

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079554.D
 Acq On : 12 Oct 2023 18:47
 Operator : JC\MD
 Sample : PB156319ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:24:40 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)

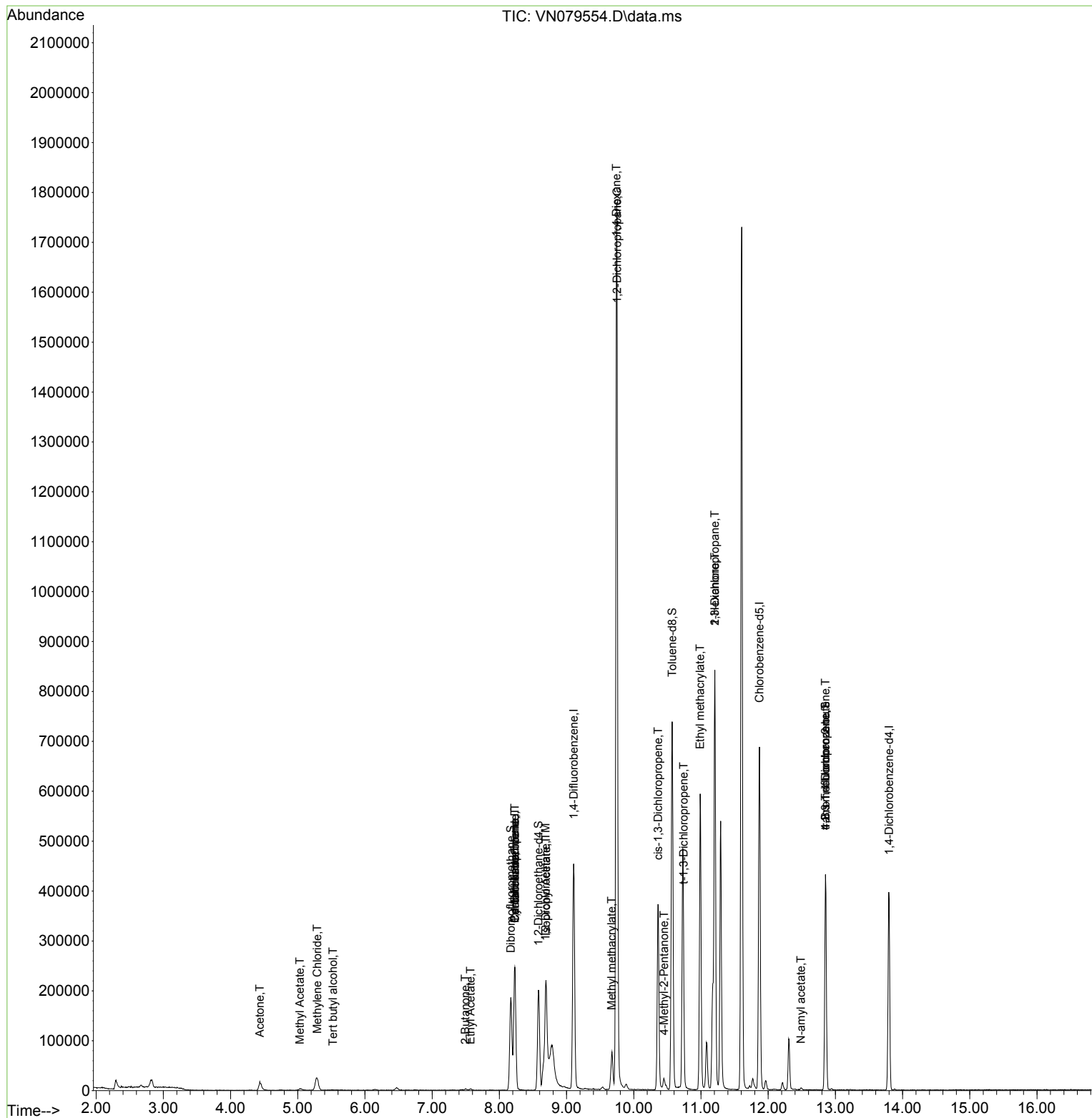
Internal Standards						
1) Pentafluorobenzene	8.229	168	176900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	380547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	383120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	105209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	160203	55.853	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.700%
35) Dibromofluoromethane	8.171	113	131104	47.940	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.880%
50) Toluene-d8	10.571	98	500849	50.616	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.240%
62) 4-Bromofluorobenzene	12.853	95	143995	45.345	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.680%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.524	59	184	0.426	ug/l #	72
16) Acetone	4.436	43	30658	26.948	ug/l	93
18) Methyl Acetate	5.030	43	6354	1.141	ug/l #	84
20) Methylene Chloride	5.289	84	19613	7.359	ug/l #	77
25) 2-Butanone	7.494	43	4434	2.626	ug/l #	77
31) Cyclohexane	8.229	56	5160	1.268	ug/l #	60
36) 1,1-Dichloropropene	8.229	75	16924	4.123	ug/l #	47
37) Ethyl Acetate	7.571	43	4355	1.066	ug/l #	76
38) Carbon Tetrachloride	8.229	117	18975	4.618	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1566	0.354	ug/l #	73
43) Isopropyl Acetate	8.694	43	301446	42.130	ug/l #	69
45) 1,2-Dichloropropane	9.753	63	2092	0.651	ug/l #	45
48) Methyl methacrylate	9.671	41	5111	1.667	ug/l #	32
49) 1,4-Dioxane	9.741	88	85	1.505	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	20087	4.973	ug/l #	72
53) t-1,3-Dichloropropene	10.741	75	1171	0.272	ug/l #	84
54) cis-1,3-Dichloropropene	10.365	75	64165	13.594	ug/l #	71
56) Ethyl methacrylate	10.988	69	3369	0.851	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8143	1.637	ug/l #	42
59) 2-Hexanone	11.206	43	104427	35.828	ug/l #	46
74) N-amyl acetate	12.488	43	1693	0.422	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.870	83	84	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	80305	26.473	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	80305	76.813	ug/l #	15

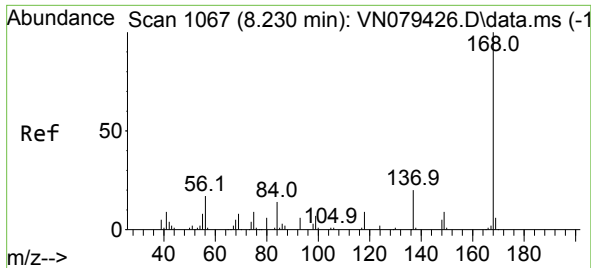
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 13 01:24:40 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

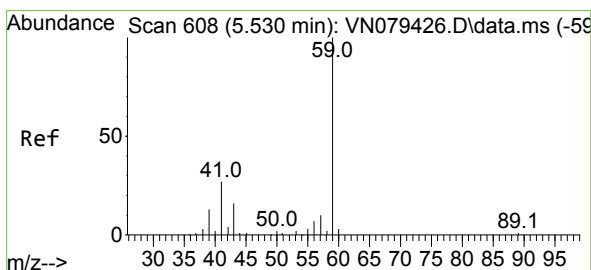
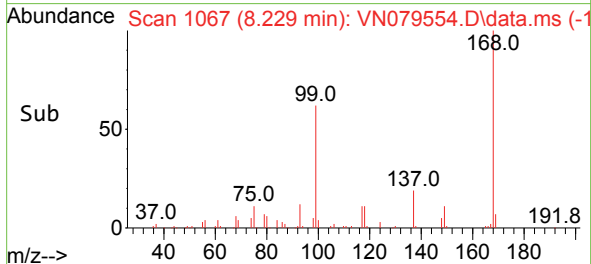
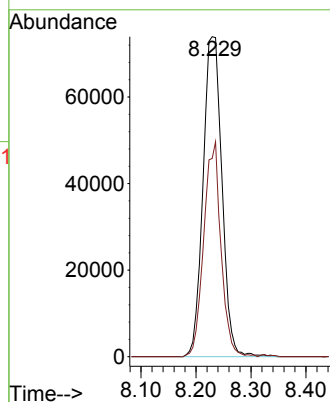
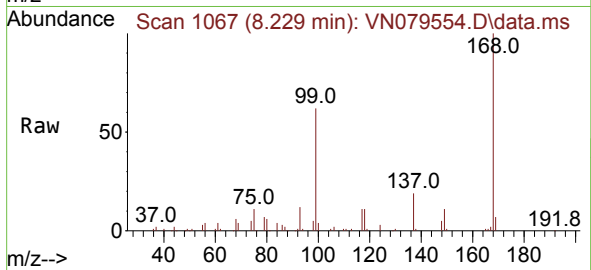




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

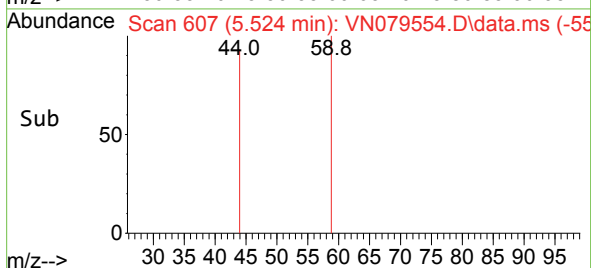
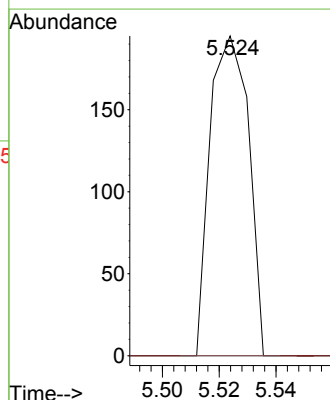
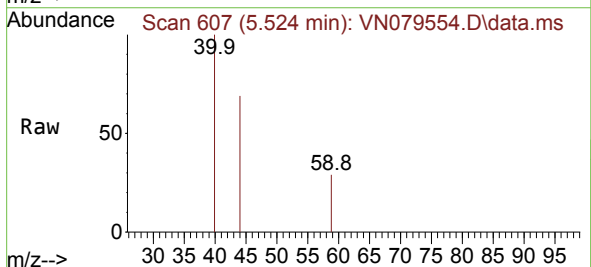
Instrument :
MSVOA_N
ClientSampleId :

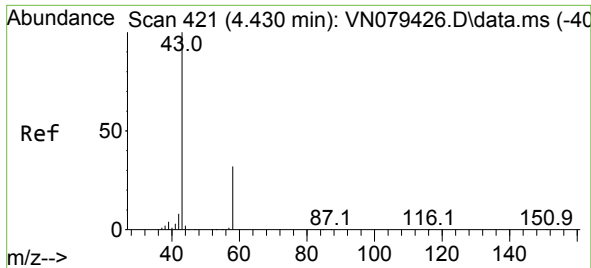
Tgt Ion:168 Resp: 176900
Ion Ratio Lower Upper
168 100
99 61.9 53.0 79.6



#11
Tert butyl alcohol
Concen: 0.426 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

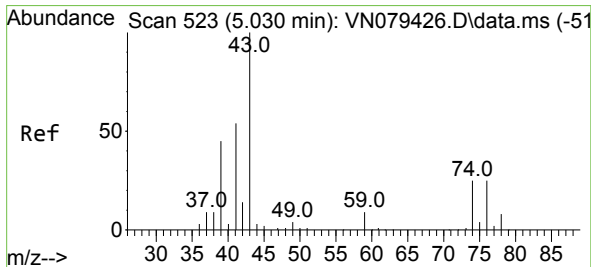
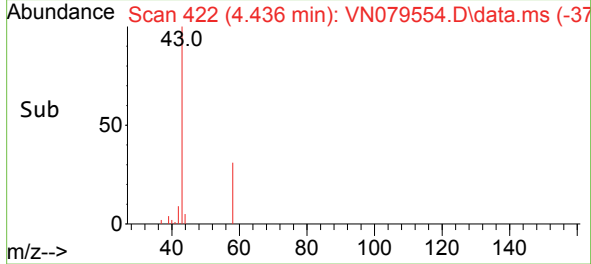
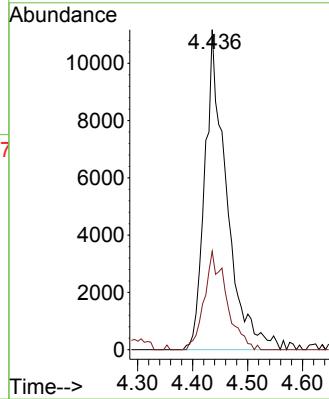
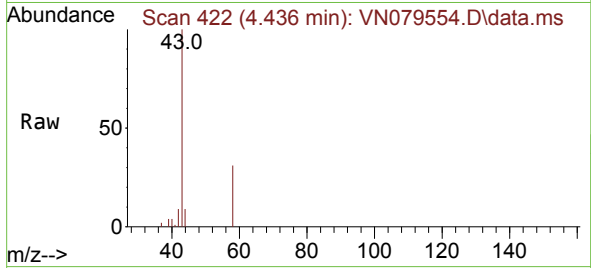




#16
Acetone
Concen: 26.948 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

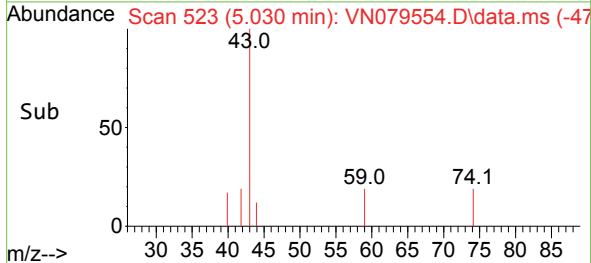
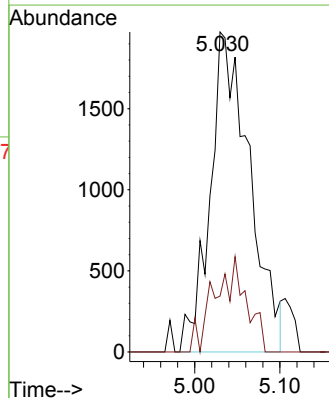
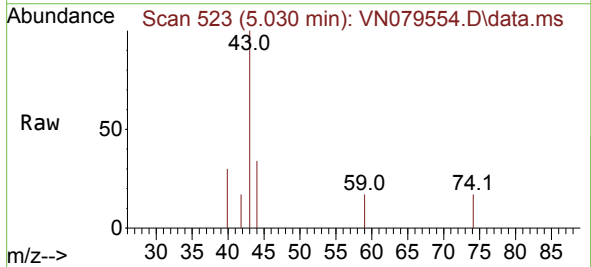
Instrument :
MSVOA_N
ClientSampleId :

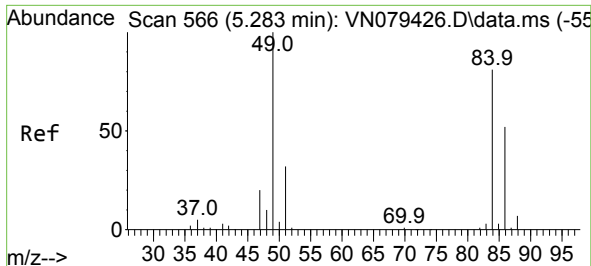
Tgt Ion: 43 Resp: 30658
Ion Ratio Lower Upper
43 100
58 30.8 28.0 42.0



#18
Methyl Acetate
Concen: 1.141 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

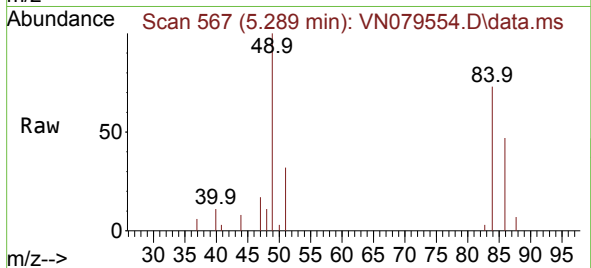
Tgt Ion: 43 Resp: 6354
Ion Ratio Lower Upper
43 100
74 23.9 26.2 39.4#





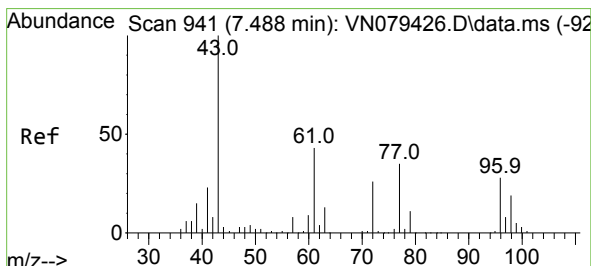
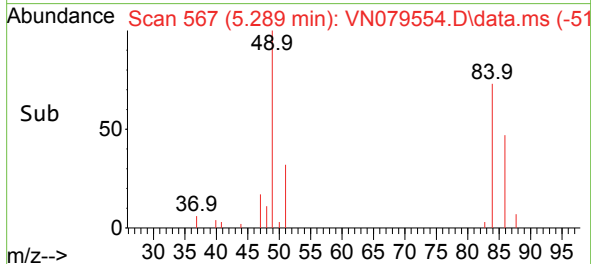
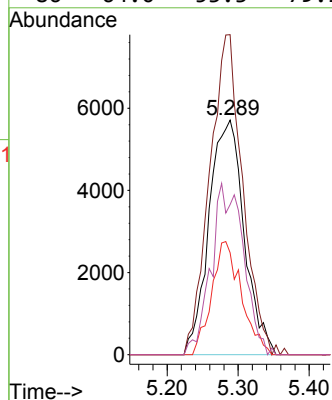
#20
Methylene Chloride
Concen: 7.359 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 19613

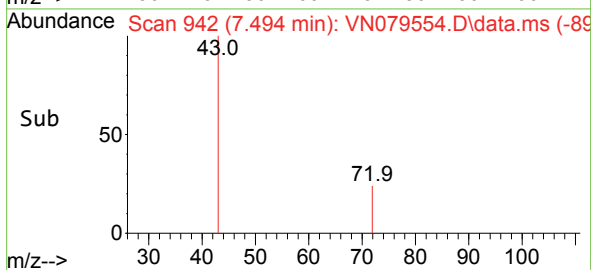
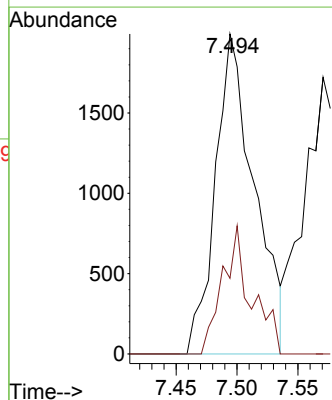
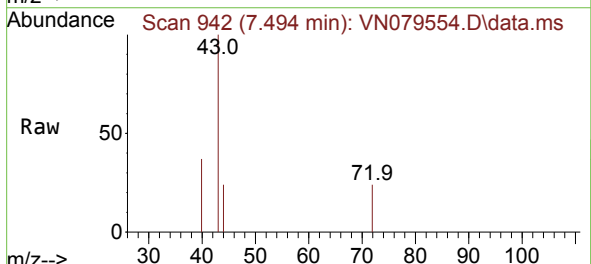
Ion	Ratio	Lower	Upper
84	100		
49	136.4	79.7	119.5#
51	43.5	25.2	37.8#
86	64.0	53.3	79.9

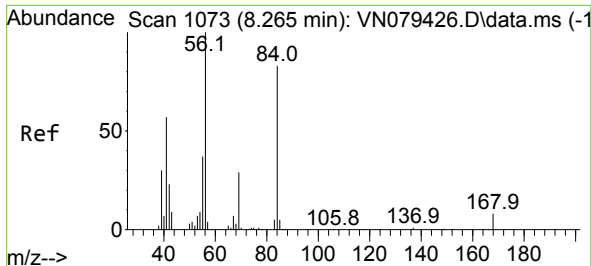


#25
2-Butanone
Concen: 2.626 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Tgt Ion: 43 Resp: 4434

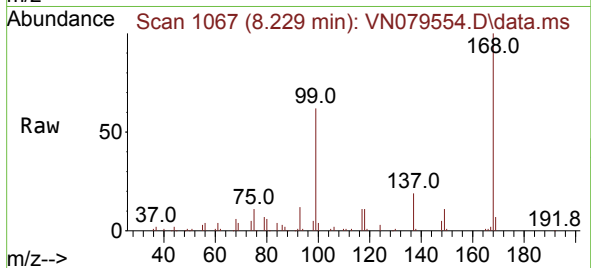
Ion	Ratio	Lower	Upper
43	100		
72	23.6	30.2	45.2#



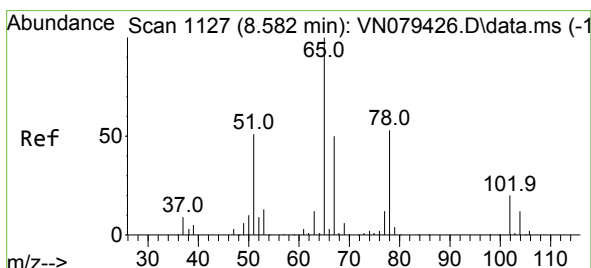
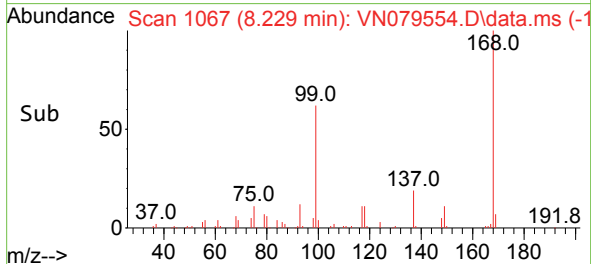
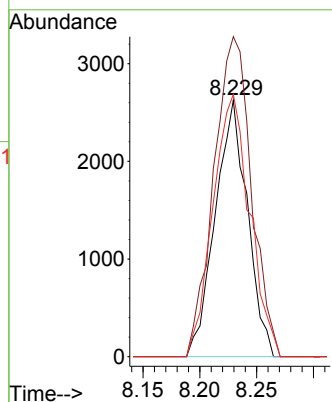


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Instrument :
MSVOA_N
ClientSampleId :

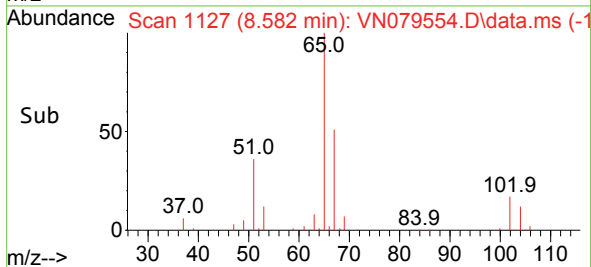
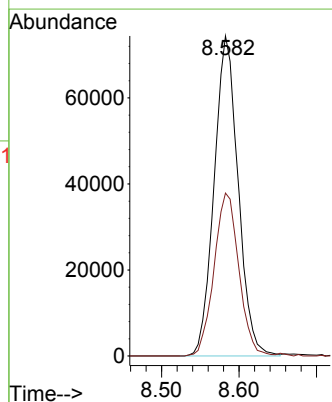
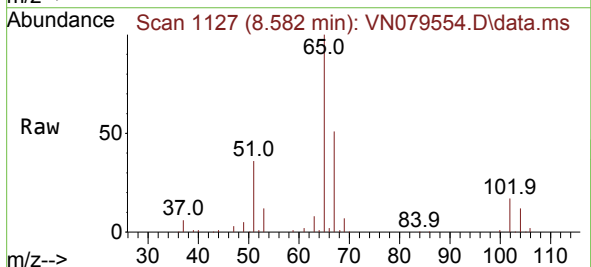


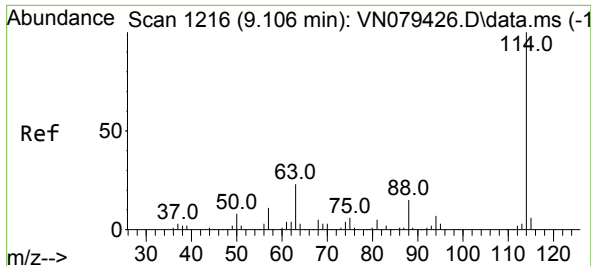
Tgt Ion: 56 Resp: 5160
Ion Ratio Lower Upper
56 100
69 124.8 26.8 40.2#
84 102.4 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 55.853 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Tgt Ion: 65 Resp: 160203
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# 1

Delta R.T. -0.000 min

Lab File: VN079554.D

Acq: 12 Oct 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :

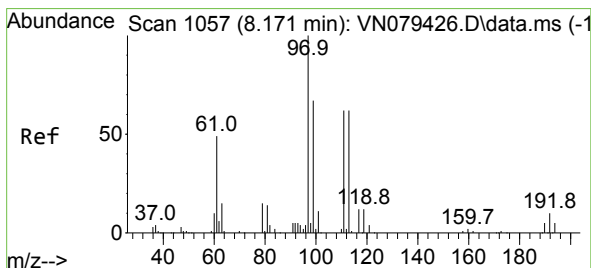
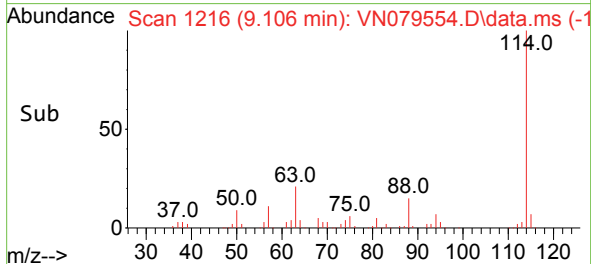
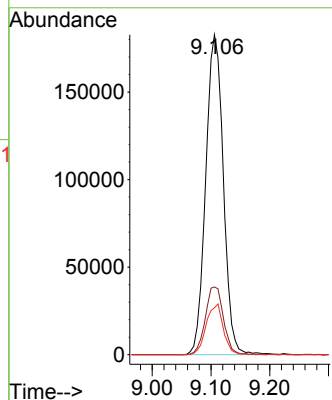
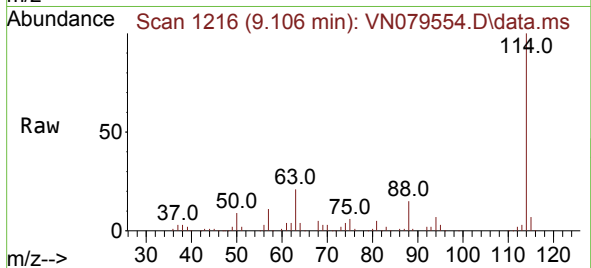
Tgt Ion:114 Resp: 380547

Ion Ratio Lower Upper

114 100

63 21.2 0.0 36.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.940 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079554.D

Acq: 12 Oct 2023 18:47

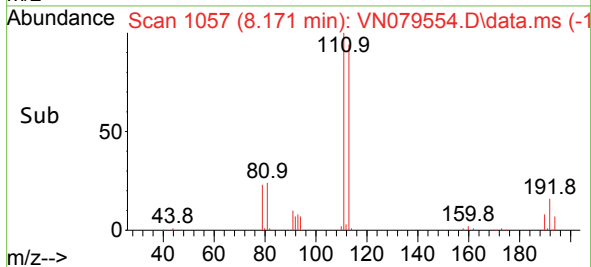
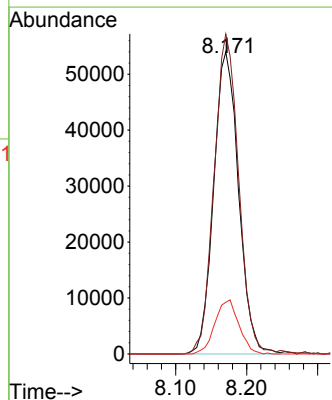
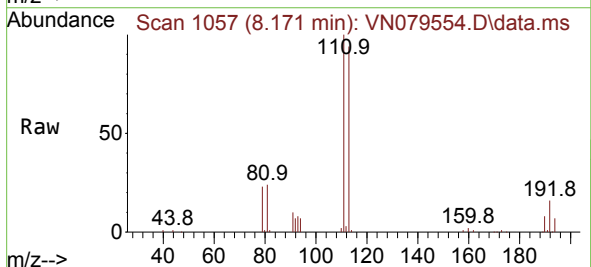
Tgt Ion:113 Resp: 131104

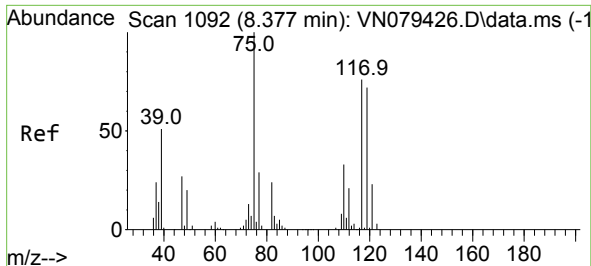
Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

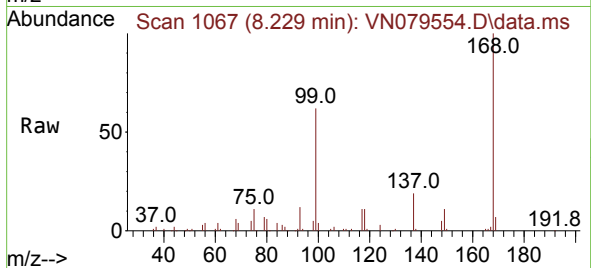
192 17.3 12.7 19.1



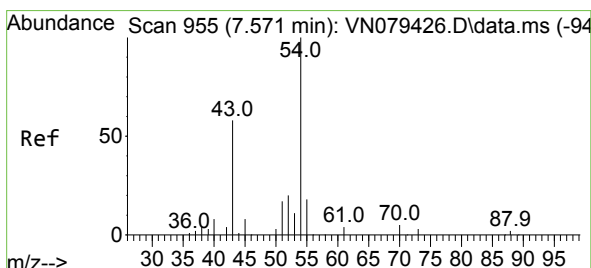
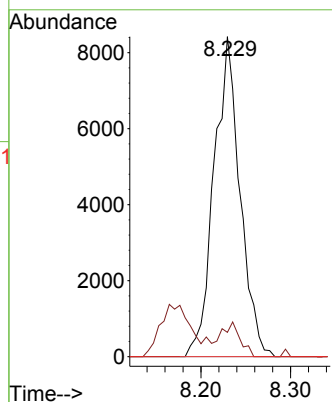
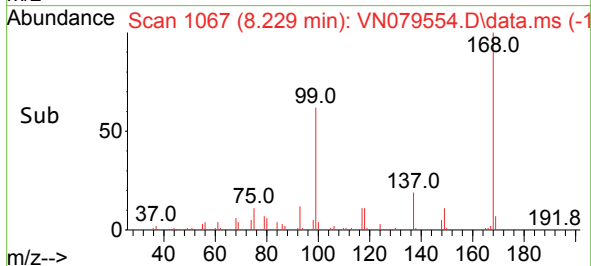


#36
1,1-Dichloropropene
Concen: 4.123 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Instrument :
MSVOA_N
ClientSampleId :

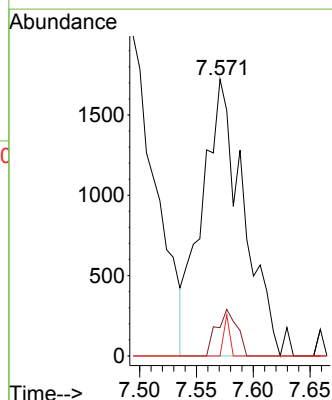
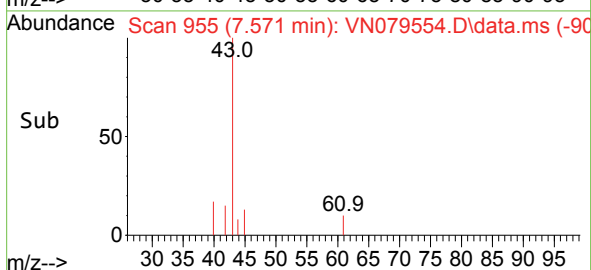
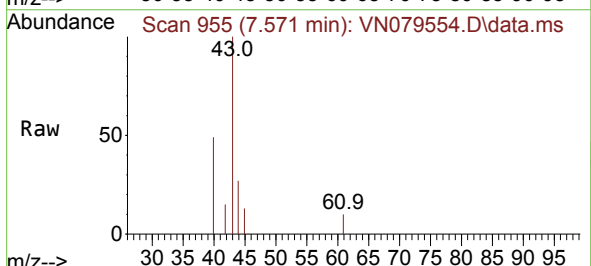


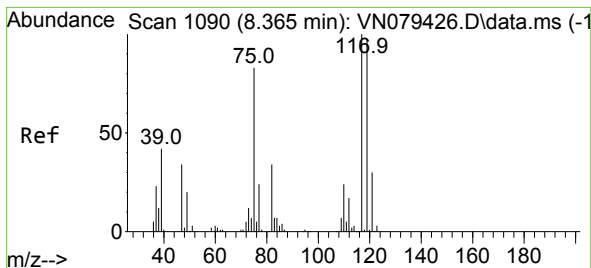
Tgt Ion: 75 Resp: 16924
Ion Ratio Lower Upper
75 100
110 8.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.066 ug/l
RT: 7.571 min Scan# 955
Delta R.T. -0.000 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Tgt Ion: 43 Resp: 4355
Ion Ratio Lower Upper
43 100
61 8.3 13.2 19.8#
70 2.1 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.618 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.135 min

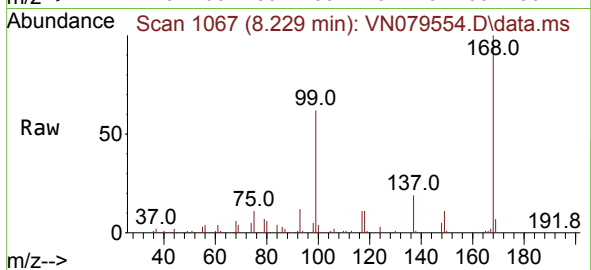
Lab File: VN079554.D

Acq: 12 Oct 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :



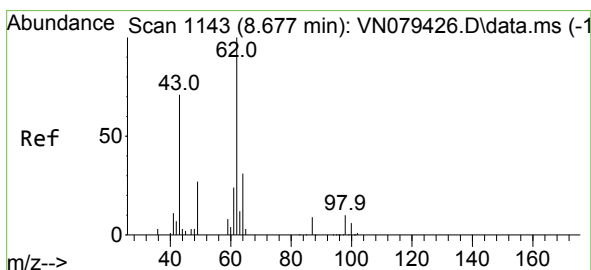
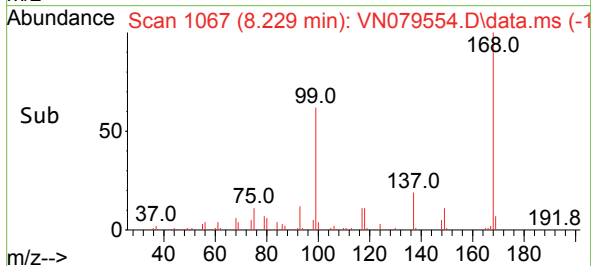
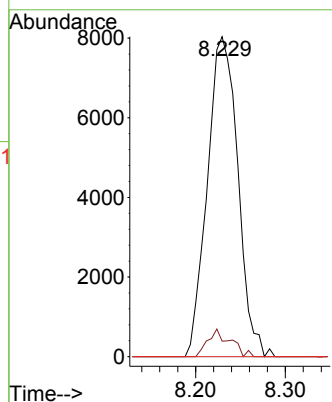
Tgt Ion:117 Resp: 18975

Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.354 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN079554.D

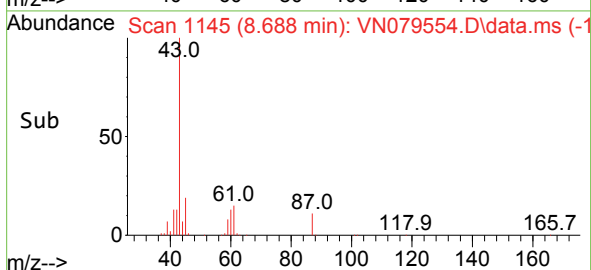
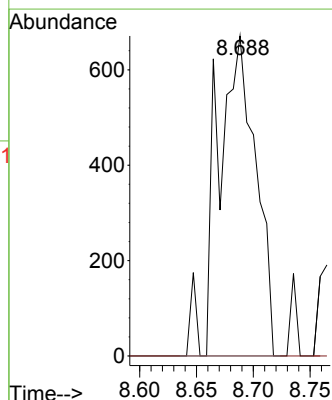
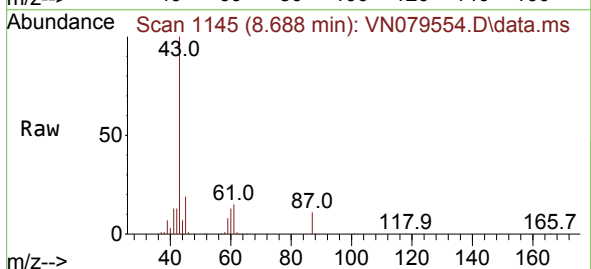
Acq: 12 Oct 2023 18:47

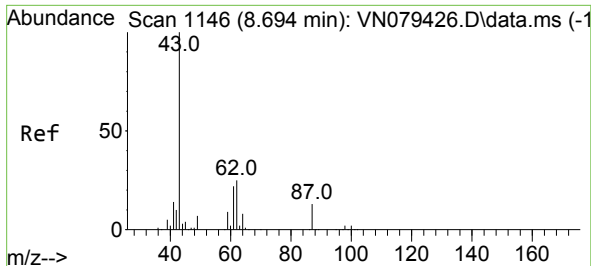
Tgt Ion: 62 Resp: 1566

Ion Ratio Lower Upper

62 100

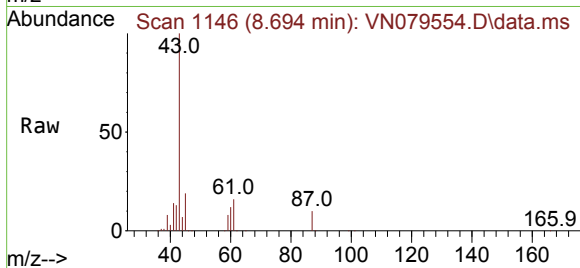
98 0.0 0.0 19.8



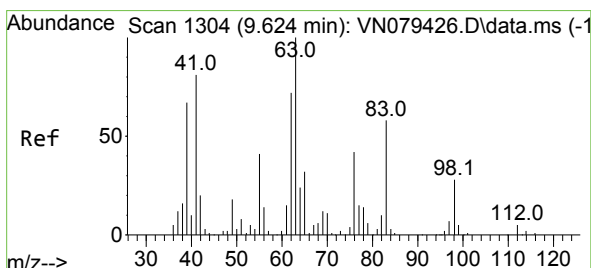
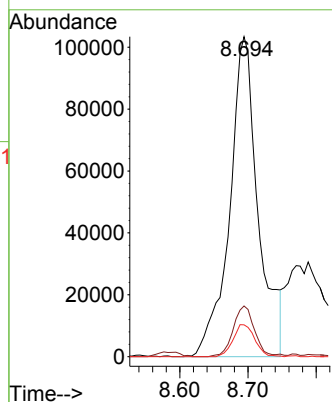
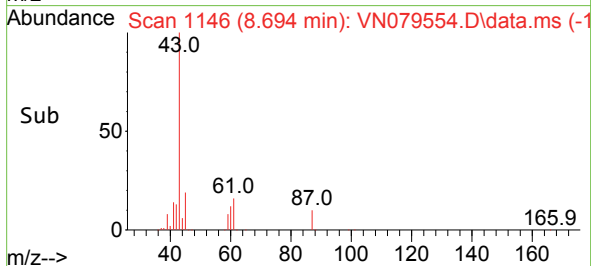


#43
Isopropyl Acetate
Concen: 42.130 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

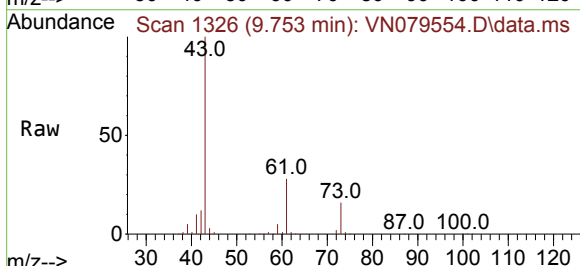
Instrument :
MSVOA_N
ClientSampleId :



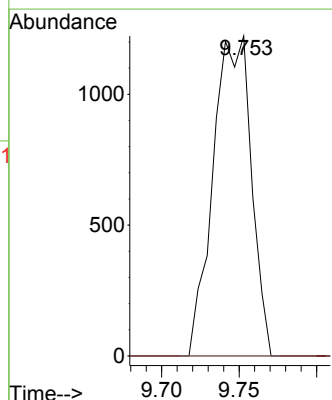
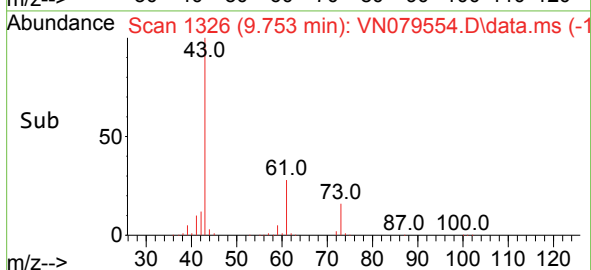
Tgt Ion: 43 Resp: 301446
Ion Ratio Lower Upper
43 100
61 12.0 24.7 37.1#
87 7.6 14.6 21.8#

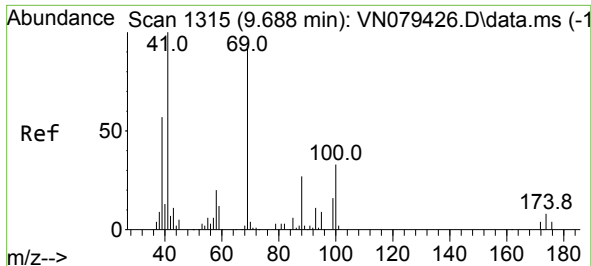


#45
1,2-Dichloropropane
Concen: 0.651 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.129 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47



Tgt Ion: 63 Resp: 2092
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

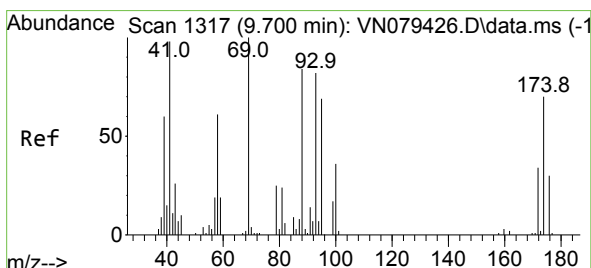
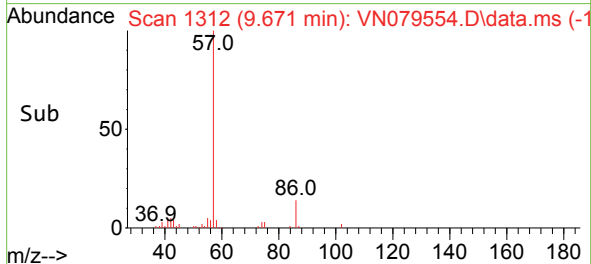
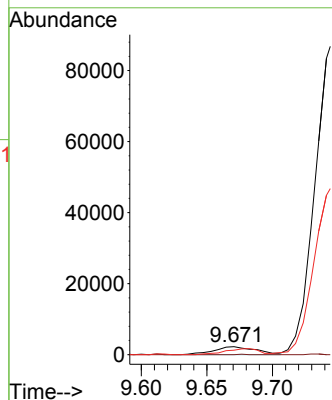
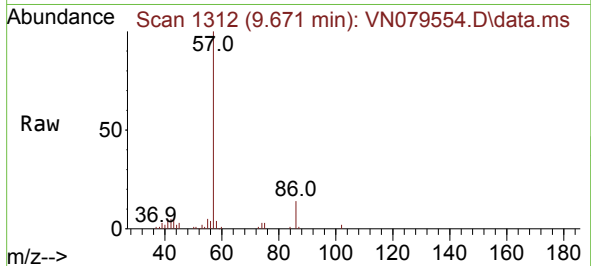




#48
Methyl methacrylate
Concen: 1.667 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

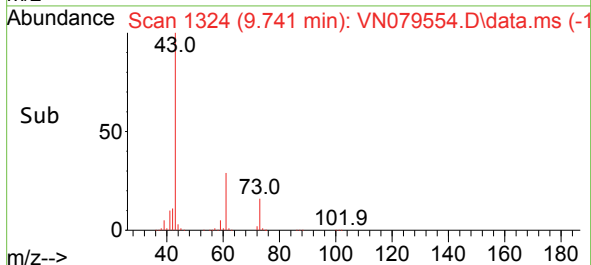
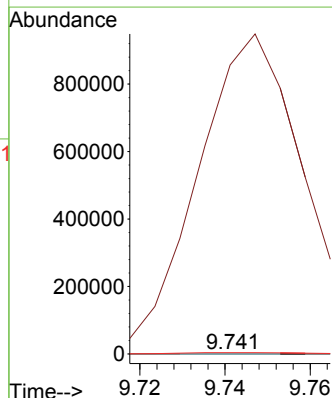
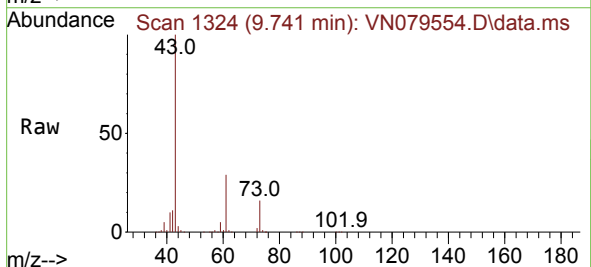
Instrument :
MSVOA_N
ClientSampleId :

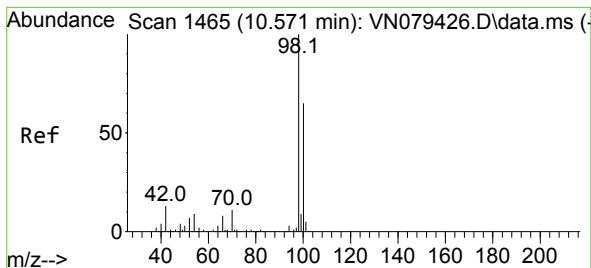
Tgt Ion: 41 Resp: 5111
Ion Ratio Lower Upper
41 100
69 1.0 90.4 135.6#
39 61.3 54.6 81.8



#49
1,4-Dioxane
Concen: 1.505 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 1993295.3 17.0 25.6#
58 9930.6 47.0 70.4#





#50

Toluene-d8

Concen: 50.616 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079554.D

Acq: 12 Oct 2023 18:47

Instrument :

MSVOA_N

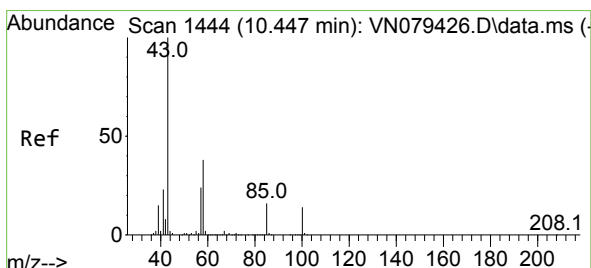
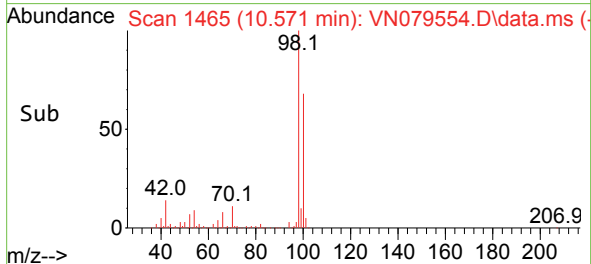
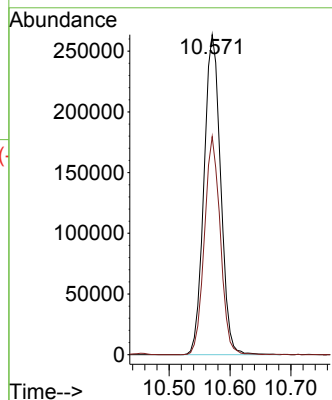
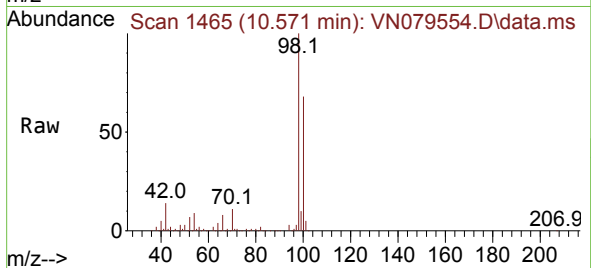
ClientSampleId :

Tgt Ion: 98 Resp: 500849

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 4.973 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN079554.D

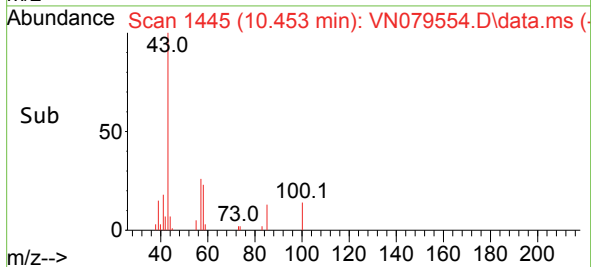
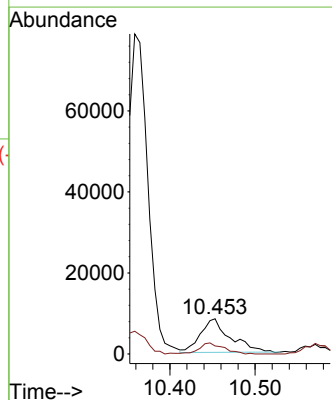
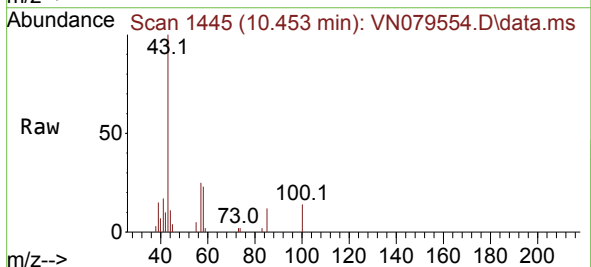
Acq: 12 Oct 2023 18:47

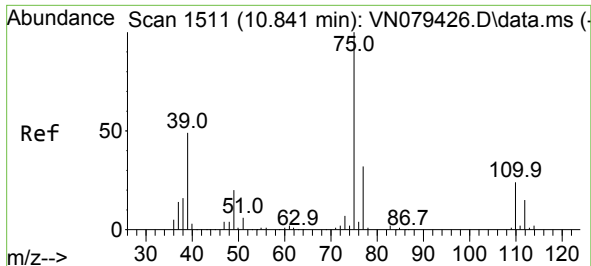
Tgt Ion: 43 Resp: 20087

Ion Ratio Lower Upper

43 100

58 26.9 36.6 54.8#

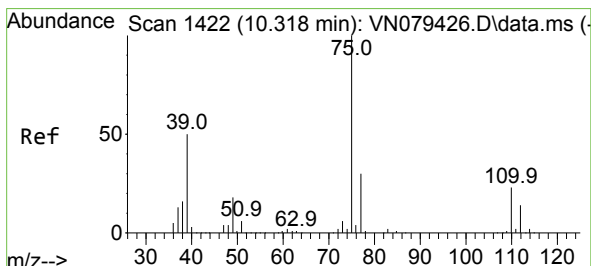
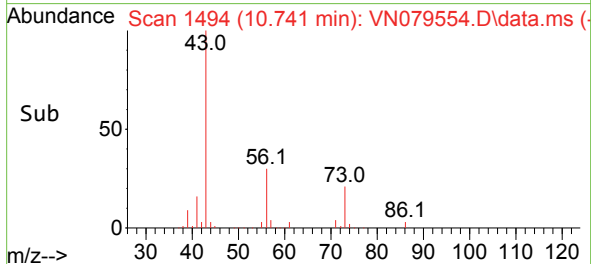
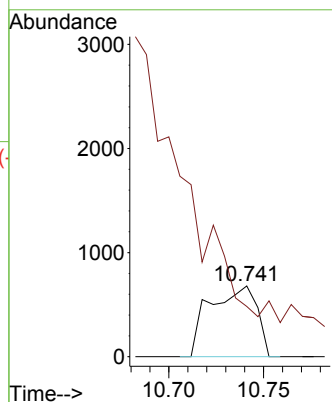
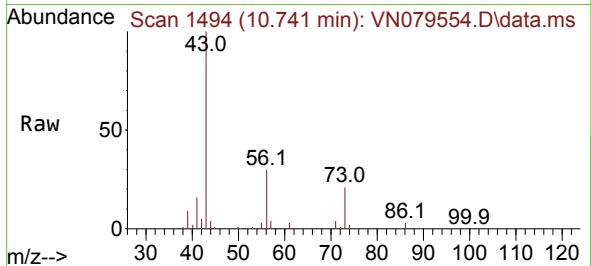




#53
 t-1,3-Dichloropropene
 Concen: 0.272 ug/l
 RT: 10.741 min Scan# 14
 Delta R.T. -0.100 min
 Lab File: VN079554.D
 Acq: 12 Oct 2023 18:47

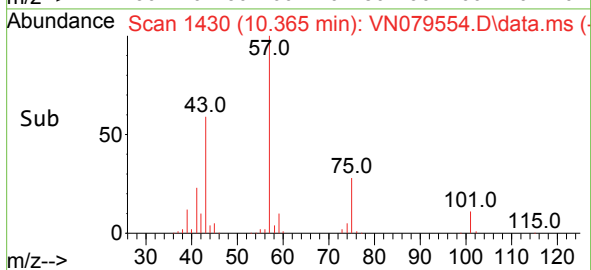
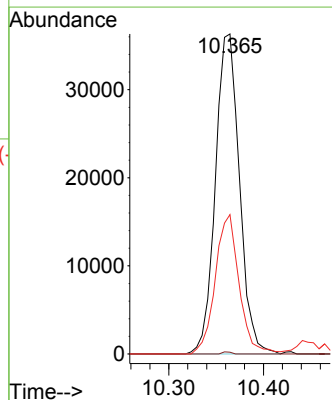
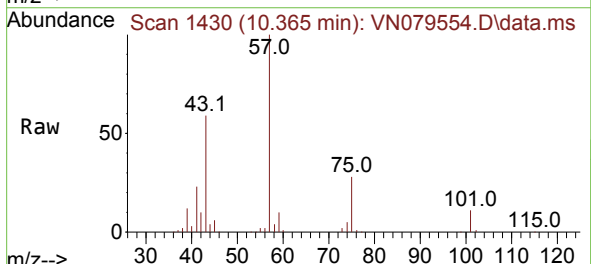
Instrument :
 MSVOA_N
 ClientSampleId :

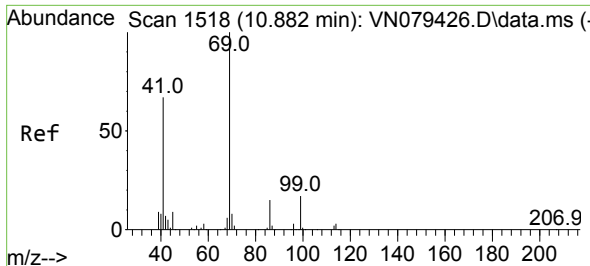
Tgt Ion: 75 Resp: 1171
 Ion Ratio Lower Upper
 75 100
 77 22.8 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.594 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079554.D
 Acq: 12 Oct 2023 18:47

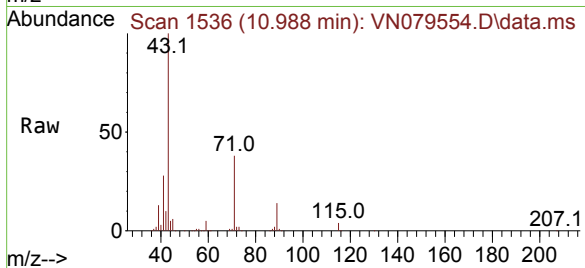
Tgt Ion: 75 Resp: 64165
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 43.6 31.6 47.4



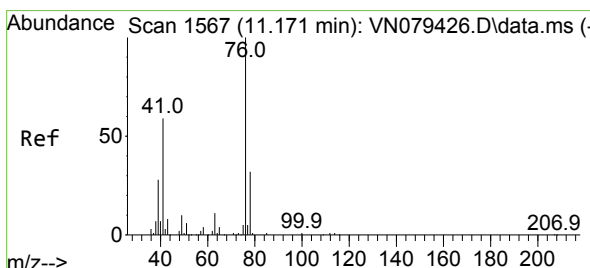
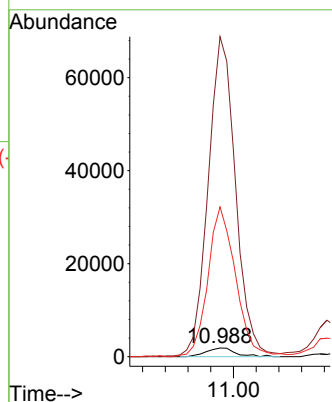
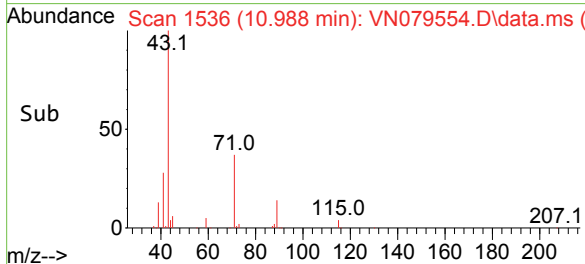


#56
Ethyl methacrylate
Concen: 0.851 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Instrument :
MSVOA_N
ClientSampleId :

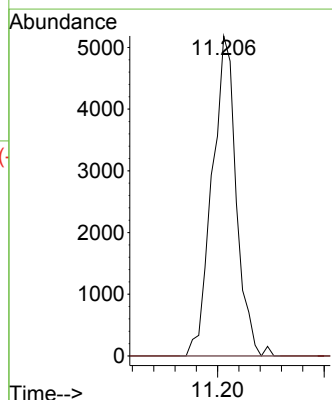
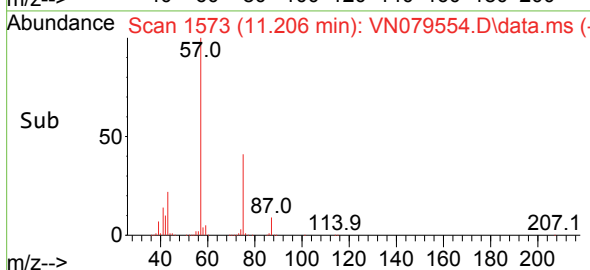
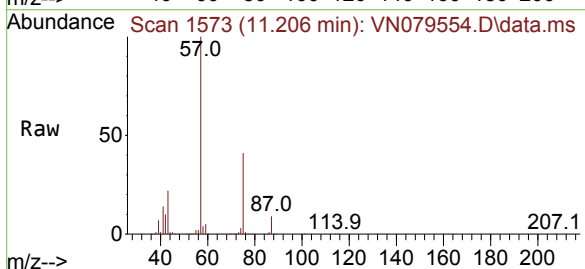


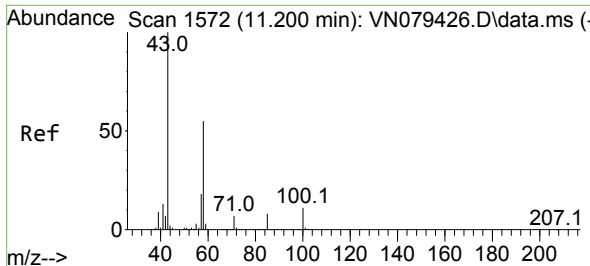
Tgt Ion: 69 Resp: 3369
Ion Ratio Lower Upper
69 100
41 3425.5 39.6 59.4#
39 1619.1 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.637 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Tgt Ion: 76 Resp: 8143
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

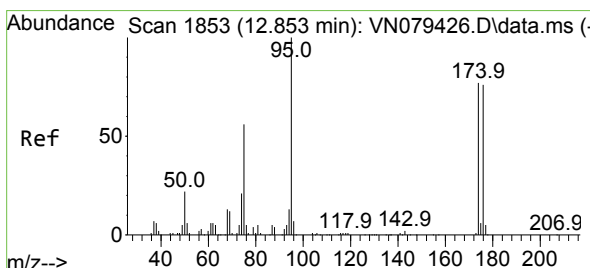
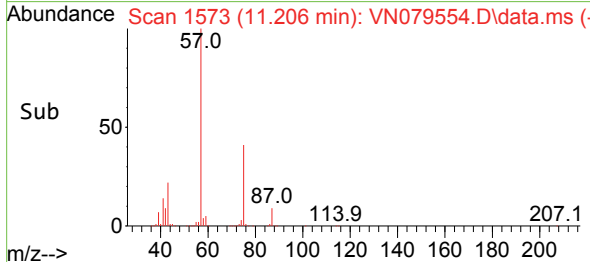
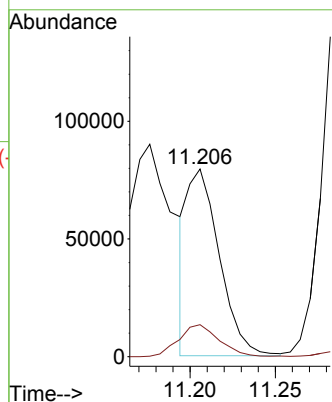
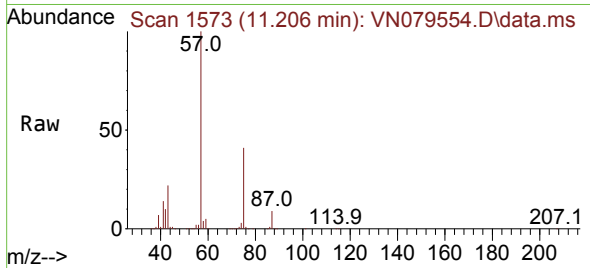




#59
2-Hexanone
Concen: 35.828 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

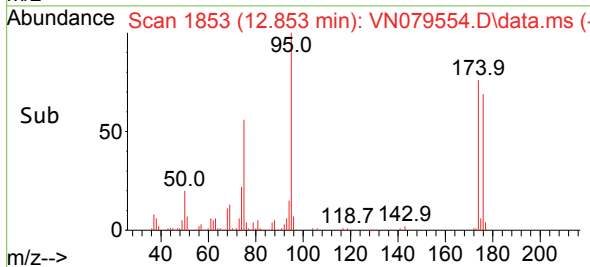
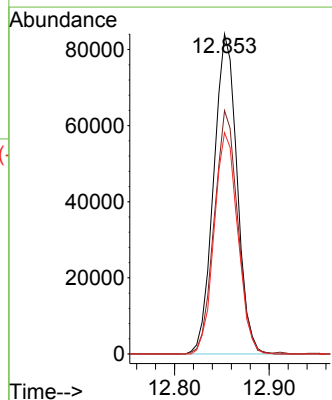
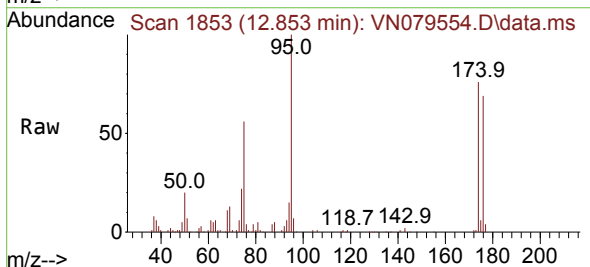
Instrument :
MSVOA_N
ClientSampleId :

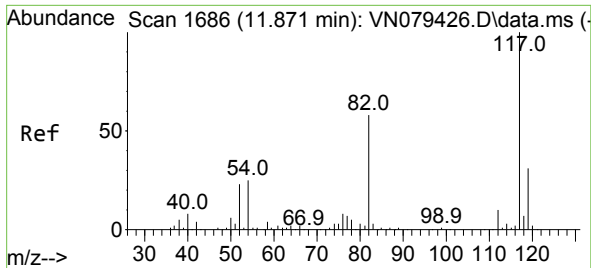
Tgt Ion: 43 Resp: 104427
Ion Ratio Lower Upper
43 100
58 21.7 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.345 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Tgt Ion: 95 Resp: 143995
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 69.8 0.0 135.8

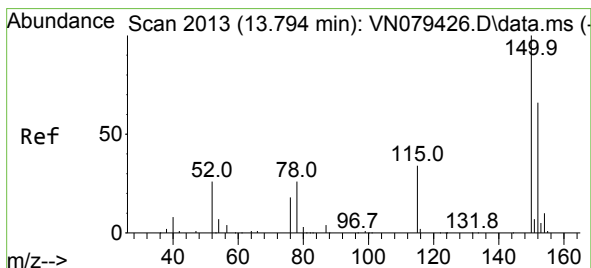
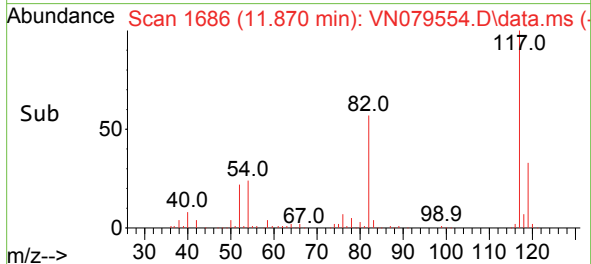
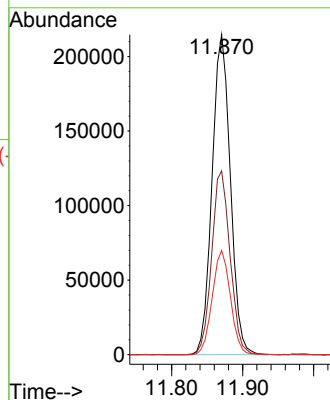
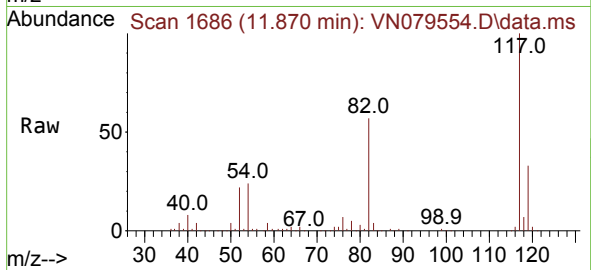




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

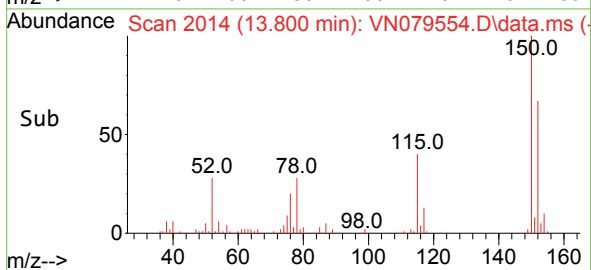
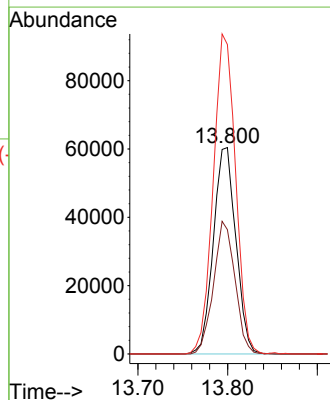
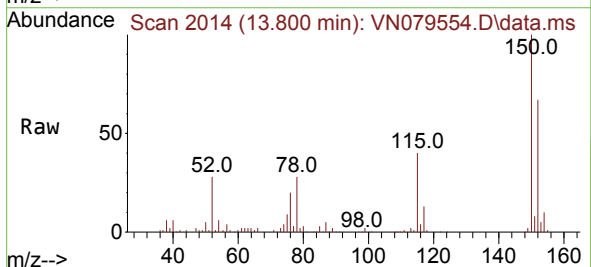
Instrument :
MSVOA_N
ClientSampleId :

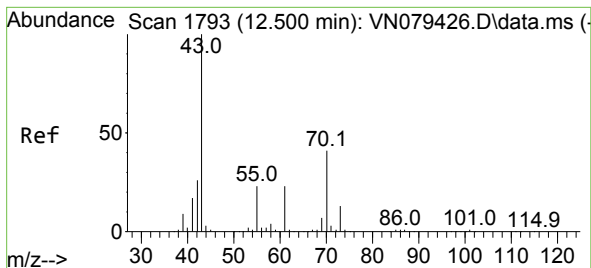
Tgt Ion:117 Resp: 383120
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079554.D
Acq: 12 Oct 2023 18:47

Tgt Ion:152 Resp: 105209
Ion Ratio Lower Upper
152 100
115 61.2 32.3 96.8
150 153.5 0.0 355.8





#74

N-amy1 acetate

Concen: 0.422 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

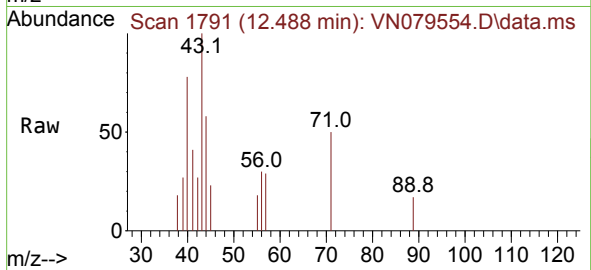
Lab File: VN079554.D

Acq: 12 Oct 2023 18:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1693

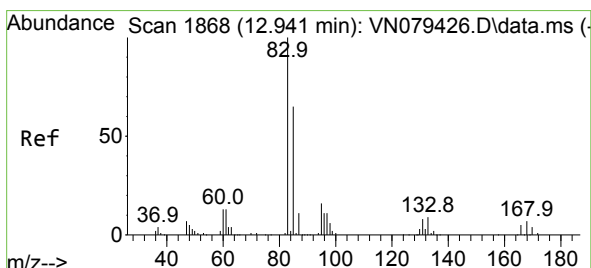
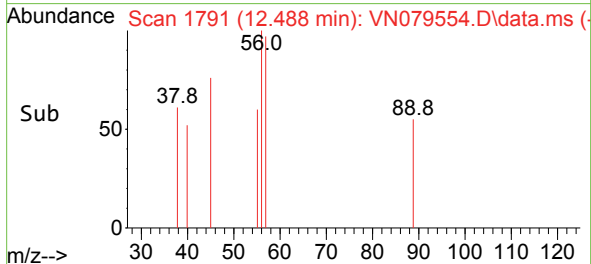
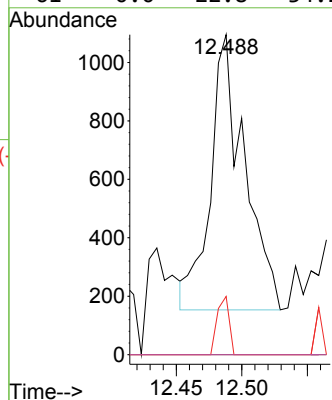
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 7.4 21.4 32.0#

61 0.0 22.8 34.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.870 min Scan# 1856

Delta R.T. -0.071 min

Lab File: VN079554.D

Acq: 12 Oct 2023 18:47

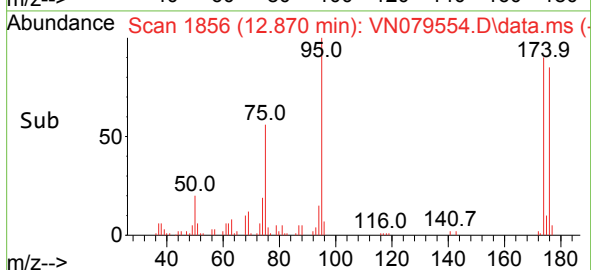
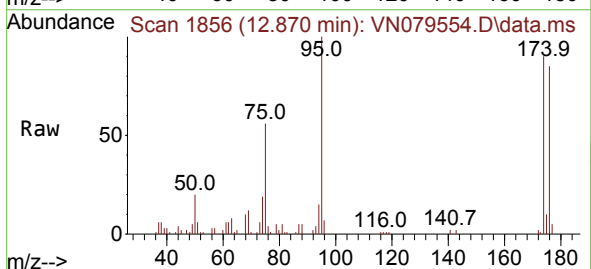
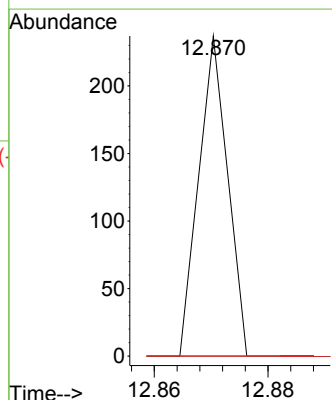
Tgt Ion: 83 Resp: 84

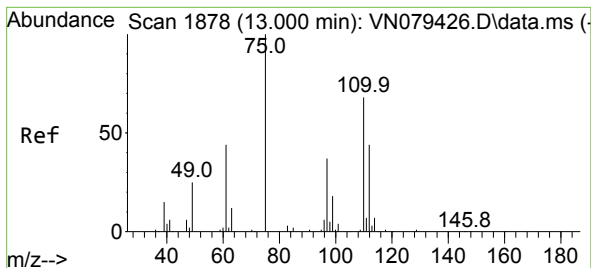
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 26.473 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079554.D

Acq: 12 Oct 2023 18:47

Instrument :

MSVOA_N

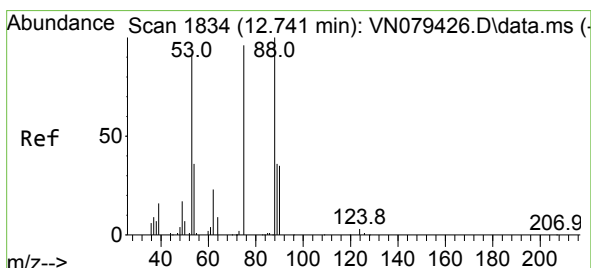
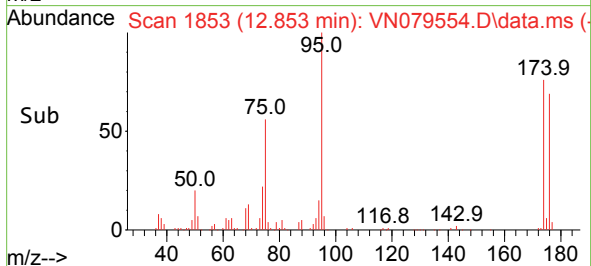
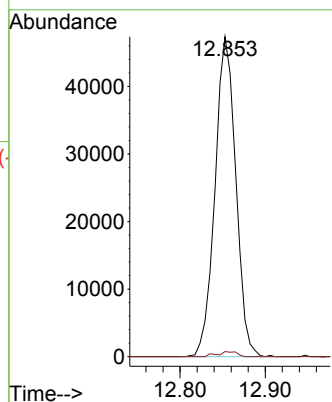
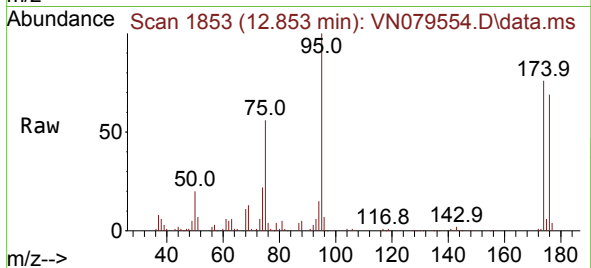
ClientSampleId :

Tgt Ion: 75 Resp: 80305

Ion Ratio Lower Upper

75 100

77 1.5 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.813 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079554.D

Acq: 12 Oct 2023 18:47

Tgt Ion: 75 Resp: 80305

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

