

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079549.D
 Acq On : 12 Oct 2023 16:47
 Operator : JC\MD
 Sample : 04858-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:22:00 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)

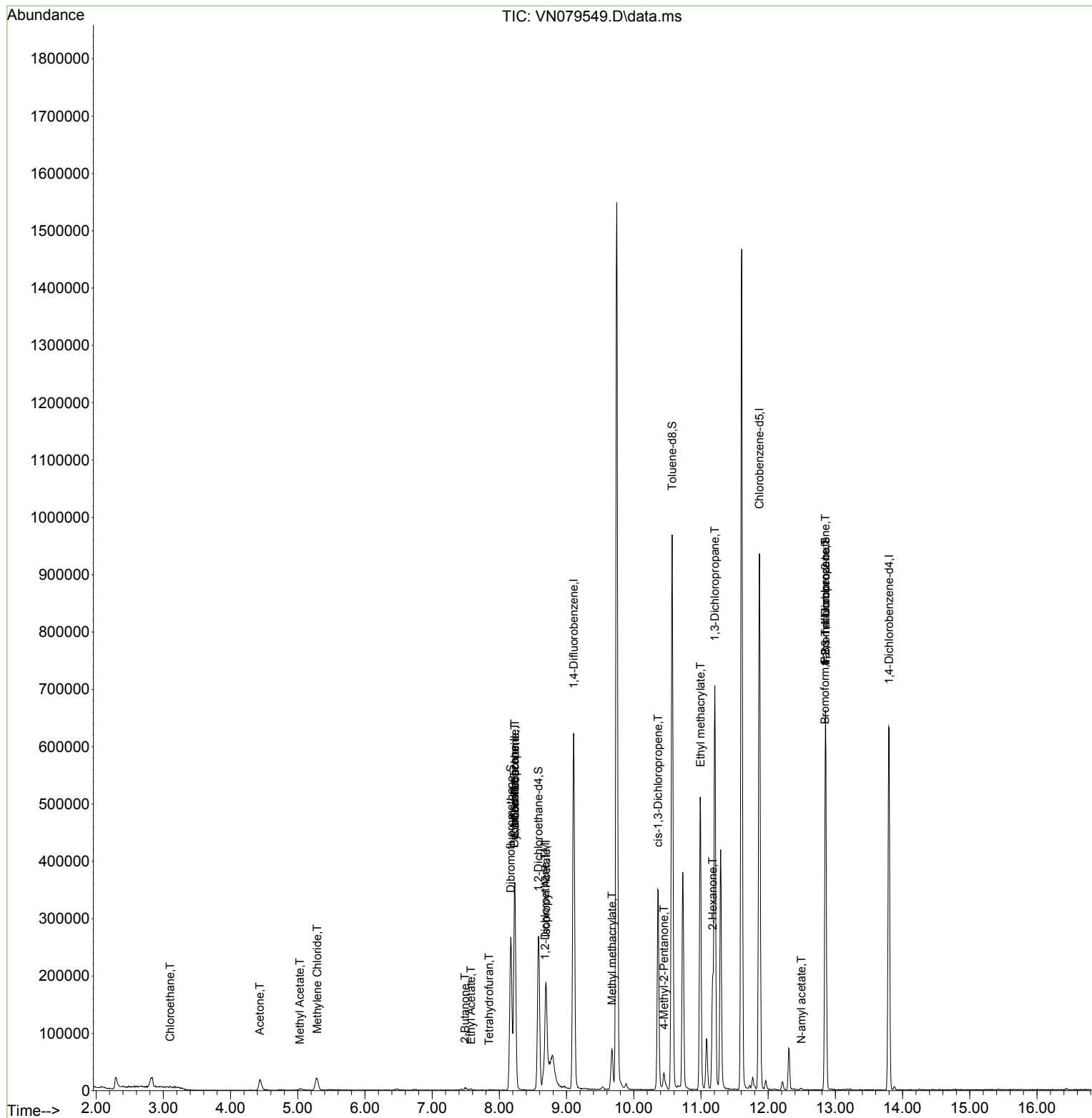
Internal Standards						
1) Pentafluorobenzene	8.224	168	252147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	520843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	527425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	166727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	217366	53.167	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.340%			
35) Dibromofluoromethane	8.171	113	186971	49.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%			
50) Toluene-d8	10.571	98	645481	47.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.320%			
62) 4-Bromofluorobenzene	12.853	95	216765	49.874	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.740%			
Target Compounds						
					Qvalue	
6) Chloroethane	3.101	64	799	0.226	ug/l #	43
16) Acetone	4.436	43	35178	21.694	ug/l	97
18) Methyl Acetate	5.030	43	3482	0.439	ug/l #	78
20) Methylene Chloride	5.289	84	16641	4.134	ug/l #	84
25) 2-Butanone	7.489	43	6697	2.783	ug/l #	70
29) Tetrahydrofuran	7.847	42	581	0.373	ug/l #	31
31) Cyclohexane	8.224	56	7306	1.260	ug/l #	31
36) 1,1-Dichloropropene	8.230	75	23666	4.213	ug/l #	48
37) Ethyl Acetate	7.577	43	3201	0.573	ug/l #	66
38) Carbon Tetrachloride	8.230	117	28546	5.076	ug/l #	14
42) 1,2-Dichloroethane	8.683	62	1564	0.258	ug/l #	73
43) Isopropyl Acetate	8.694	43	237444	24.246	ug/l #	73
48) Methyl methacrylate	9.677	41	4839	1.153	ug/l #	32
51) 4-Methyl-2-Pentanone	10.453	43	26110	4.723	ug/l #	74
54) cis-1,3-Dichloropropene	10.365	75	58090	8.992	ug/l #	72
56) Ethyl methacrylate	10.994	69	2477	0.457	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6797	0.998	ug/l #	42
59) 2-Hexanone	11.177	43	161143	40.395	ug/l #	19
71) Bromoform	12.847	173	1703	0.541	ug/l #	1
74) N-amyl acetate	12.494	43	1976	0.311	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.865	83	168	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.853	75	121776	25.332	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	121776	73.502	ug/l #	15

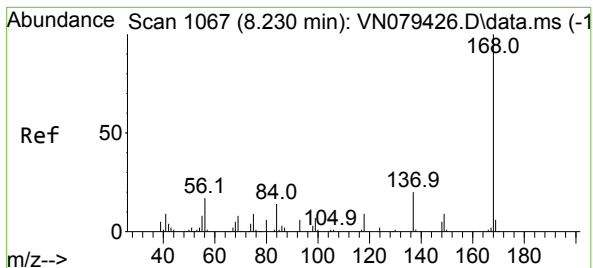
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.224 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

Instrument :

MSVOA_N

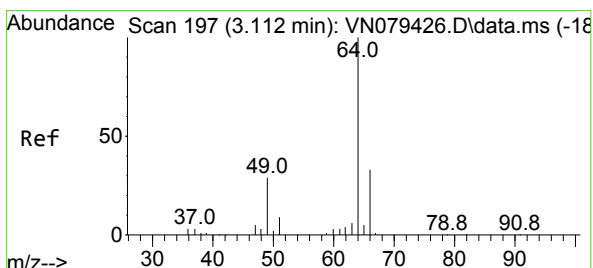
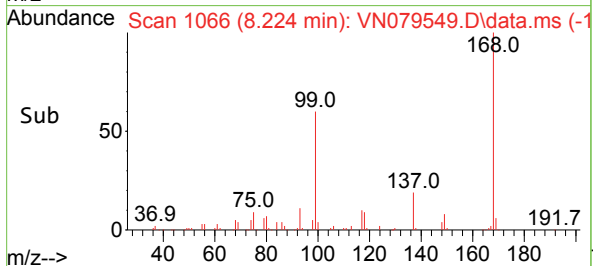
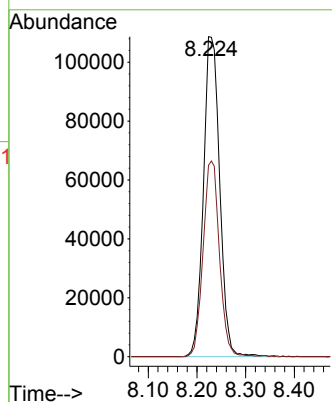
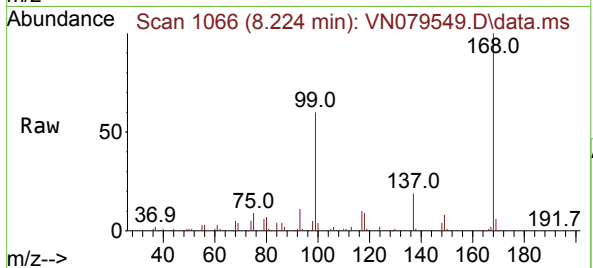
ClientSampleId :

Tgt Ion:168 Resp: 252147

Ion Ratio Lower Upper

168 100

99 59.8 53.0 79.6



#6

Chloroethane

Concen: 0.226 ug/l

RT: 3.101 min Scan# 195

Delta R.T. -0.012 min

Lab File: VN079549.D

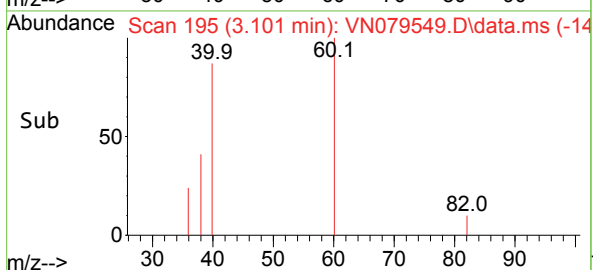
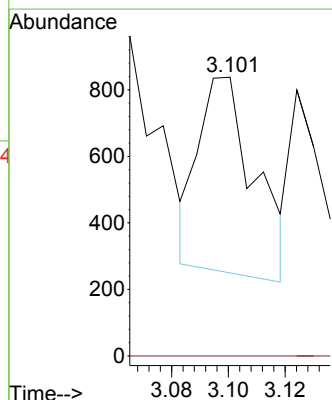
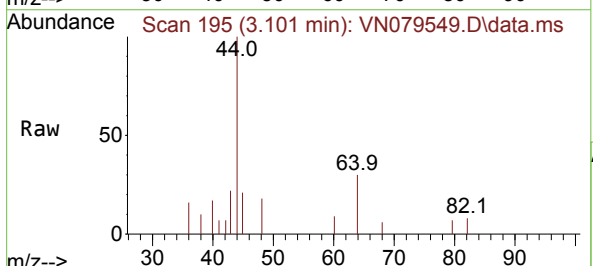
Acq: 12 Oct 2023 16:47

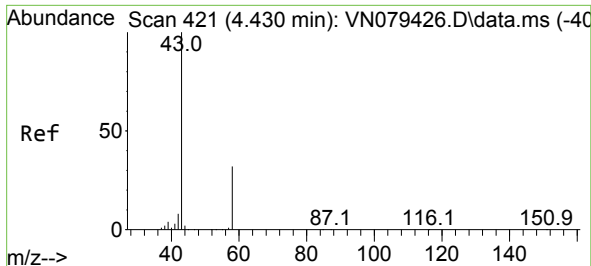
Tgt Ion: 64 Resp: 799

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#





#16

Acetone

Concen: 21.694 ug/l

RT: 4.436 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

Instrument :

MSVOA_N

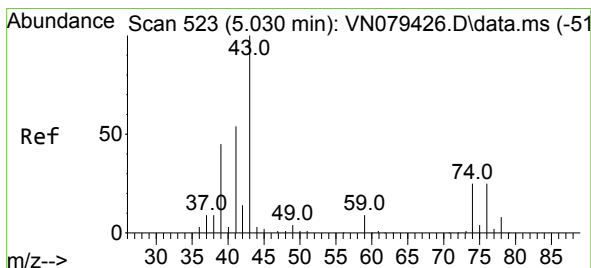
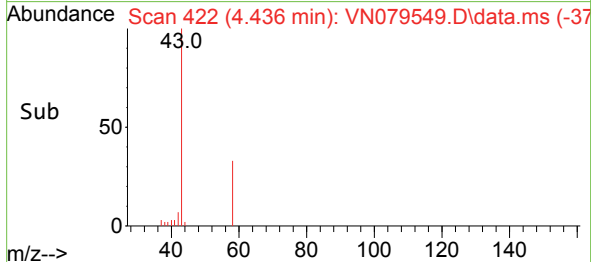
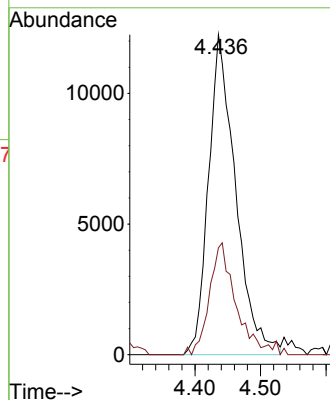
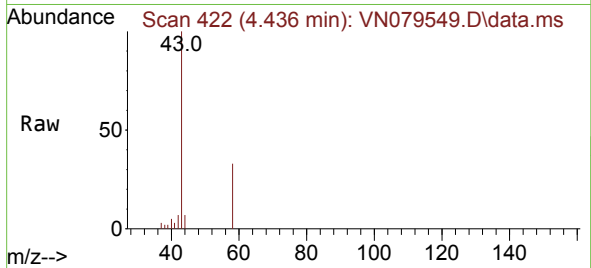
ClientSampleId :

Tgt Ion: 43 Resp: 35178

Ion Ratio Lower Upper

43 100

58 33.4 28.0 42.0



#18

Methyl Acetate

Concen: 0.439 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.000 min

Lab File: VN079549.D

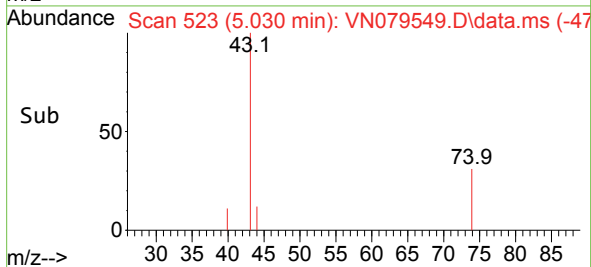
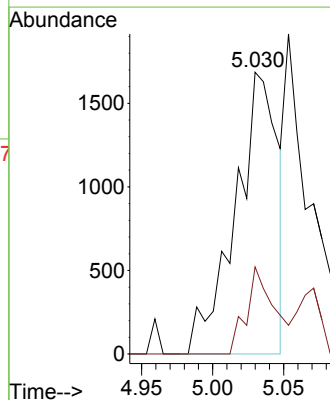
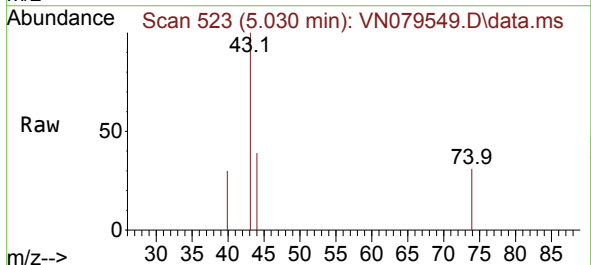
Acq: 12 Oct 2023 16:47

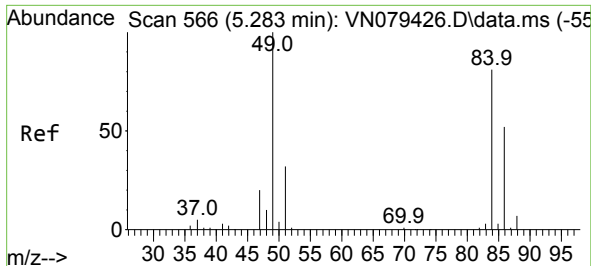
Tgt Ion: 43 Resp: 3482

Ion Ratio Lower Upper

43 100

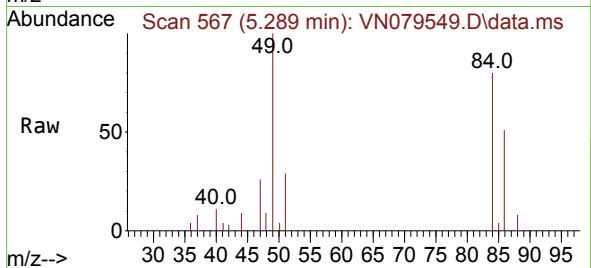
74 20.3 26.2 39.4#





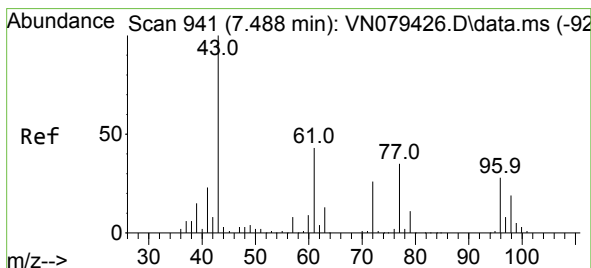
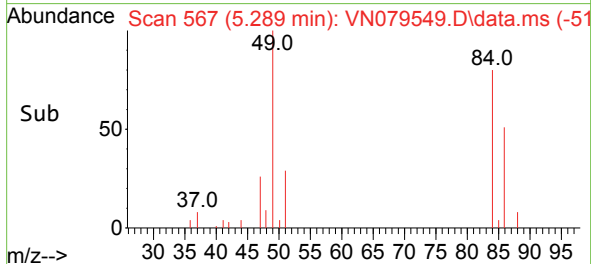
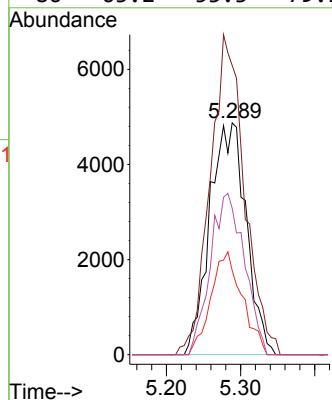
#20
Methylene Chloride
Concen: 4.134 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 16641

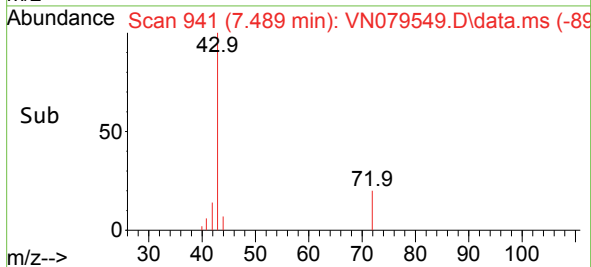
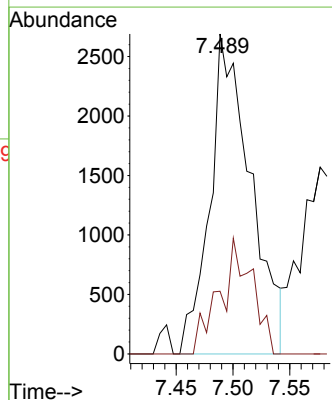
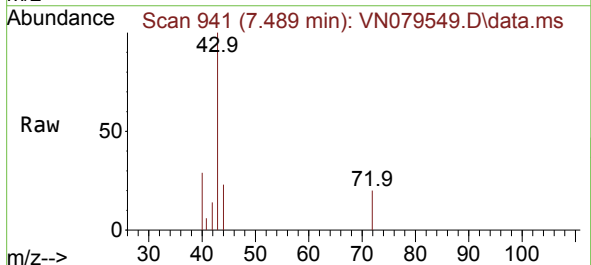
Ion	Ratio	Lower	Upper
84	100		
49	124.8	79.7	119.5#
51	36.3	25.2	37.8
86	63.2	53.3	79.9

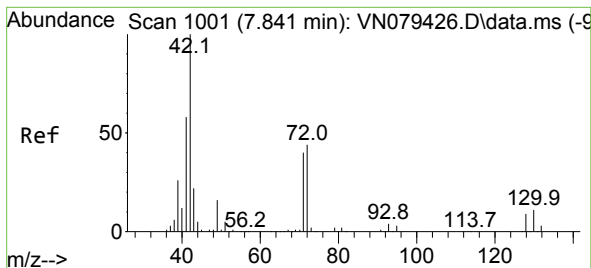


#25
2-Butanone
Concen: 2.783 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.001 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

Tgt Ion: 43 Resp: 6697

Ion	Ratio	Lower	Upper
43	100		
72	19.6	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.373 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.006 min

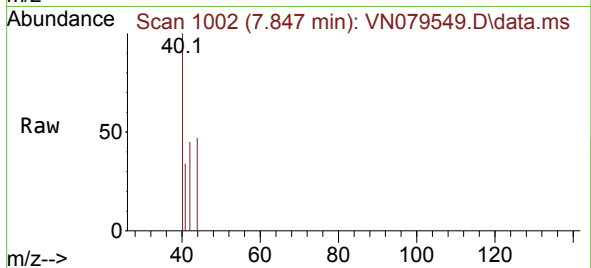
Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

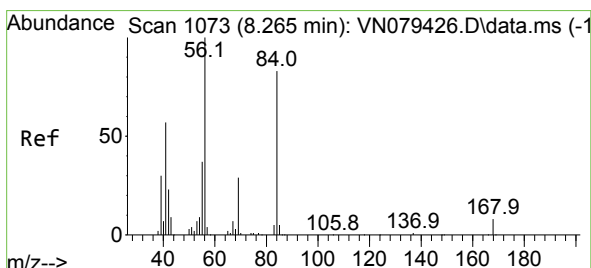
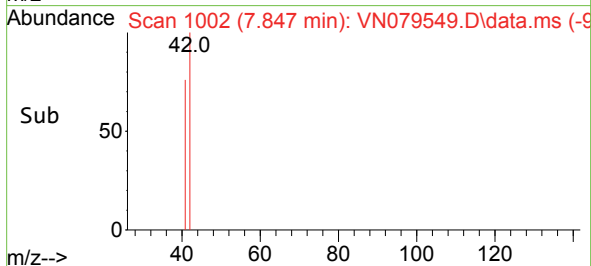
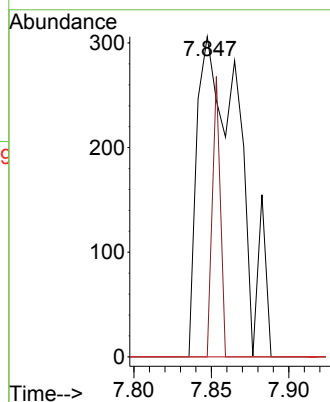
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	581
Ion	Ratio	Lower	Upper
42	100		
72	16.4	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.260 ug/l

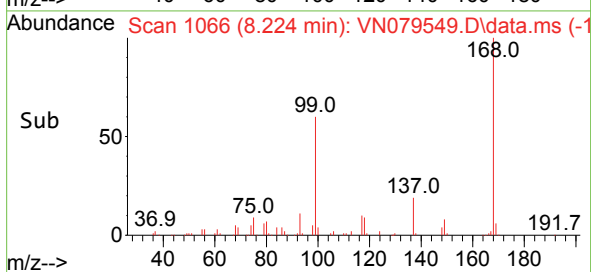
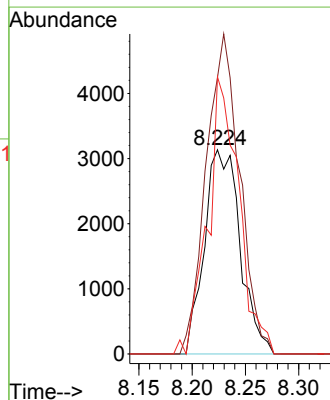
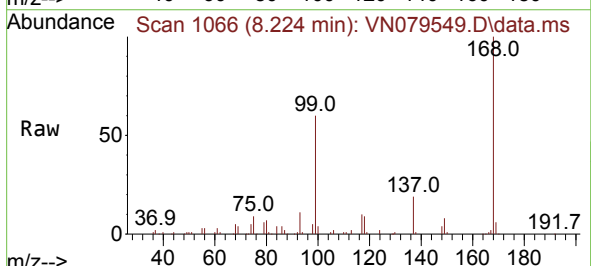
RT: 8.224 min Scan# 1066

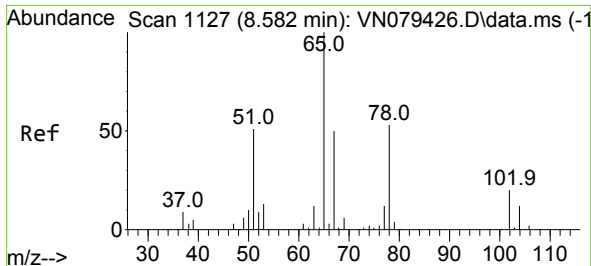
Delta R.T. -0.041 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

Tgt Ion:	56	Resp:	7306
Ion	Ratio	Lower	Upper
56	100		
69	135.4	26.8	40.2#
84	135.8	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 53.167 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

Instrument :

MSVOA_N

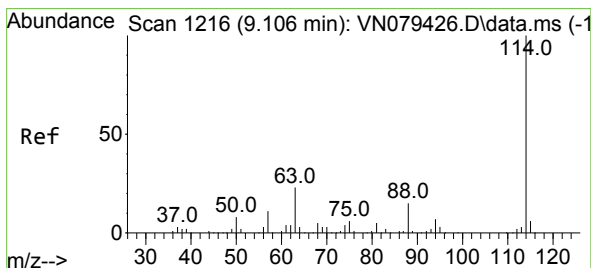
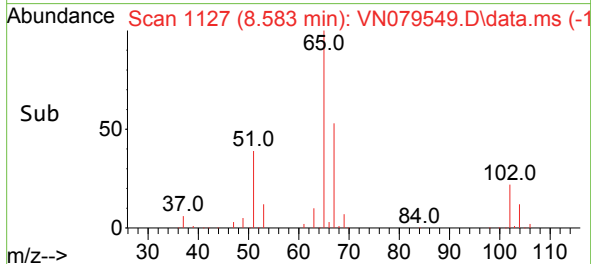
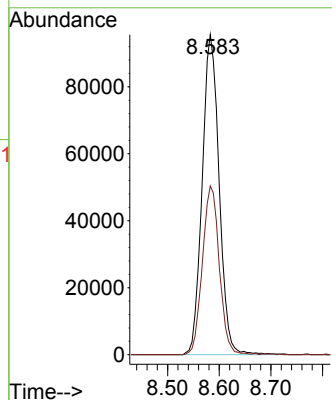
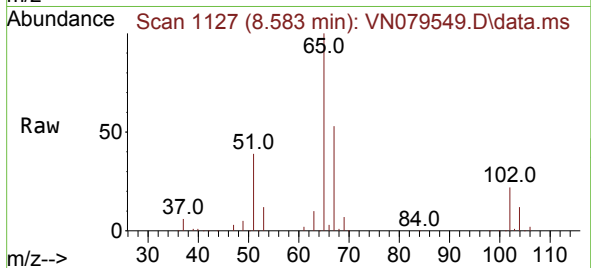
ClientSampleId :

Tgt Ion: 65 Resp: 217366

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. 0.000 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

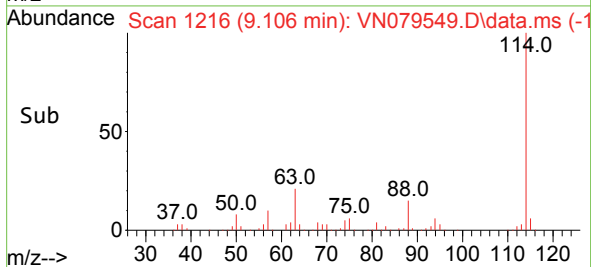
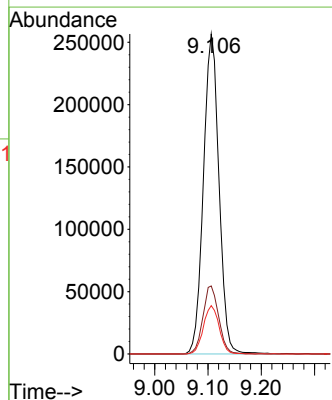
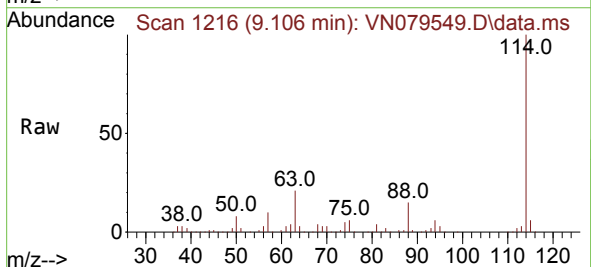
Tgt Ion: 114 Resp: 520843

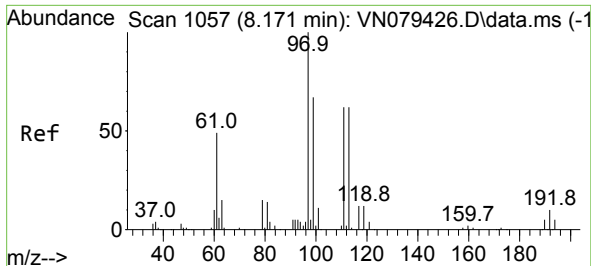
Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.953 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

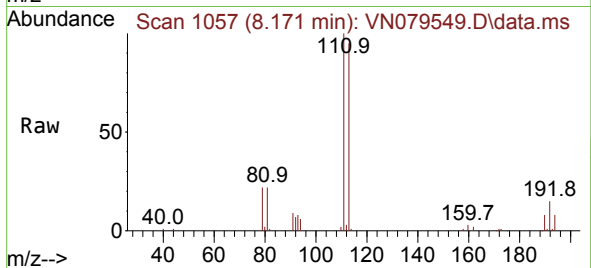
Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

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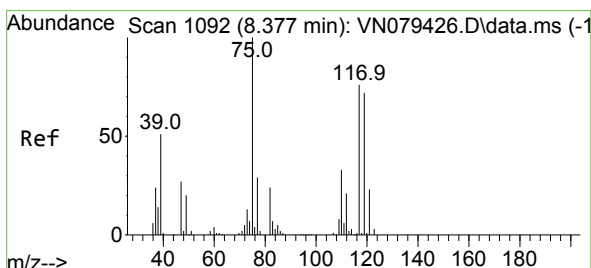
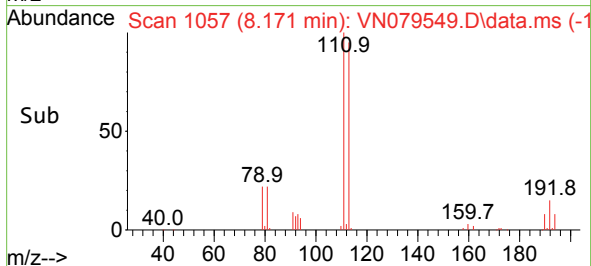
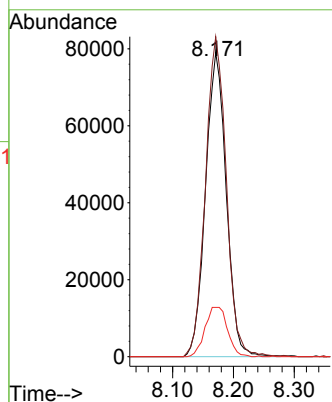
Tgt Ion:113 Resp: 186971

Ion Ratio Lower Upper

113 100

111 105.9 82.6 123.8

192 17.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.213 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

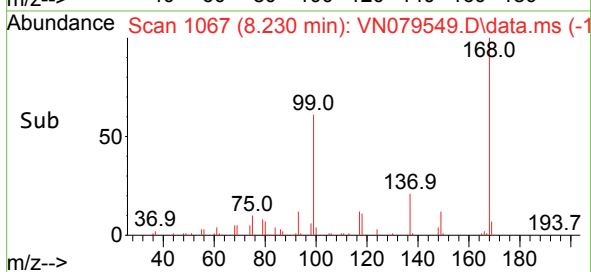
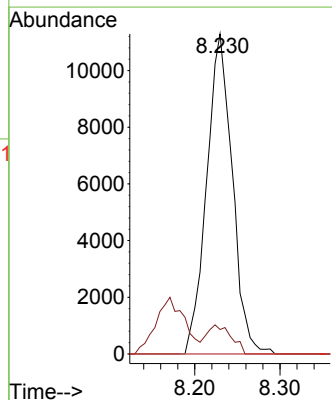
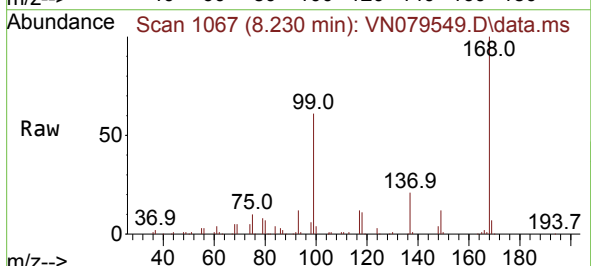
Tgt Ion: 75 Resp: 23666

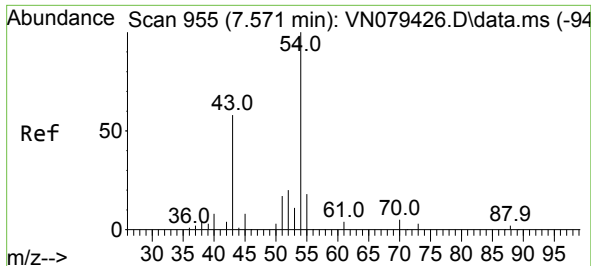
Ion Ratio Lower Upper

75 100

110 8.7 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.573 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

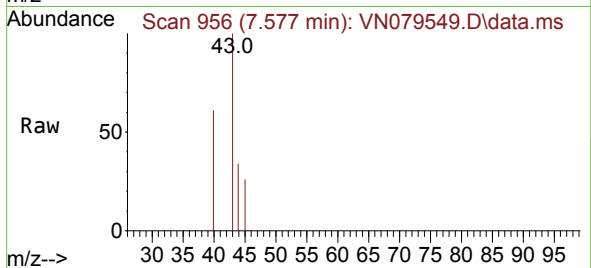
Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

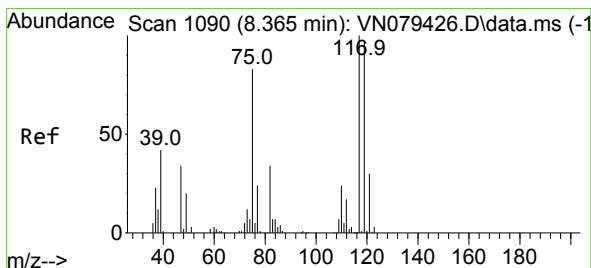
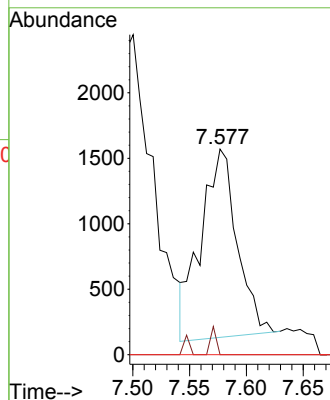
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3201
Ion	Ratio	Lower	Upper
43	100		
61	2.4	13.2	19.8#
70	0.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 5.076 ug/l

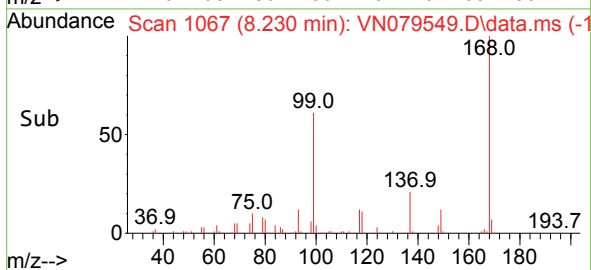
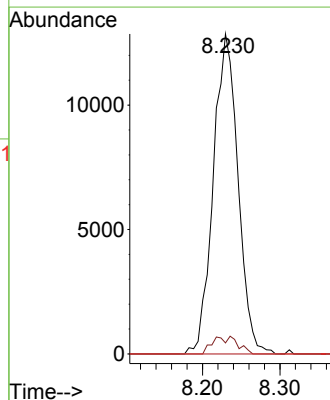
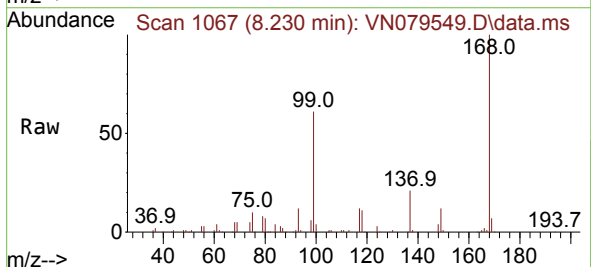
RT: 8.230 min Scan# 1067

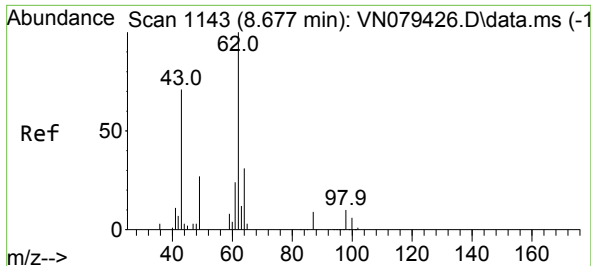
Delta R.T. -0.135 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

Tgt Ion:	117	Resp:	28546
Ion	Ratio	Lower	Upper
117	100		
119	3.5	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.258 ug/l

RT: 8.683 min Scan# 1143

Delta R.T. 0.006 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

Instrument :

MSVOA_N

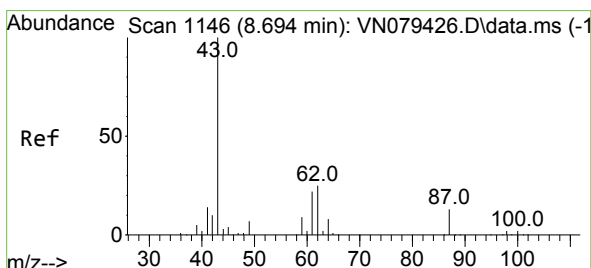
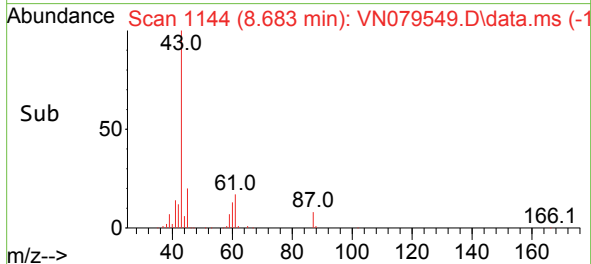
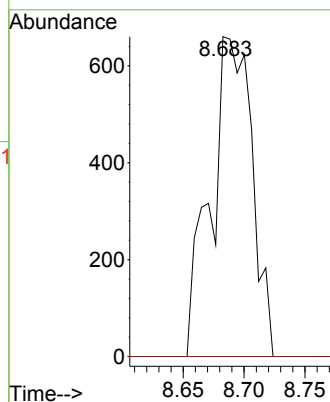
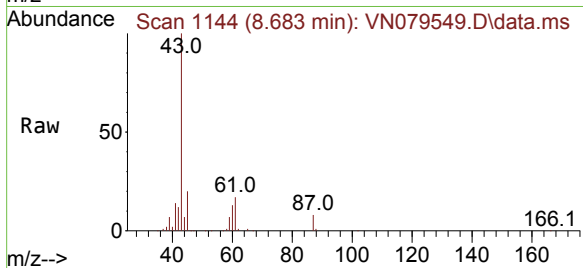
ClientSampleId :

Tgt Ion: 62 Resp: 1564

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 24.246 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

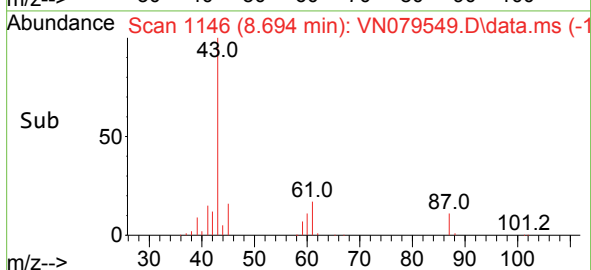
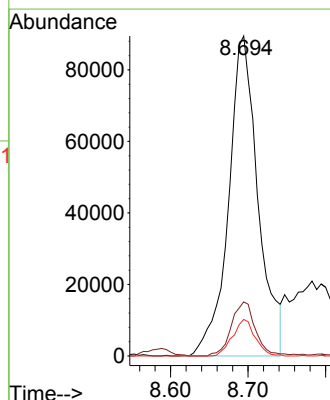
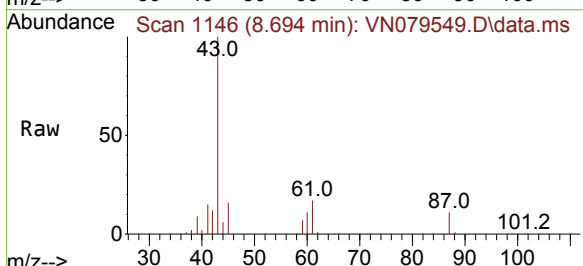
Tgt Ion: 43 Resp: 237444

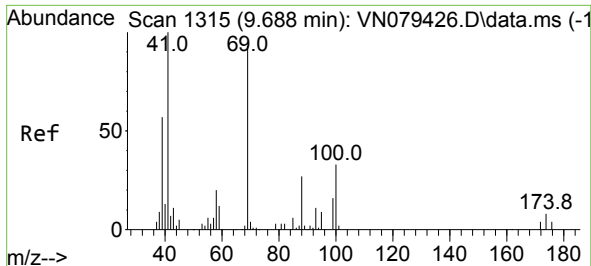
Ion Ratio Lower Upper

43 100

61 14.0 24.7 37.1#

87 8.7 14.6 21.8#

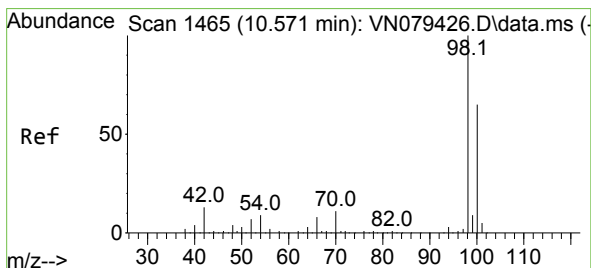
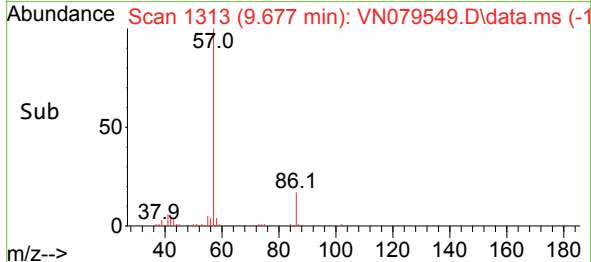
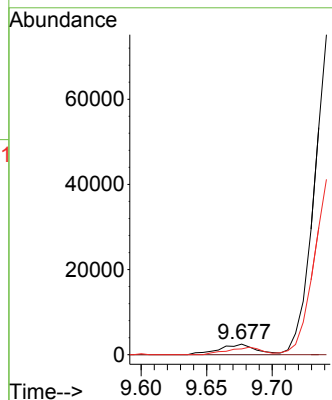
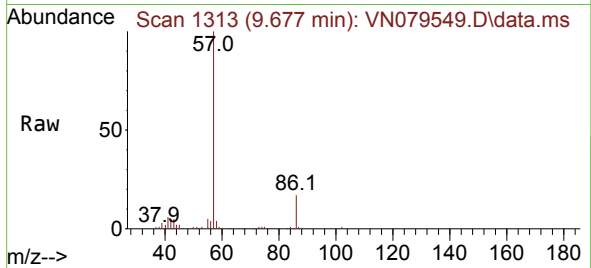




#48
Methyl methacrylate
Concen: 1.153 ug/l
RT: 9.677 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

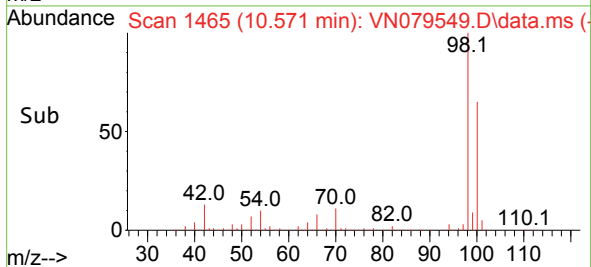
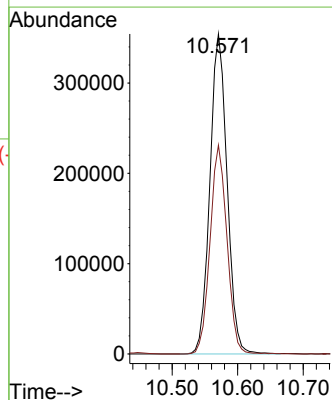
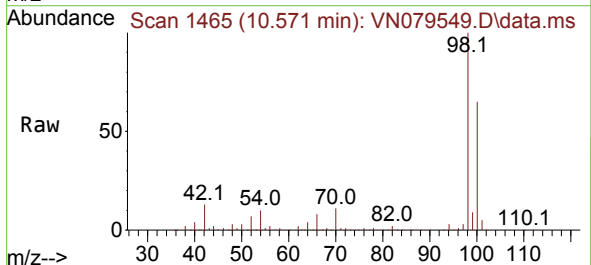
Instrument :
MSVOA_N
ClientSampleId :

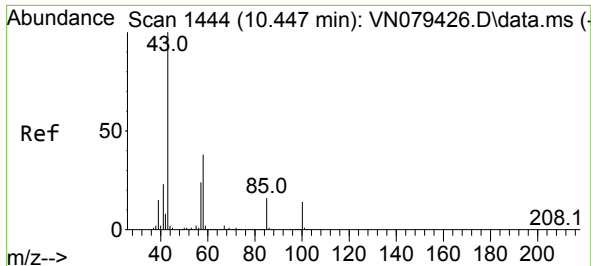
Tgt Ion: 41 Resp: 4839
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 63.4 54.6 81.8



#50
Toluene-d8
Concen: 47.661 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

Tgt Ion: 98 Resp: 645481
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 4.723 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

Instrument :

MSVOA_N

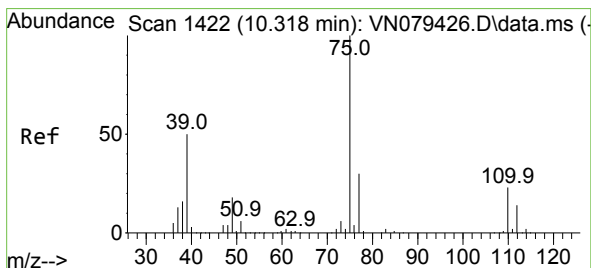
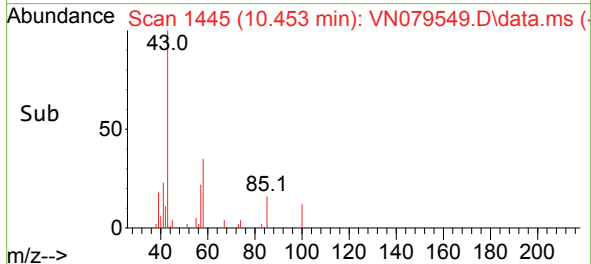
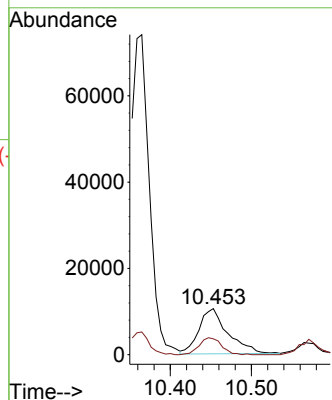
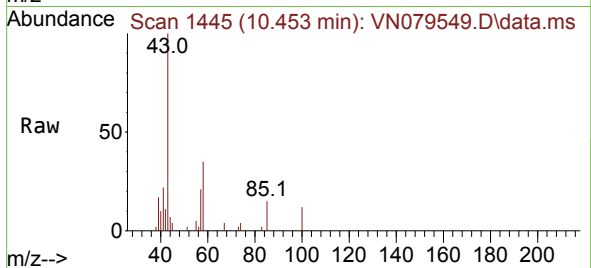
ClientSampleId :

Tgt Ion: 43 Resp: 26110

Ion Ratio Lower Upper

43 100

58 28.9 36.6 54.8#



#54

cis-1,3-Dichloropropene

Concen: 8.992 ug/l

RT: 10.365 min Scan# 1430

Delta R.T. 0.047 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

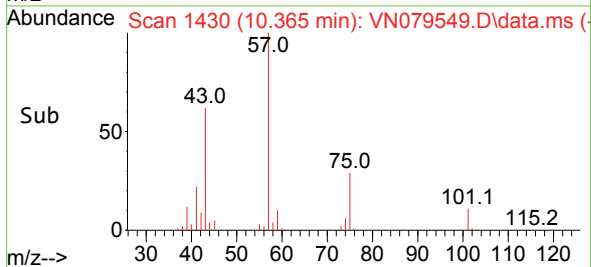
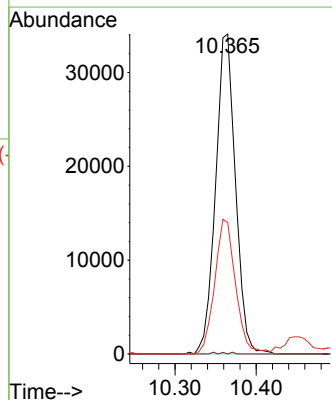
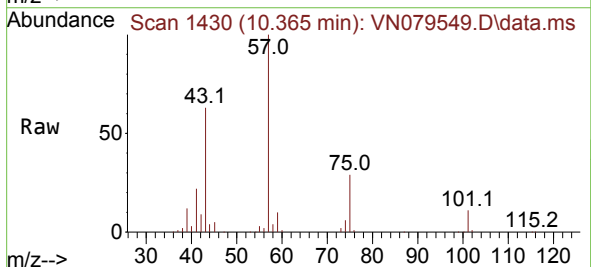
Tgt Ion: 75 Resp: 58090

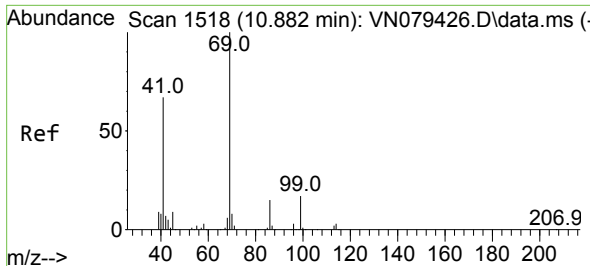
Ion Ratio Lower Upper

75 100

77 0.0 26.1 39.1#

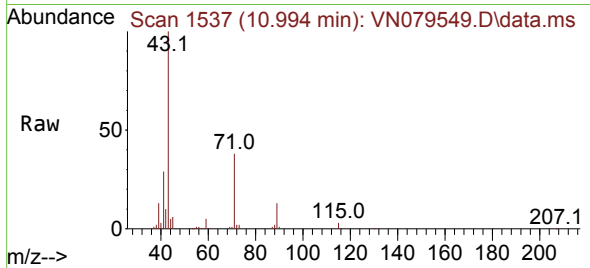
39 41.1 31.6 47.4



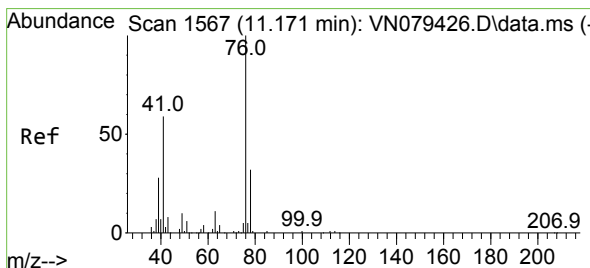
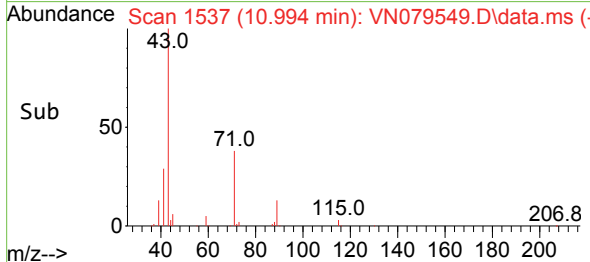
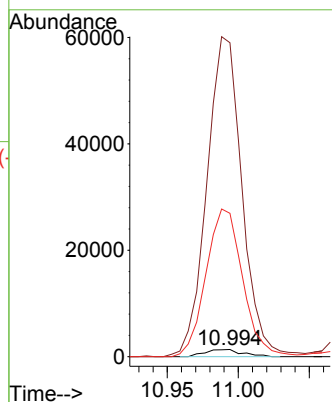


#56
Ethyl methacrylate
Concen: 0.457 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.112 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

Instrument :
MSVOA_N
ClientSampleId :

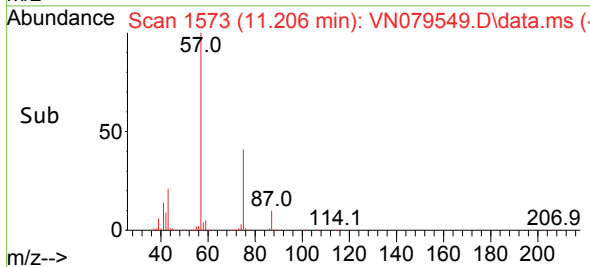
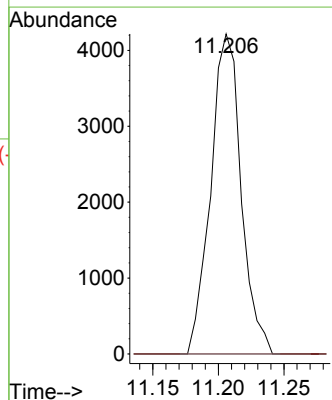
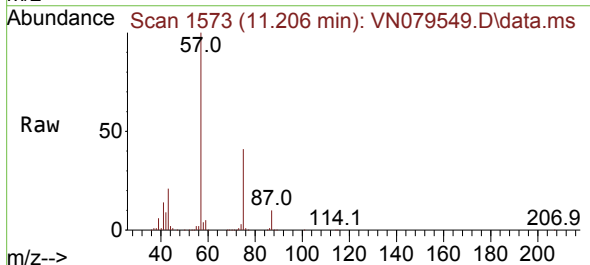


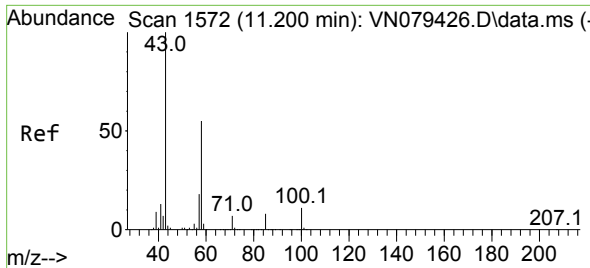
Tgt Ion: 69 Resp: 2477
Ion Ratio Lower Upper
69 100
41 4186.0 39.6 59.4#
39 2014.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 0.998 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

Tgt Ion: 76 Resp: 6797
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

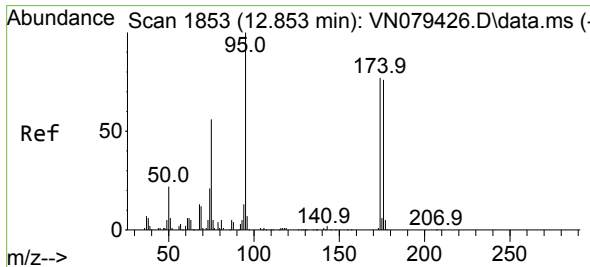
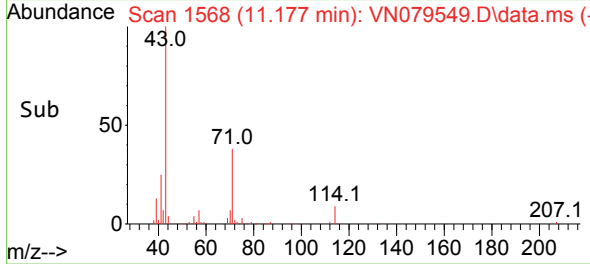
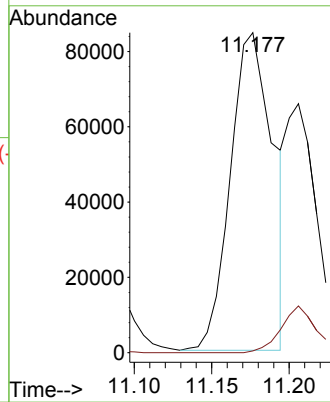
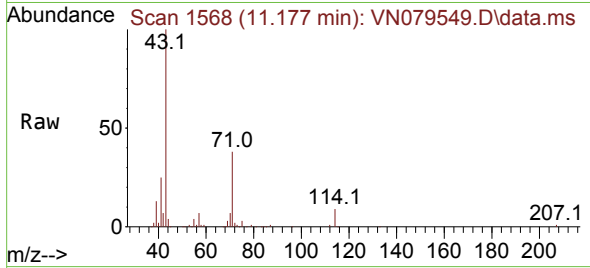




#59
2-Hexanone
Concen: 40.395 ug/l
RT: 11.177 min Scan# 1117
Delta R.T. -0.023 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

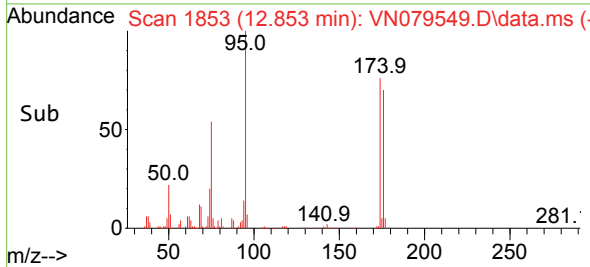
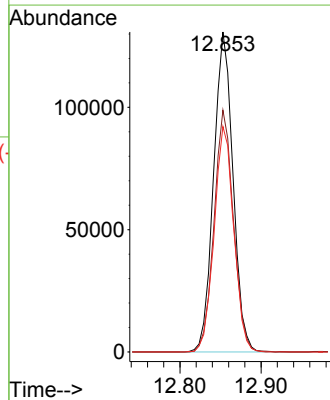
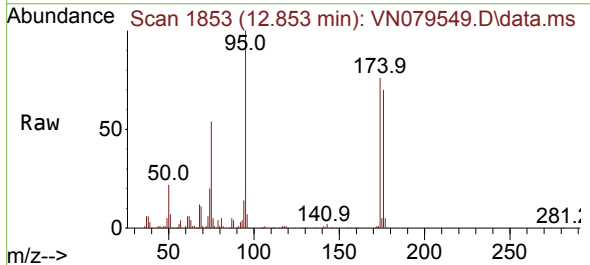
Instrument :
MSVOA_N
ClientSampleId :

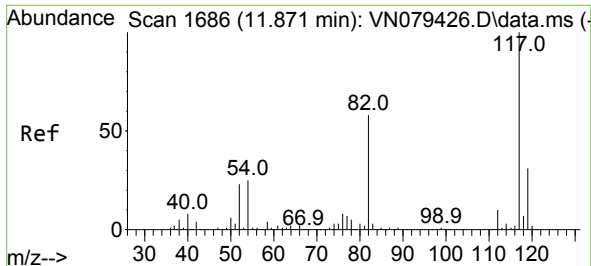
Tgt Ion: 43 Resp: 161143
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 49.874 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

Tgt Ion: 95 Resp: 216765
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 71.3 0.0 135.8

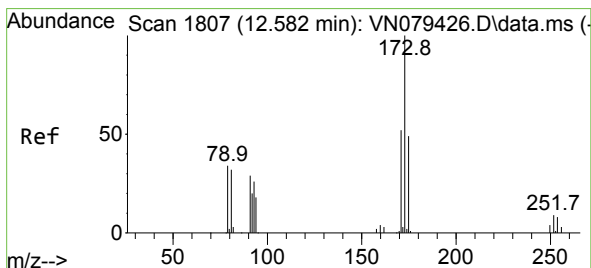
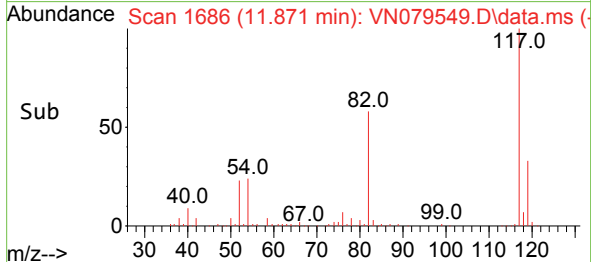
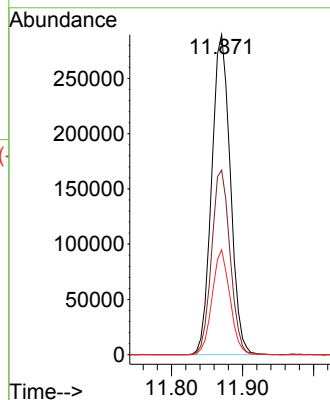
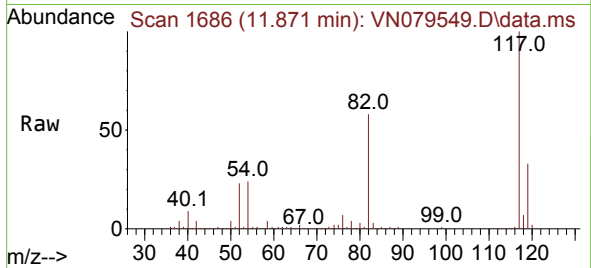




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

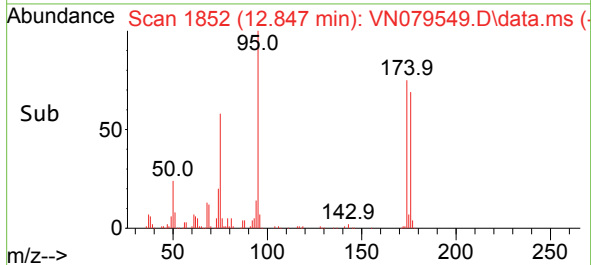
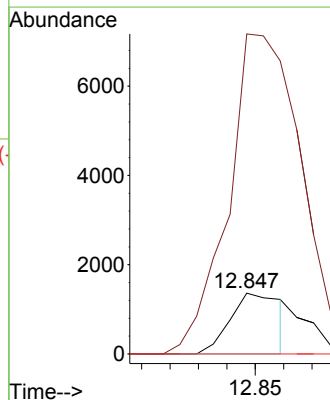
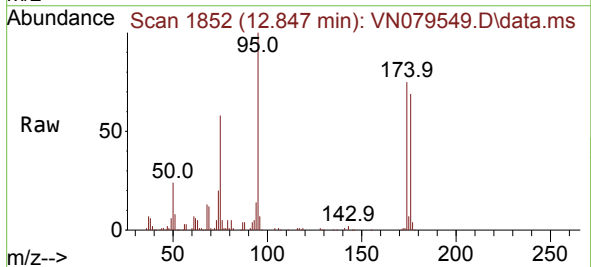
Instrument :
MSVOA_N
ClientSampleId :

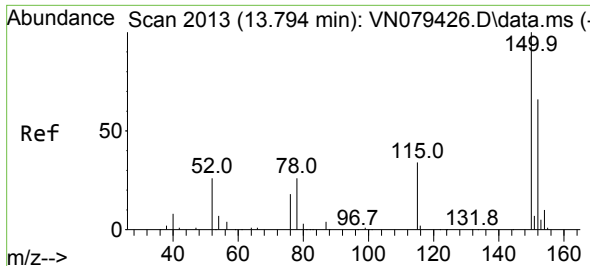
Tgt Ion:117 Resp: 527425
Ion Ratio Lower Upper
117 100
82 57.7 44.0 66.0
119 32.8 25.6 38.4



#71
Bromoform
Concen: 0.541 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

Tgt Ion:173 Resp: 1703
Ion Ratio Lower Upper
173 100
175 563.5 24.3 73.0#
254 0.0 0.0 0.0

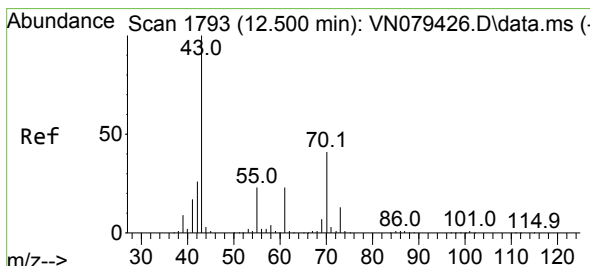
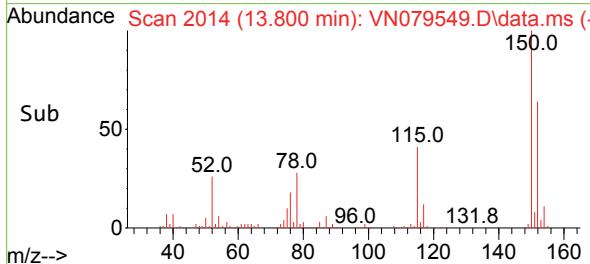
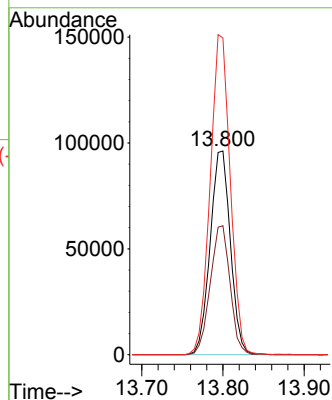
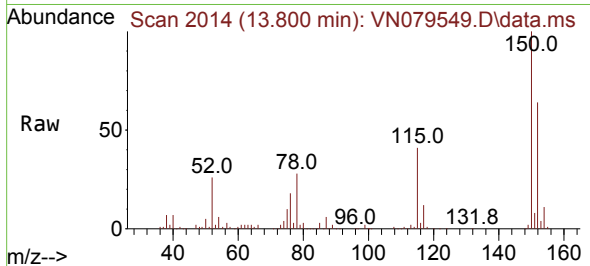




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

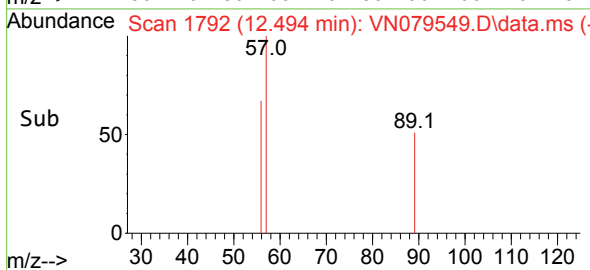
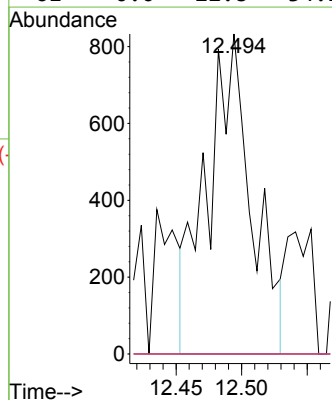
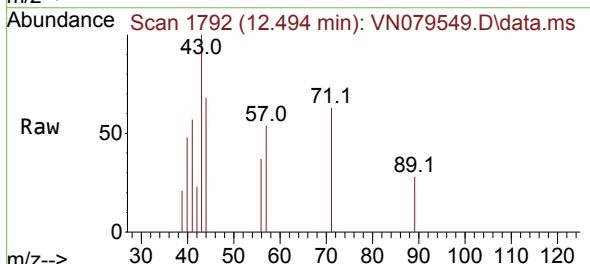
Instrument :
MSVOA_N
ClientSampleId :

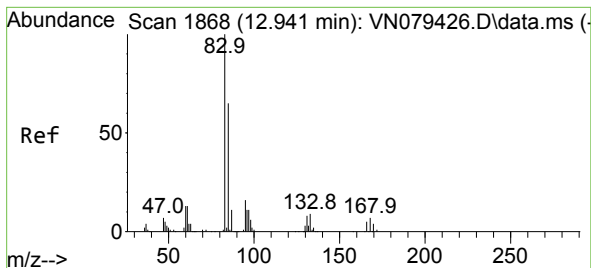
Tgt Ion:152 Resp: 166727
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 155.6 0.0 355.8



#74
N-ethyl acetate
Concen: 0.311 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.006 min
Lab File: VN079549.D
Acq: 12 Oct 2023 16:47

Tgt Ion: 43 Resp: 1976
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#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.865 min Scan# 1855

Delta R.T. -0.076 min

Lab File: VN079549.D

Acq: 12 Oct 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :

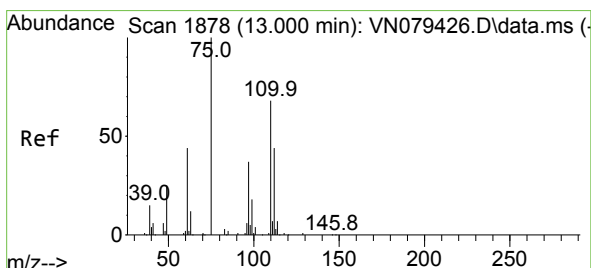
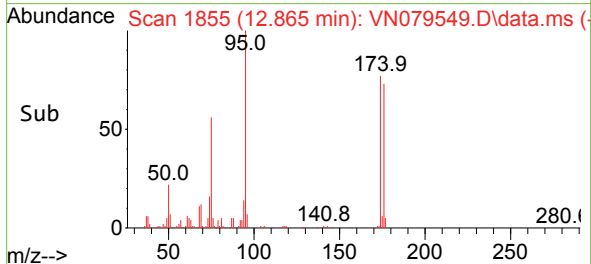
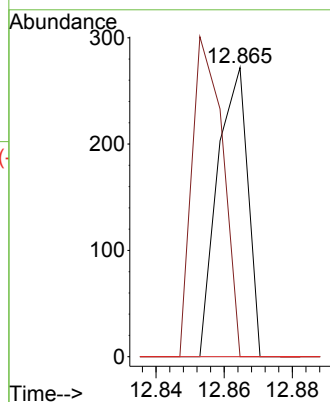
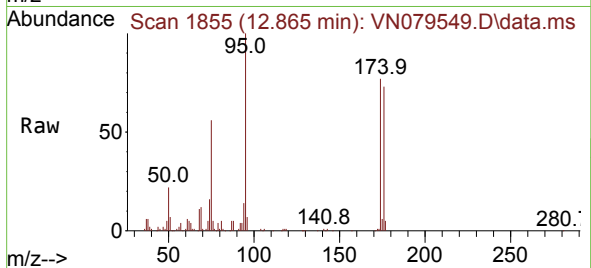
Tgt Ion: 83 Resp: 168

Ion Ratio Lower Upper

83 100

131 111.9 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 25.332 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079549.D

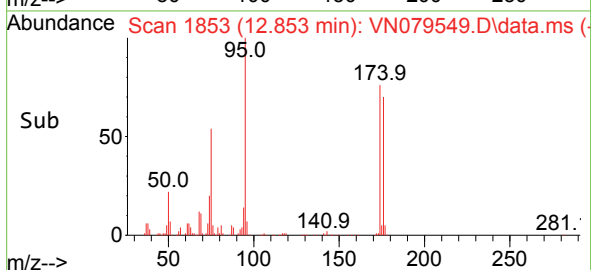
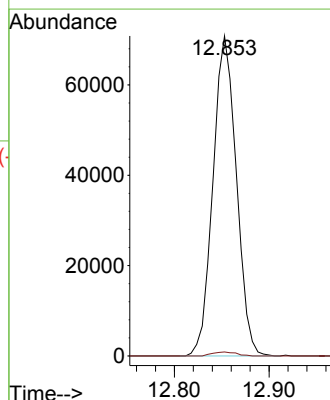
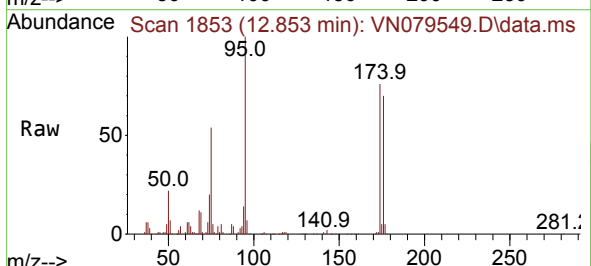
Acq: 12 Oct 2023 16:47

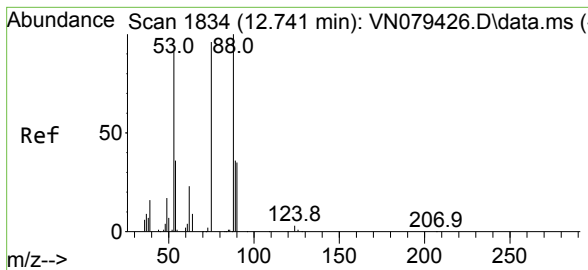
Tgt Ion: 75 Resp: 121776

Ion Ratio Lower Upper

75 100

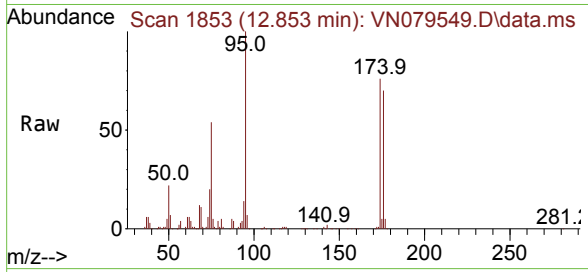
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.502 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079549.D
 Acq: 12 Oct 2023 16:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 121776
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

