

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079468.D
 Acq On : 09 Oct 2023 13:35
 Operator : JC\MD
 Sample : 04731-09RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:14:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

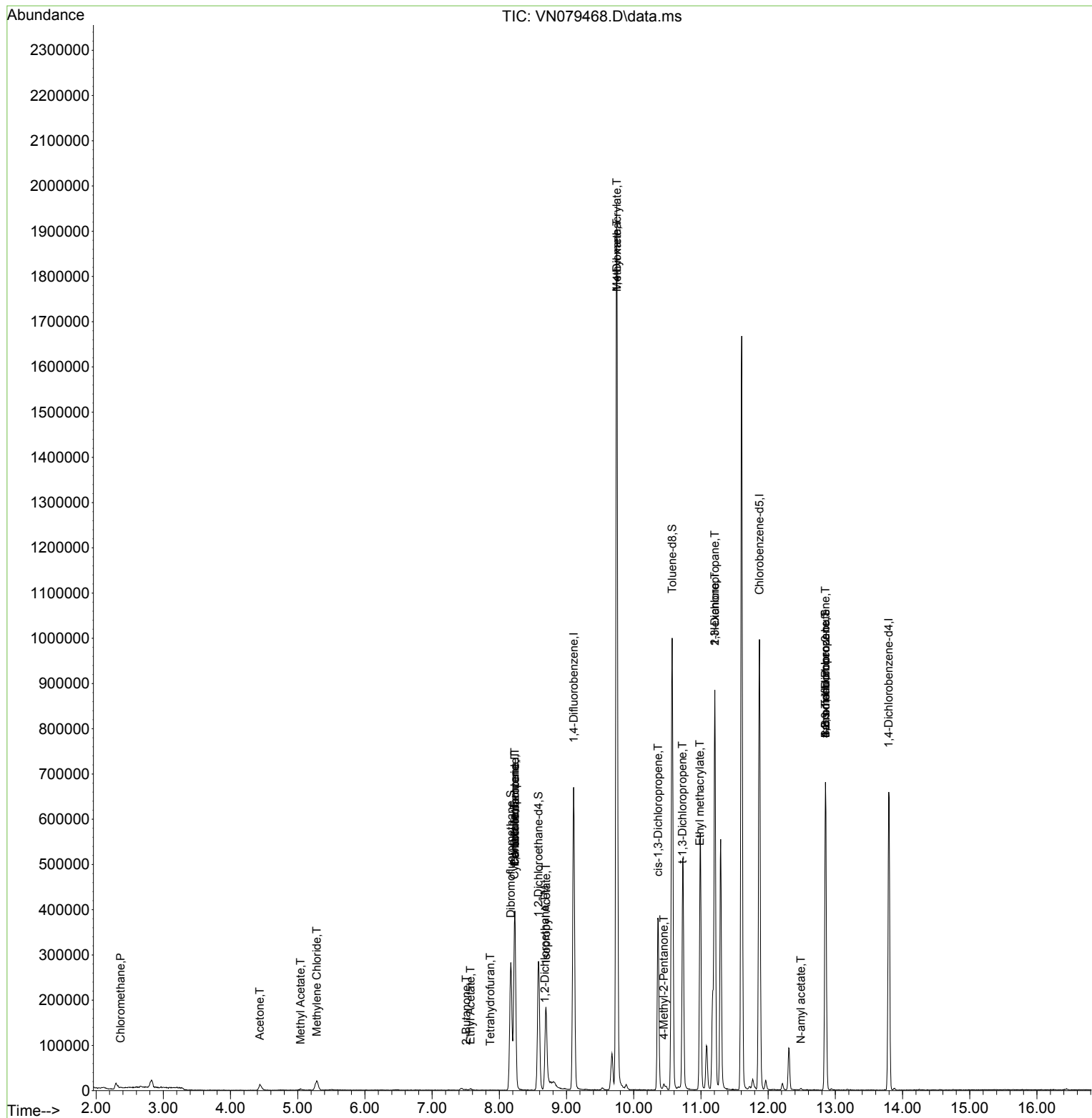
Internal Standards						
1) Pentafluorobenzene	8.230	168	269765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	547369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	557190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	170901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	228540	52.249	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.500%			
35) Dibromofluoromethane	8.171	113	200520	50.976	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.960%			
50) Toluene-d8	10.571	98	680861	47.837	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.680%			
62) 4-Bromofluorobenzene	12.853	95	226859	49.667	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.340%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1090	0.226	ug/l #	9
16) Acetone	4.436	43	23528	13.562	ug/l	99
18) Methyl Acetate	5.042	43	4249	0.500	ug/l #	60
20) Methylene Chloride	5.283	84	15884	3.622	ug/l #	81
25) 2-Butanone	7.506	43	2882	1.119	ug/l #	62
29) Tetrahydrofuran	7.865	42	398	0.239	ug/l #	20
31) Cyclohexane	8.224	56	7045	1.135	ug/l #	38
36) 1,1-Dichloropropene	8.230	75	25460	4.313	ug/l #	47
37) Ethyl Acetate	7.571	43	5431	0.925	ug/l #	80
38) Carbon Tetrachloride	8.230	117	30098	5.092	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	1478	0.232	ug/l #	73
43) Isopropyl Acetate	8.694	43	212138	20.612	ug/l #	78
48) Methyl methacrylate	9.747	41	181961	41.259	ug/l #	29
49) 1,4-Dioxane	9.747	88	56	0.689	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	9158	1.576	ug/l	87
53) t-1,3-Dichloropropene	10.724	75	1267	0.204	ug/l #	1
54) cis-1,3-Dichloropropene	10.365	75	64775	9.541	ug/l #	73
56) Ethyl methacrylate	10.982	69	2709	0.476	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8090	1.131	ug/l #	42
59) 2-Hexanone	11.206	43	108287	25.830	ug/l #	49
71) Bromoform	12.853	173	1810	0.544	ug/l #	1
74) N-amyl acetate	12.488	43	2200	0.338	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.847	83	59	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	126675	25.708	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	126675	74.592	ug/l #	15

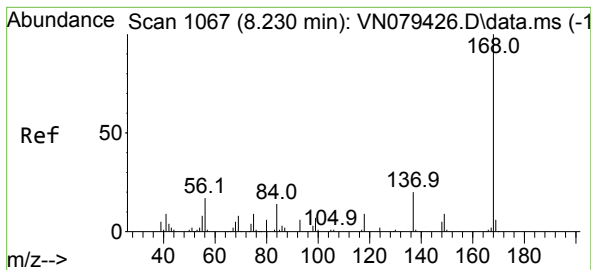
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079468.D

Acq: 09 Oct 2023 13:35

Instrument :

MSVOA_N

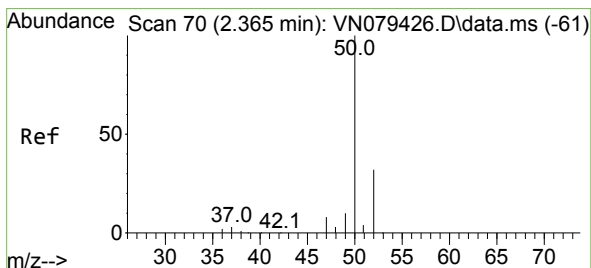
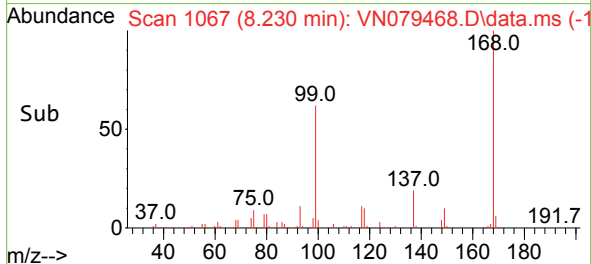
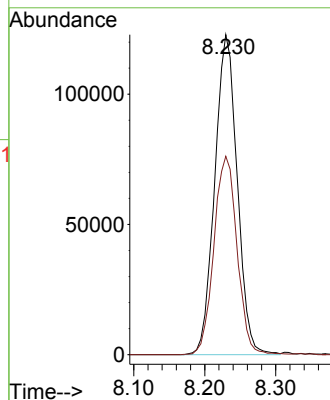
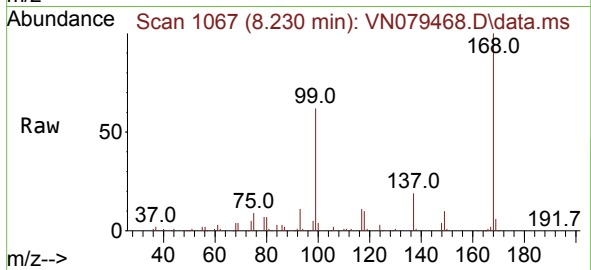
ClientSampleId :

Tgt Ion:168 Resp: 269765

Ion Ratio Lower Upper

168 100

99 62.0 53.0 79.6



#3

Chloromethane

Concen: 0.226 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079468.D

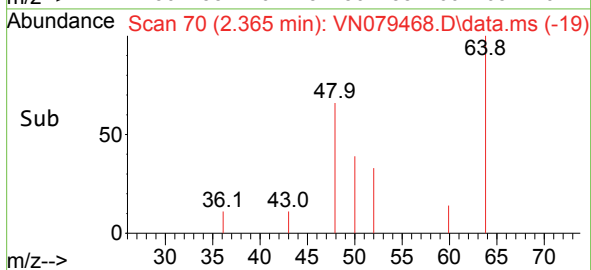
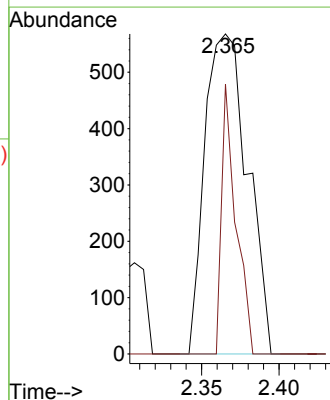
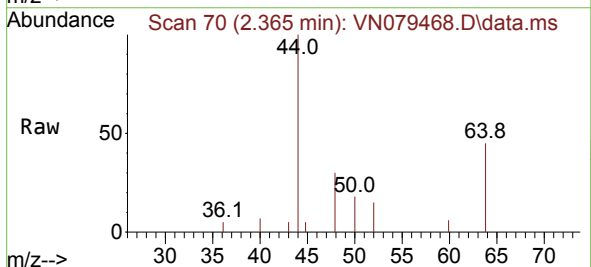
Acq: 09 Oct 2023 13:35

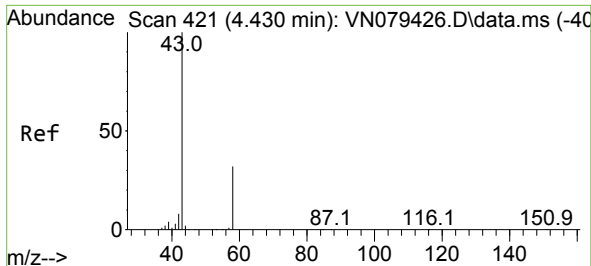
Tgt Ion: 50 Resp: 1090

Ion Ratio Lower Upper

50 100

52 84.3 26.5 39.7#

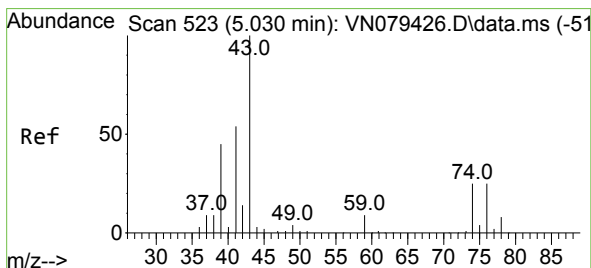
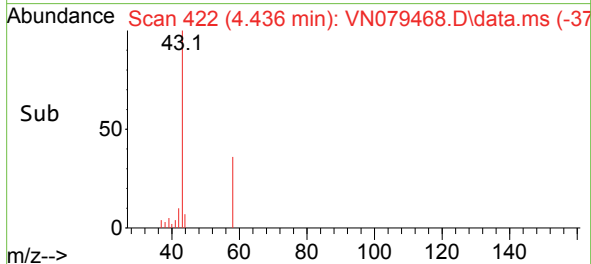
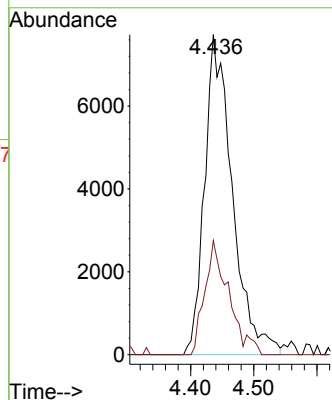
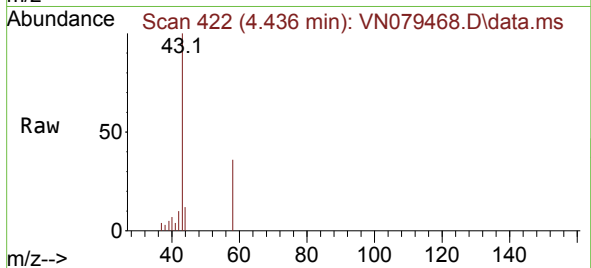




#16
Acetone
Concen: 13.562 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

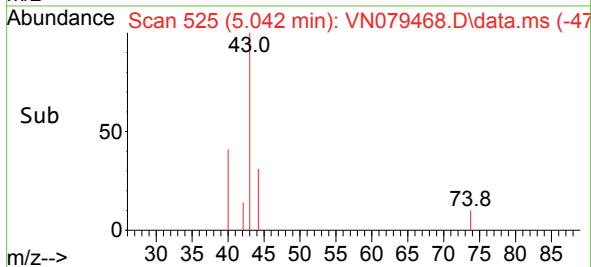
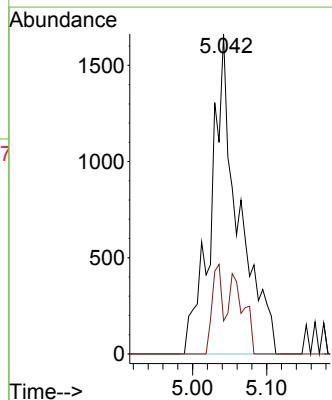
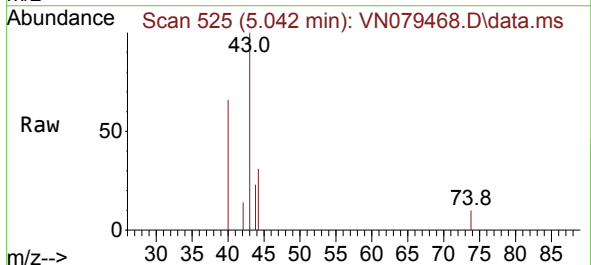
Instrument :
MSVOA_N
ClientSampleId :

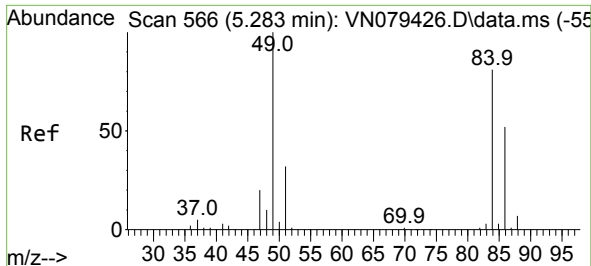
Tgt Ion: 43 Resp: 23528
Ion Ratio Lower Upper
43 100
58 35.6 28.0 42.0



#18
Methyl Acetate
Concen: 0.500 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

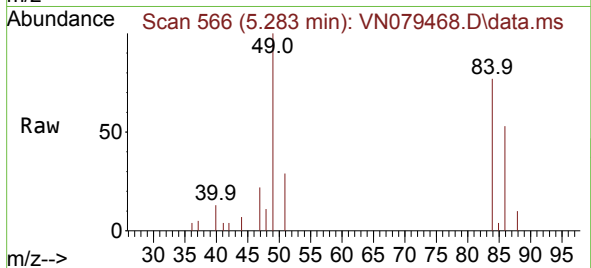
Tgt Ion: 43 Resp: 4249
Ion Ratio Lower Upper
43 100
74 10.3 26.2 39.4#





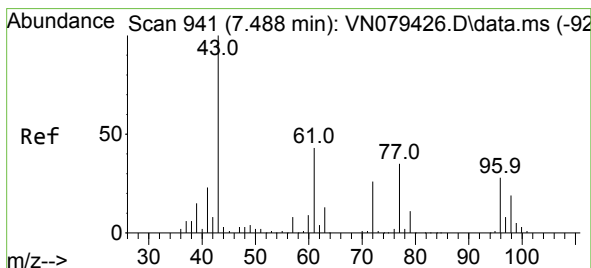
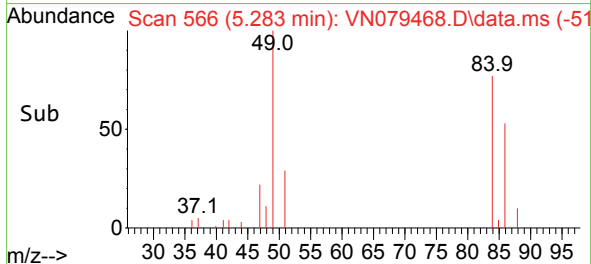
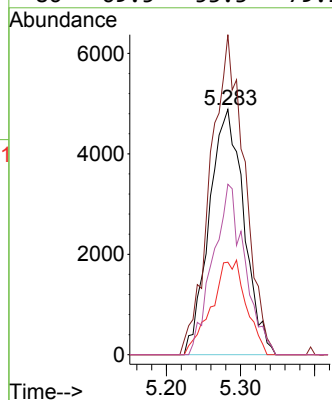
#20
Methylene Chloride
Concen: 3.622 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 15884

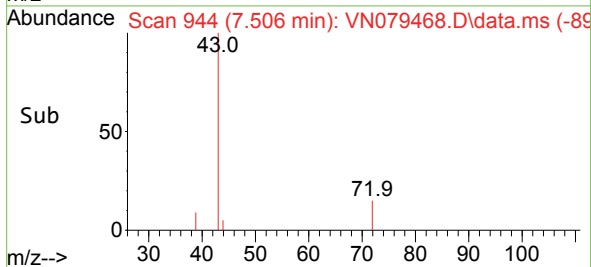
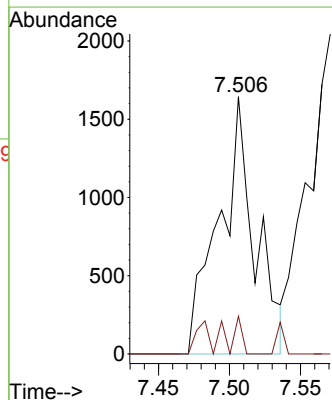
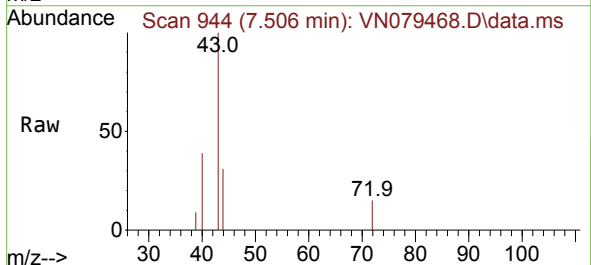
Ion	Ratio	Lower	Upper
84	100		
49	130.5	79.7	119.5#
51	37.7	25.2	37.8
86	69.5	53.3	79.9

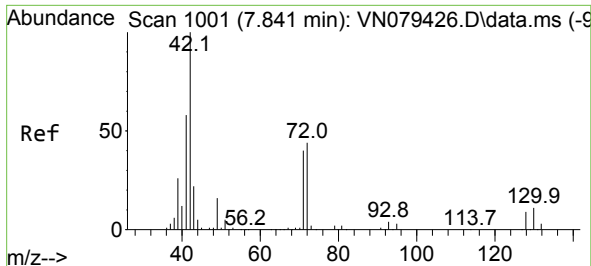


#25
2-Butanone
Concen: 1.119 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

Tgt Ion: 43 Resp: 2882

Ion	Ratio	Lower	Upper
43	100		
72	14.7	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.024 min

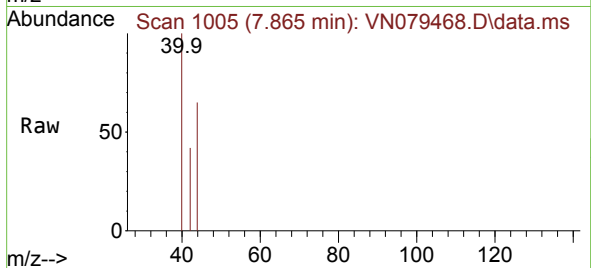
Lab File: VN079468.D

Acq: 09 Oct 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :



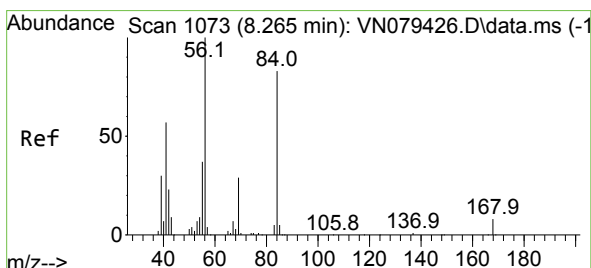
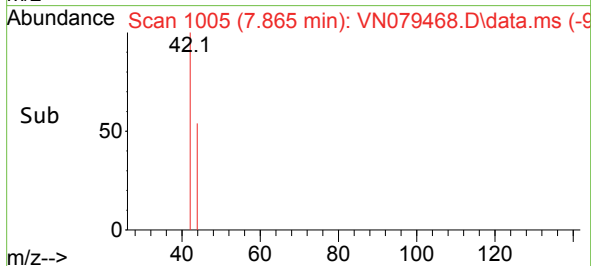
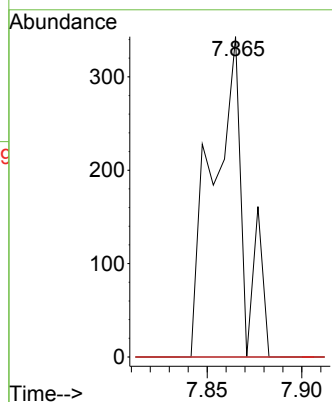
Tgt Ion: 42 Resp: 398

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.135 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

Lab File: VN079468.D

Acq: 09 Oct 2023 13:35

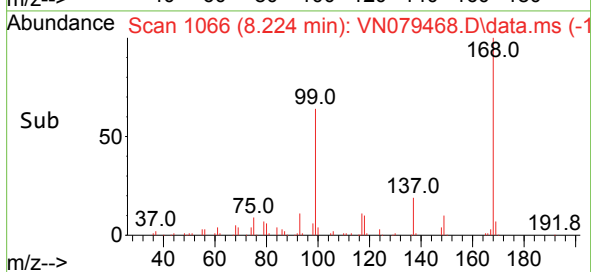
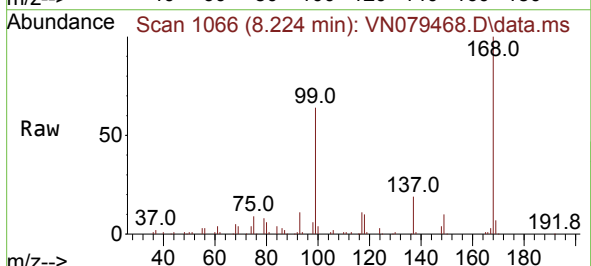
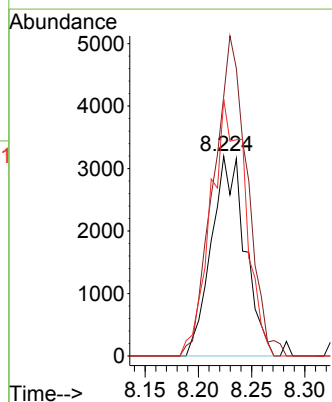
Tgt Ion: 56 Resp: 7045

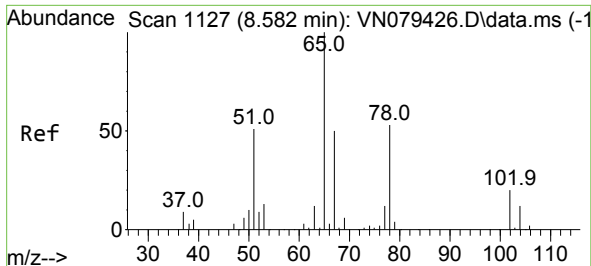
Ion Ratio Lower Upper

56 100

69 130.1 26.8 40.2#

84 128.6 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.249 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079468.D

Acq: 09 Oct 2023 13:35

Instrument :

MSVOA_N

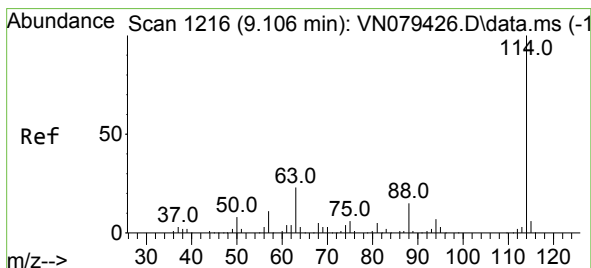
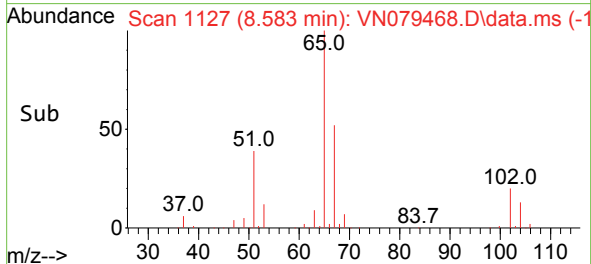
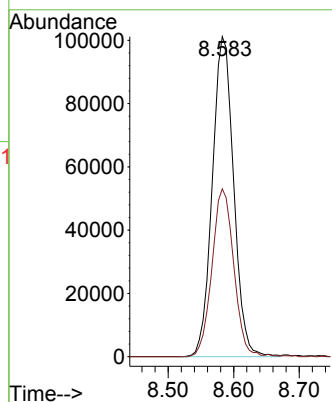
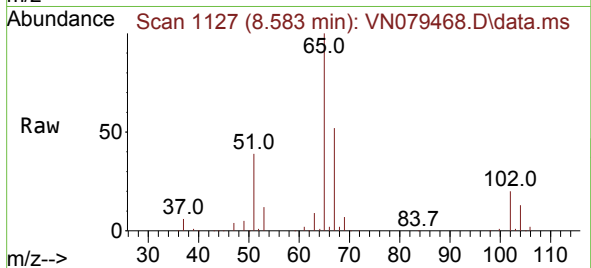
ClientSampleId :

Tgt Ion: 65 Resp: 228540

Ion Ratio Lower Upper

65 100

67 53.6 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: VN079468.D

Acq: 09 Oct 2023 13:35

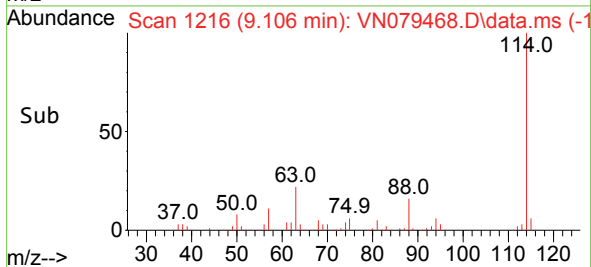
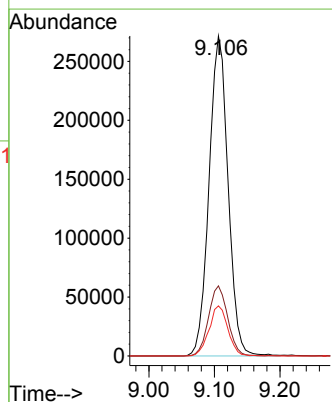
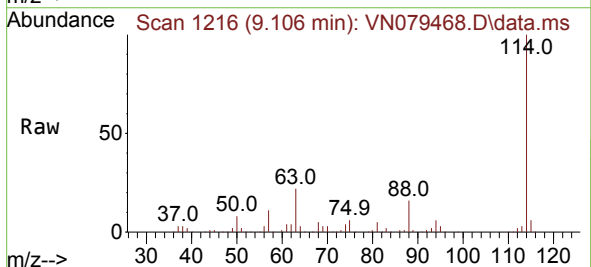
Tgt Ion: 114 Resp: 547369

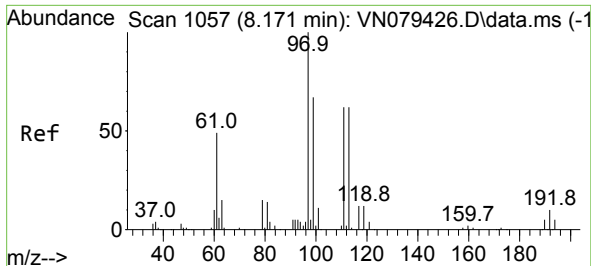
Ion Ratio Lower Upper

114 100

63 21.9 0.0 36.4

88 15.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.976 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

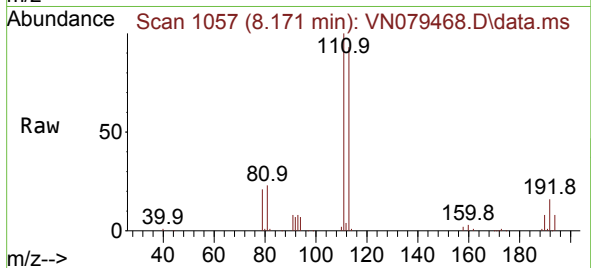
Lab File: VN079468.D

Acq: 09 Oct 2023 13:35

Instrument :

MSVOA_N

ClientSampleId :



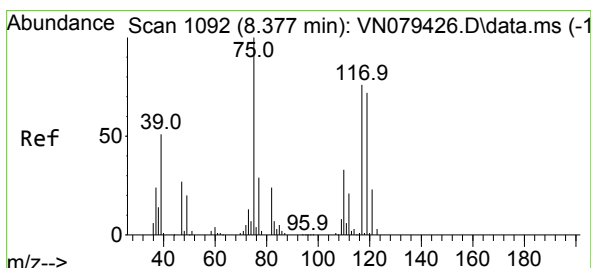
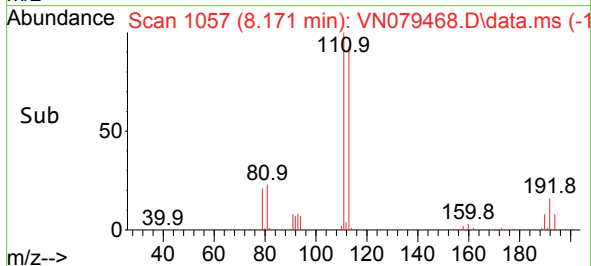
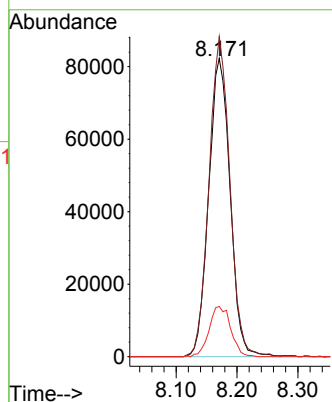
Tgt Ion:113 Resp: 200520

Ion Ratio Lower Upper

113 100

111 104.9 82.6 123.8

192 17.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.313 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079468.D

Acq: 09 Oct 2023 13:35

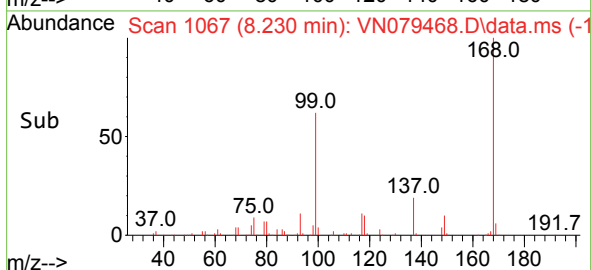
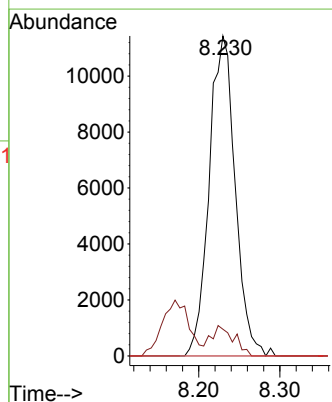
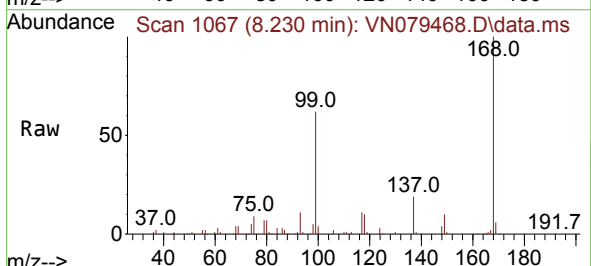
Tgt Ion: 75 Resp: 25460

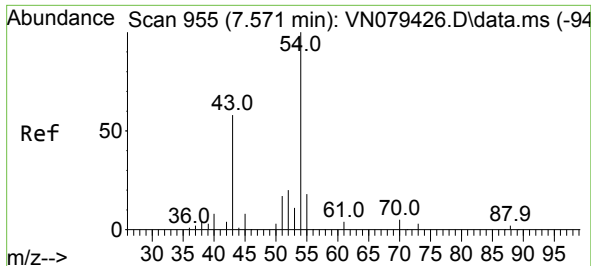
Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#

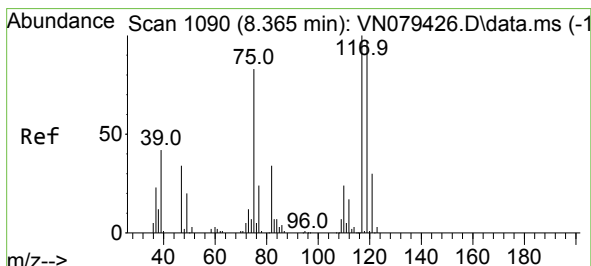
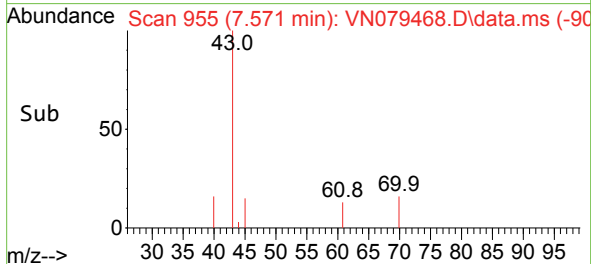
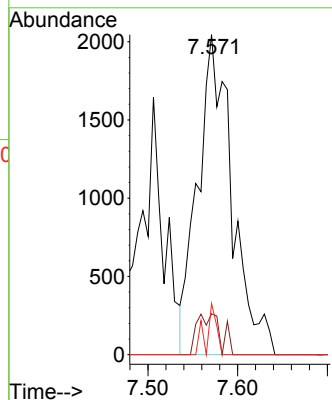
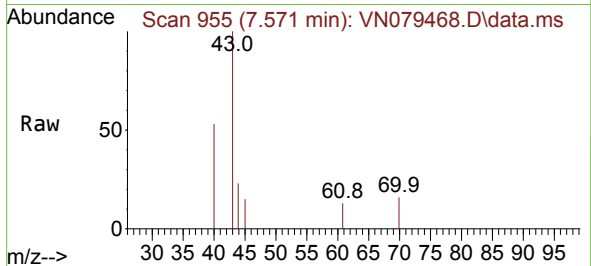




#37
Ethyl Acetate
Concen: 0.925 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

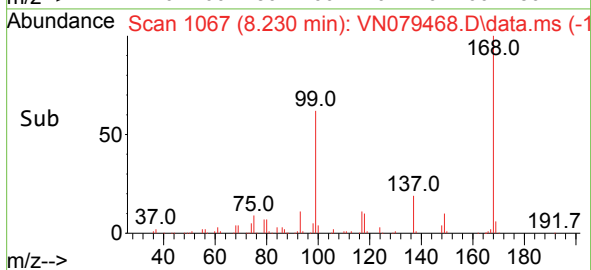
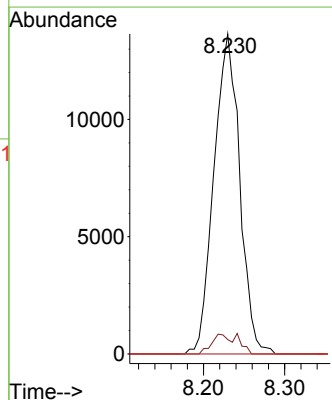
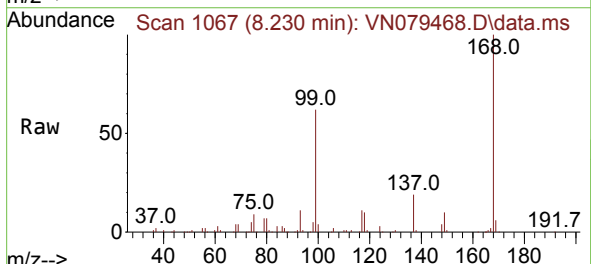
Instrument :
MSVOA_N
ClientSampleId :

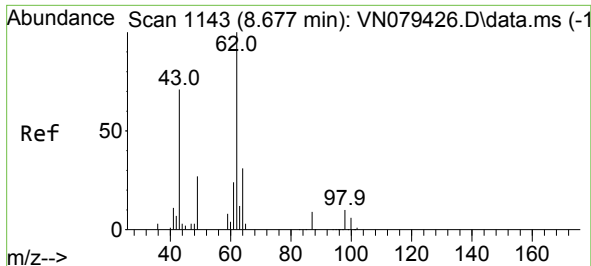
Tgt Ion: 43 Resp: 5431
Ion Ratio Lower Upper
43 100
61 8.9 13.2 19.8#
70 4.7 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.092 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

Tgt Ion: 117 Resp: 30098
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.232 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VN079468.D

Acq: 09 Oct 2023 13:35

Instrument :

MSVOA_N

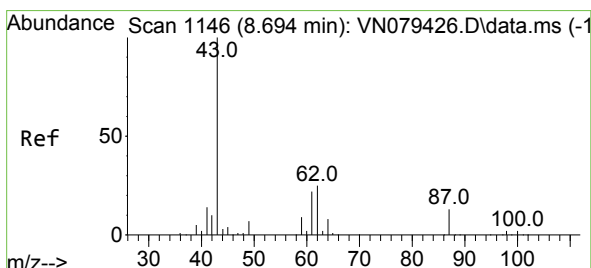
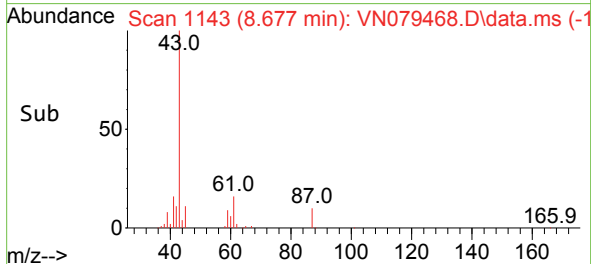
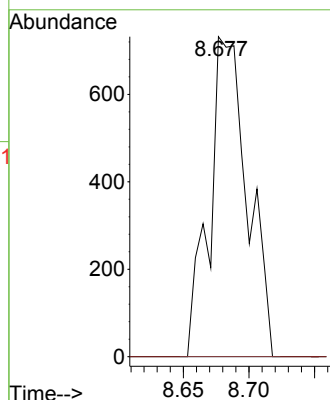
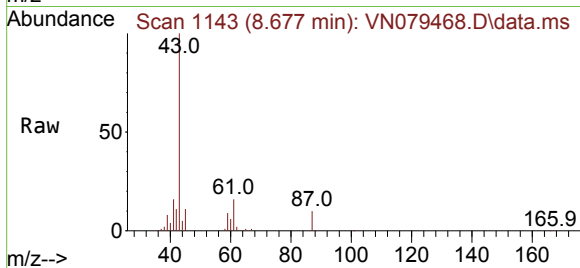
ClientSampleId :

Tgt Ion: 62 Resp: 1478

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 20.612 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079468.D

Acq: 09 Oct 2023 13:35

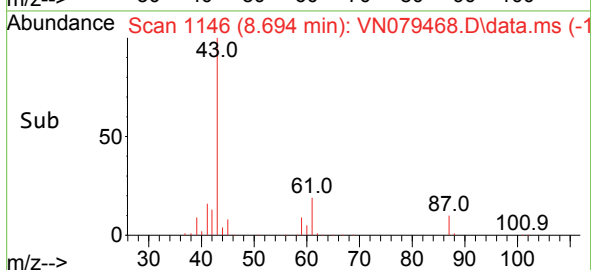
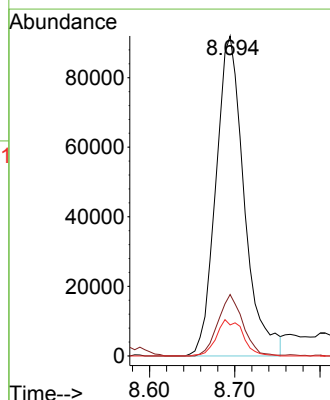
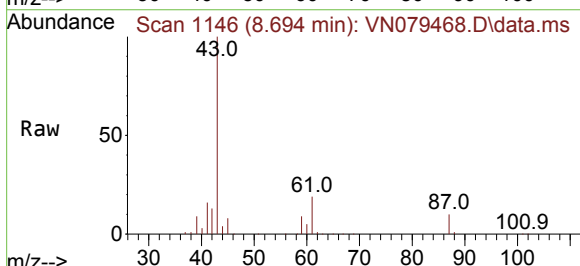
Tgt Ion: 43 Resp: 212138

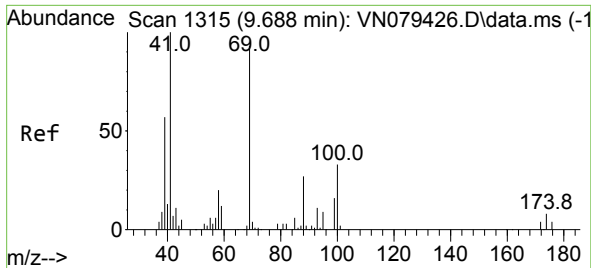
Ion Ratio Lower Upper

43 100

61 16.9 24.7 37.1#

87 10.6 14.6 21.8#

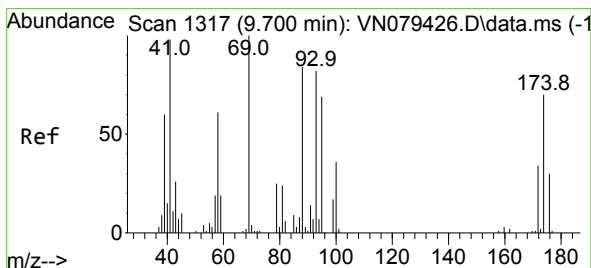
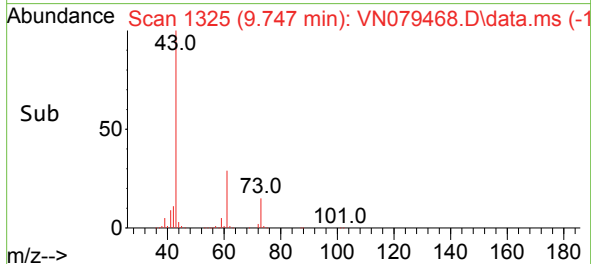
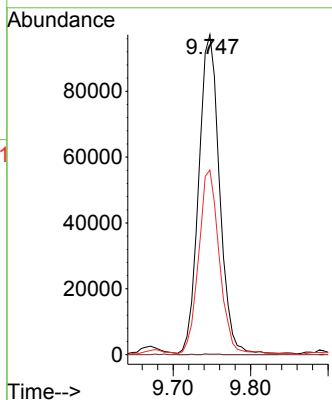
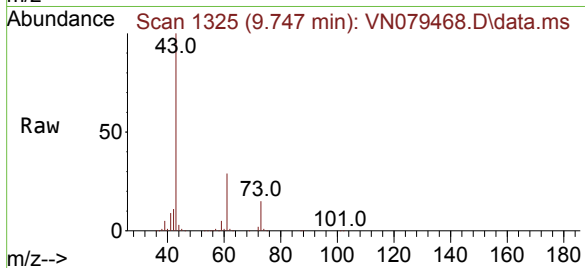




#48
Methyl methacrylate
Concen: 41.259 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

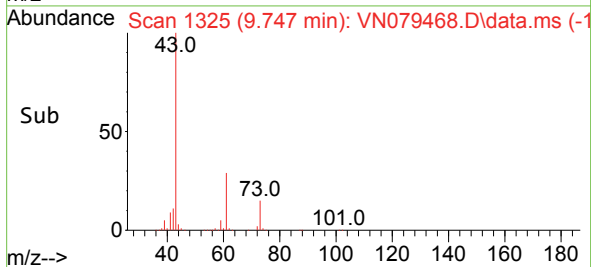
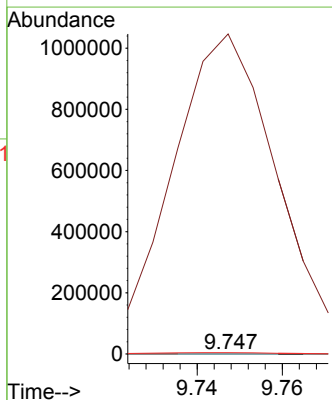
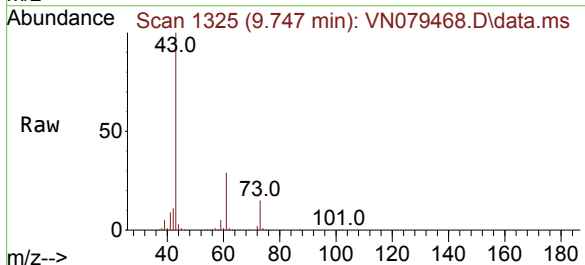
Instrument :
MSVOA_N
ClientSampleId :

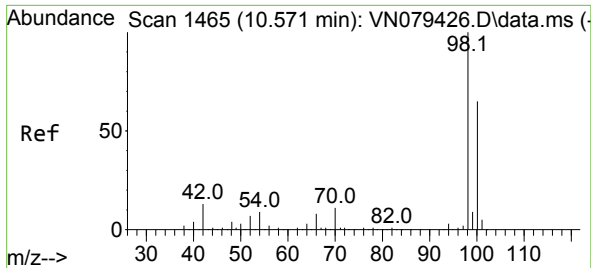
Tgt Ion: 41 Resp: 181961
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 56.7 54.6 81.8



#49
1,4-Dioxane
Concen: 0.689 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 3320521.4 17.0 25.6#
58 16191.1 47.0 70.4#

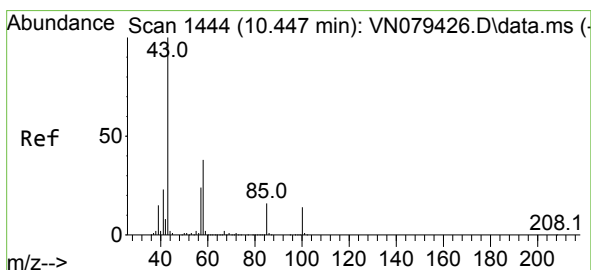
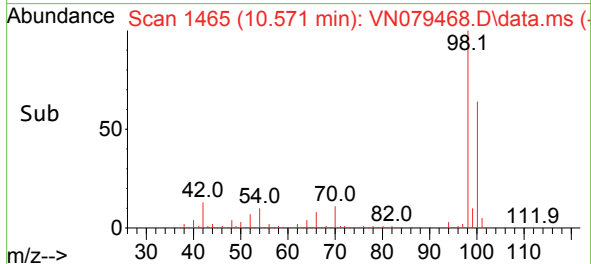
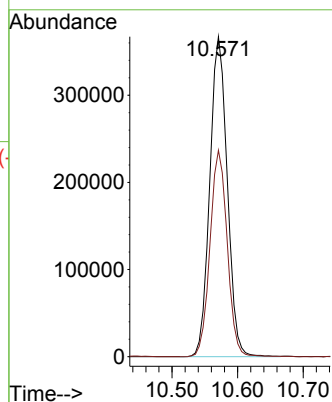
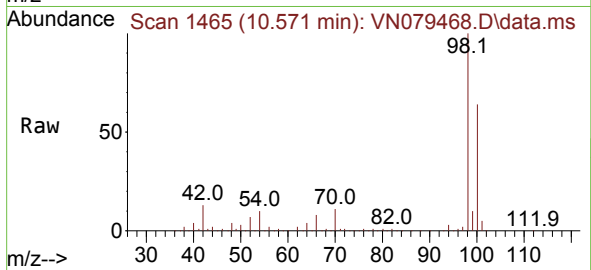




#50
Toluene-d8
Concen: 47.837 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

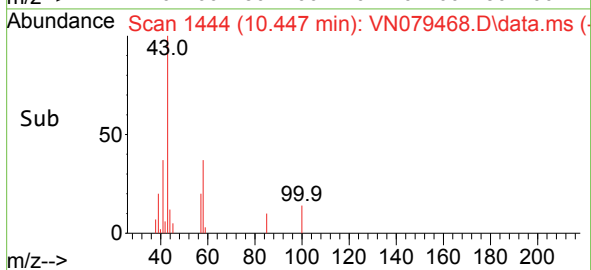
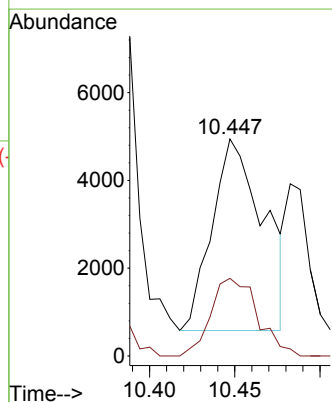
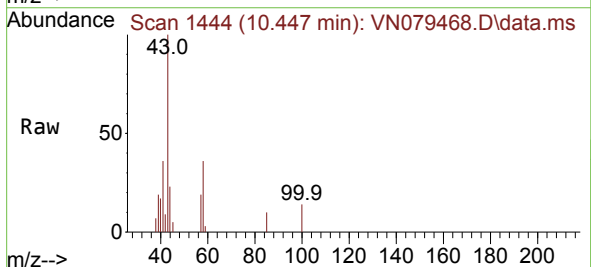
Instrument :
MSVOA_N
ClientSampleId :

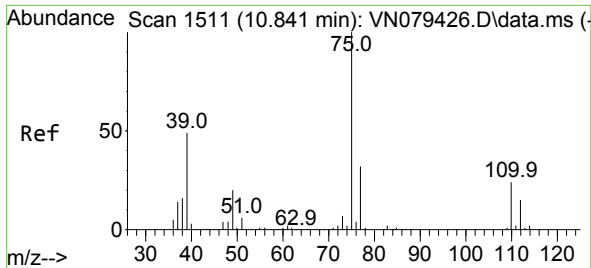
Tgt Ion: 98 Resp: 680861
Ion Ratio Lower Upper
98 100
100 63.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.576 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

Tgt Ion: 43 Resp: 9158
Ion Ratio Lower Upper
43 100
58 36.8 36.6 54.8

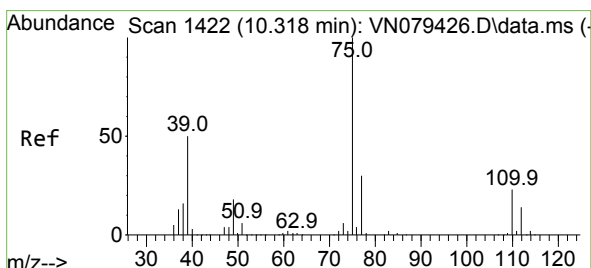
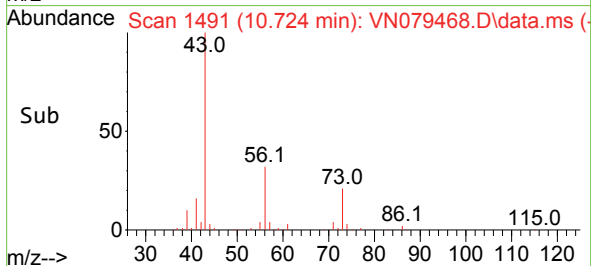
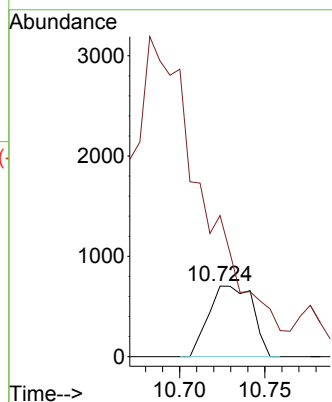
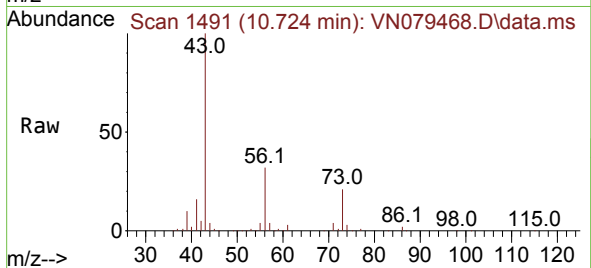




#53
 t-1,3-Dichloropropene
 Concen: 0.204 ug/l
 RT: 10.724 min Scan# 14
 Delta R.T. -0.118 min
 Lab File: VN079468.D
 Acq: 09 Oct 2023 13:35

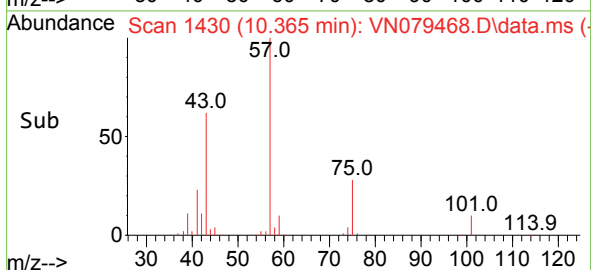
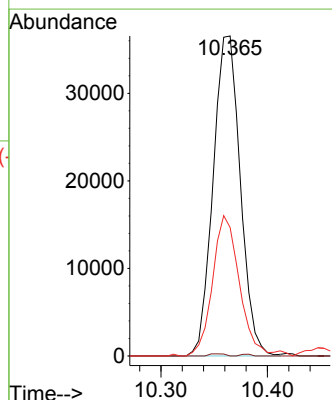
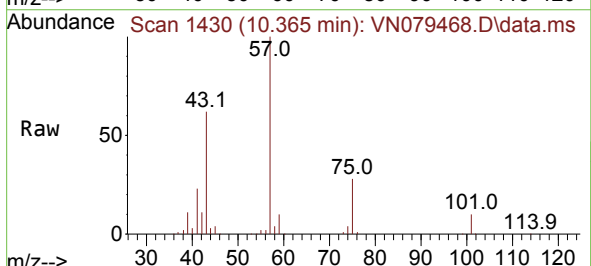
Instrument :
 MSVOA_N
 ClientSampleId :

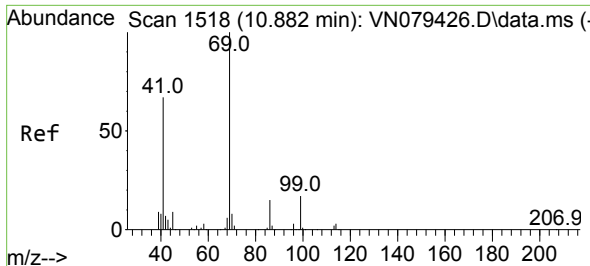
Tgt Ion: 75 Resp: 1267
 Ion Ratio Lower Upper
 75 100
 77 162.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 9.541 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079468.D
 Acq: 09 Oct 2023 13:35

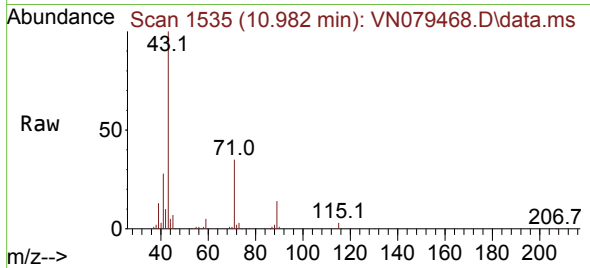
Tgt Ion: 75 Resp: 64775
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 40.1 31.6 47.4



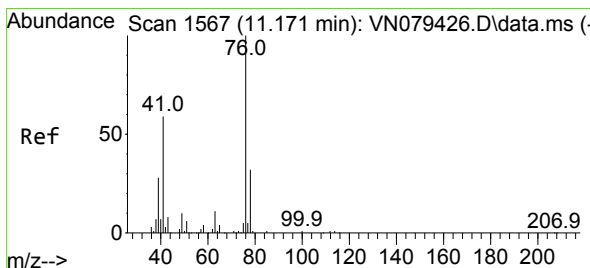
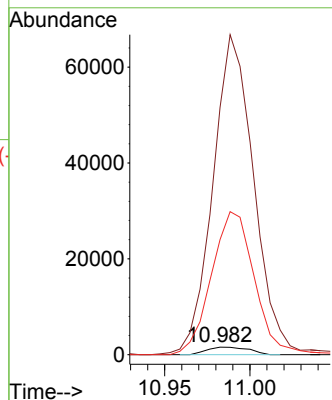
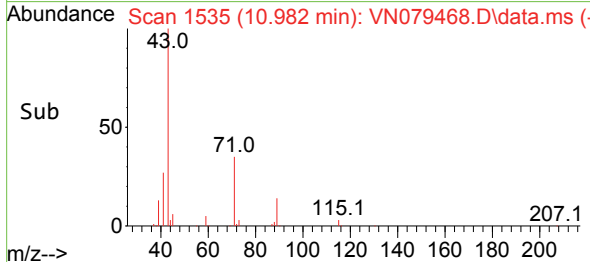


#56
Ethyl methacrylate
Concen: 0.476 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.100 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

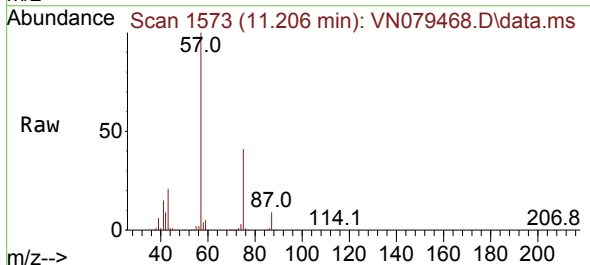
Instrument :
MSVOA_N
ClientSampleId :



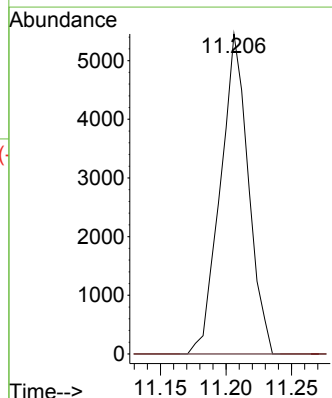
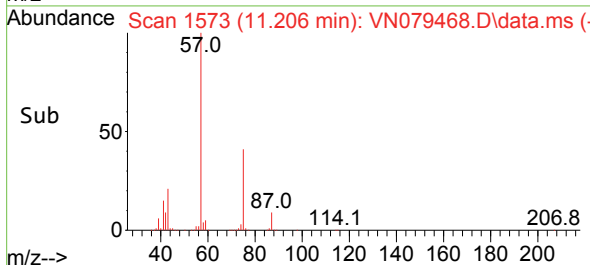
Tgt Ion: 69 Resp: 2709
Ion Ratio Lower Upper
69 100
41 4151.1 39.6 59.4#
39 1939.6 28.6 43.0#

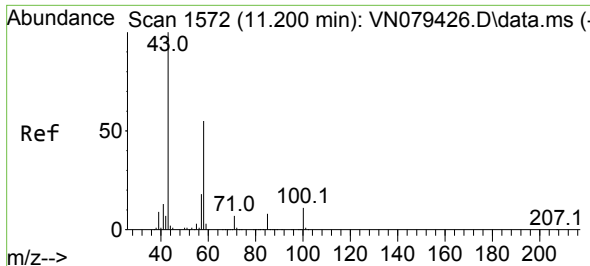


#57
1,3-Dichloropropane
Concen: 1.131 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35



Tgt Ion: 76 Resp: 8090
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

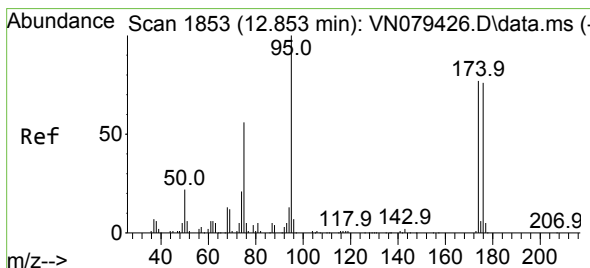
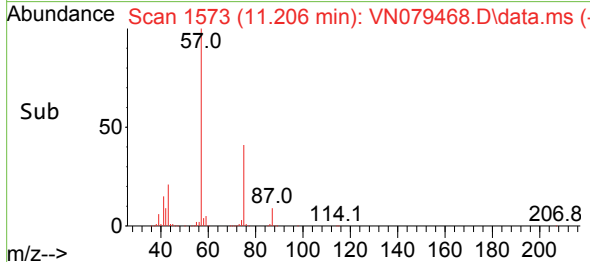
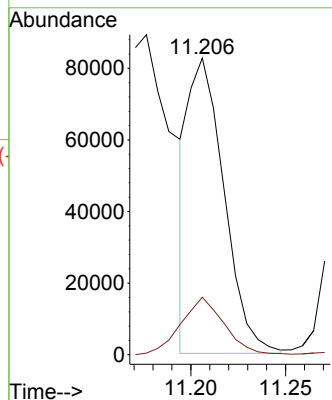
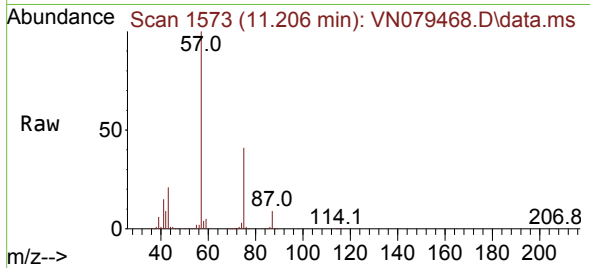




#59
2-Hexanone
Concen: 25.830 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

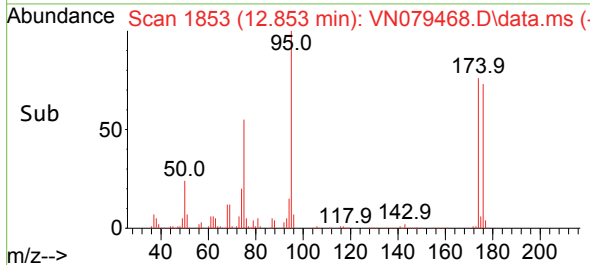
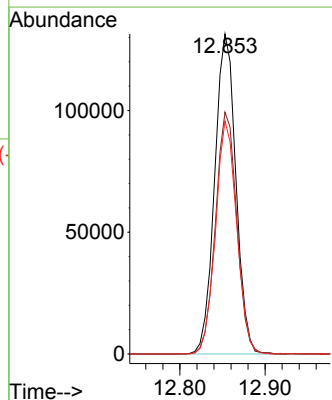
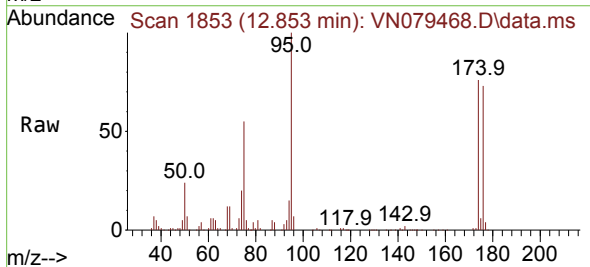
Instrument :
MSVOA_N
ClientSampleId :

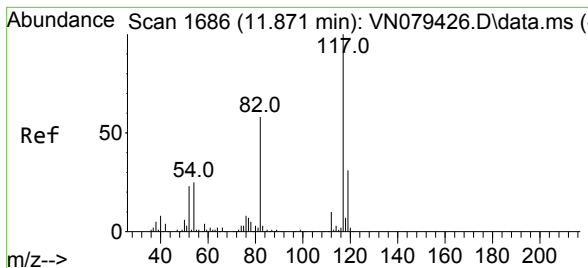
Tgt Ion: 43 Resp: 108287
Ion Ratio Lower Upper
43 100
58 23.6 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.667 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

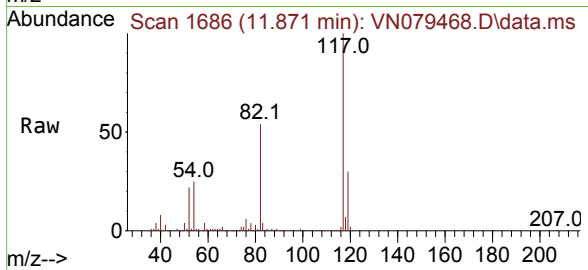
Tgt Ion: 95 Resp: 226859
Ion Ratio Lower Upper
95 100
174 75.9 0.0 143.8
176 72.6 0.0 135.8



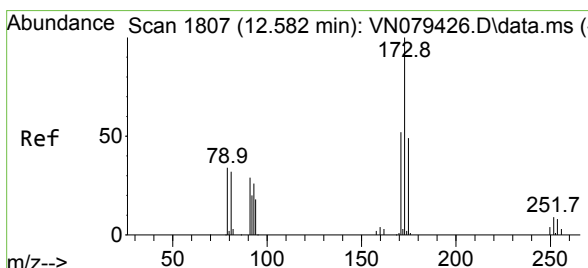
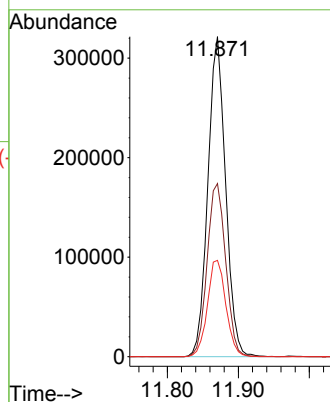
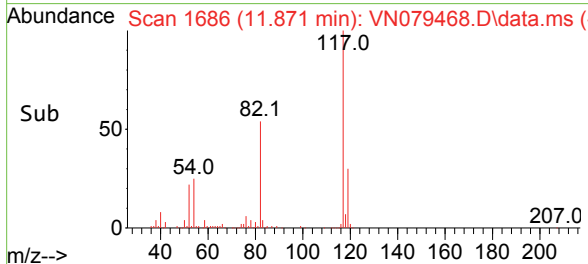


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

Instrument :
MSVOA_N
ClientSampleId :

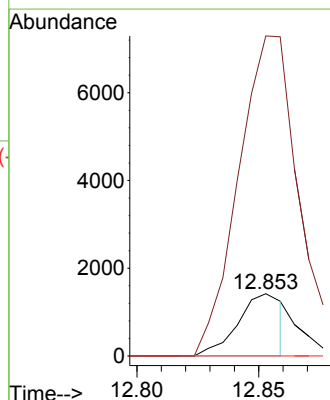
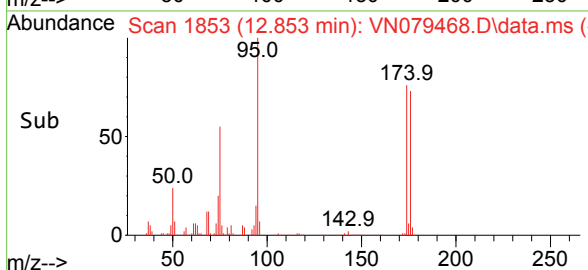
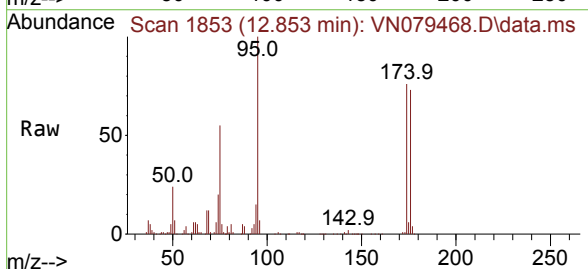


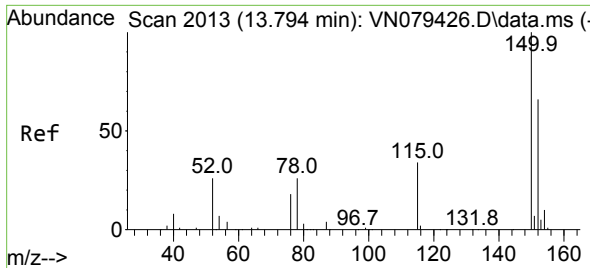
Tgt Ion:117 Resp: 557190
Ion Ratio Lower Upper
117 100
82 54.1 44.0 66.0
119 30.1 25.6 38.4



#71
Bromoform
Concen: 0.544 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

Tgt Ion:173 Resp: 1810
Ion Ratio Lower Upper
173 100
175 528.3 24.3 73.0#
254 0.0 0.0 0.0

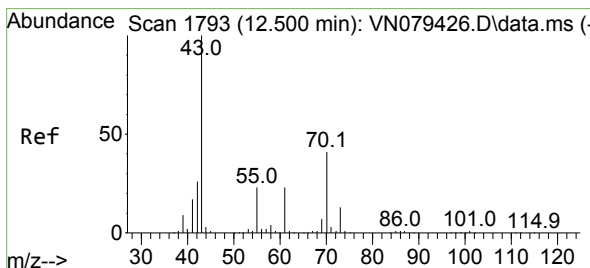
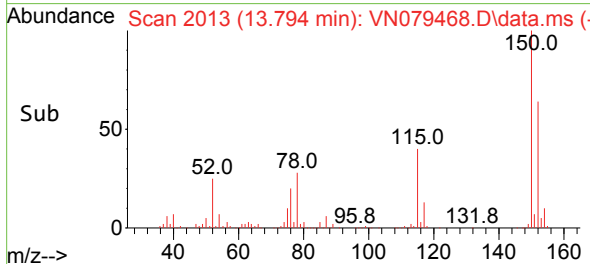
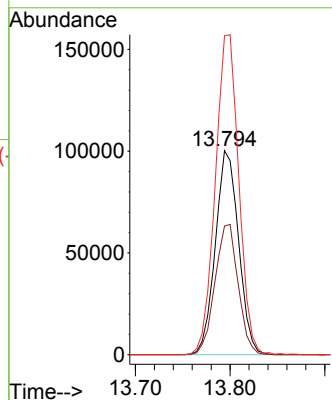
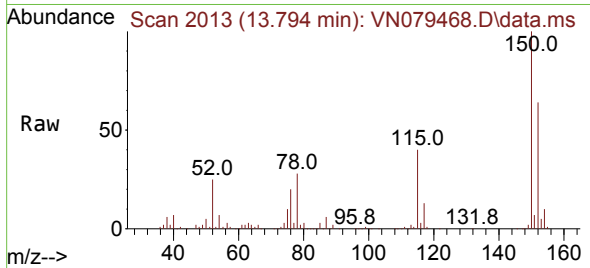




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

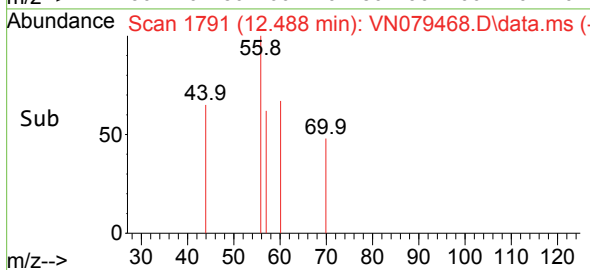
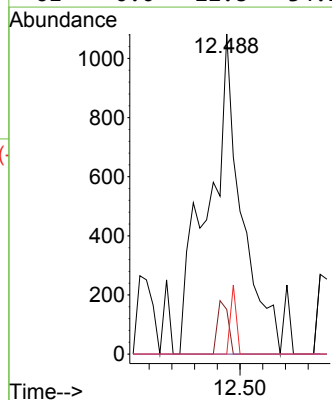
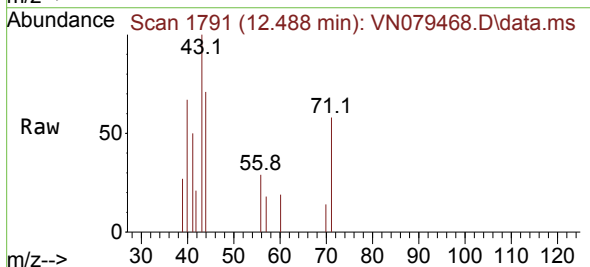
Instrument :
MSVOA_N
ClientSampleId :

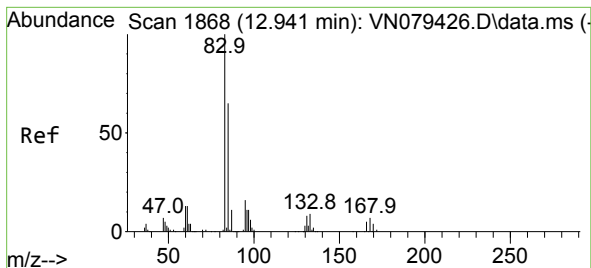
Tgt Ion:152 Resp: 170901
Ion Ratio Lower Upper
152 100
115 63.8 32.3 96.8
150 158.8 0.0 355.8



#74
N-ethyl acetate
Concen: 0.338 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

Tgt Ion: 43 Resp: 2200
Ion Ratio Lower Upper
43 100
70 5.3 43.4 65.2#
55 3.8 21.4 32.0#
61 0.0 22.8 34.2#

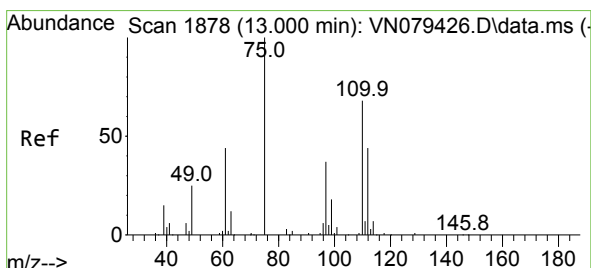
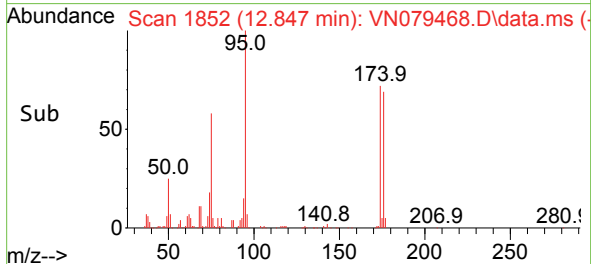
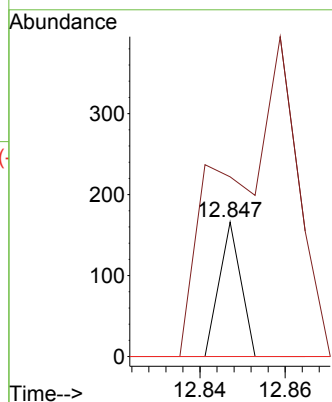
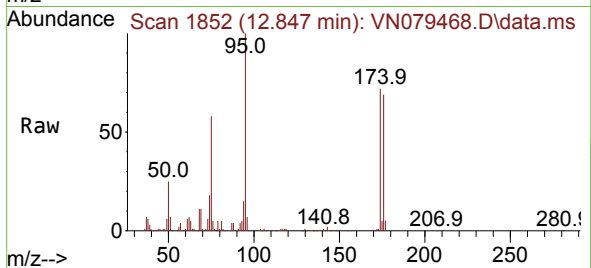




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.847 min Scan# 1852
Delta R.T. -0.094 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

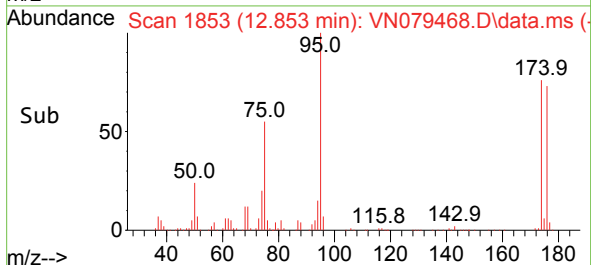
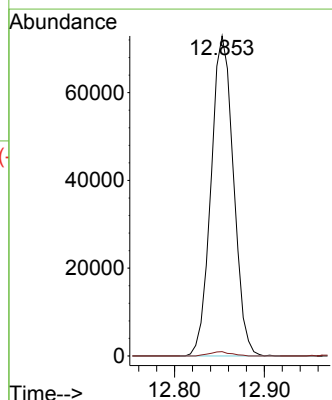
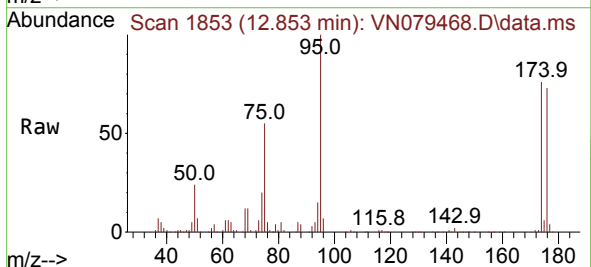
Instrument : MSVOA_N
ClientSampleId :

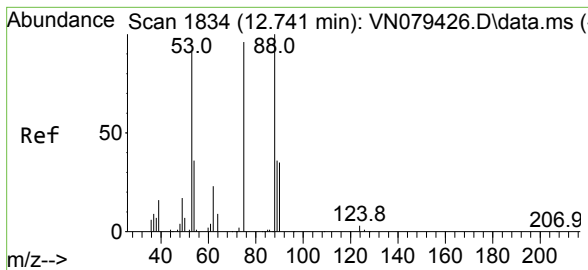
Tgt Ion: 83 Resp: 59
Ion Ratio Lower Upper
83 100
131 722.0 5.0 15.0#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 25.708 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079468.D
Acq: 09 Oct 2023 13:35

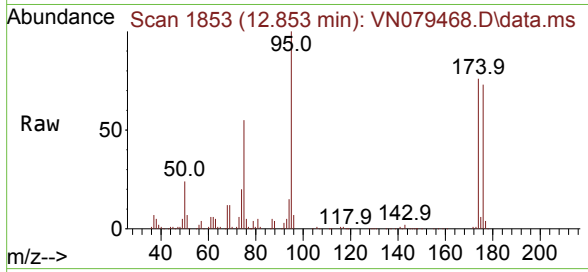
Tgt Ion: 75 Resp: 126675
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.592 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079468.D
 Acq: 09 Oct 2023 13:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 126675
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

