

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079932.D
 Acq On : 06 Nov 2023 18:57
 Operator : JC\MD
 Sample : PB156885ZHE#15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:52:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

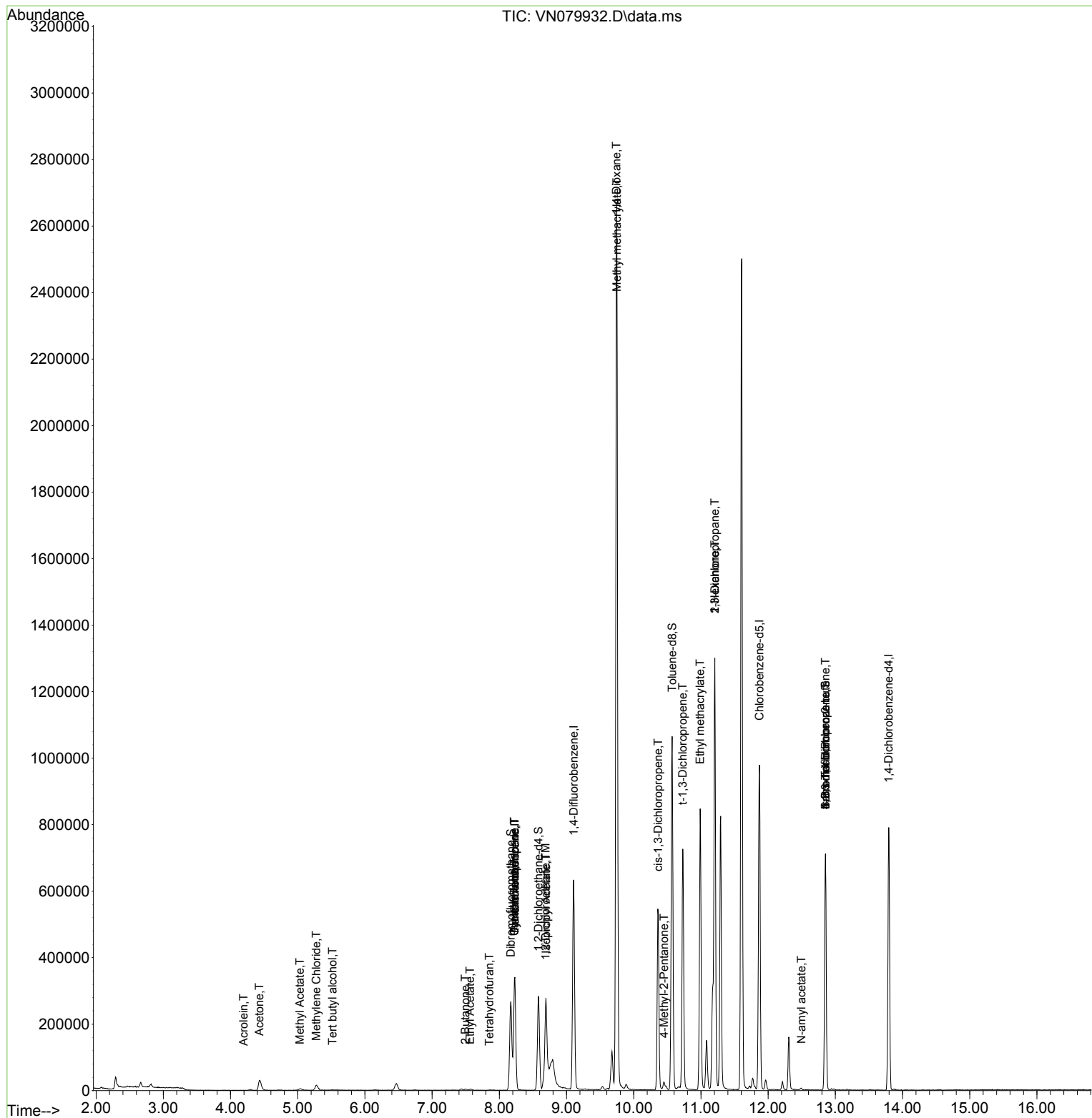
Internal Standards						
1) Pentafluorobenzene	8.230	168	233593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	515075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	558750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	204010	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	228792	64.288	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 128.580%#			
35) Dibromofluoromethane	8.171	113	187922	51.549	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.100%			
50) Toluene-d8	10.571	98	710452	52.938	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.880%			
62) 4-Bromofluorobenzene	12.853	95	240167	53.960	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.920%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	1172	Below Cal		97
11) Tert butyl alcohol	5.518	59	740	1.629 ug/l #		72
13) Acrolein	4.195	56	62	2.724 ug/l #		16
16) Acetone	4.430	43	60645	48.513 ug/l #		87
18) Methyl Acetate	5.030	43	10708	1.790 ug/l #		80
20) Methylene Chloride	5.277	84	11467	3.635 ug/l #		94
25) 2-Butanone	7.494	43	5963	3.257 ug/l #		68
29) Tetrahydrofuran	7.853	42	482	0.405 ug/l #		62
31) Cyclohexane	8.224	56	6652	1.415 ug/l #		42
36) 1,1-Dichloropropene	8.230	75	22649	4.351 ug/l #		47
37) Ethyl Acetate	7.565	43	6293	1.318 ug/l #		85
38) Carbon Tetrachloride	8.224	117	24938	4.754 ug/l #		17
42) 1,2-Dichloroethane	8.688	62	1830	0.336 ug/l #		73
43) Isopropyl Acetate	8.694	43	344447	41.144 ug/l #		74
48) Methyl methacrylate	9.747	41	245492	66.948 ug/l #		28
49) 1,4-Dioxane	9.741	88	303	4.676 ug/l #		1
51) 4-Methyl-2-Pentanone	10.453	43	20756	4.404 ug/l #		72
53) t-1,3-Dichloropropene	10.730	75	1987	0.349 ug/l #		95
54) cis-1,3-Dichloropropene	10.365	75	91300	14.727 ug/l #		71
56) Ethyl methacrylate	10.988	69	4535	0.855 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	12435	1.898 ug/l #		42
59) 2-Hexanone	11.206	43	186395	51.696 ug/l #		43
71) Bromoform	12.853	173	1669	0.538 ug/l #		1
74) N-amyl acetate	12.494	43	2269	0.336 ug/l #		40
76) 1,2,3-Trichloropropane	12.853	75	132332	27.629 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	132332	75.173 ug/l #		15

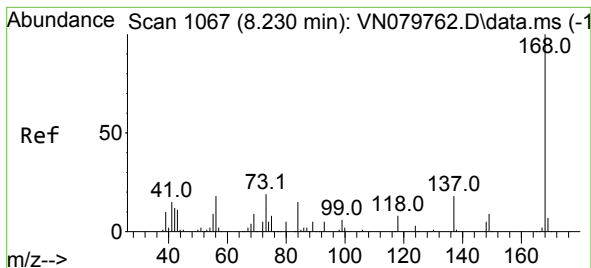
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. 0.001 min

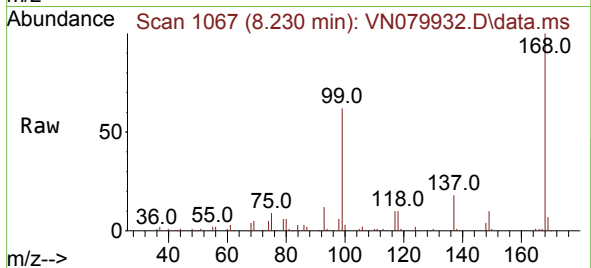
Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

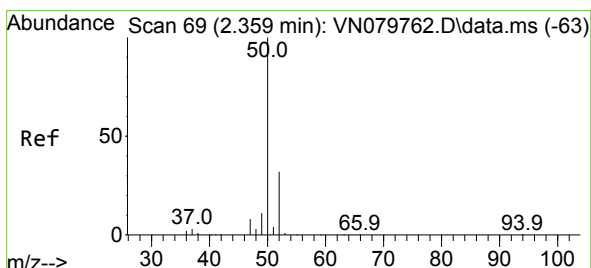
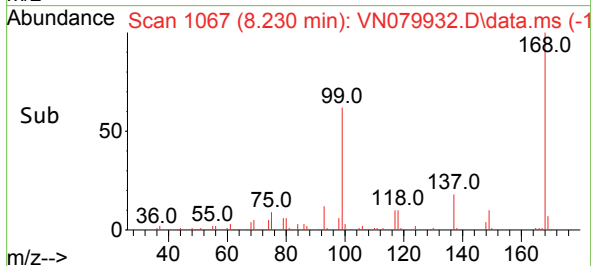
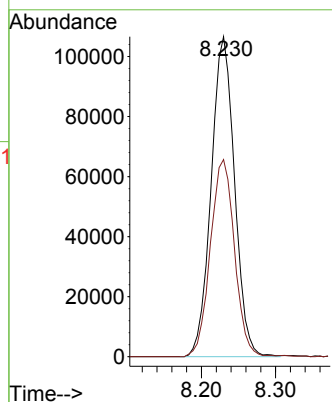


Tgt Ion:168 Resp: 233593

Ion Ratio Lower Upper

168 100

99 61.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079932.D

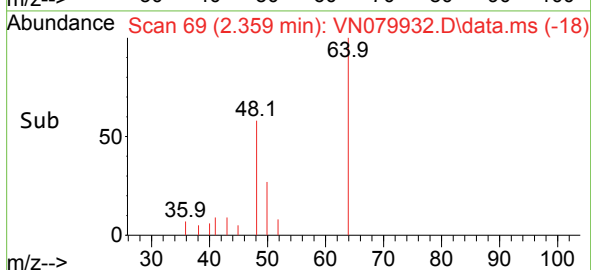
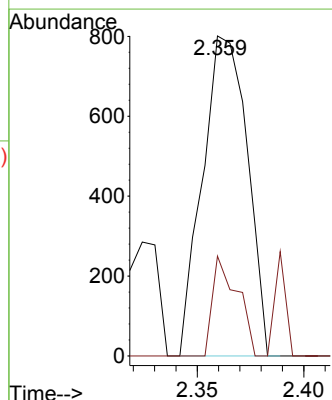
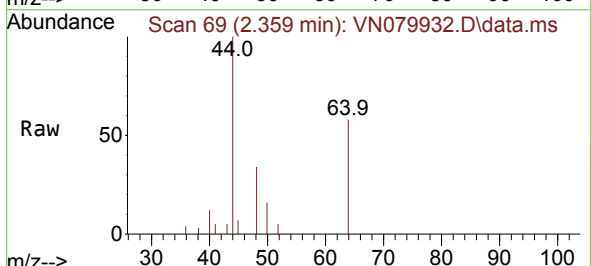
Acq: 06 Nov 2023 18:57

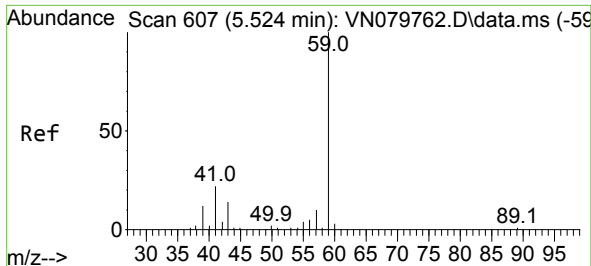
Tgt Ion: 50 Resp: 1172

Ion Ratio Lower Upper

50 100

52 31.2 26.5 39.7

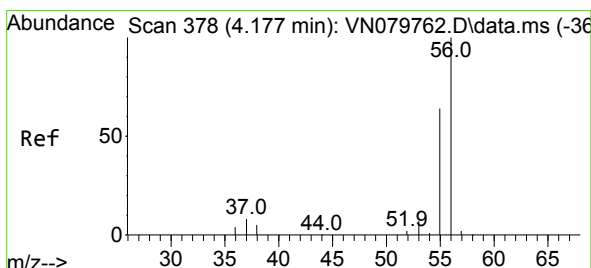
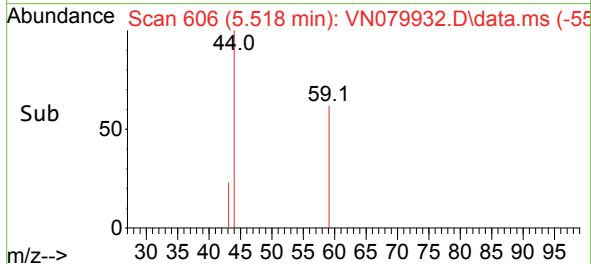
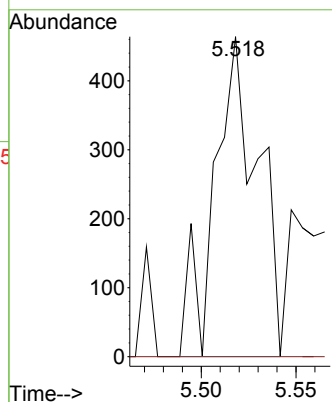
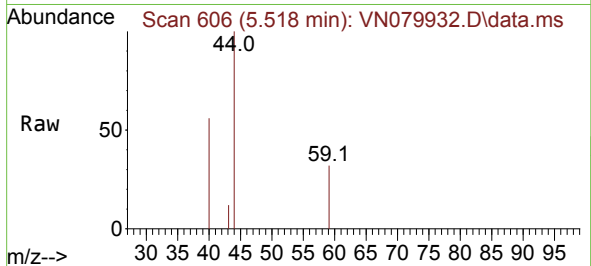




#11
Tert butyl alcohol
Concen: 1.629 ug/l
RT: 5.518 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

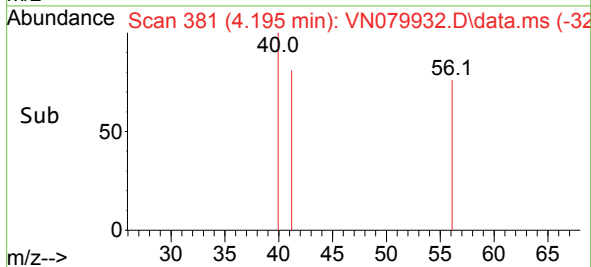
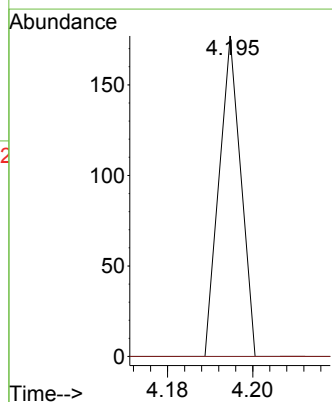
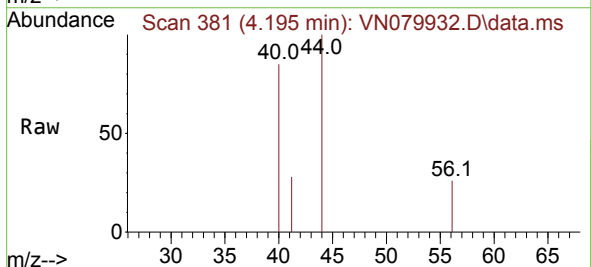
Instrument :
MSVOA_N
ClientSampleId :

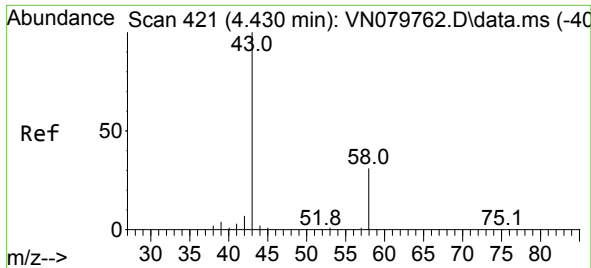
Tgt Ion: 59 Resp: 740
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.724 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

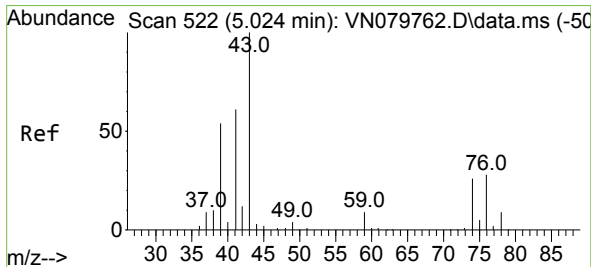
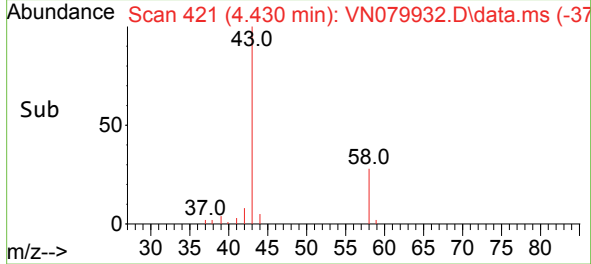
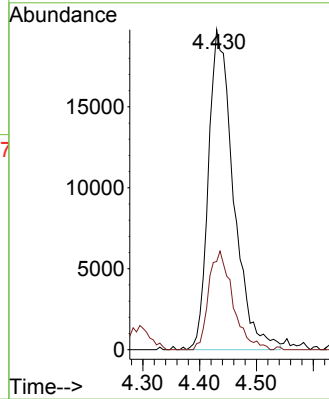
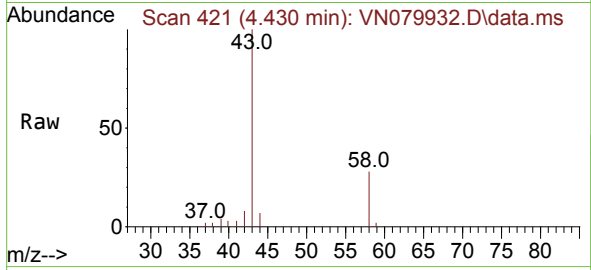




#16
Acetone
Concen: 48.513 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

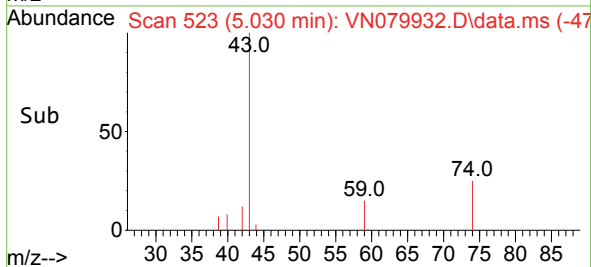
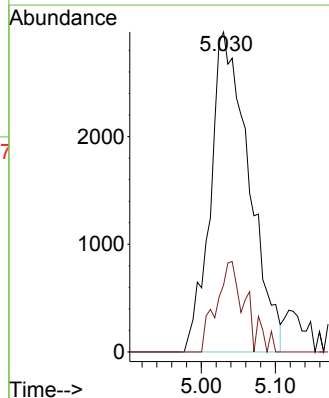
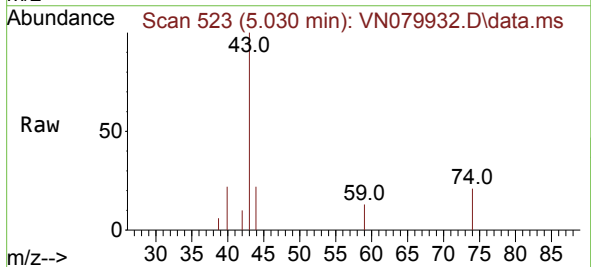
Instrument :
MSVOA_N
ClientSampleId :

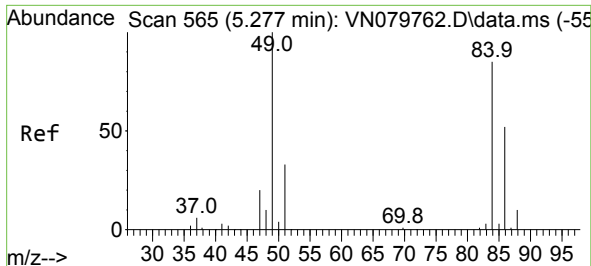
Tgt Ion: 43 Resp: 60645
Ion Ratio Lower Upper
43 100
58 27.6 28.0 42.0#



#18
Methyl Acetate
Concen: 1.790 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

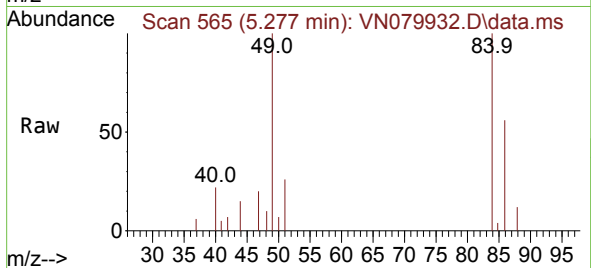
Tgt Ion: 43 Resp: 10708
Ion Ratio Lower Upper
43 100
74 21.8 26.2 39.4#



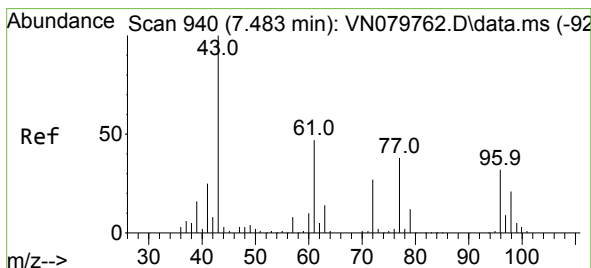
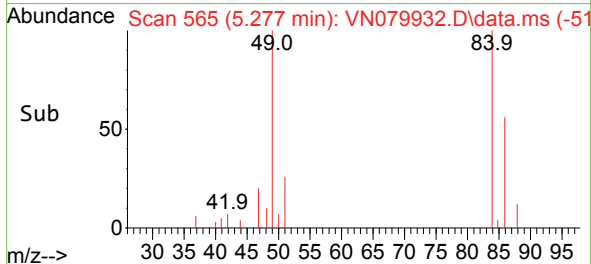
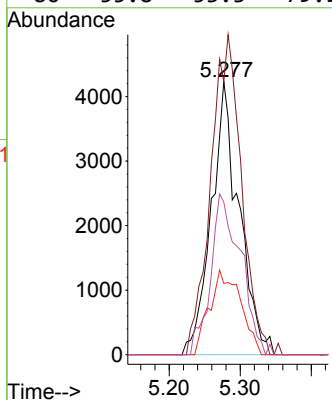


#20
Methylene Chloride
Concen: 3.635 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Instrument :
MSVOA_N
ClientSampleId :

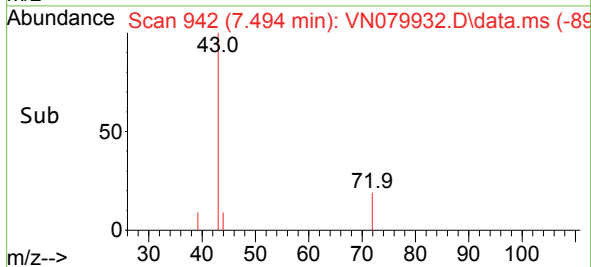
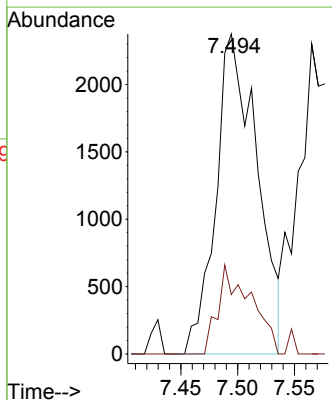
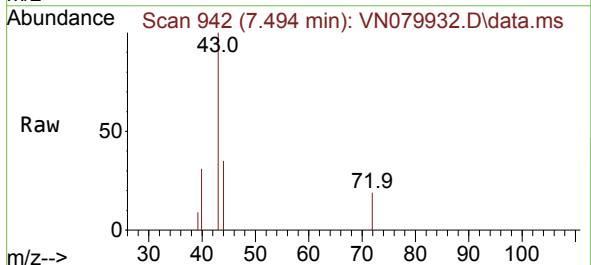


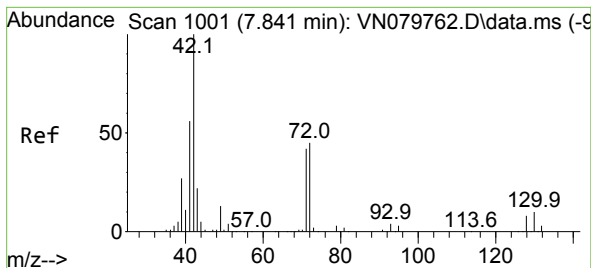
Tgt Ion:	84	Resp:	11467
Ion	Ratio	Lower	Upper
84	100		
49	99.9	79.7	119.5
51	26.1	25.2	37.8
86	55.8	53.3	79.9



#25
2-Butanone
Concen: 3.257 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Tgt Ion:	43	Resp:	5963
Ion	Ratio	Lower	Upper
43	100		
72	18.6	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.405 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

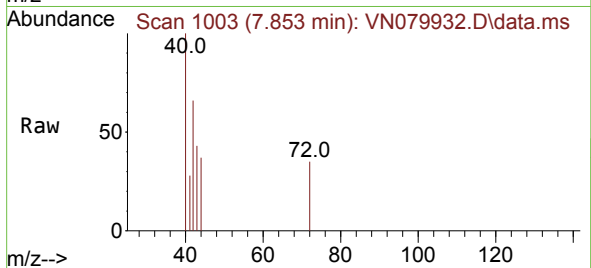
Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :



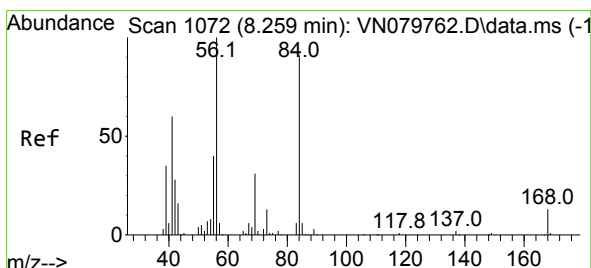
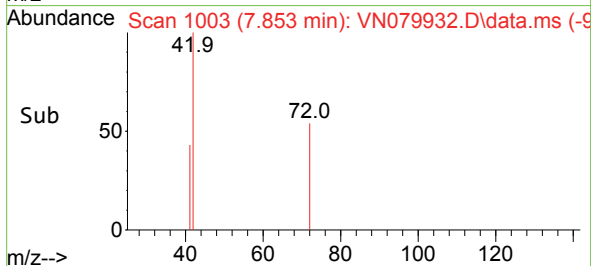
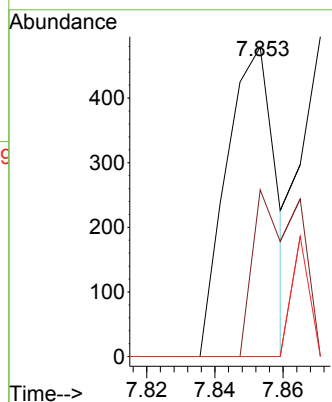
Tgt Ion: 42 Resp: 482

Ion Ratio Lower Upper

42 100

72 49.8 49.8 74.6

71 13.7 47.4 71.2#



#31

Cyclohexane

Concen: 1.415 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

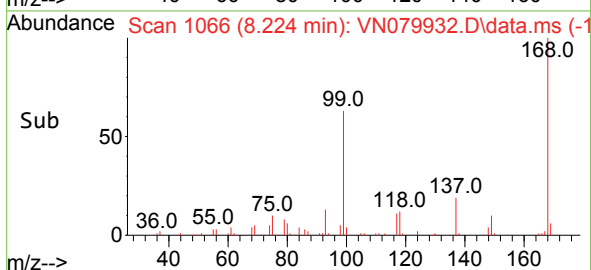
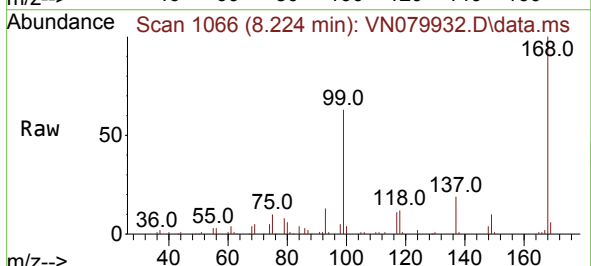
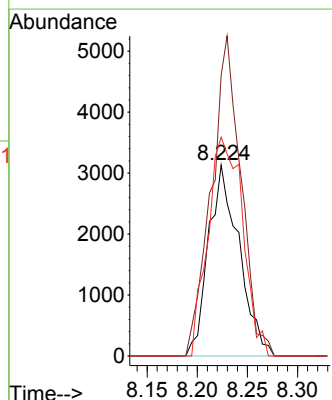
Tgt Ion: 56 Resp: 6652

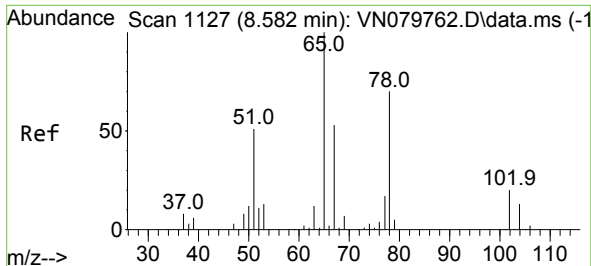
Ion Ratio Lower Upper

56 100

69 147.0 26.8 40.2#

84 114.6 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 64.288 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

Instrument :

MSVOA_N

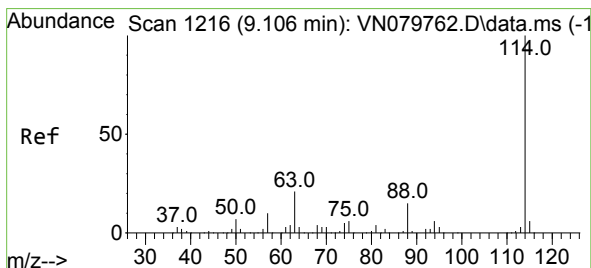
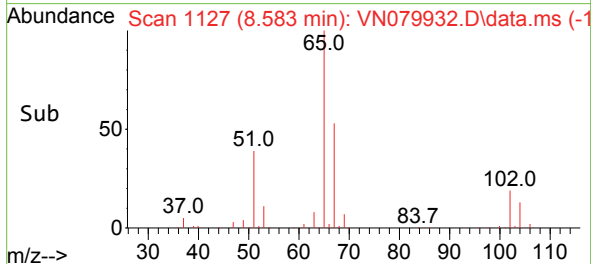
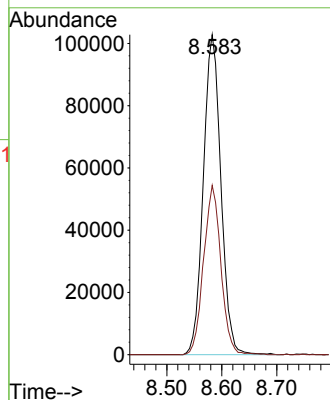
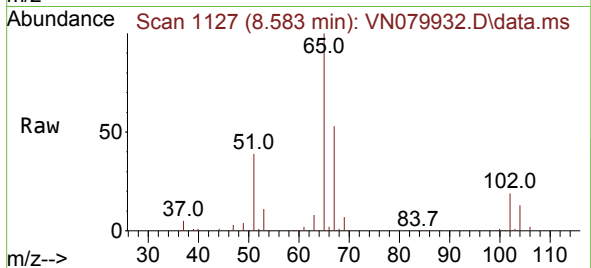
ClientSampleId :

Tgt Ion: 65 Resp: 228792

Ion Ratio Lower Upper

65 100

67 52.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

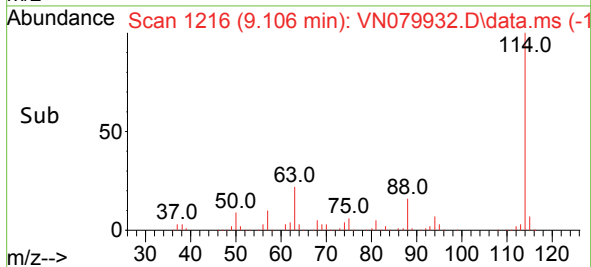
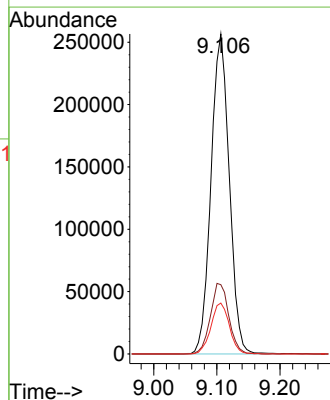
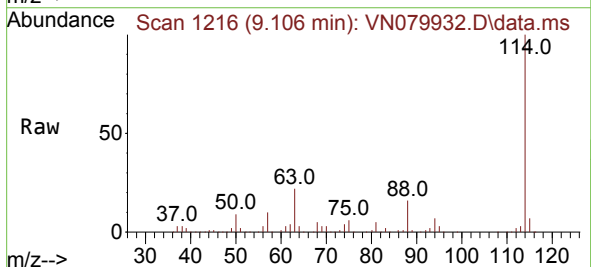
Tgt Ion: 114 Resp: 515075

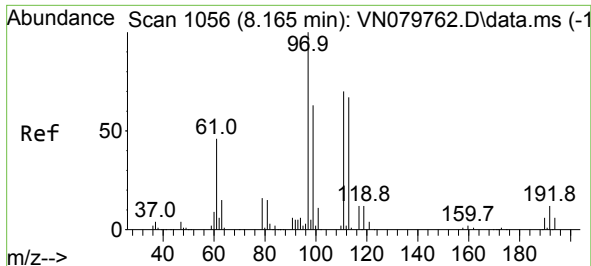
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

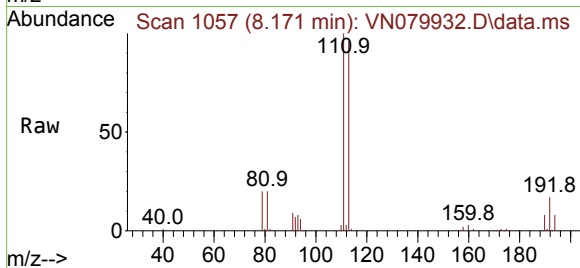
88 15.9 0.0 30.6



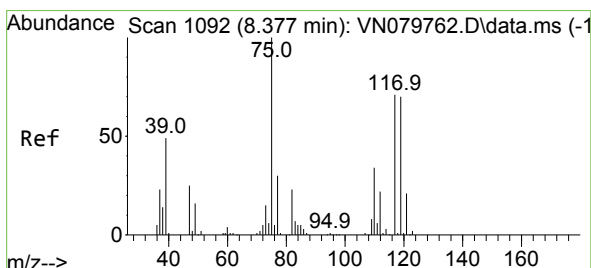
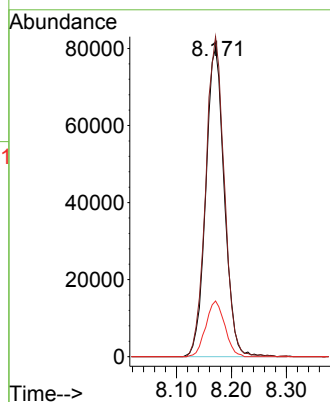
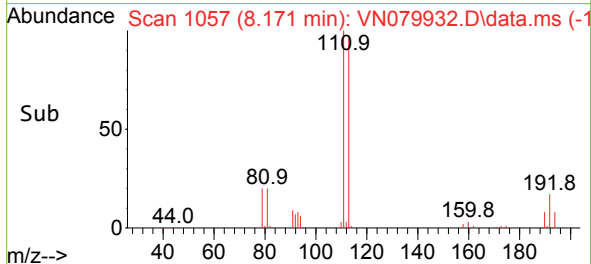


#35
Dibromofluoromethane
Concen: 51.549 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Instrument :
MSVOA_N
ClientSampleId :

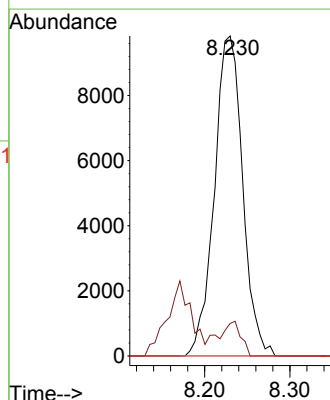
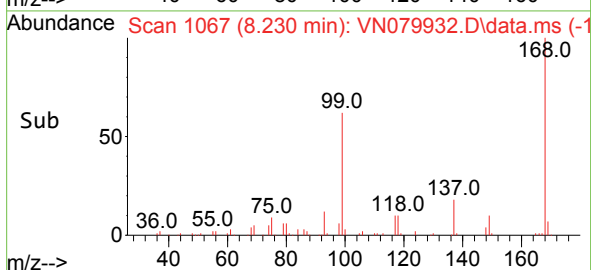
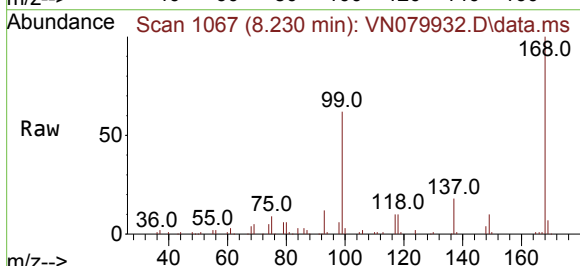


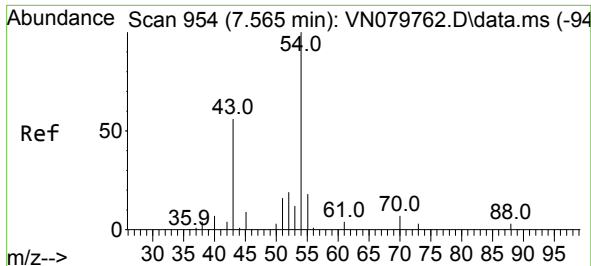
Tgt Ion:113 Resp: 187922
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 18.4 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.351 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

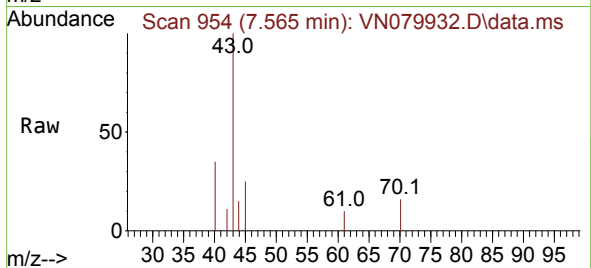
Tgt Ion: 75 Resp: 22649
Ion Ratio Lower Upper
75 100
110 7.9 19.1 57.3#
77 0.0 25.0 37.4#



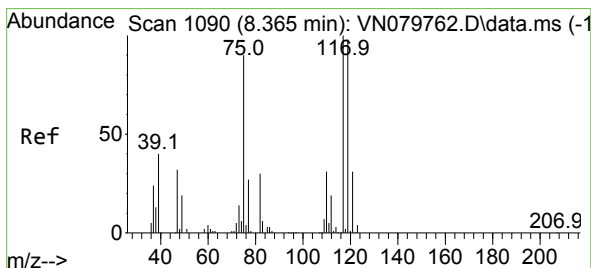
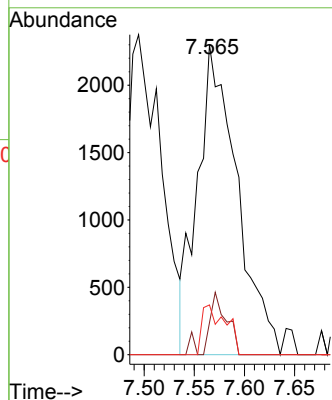
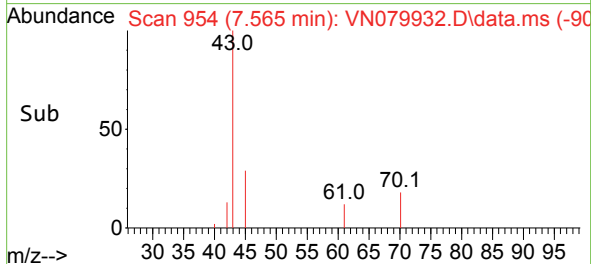


#37
Ethyl Acetate
Concen: 1.318 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Instrument :
MSVOA_N
ClientSampleId :

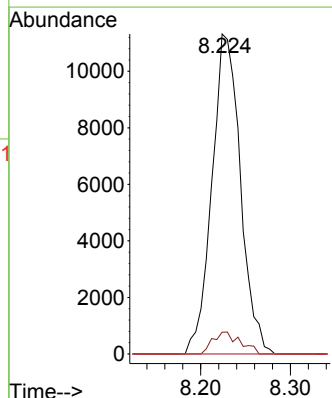
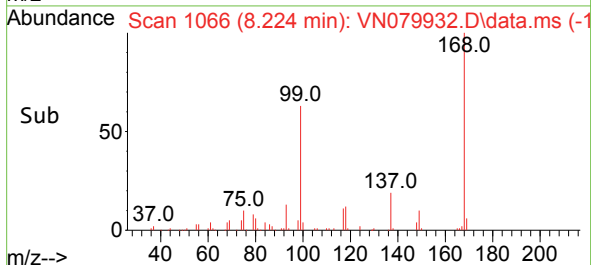
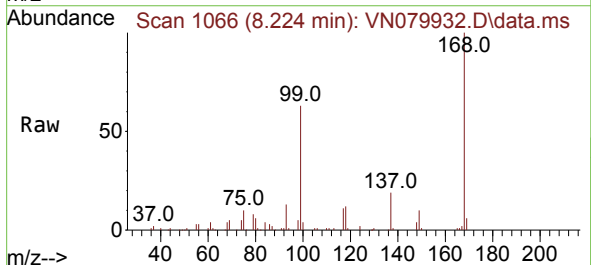


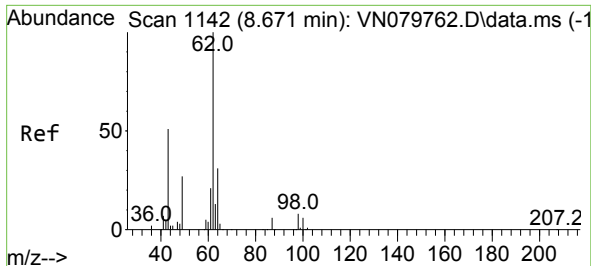
Tgt Ion: 43 Resp: 6293
Ion Ratio Lower Upper
43 100
61 8.4 13.2 19.8#
70 9.6 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.754 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Tgt Ion: 117 Resp: 24938
Ion Ratio Lower Upper
117 100
119 6.8 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.336 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

Instrument :

MSVOA_N

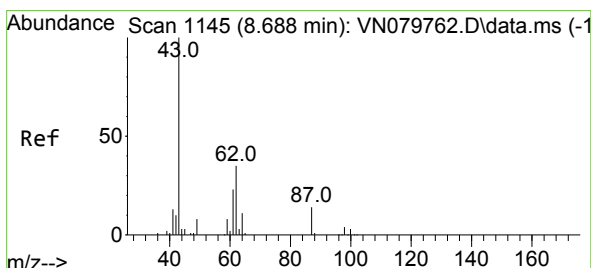
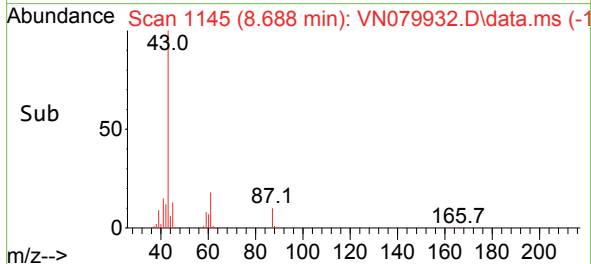
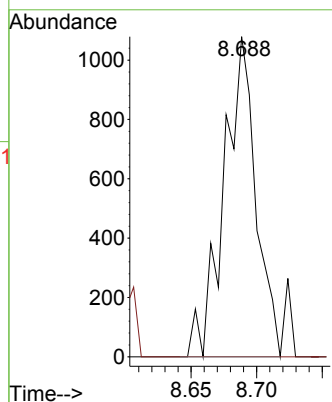
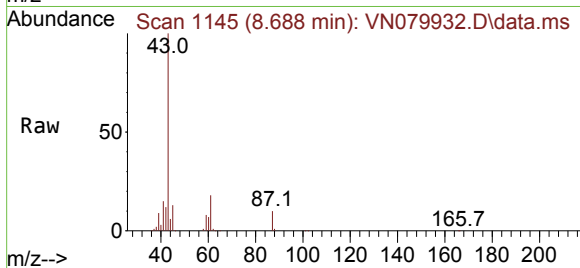
ClientSampleId :

Tgt Ion: 62 Resp: 1830

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 41.144 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

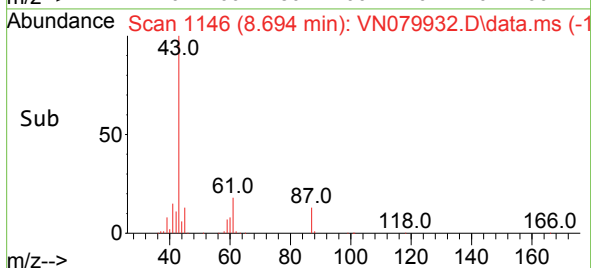
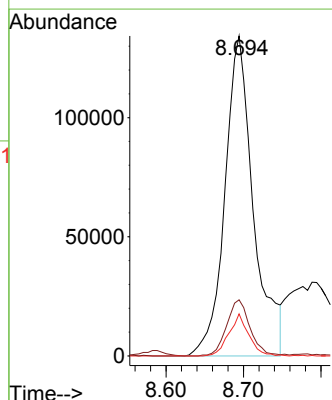
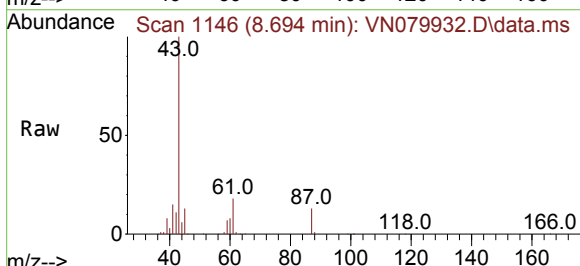
Tgt Ion: 43 Resp: 344447

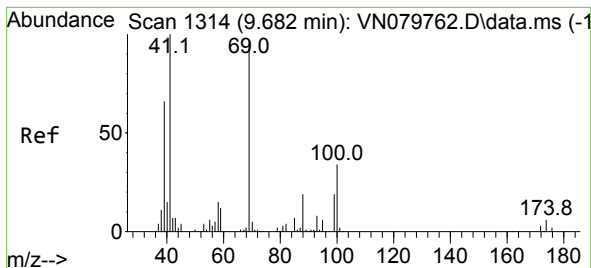
Ion Ratio Lower Upper

43 100

61 14.5 24.7 37.1#

87 9.2 14.6 21.8#





#48

Methyl methacrylate

Concen: 66.948 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

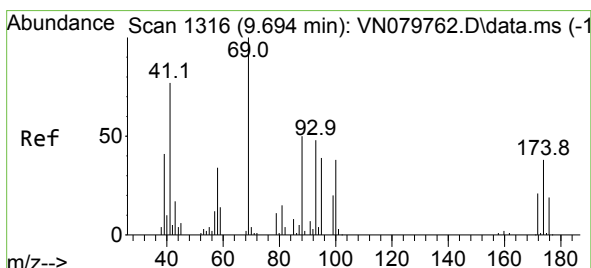
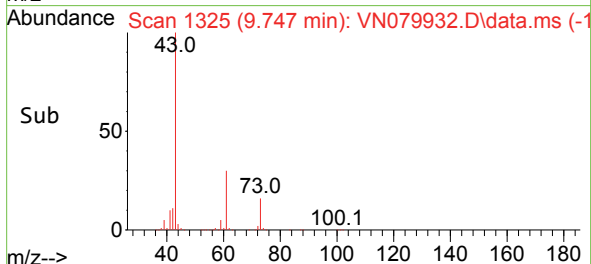
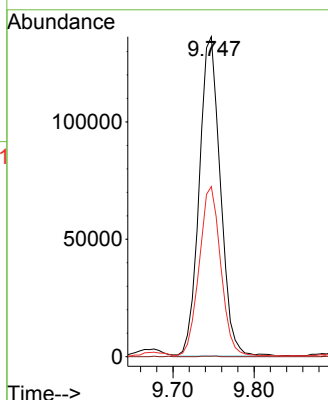
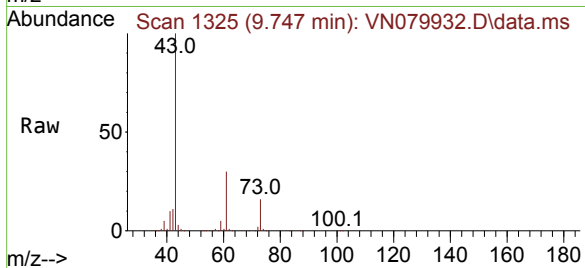
Tgt Ion: 41 Resp: 245492

Ion Ratio Lower Upper

41 100

69 0.1 90.4 135.6#

39 54.3 54.6 81.8#



#49

1,4-Dioxane

Concen: 4.676 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.047 min

Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

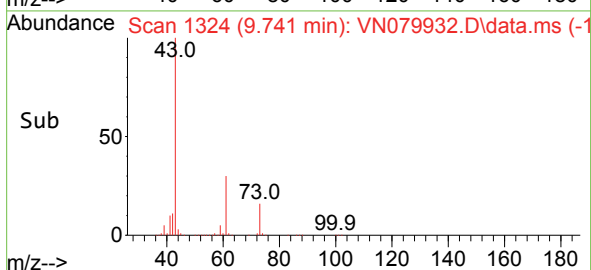
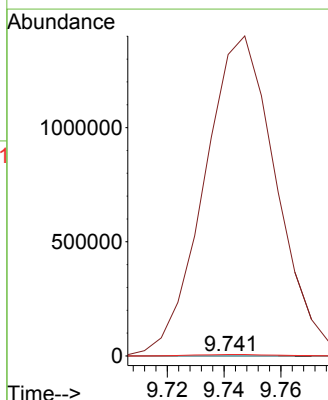
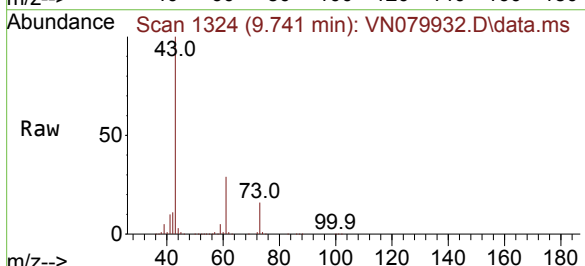
Tgt Ion: 88 Resp: 303

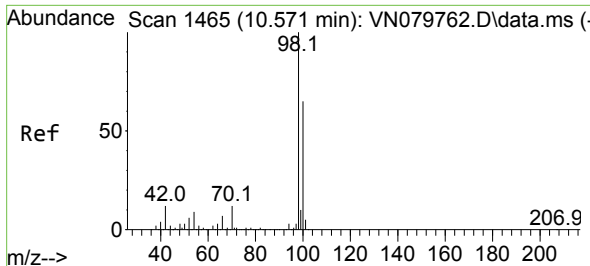
Ion Ratio Lower Upper

88 100

43 821015.2 17.0 25.6#

58 4353.1 47.0 70.4#

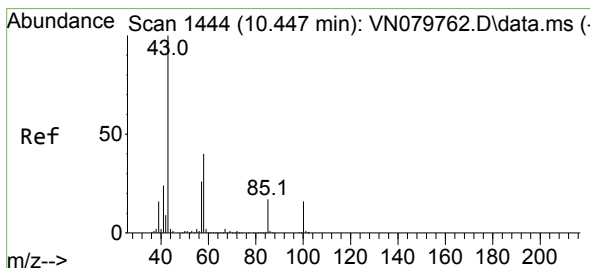
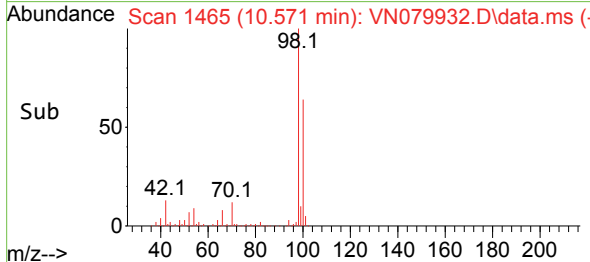
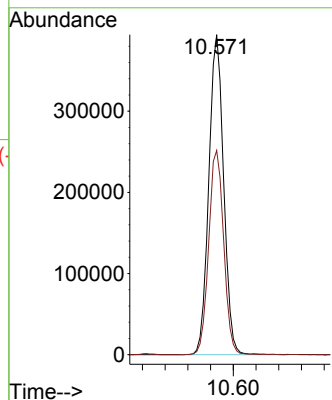
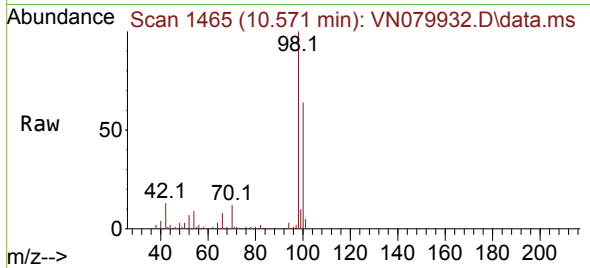




#50
Toluene-d8
Concen: 52.938 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

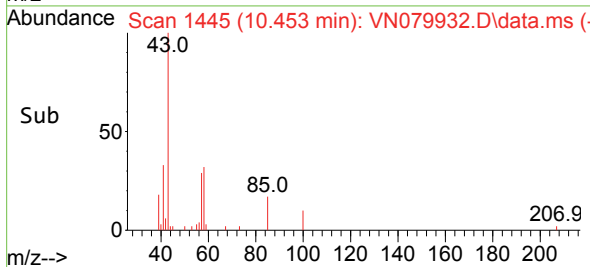
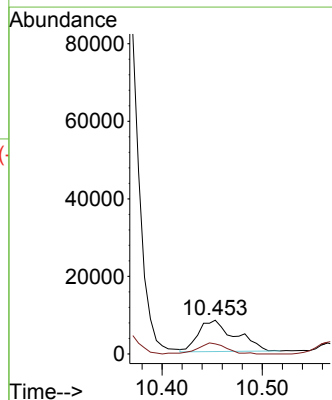
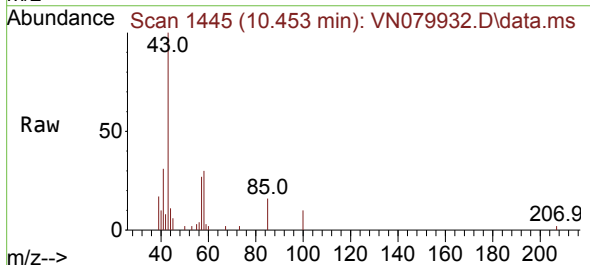
Instrument :
MSVOA_N
ClientSampleId :

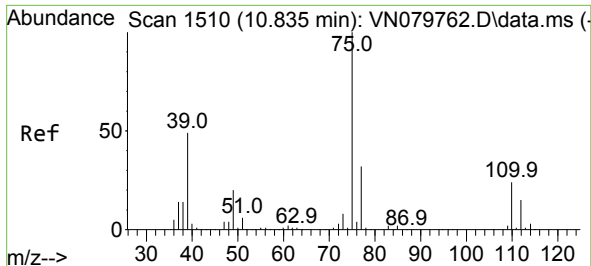
Tgt Ion: 98 Resp: 710452
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.404 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Tgt Ion: 43 Resp: 20756
Ion Ratio Lower Upper
43 100
58 27.2 36.6 54.8#

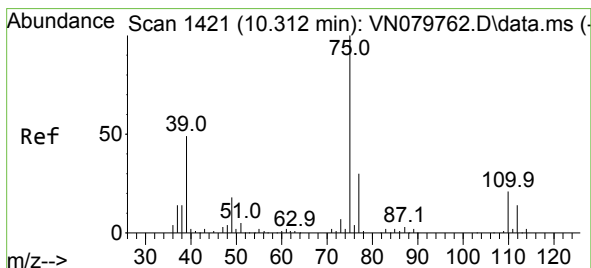
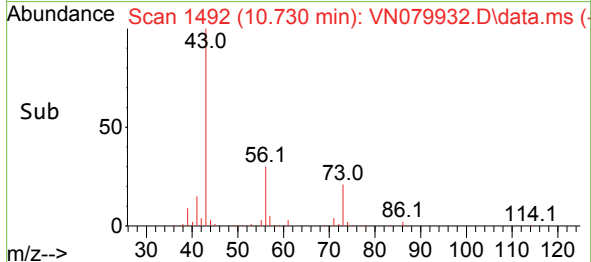
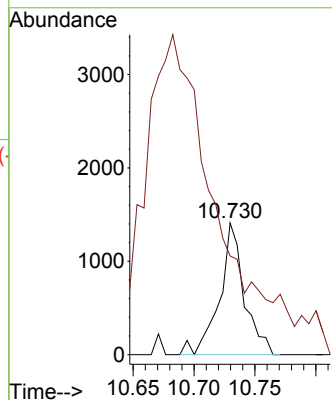
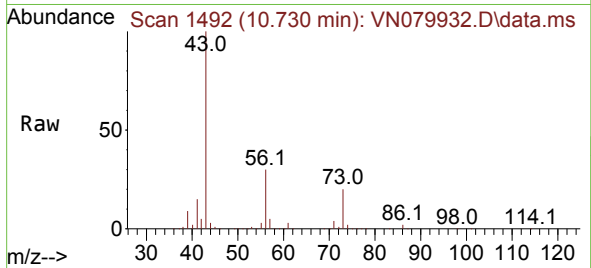




#53
 t-1,3-Dichloropropene
 Concen: 0.349 ug/l
 RT: 10.730 min Scan# 14
 Delta R.T. -0.112 min
 Lab File: VN079932.D
 Acq: 06 Nov 2023 18:57

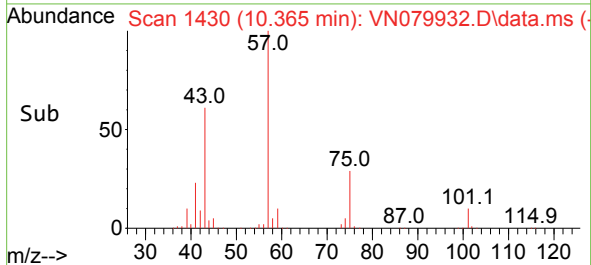
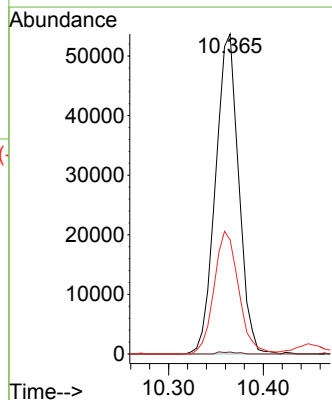
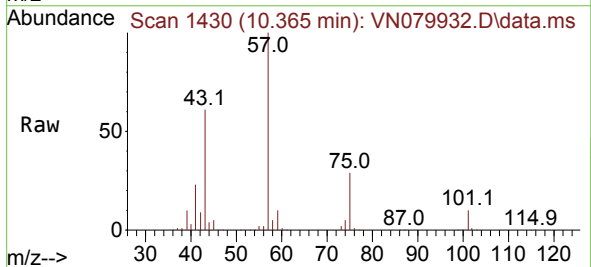
Instrument :
 MSVOA_N
 ClientSampleId :

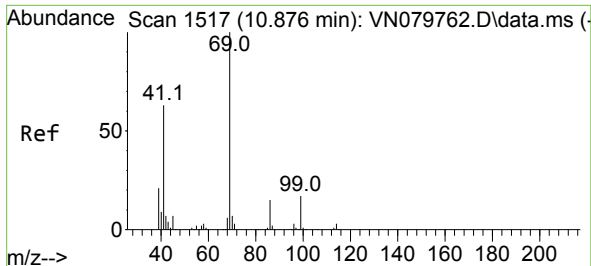
Tgt Ion: 75 Resp: 1987
 Ion Ratio Lower Upper
 75 100
 77 29.1 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 14.727 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079932.D
 Acq: 06 Nov 2023 18:57

Tgt Ion: 75 Resp: 91300
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 35.7 31.6 47.4

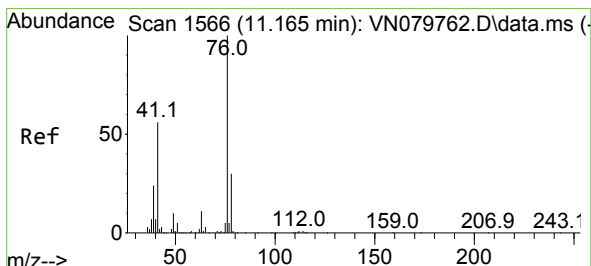
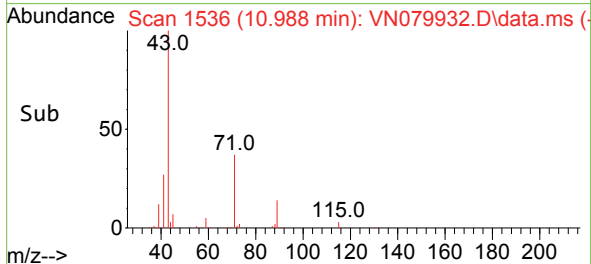
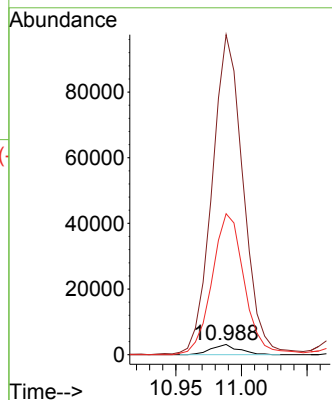
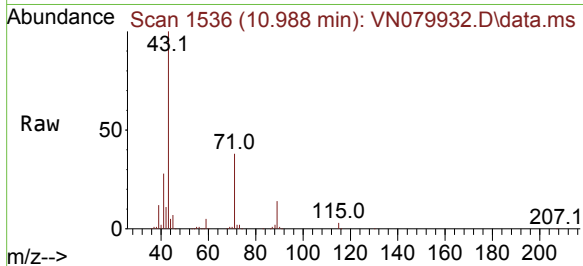




#56
Ethyl methacrylate
Concen: 0.855 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

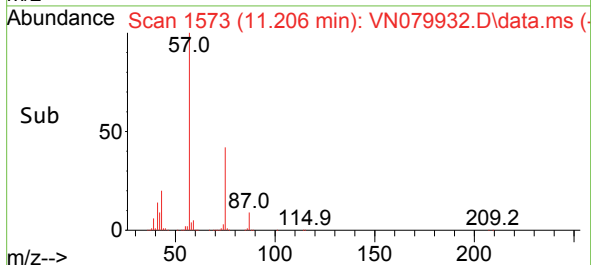
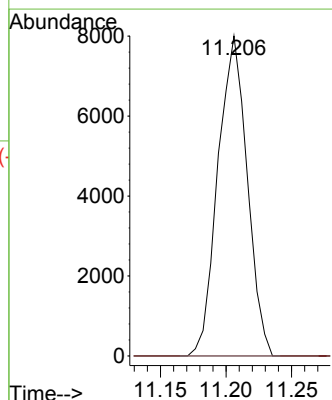
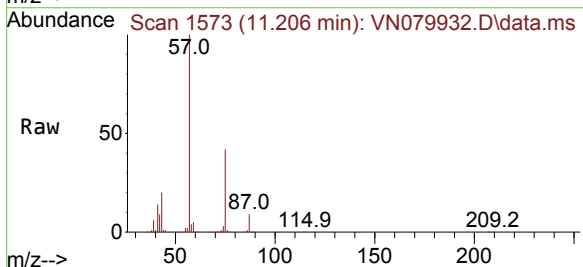
Instrument :
MSVOA_N
ClientSampleId :

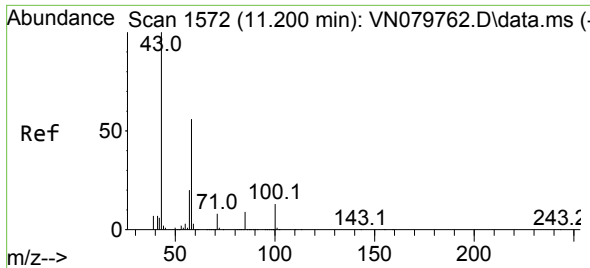
Tgt Ion: 69 Resp: 4535
Ion Ratio Lower Upper
69 100
41 3557.8 39.6 59.4#
39 1626.4 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.898 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Tgt Ion: 76 Resp: 12435
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

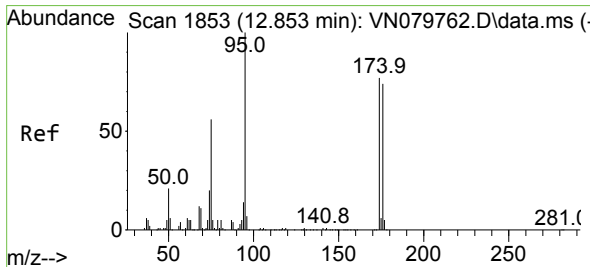
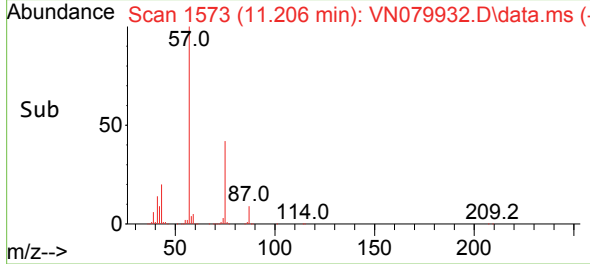
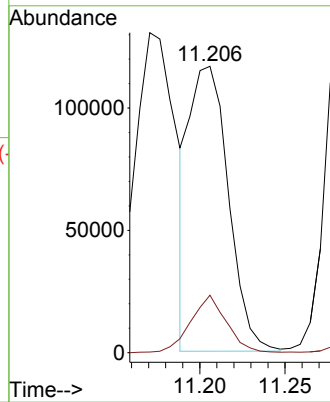
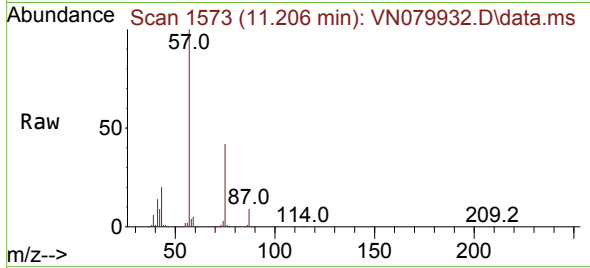




#59
2-Hexanone
Concen: 51.696 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

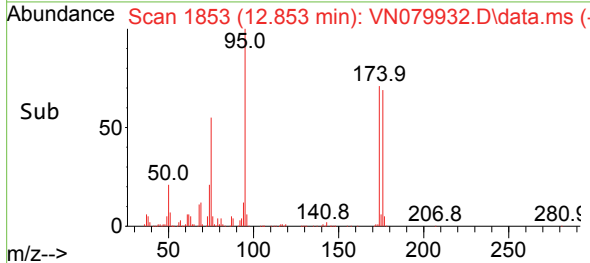
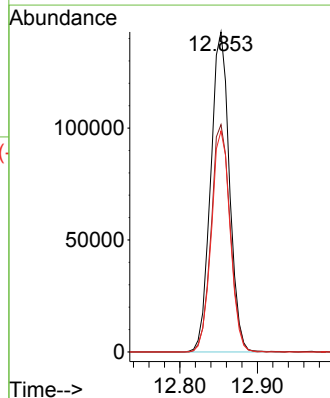
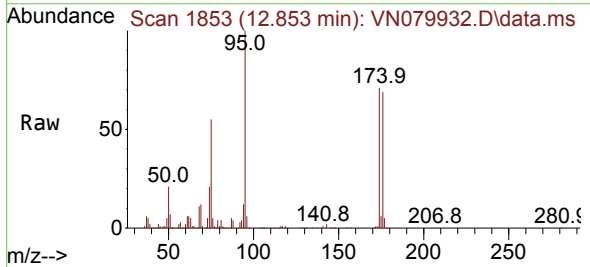
Instrument :
MSVOA_N
ClientSampleId :

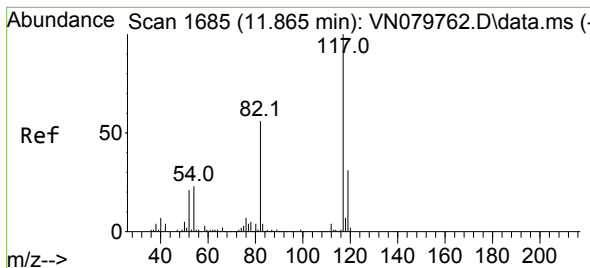
Tgt Ion: 43 Resp: 186395
Ion Ratio Lower Upper
43 100
58 18.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 53.960 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Tgt Ion: 95 Resp: 240167
Ion Ratio Lower Upper
95 100
174 72.3 0.0 143.8
176 69.2 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: VN079932.D

Acq: 06 Nov 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :

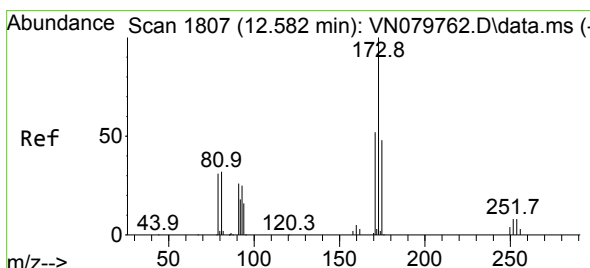
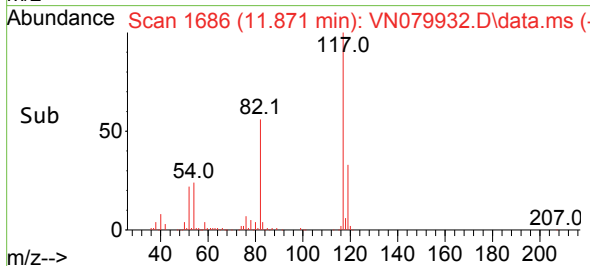
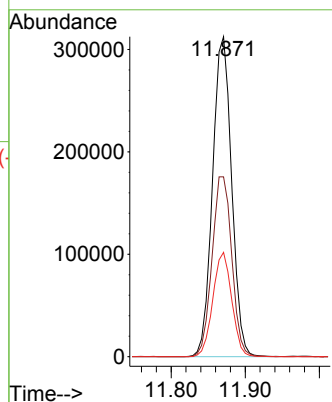
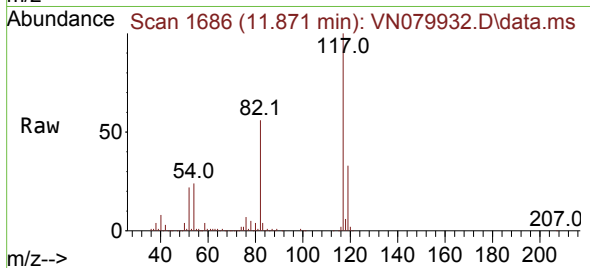
Tgt Ion:117 Resp: 558750

Ion Ratio Lower Upper

117 100

82 56.2 44.0 66.0

119 32.6 25.6 38.4



#71

Bromoform

Concen: 0.538 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

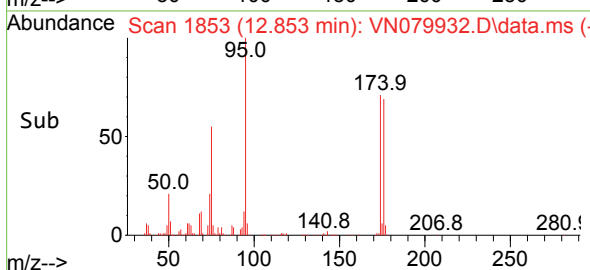
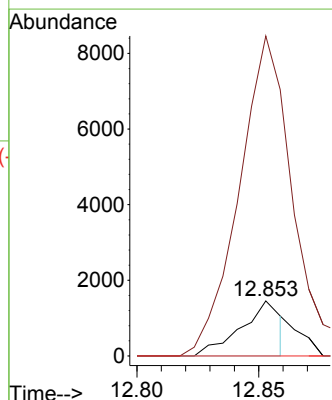
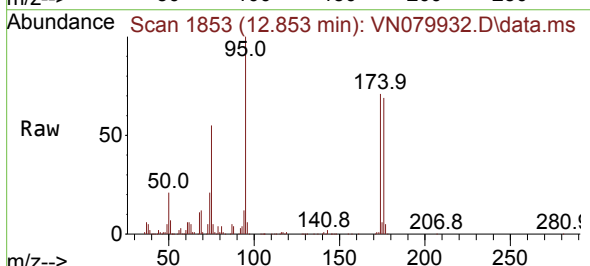
Tgt Ion:173 Resp: 1669

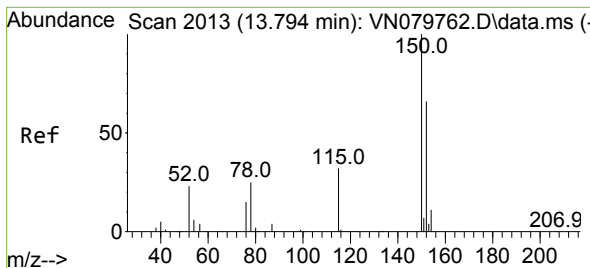
Ion Ratio Lower Upper

173 100

175 623.2 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

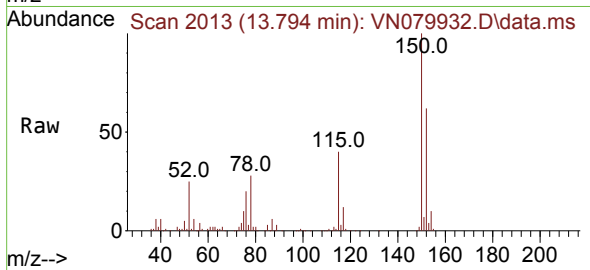
Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

Instrument :

MSVOA_N

ClientSampleId :



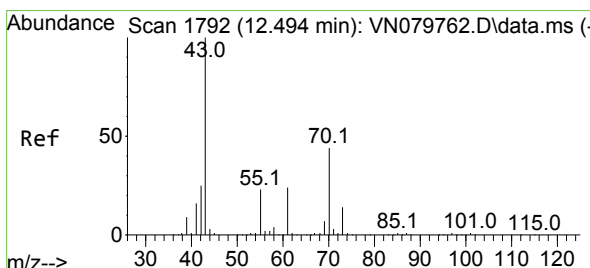
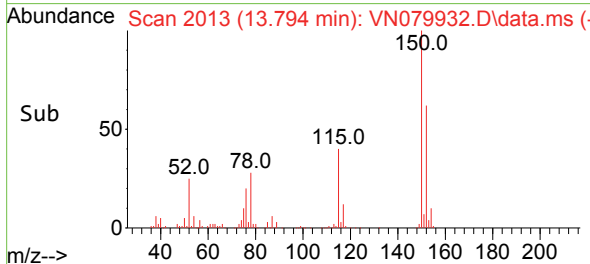
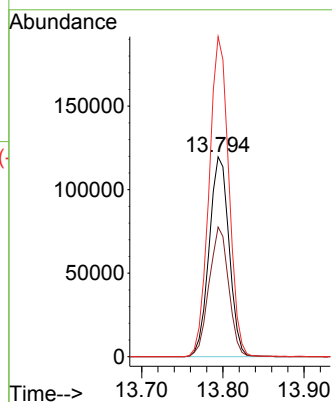
Tgt Ion:152 Resp: 204010

Ion Ratio Lower Upper

152 100

115 63.8 32.3 96.8

150 158.3 0.0 355.8



#74

N-ethyl acetate

Concen: 0.336 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN079932.D

Acq: 06 Nov 2023 18:57

Tgt Ion: 43 Resp: 2269

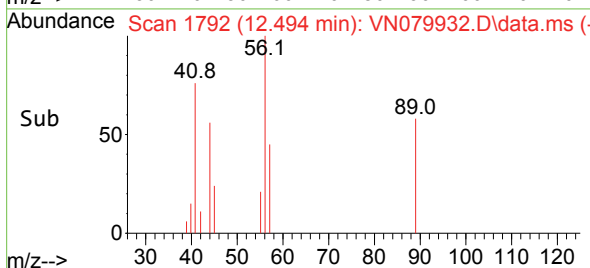
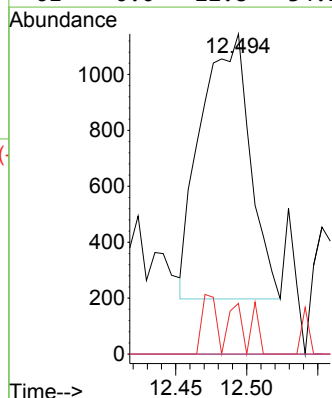
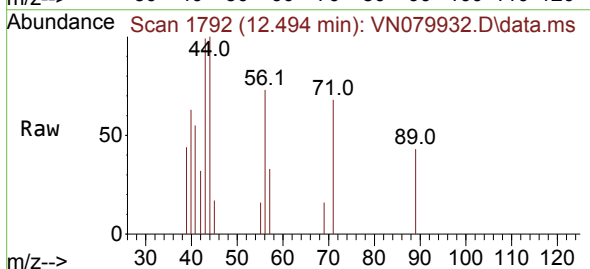
Ion Ratio Lower Upper

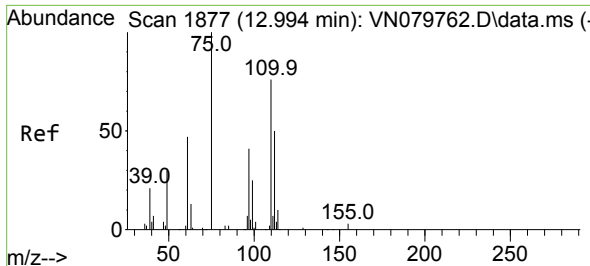
43 100

70 0.0 43.4 65.2#

55 8.1 21.4 32.0#

61 0.0 22.8 34.2#

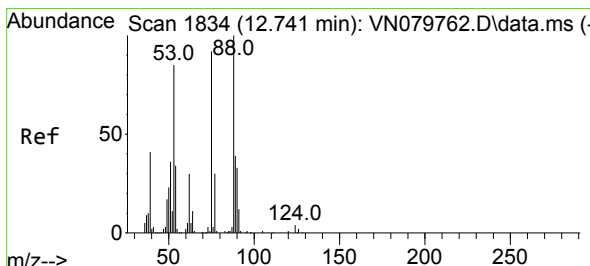
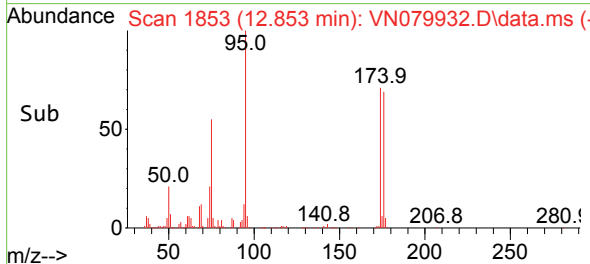
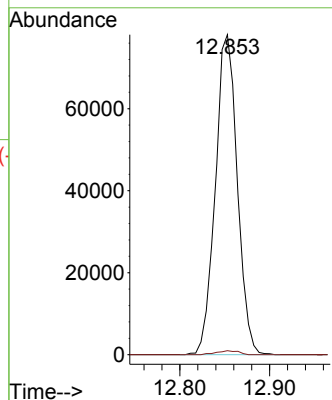
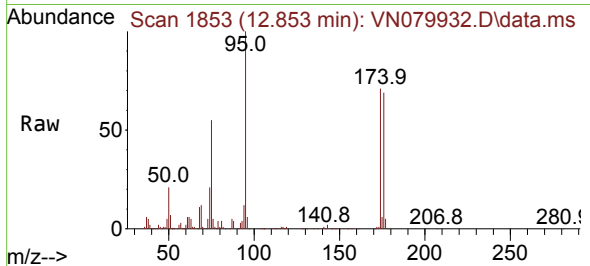




#76
1,2,3-Trichloropropane
Concen: 27.629 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 132332
Ion Ratio Lower Upper
75 100
77 1.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.173 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079932.D
Acq: 06 Nov 2023 18:57

Tgt Ion: 75 Resp: 132332
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

