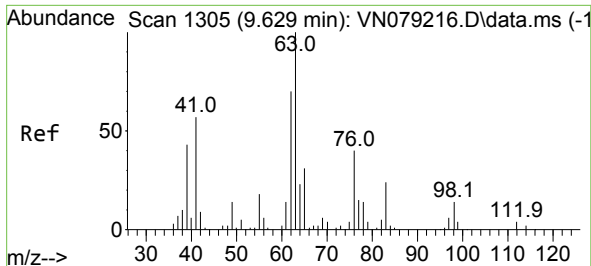
Ion Ratio Lower Upper

43 100

61 12.6 24.7 37.1#

87 8.0 14.6 21.8#

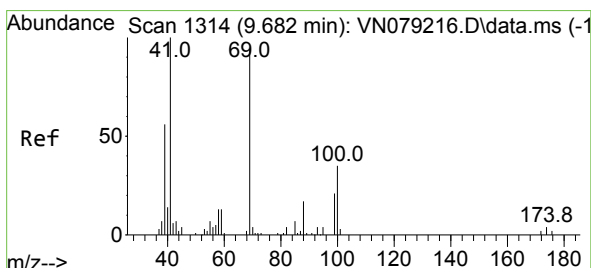
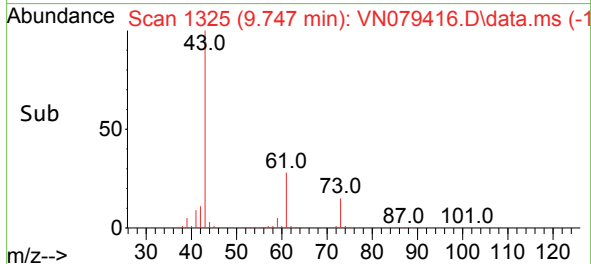
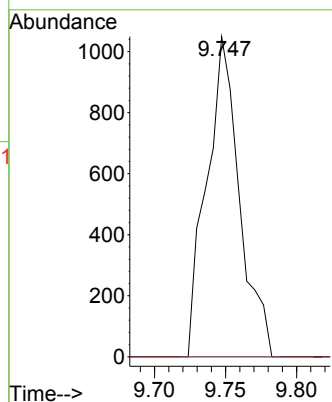
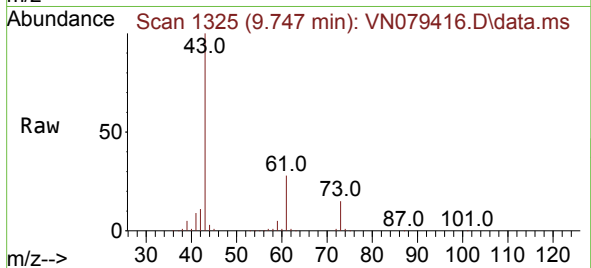




#45
1,2-Dichloropropane
Concen: 0.835 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

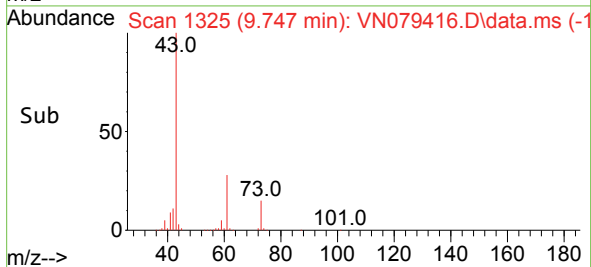
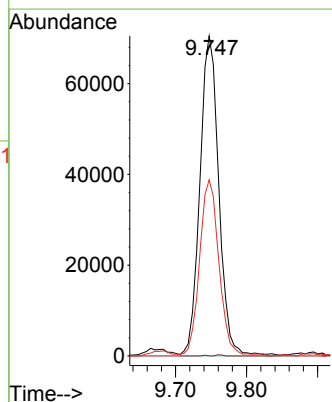
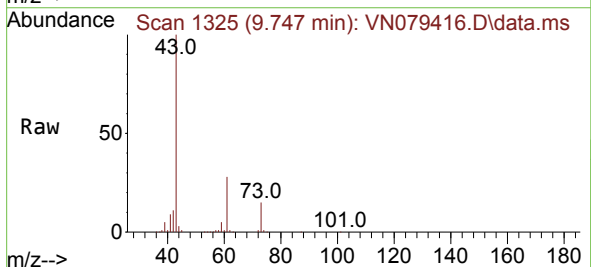
Instrument :
MSVOA_N
ClientSampleId :

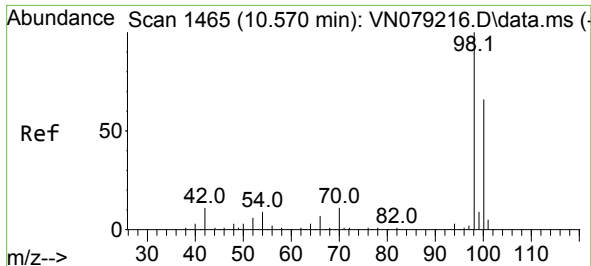
Tgt Ion: 63 Resp: 1682
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 67.719 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.059 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Tgt Ion: 41 Resp: 130967
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 54.9 54.6 81.8

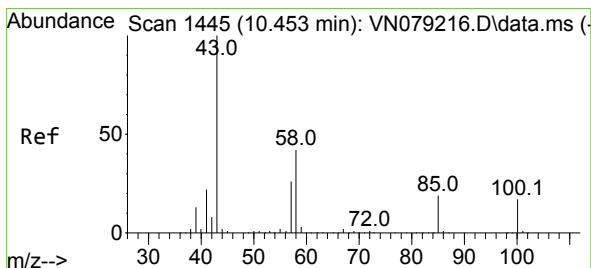
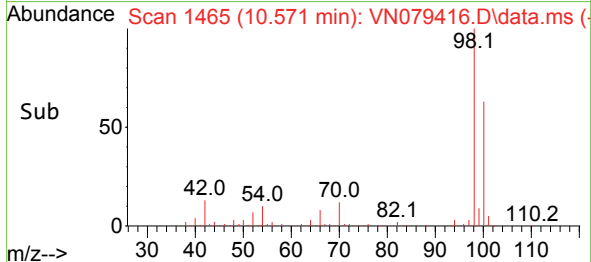
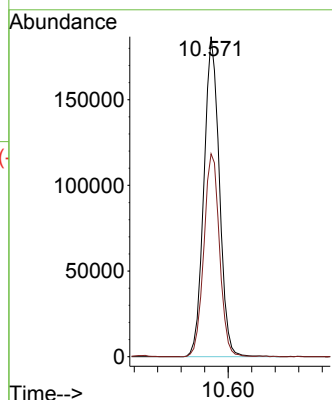
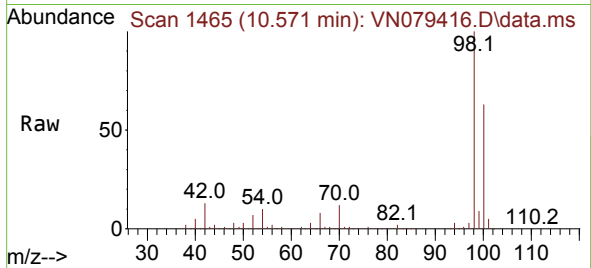




#50
Toluene-d8
Concen: 54.003 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

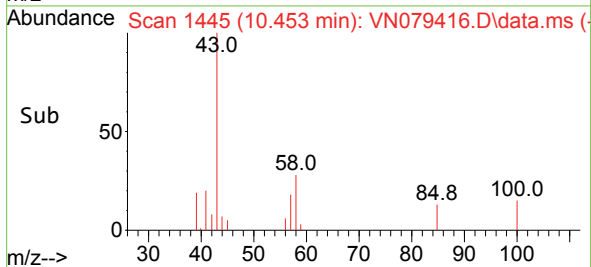
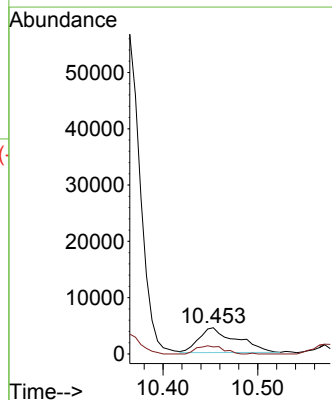
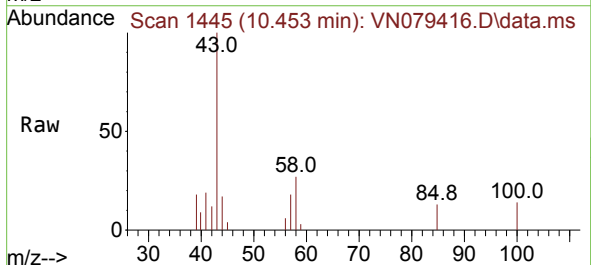
Instrument :
MSVOA_N
ClientSampleId :

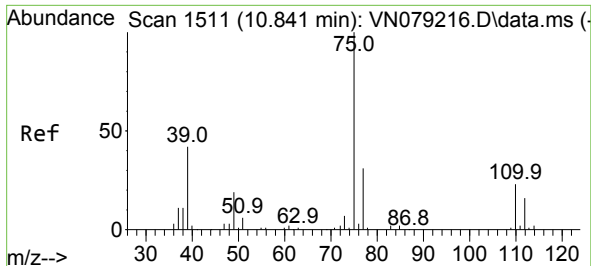
Tgt Ion: 98 Resp: 341290
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.850 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Tgt Ion: 43 Resp: 12155
Ion Ratio Lower Upper
43 100
58 23.4 36.6 54.8#

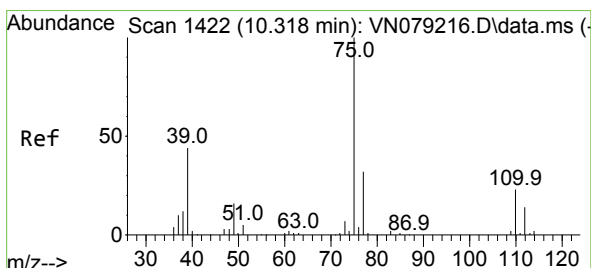
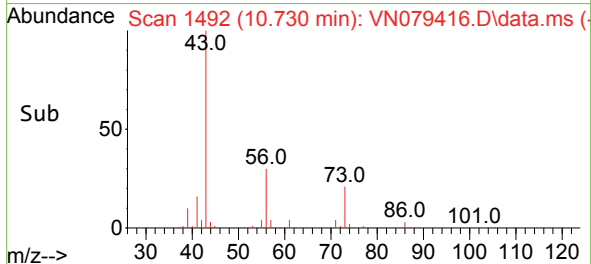
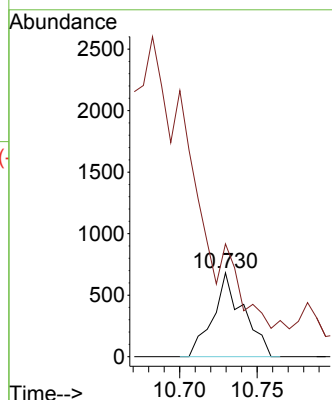
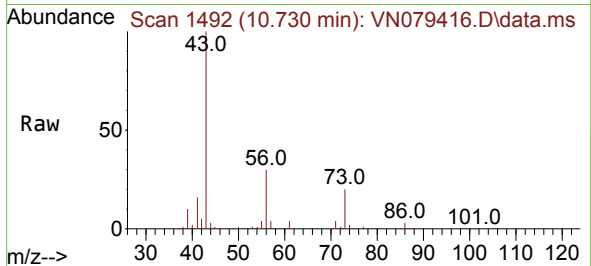




#53
 t-1,3-Dichloropropene
 Concen: 0.314 ug/l
 RT: 10.730 min Scan# 14
 Delta R.T. -0.111 min
 Lab File: VN079416.D
 Acq: 04 Oct 2023 20:25

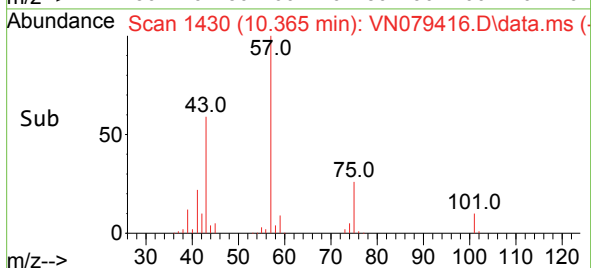
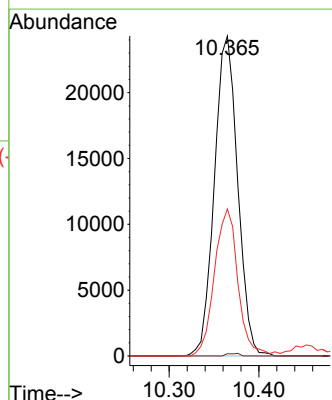
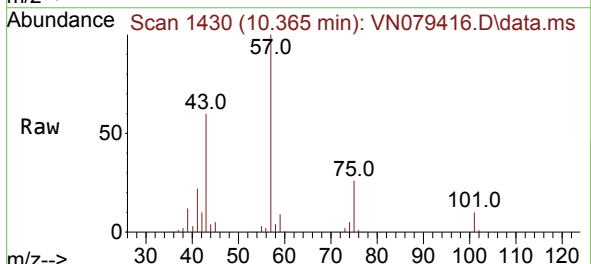
Instrument :
 MSVOA_N
 ClientSampleId :

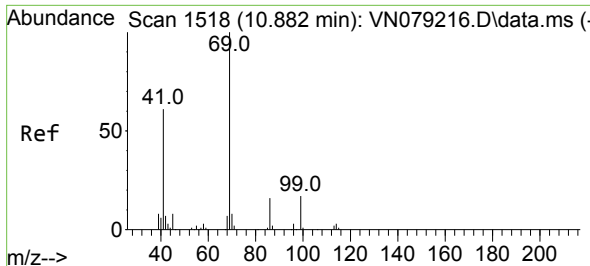
Tgt Ion: 75 Resp: 928
 Ion Ratio Lower Upper
 75 100
 77 91.3 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.850 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079416.D
 Acq: 04 Oct 2023 20:25

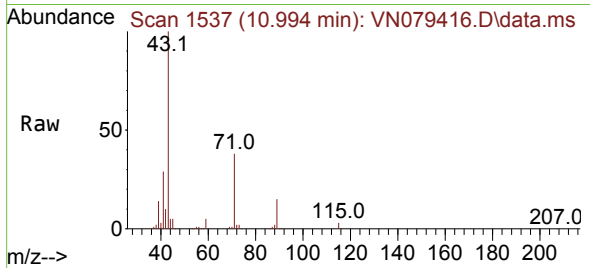
Tgt Ion: 75 Resp: 43775
 Ion Ratio Lower Upper
 75 100
 77 0.7 26.1 39.1#
 39 45.9 31.6 47.4



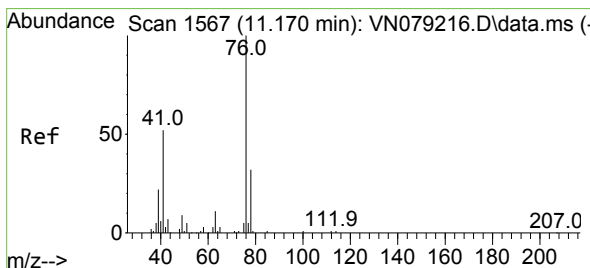
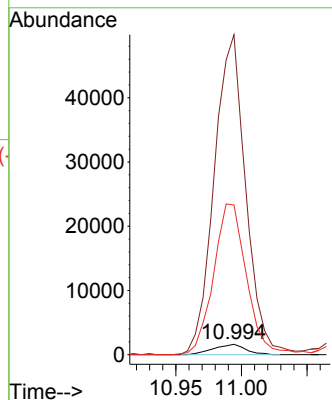
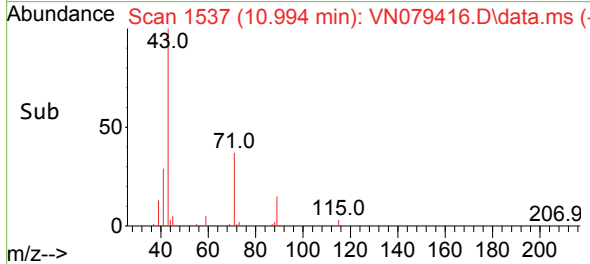


#56
Ethyl methacrylate
Concen: 0.996 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.117 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Instrument :
MSVOA_N
ClientSampleId :

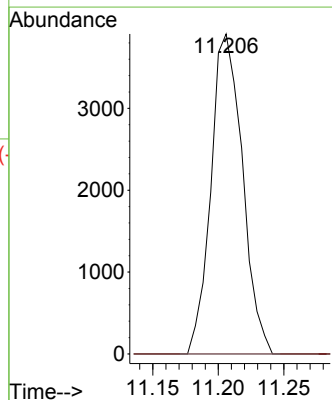
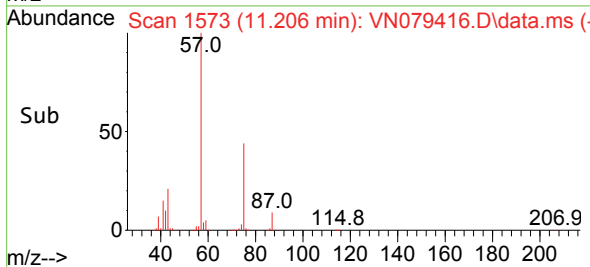
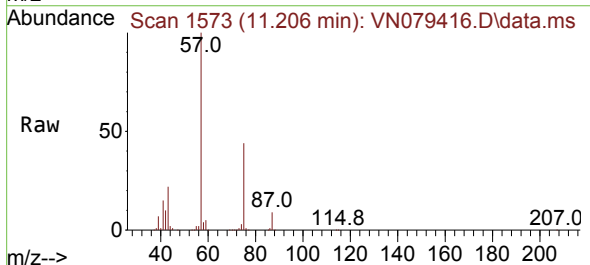


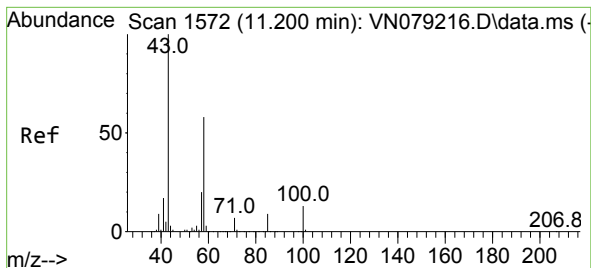
Tgt Ion: 69 Resp: 2754
Ion Ratio Lower Upper
69 100
41 3023.5 39.6 59.4#
39 1499.5 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.929 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Tgt Ion: 76 Resp: 6530
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

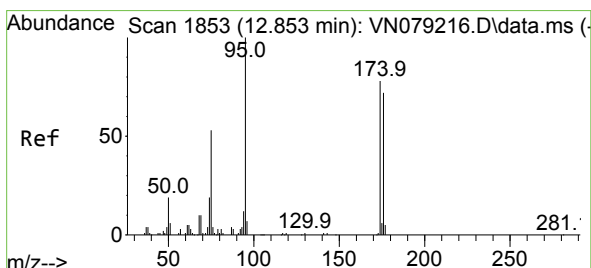
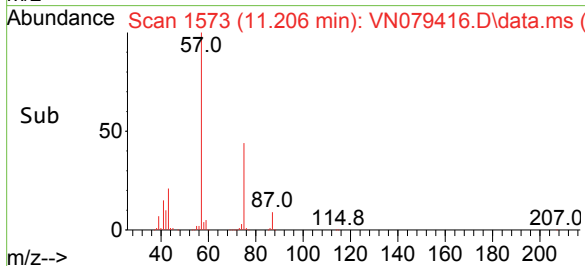
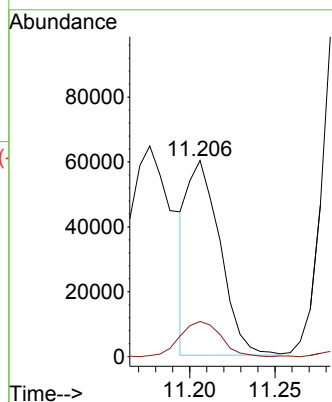
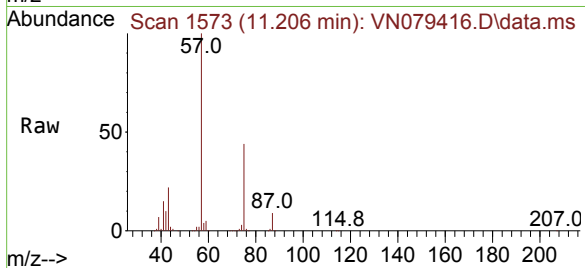




#59
2-Hexanone
Concen: 43.894 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

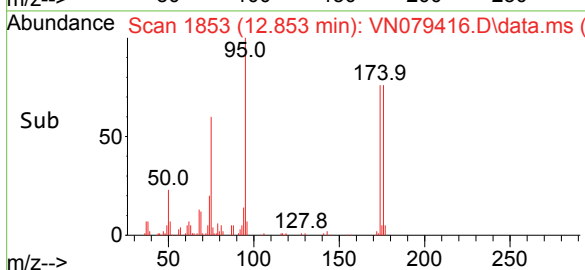
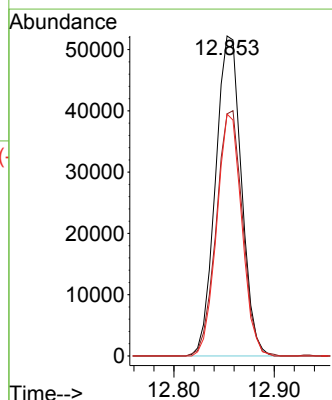
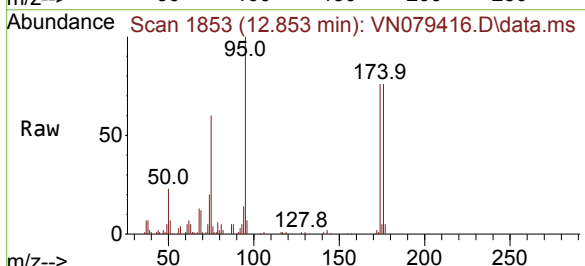
Instrument :
MSVOA_N
ClientSampleId :

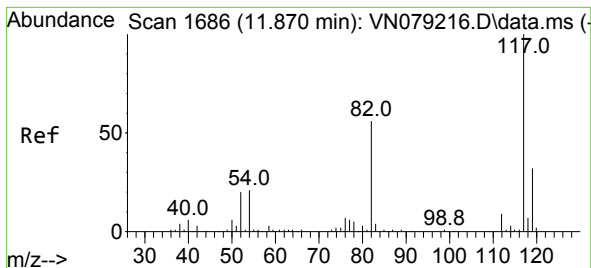
Tgt Ion: 43 Resp: 79682
Ion Ratio Lower Upper
43 100
58 22.9 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.438 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Tgt Ion: 95 Resp: 93614
Ion Ratio Lower Upper
95 100
174 77.6 0.0 143.8
176 73.0 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079416.D

Acq: 04 Oct 2023 20:25

Instrument :

MSVOA_N

ClientSampleId :

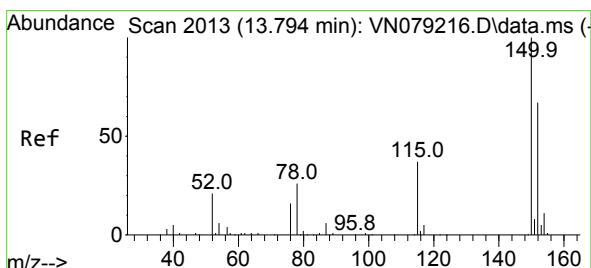
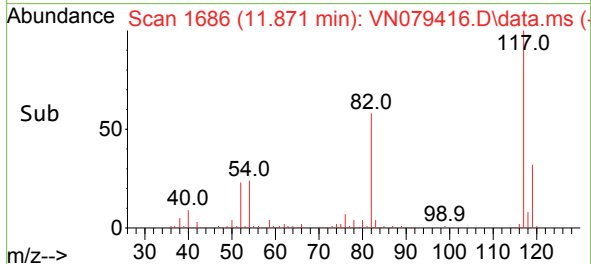
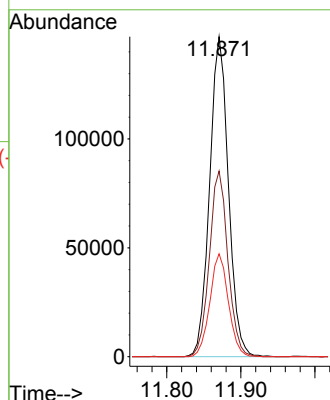
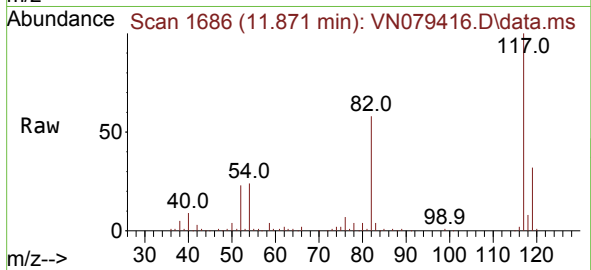
Tgt Ion:117 Resp: 258761

Ion Ratio Lower Upper

117 100

82 58.0 44.0 66.0

119 32.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079416.D

Acq: 04 Oct 2023 20:25

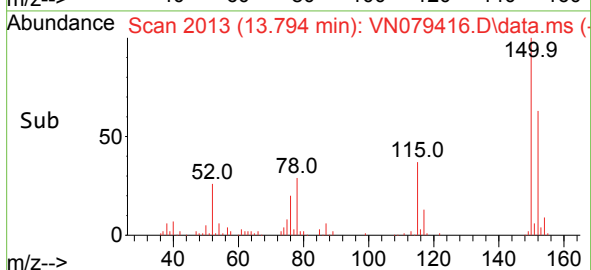
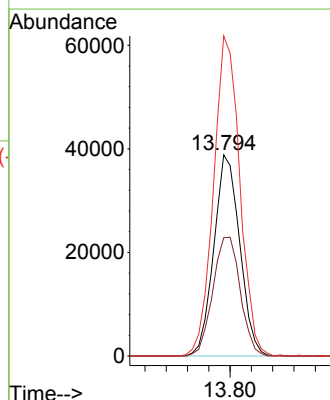
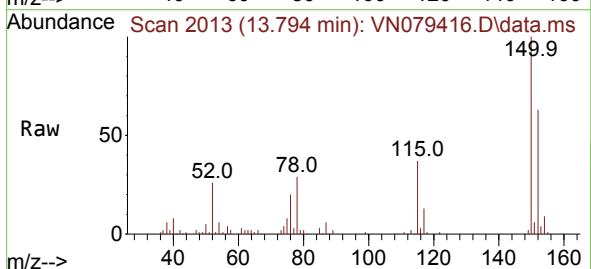
Tgt Ion:152 Resp: 65386

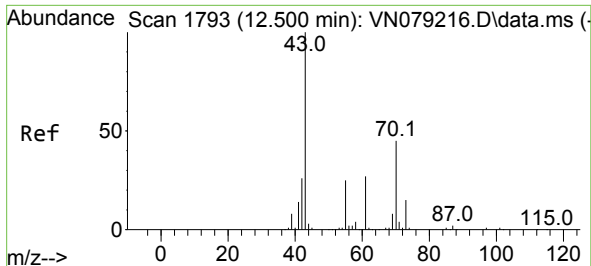
Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

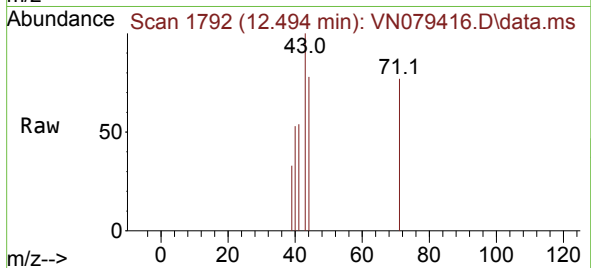
150 161.4 0.0 355.8



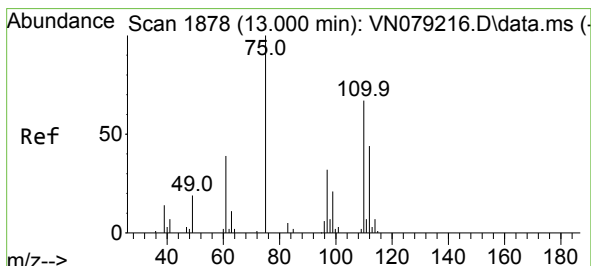
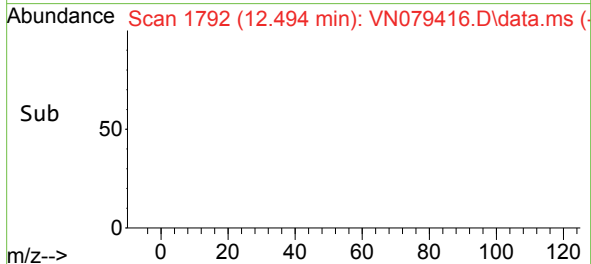
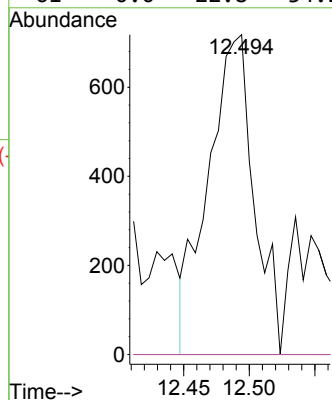


#74
N-amy1 acetate
Concen: 0.777 ug/l
RT: 12.494 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

Instrument :
MSVOA_N
ClientSampleId :

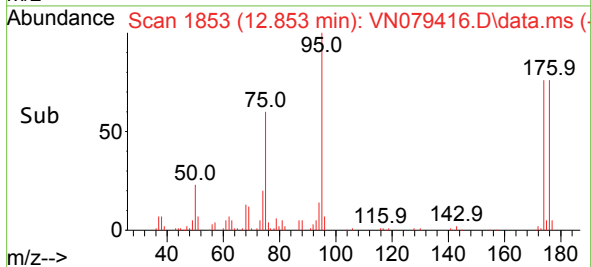
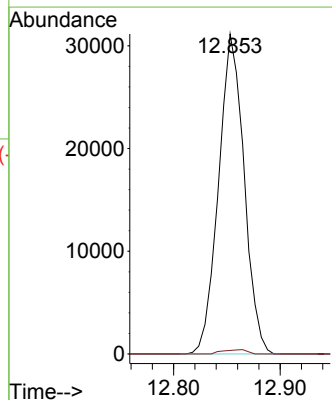
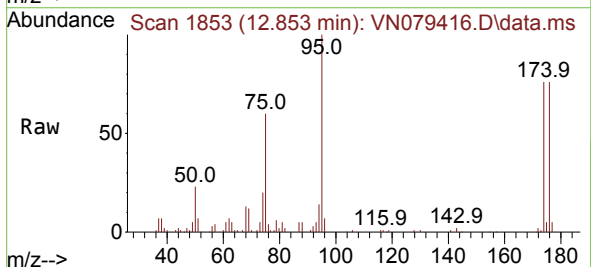


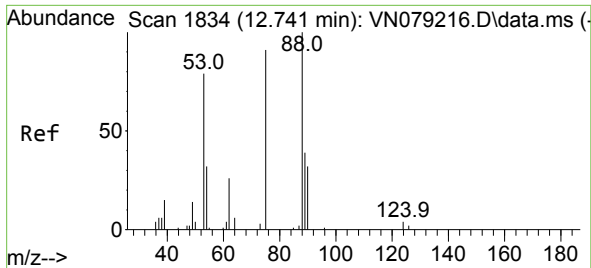
Tgt Ion: 43 Resp: 1753
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 29.392 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079416.D
Acq: 04 Oct 2023 20:25

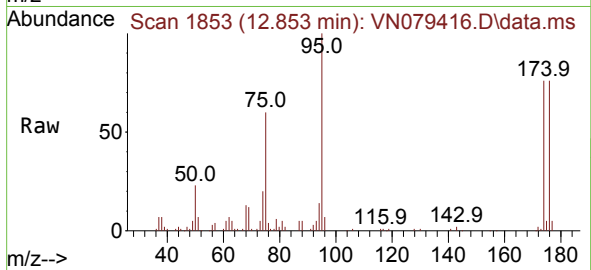
Tgt Ion: 75 Resp: 51796
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.805 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079416.D
 Acq: 04 Oct 2023 20:25

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 51796
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.4 101.2#
 89 0.1 38.8 58.2#

