

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
 Data File : VN079446.D
 Acq On : 06 Oct 2023 14:42
 Operator : JC\MD
 Sample : PB156147ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 06 23:03:50 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)

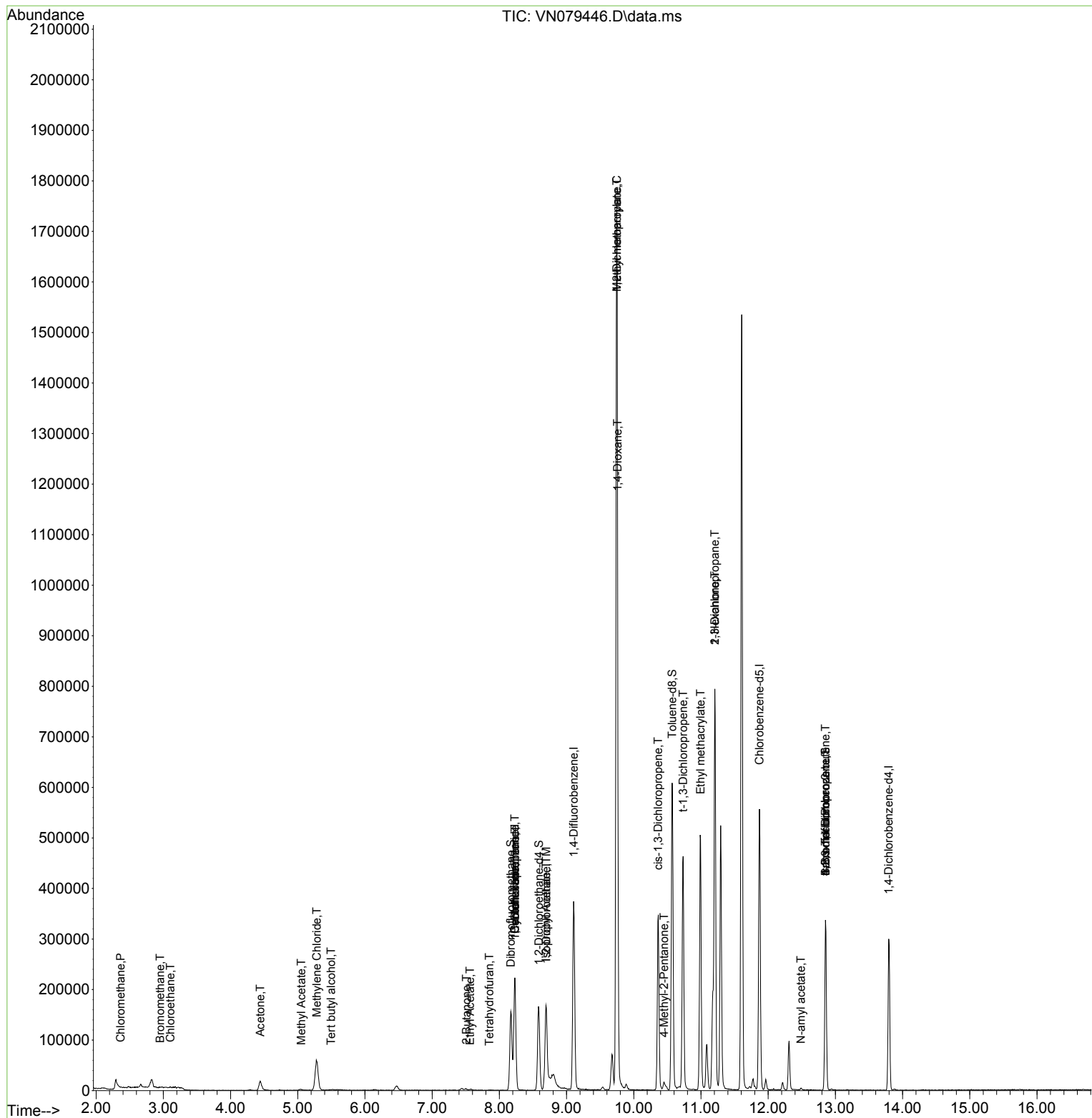
Internal Standards						
1) Pentafluorobenzene	8.230	168	151143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	309120	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	309370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	77006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	133327	54.404	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.800%	
35) Dibromofluoromethane	8.171	113	110291	49.648	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.300%	
50) Toluene-d8	10.571	98	414757	51.600	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.200%	
62) 4-Bromofluorobenzene	12.853	95	109257	42.356	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 84.720%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	799	0.296	ug/l	96
5) Bromomethane	2.954	94	475	0.282	ug/l #	46
6) Chloroethane	3.106	64	891	0.420	ug/l #	43
11) Tert butyl alcohol	5.495	59	243	0.659	ug/l #	72
16) Acetone	4.442	43	32942	33.890	ug/l	94
18) Methyl Acetate	5.053	43	4175	0.878	ug/l #	79
20) Methylene Chloride	5.283	84	44598	20.598	ug/l #	82
25) 2-Butanone	7.512	43	5102	3.536	ug/l #	69
29) Tetrahydrofuran	7.853	42	371	0.398	ug/l #	20
31) Cyclohexane	8.230	56	4390	1.263	ug/l #	40
36) 1,1-Dichloropropene	8.236	75	14398	4.318	ug/l #	48
37) Ethyl Acetate	7.565	43	3762	1.134	ug/l #	72
38) Carbon Tetrachloride	8.230	117	16414	4.918	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	1015	0.282	ug/l #	73
43) Isopropyl Acetate	8.694	43	204659	35.212	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	2508	0.961	ug/l #	45
48) Methyl methacrylate	9.747	41	160560	64.466	ug/l #	29
49) 1,4-Dioxane	9.759	88	67	1.460	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	16829	5.129	ug/l #	60
53) t-1,3-Dichloropropene	10.735	75	968	0.276	ug/l #	74
54) cis-1,3-Dichloropropene	10.365	75	57910	15.103	ug/l #	71
56) Ethyl methacrylate	10.994	69	2854	0.888	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7643	1.892	ug/l #	42
59) 2-Hexanone	11.206	43	100804	42.577	ug/l #	48
71) Bromoform	12.853	173	997	0.540	ug/l #	1
74) N-amyl acetate	12.488	43	1533	0.522	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	60590	27.289	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	60590	79.181	ug/l #	15

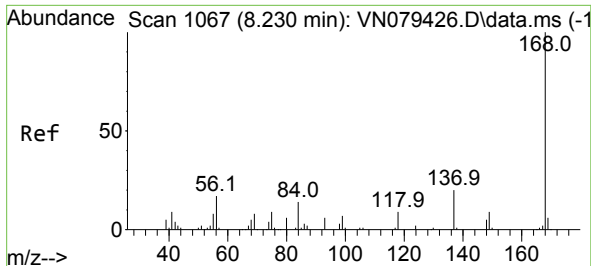
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
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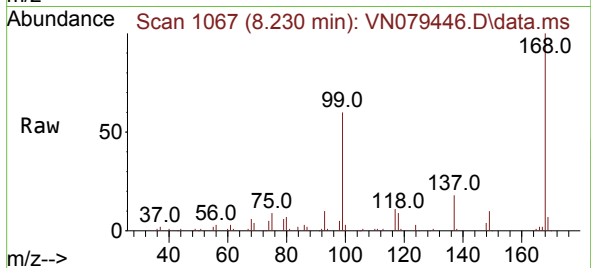
Quant Time: Oct 06 23:03:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



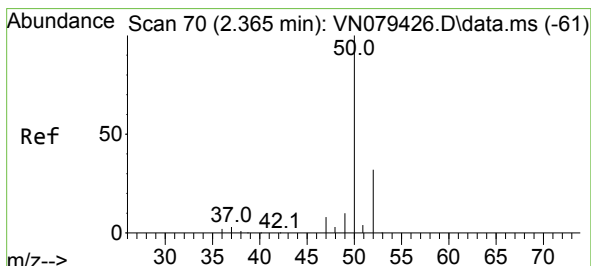
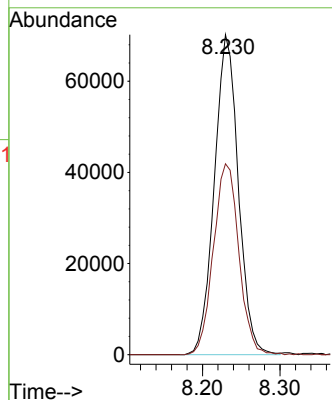
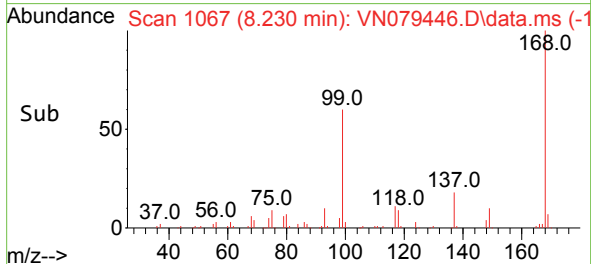


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

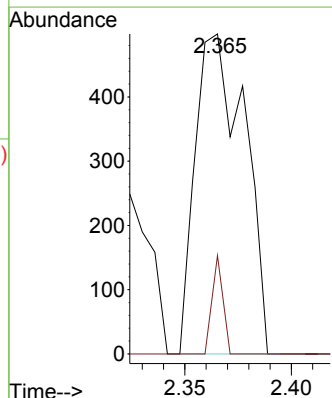
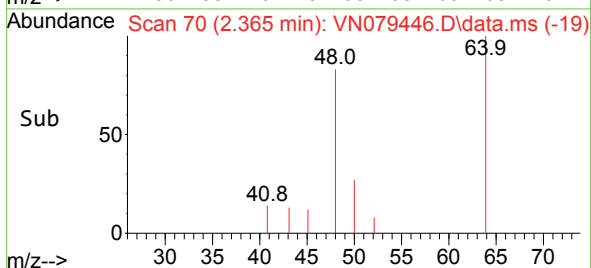
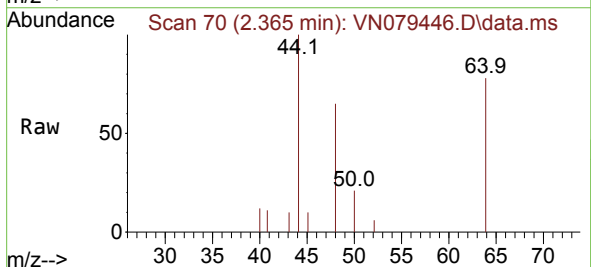


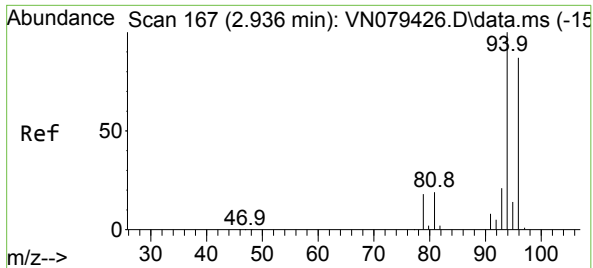
Tgt Ion:168 Resp: 151143
Ion Ratio Lower Upper
168 100
99 59.6 53.0 79.6



#3
Chloromethane
Concen: 0.296 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

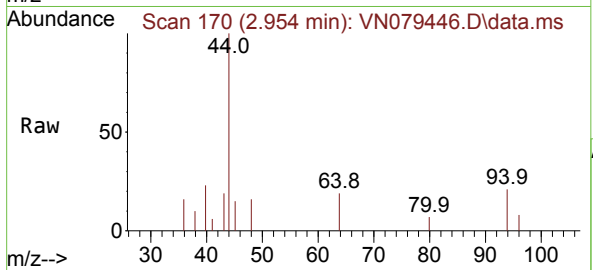
Tgt Ion: 50 Resp: 799
Ion Ratio Lower Upper
50 100
52 30.7 26.5 39.7



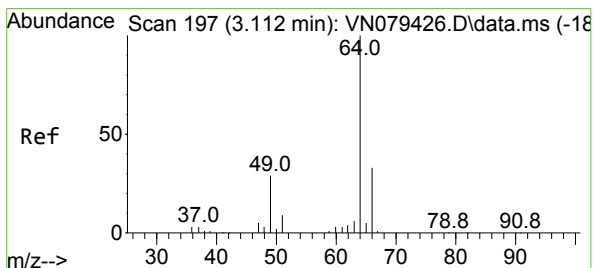
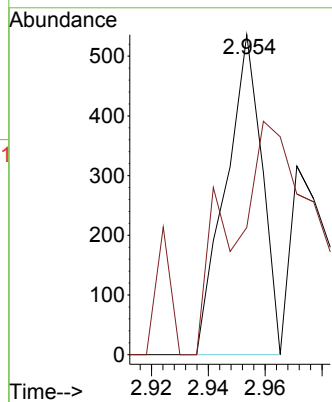
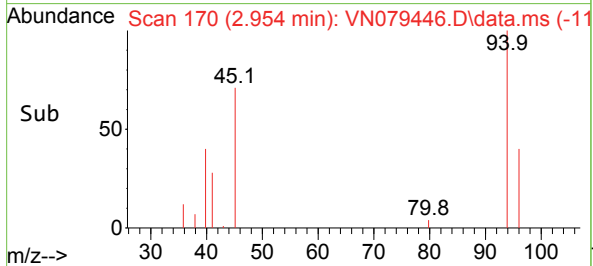


#5
Bromomethane
Concen: 0.282 ug/l
RT: 2.954 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

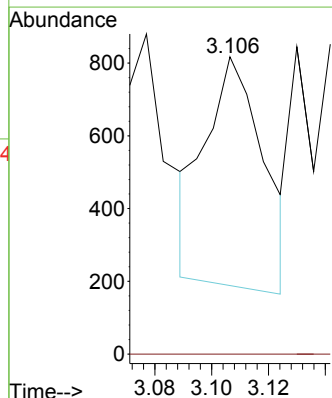
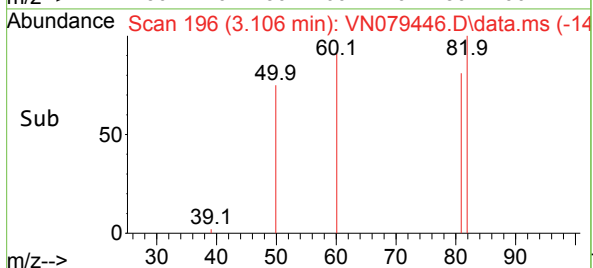
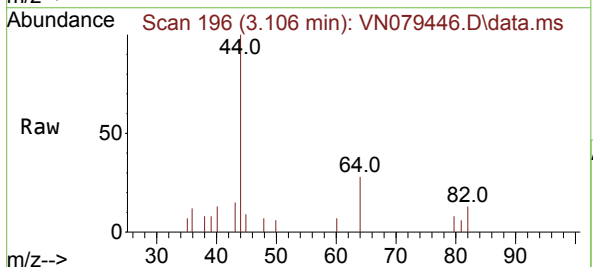


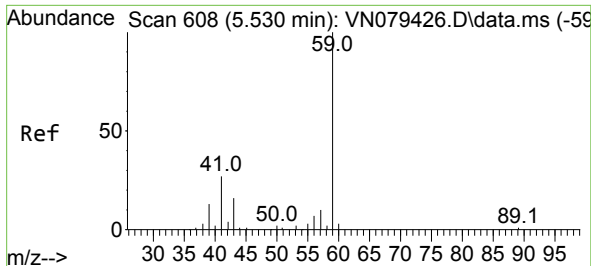
Tgt Ion: 94 Resp: 475
Ion Ratio Lower Upper
94 100
96 39.7 73.1 109.7#



#6
Chloroethane
Concen: 0.420 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

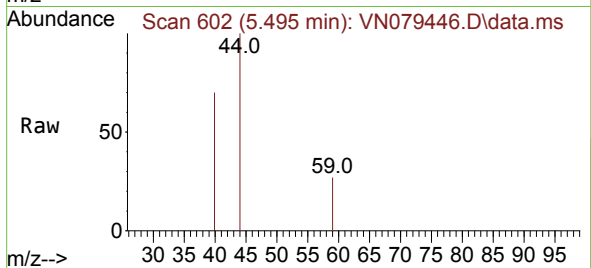
Tgt Ion: 64 Resp: 891
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



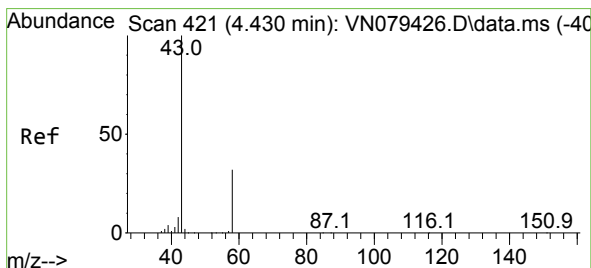
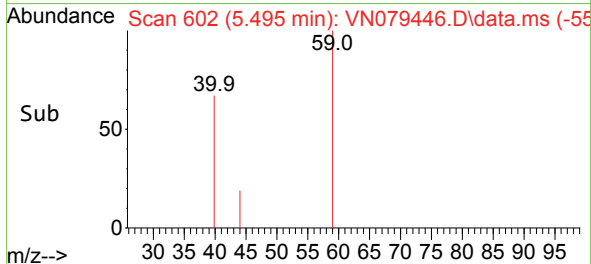
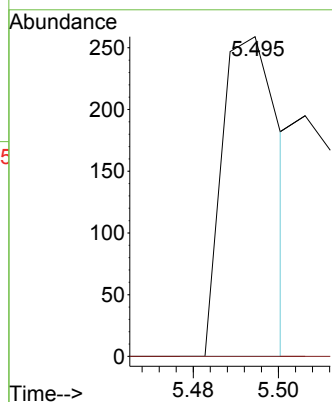


#11
Tert butyl alcohol
Concen: 0.659 ug/l
RT: 5.495 min Scan# 608
Delta R.T. -0.035 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

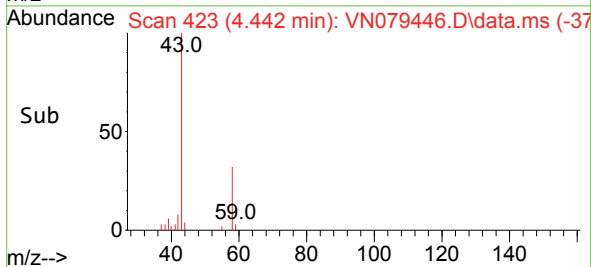
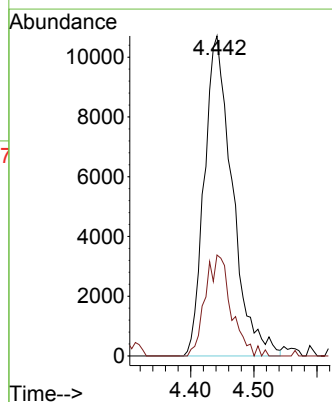
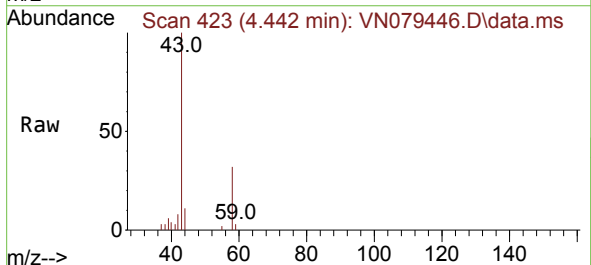


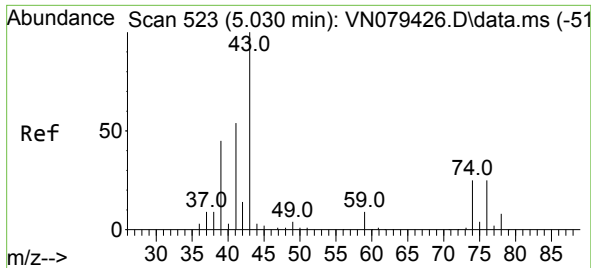
Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 33.890 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Tgt Ion: 43 Resp: 32942
Ion Ratio Lower Upper
43 100
58 31.6 28.0 42.0

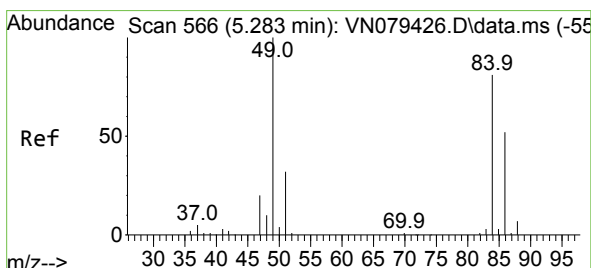
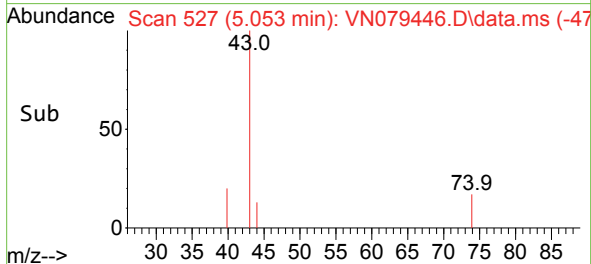
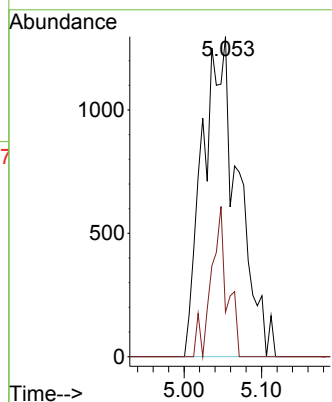
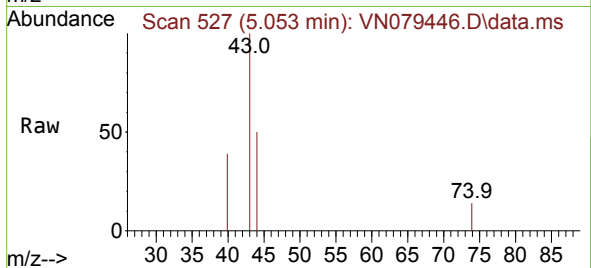




#18
Methyl Acetate
Concen: 0.878 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

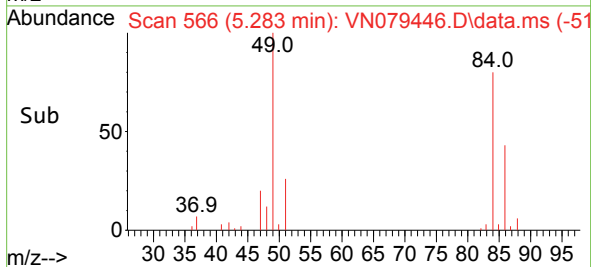
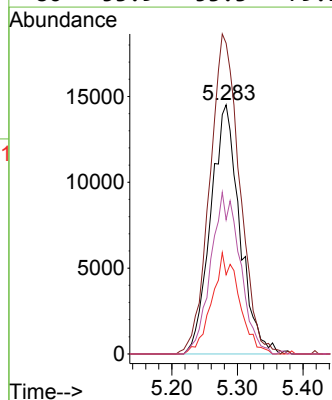
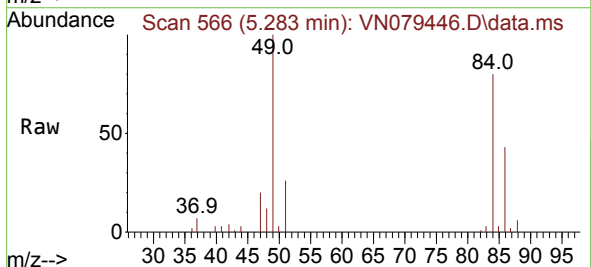
Instrument :
MSVOA_N
ClientSampleId :

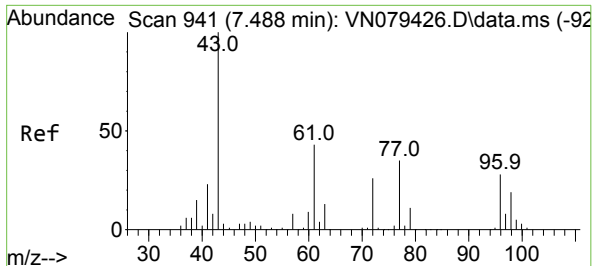
Tgt Ion: 43 Resp: 4175
Ion Ratio Lower Upper
43 100
74 20.8 26.2 39.4#



#20
Methylene Chloride
Concen: 20.598 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Tgt Ion: 84 Resp: 44598
Ion Ratio Lower Upper
84 100
49 123.6 79.7 119.5#
51 31.8 25.2 37.8
86 53.9 53.3 79.9

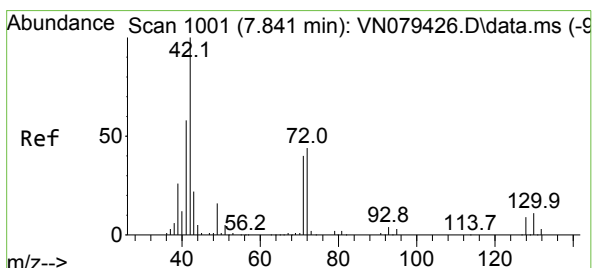
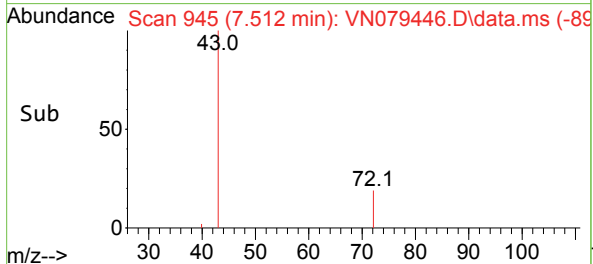
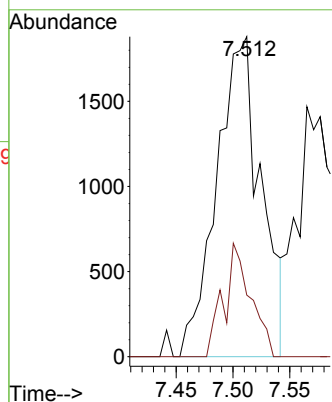
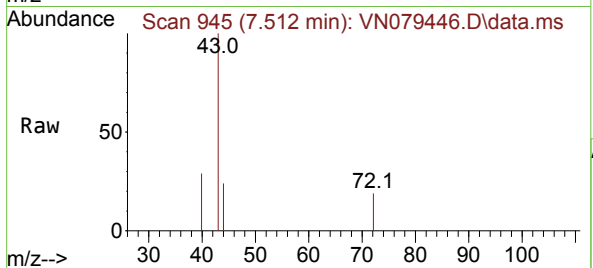




#25
2-Butanone
Concen: 3.536 ug/l
RT: 7.512 min Scan# 941
Delta R.T. 0.024 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

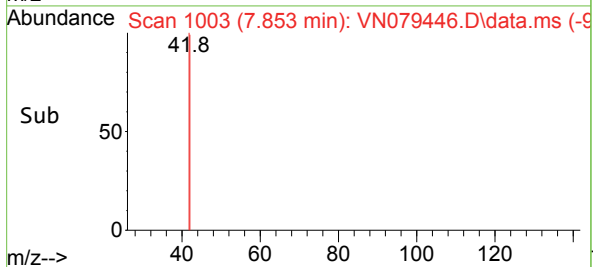
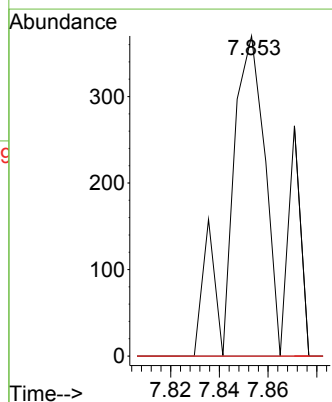
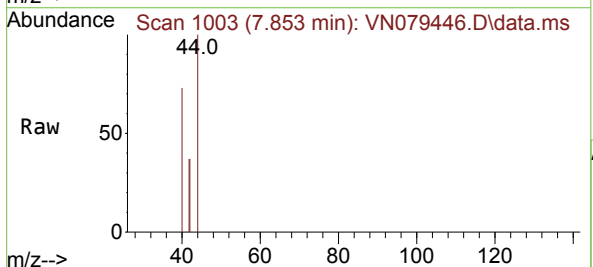
Instrument :
MSVOA_N
ClientSampleId :

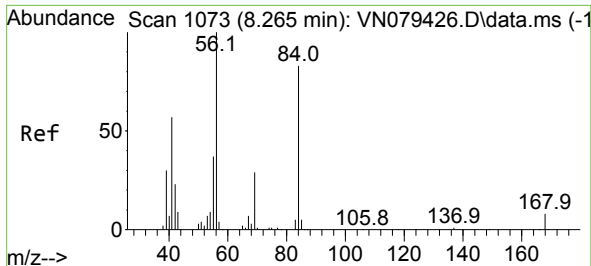
Tgt Ion: 43 Resp: 5102
Ion Ratio Lower Upper
43 100
72 19.3 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.398 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

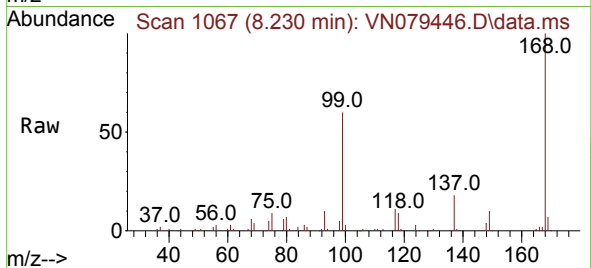
Tgt Ion: 42 Resp: 371
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



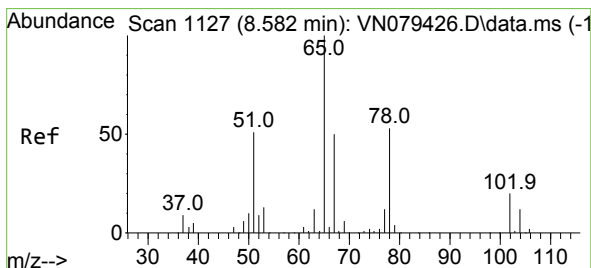
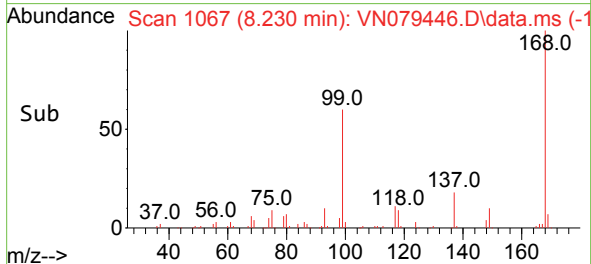
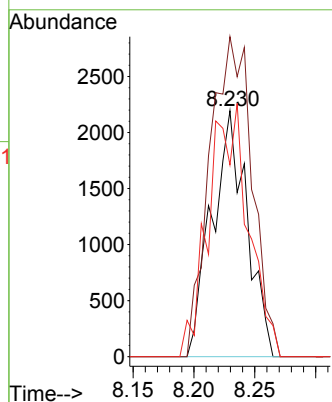


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

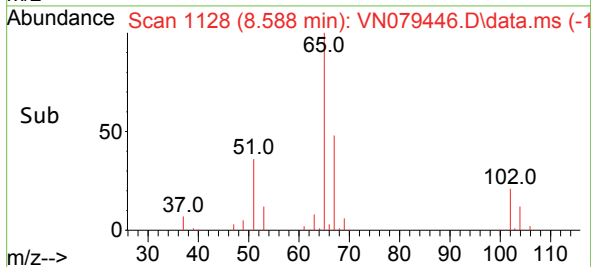
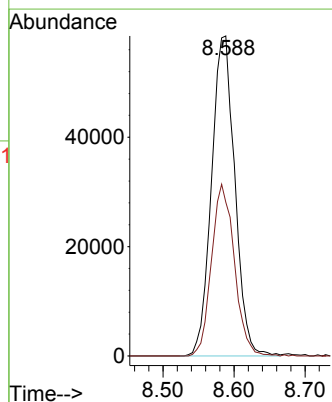
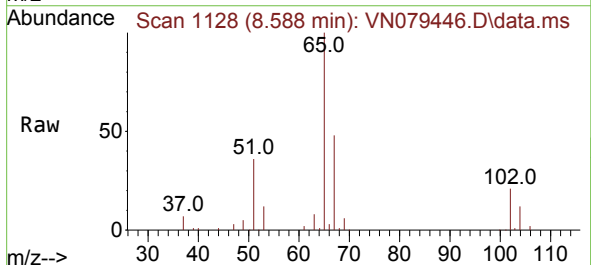


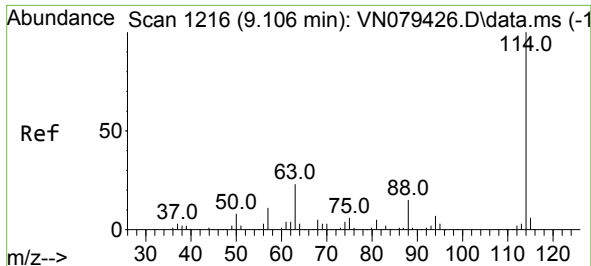
Tgt Ion: 56 Resp: 4390
Ion Ratio Lower Upper
56 100
69 130.1 26.8 40.2#
84 78.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 54.404 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Tgt Ion: 65 Resp: 133327
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# 11

Delta R.T. 0.000 min

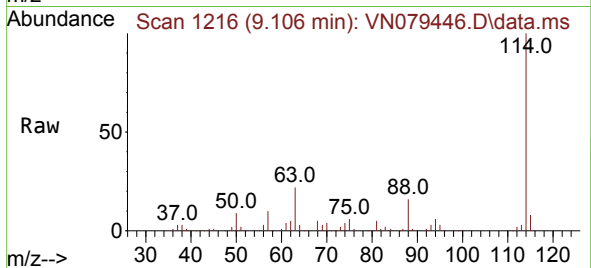
Lab File: VN079446.D

Acq: 06 Oct 2023 14:42

Instrument :

MSVOA_N

ClientSampleId :



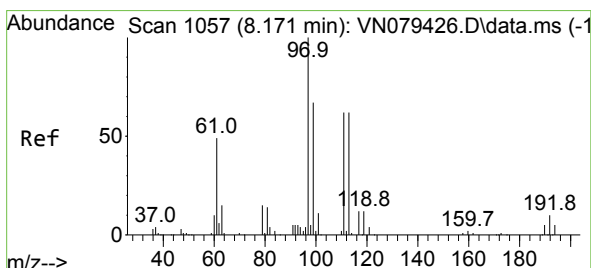
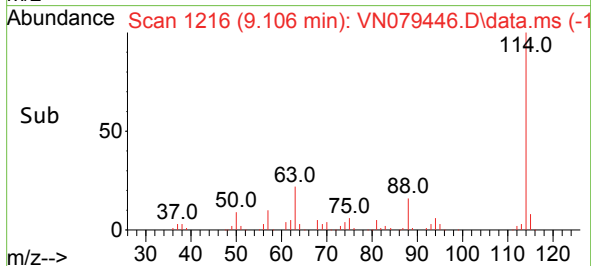
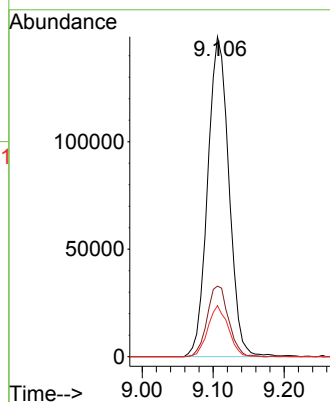
Tgt Ion:114 Resp: 309120

Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.648 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079446.D

Acq: 06 Oct 2023 14:42

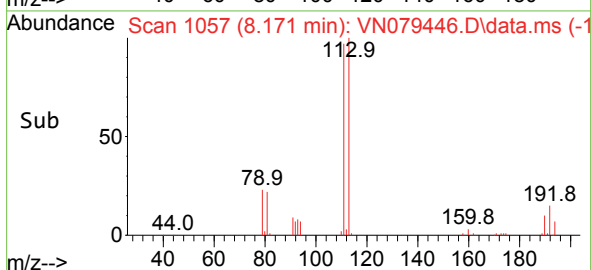
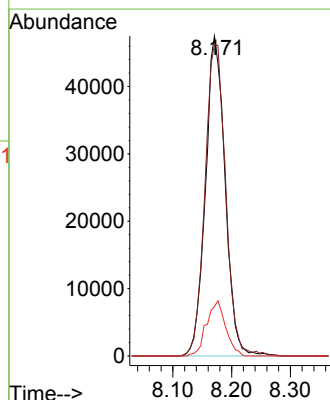
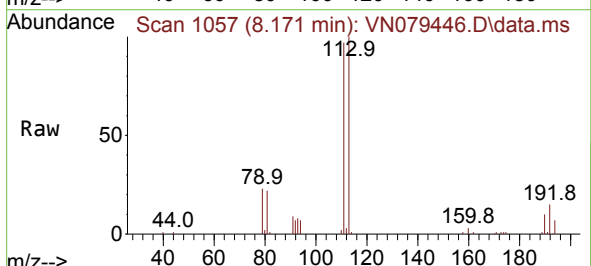
Tgt Ion:113 Resp: 110291

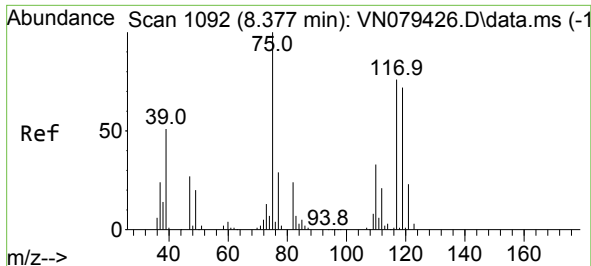
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 16.8 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.318 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

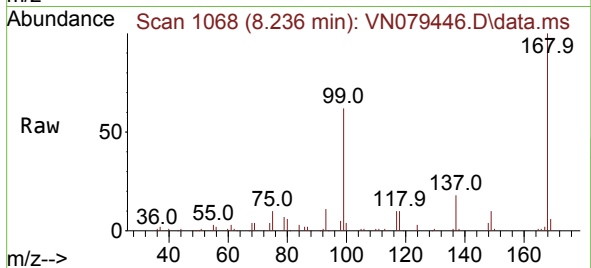
Lab File: VN079446.D

Acq: 06 Oct 2023 14:42

Instrument :

MSVOA_N

ClientSampleId :



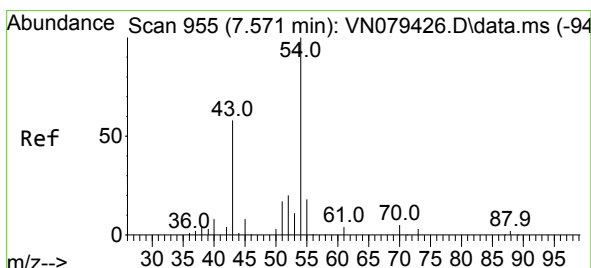
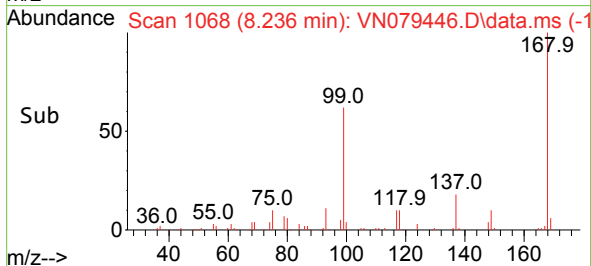
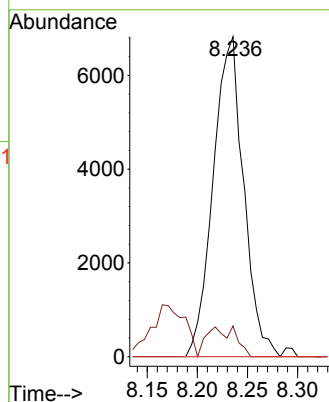
Tgt Ion: 75 Resp: 14398

Ion Ratio Lower Upper

75 100

110 8.8 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.134 ug/l

RT: 7.565 min Scan# 954

Delta R.T. -0.006 min

Lab File: VN079446.D

Acq: 06 Oct 2023 14:42

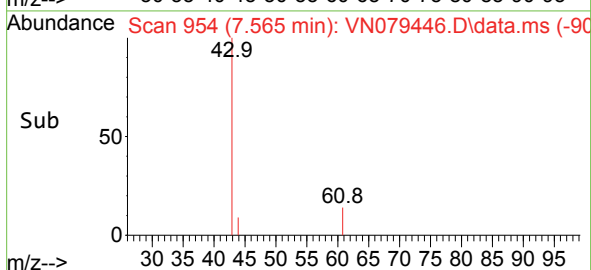
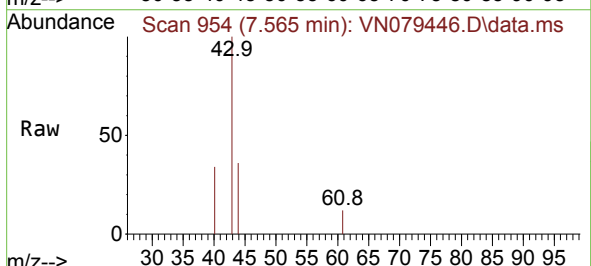
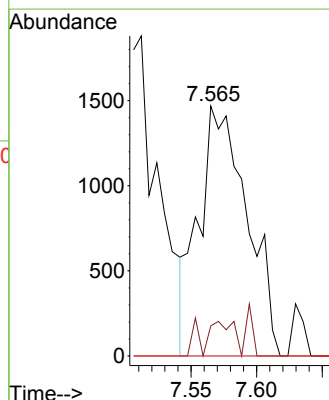
Tgt Ion: 43 Resp: 3762

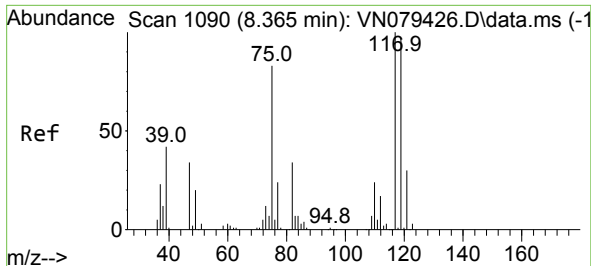
Ion Ratio Lower Upper

43 100

61 6.9 13.2 19.8#

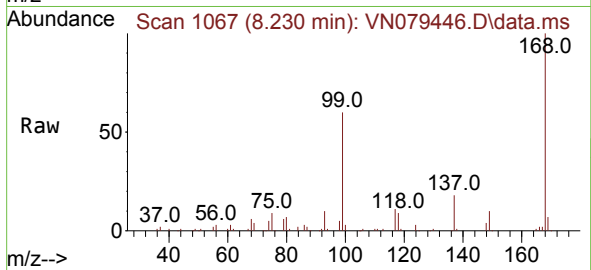
70 0.0 11.3 16.9#



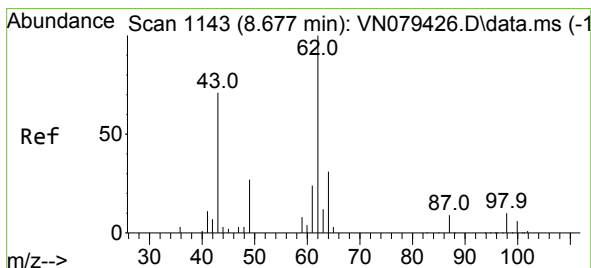
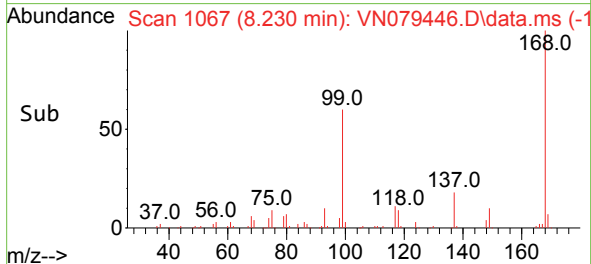
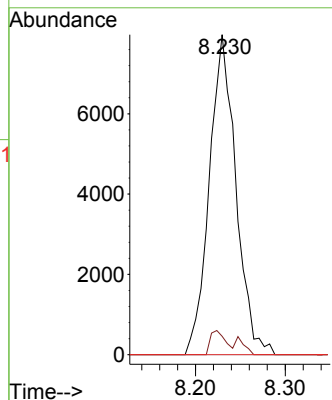


#38
Carbon Tetrachloride
Concen: 4.918 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

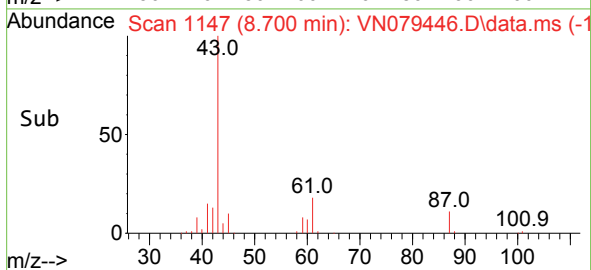
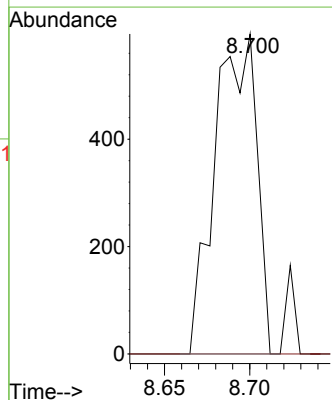
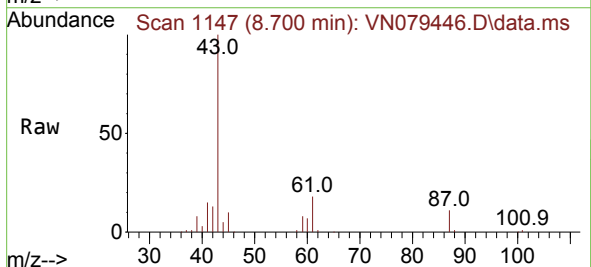


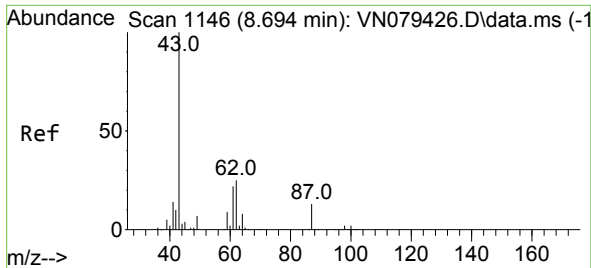
Tgt Ion:117 Resp: 16414
Ion Ratio Lower Upper
117 100
119 5.8 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.282 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.024 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

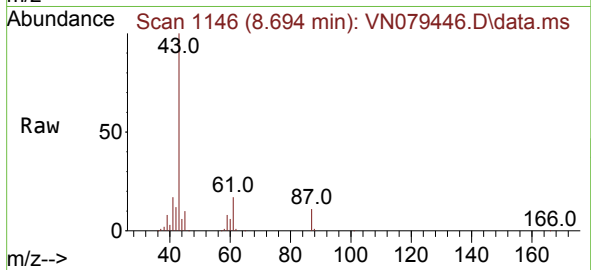
Tgt Ion: 62 Resp: 1015
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8



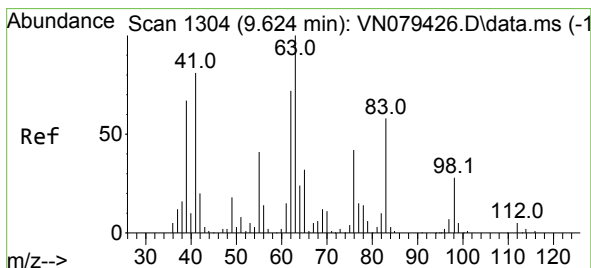
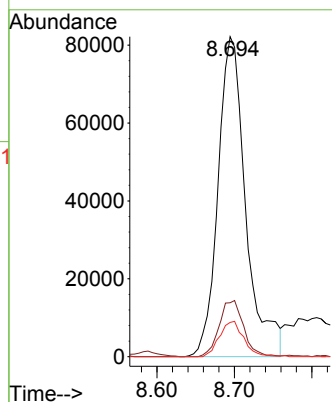
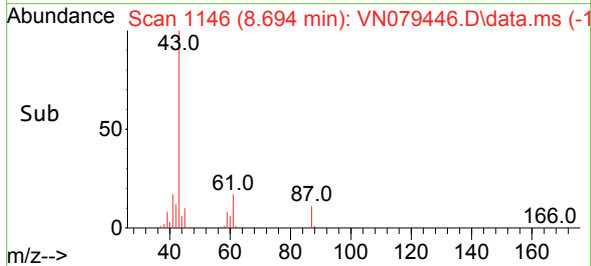


#43
Isopropyl Acetate
Concen: 35.212 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

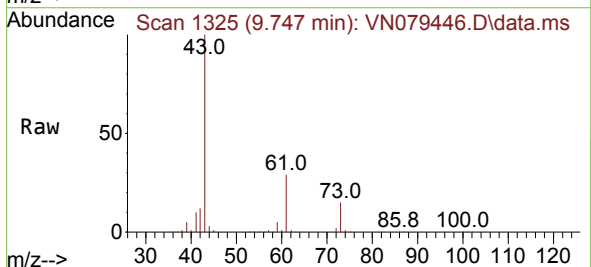
Instrument :
MSVOA_N
ClientSampleId :



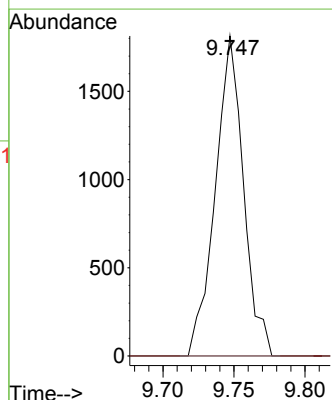
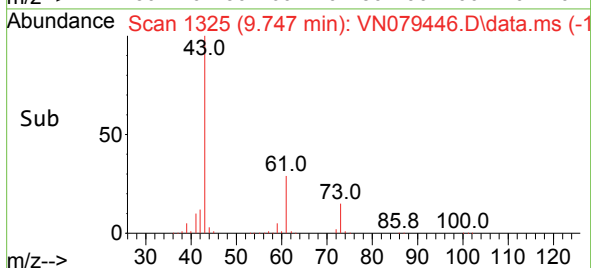
Tgt Ion: 43 Resp: 204659
Ion Ratio Lower Upper
43 100
61 15.5 24.7 37.1#
87 9.7 14.6 21.8#

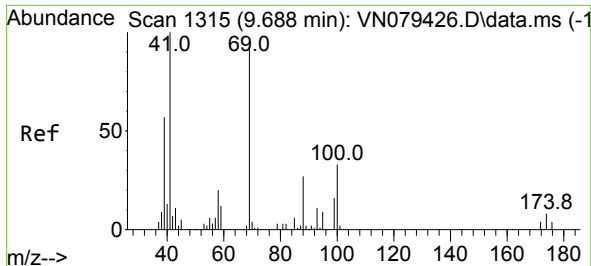


#45
1,2-Dichloropropane
Concen: 0.961 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42



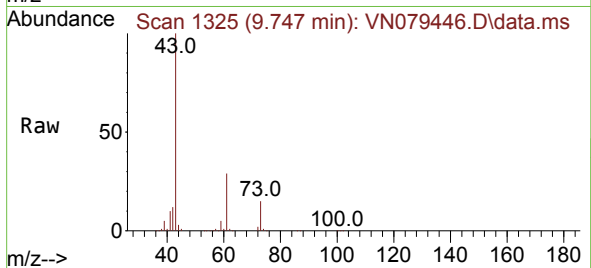
Tgt Ion: 63 Resp: 2508
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



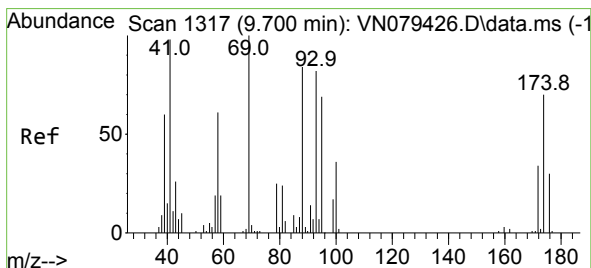
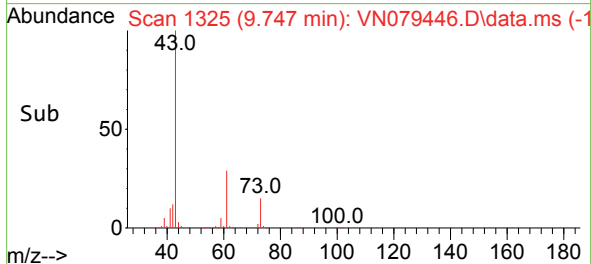
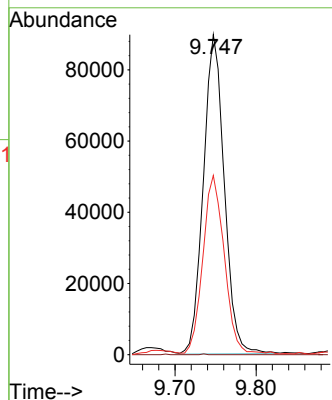


#48
Methyl methacrylate
Concen: 64.466 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

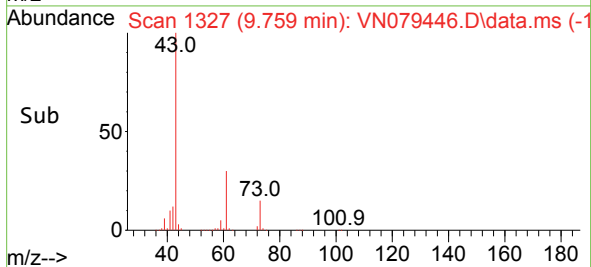
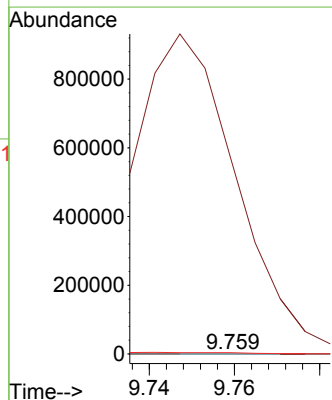
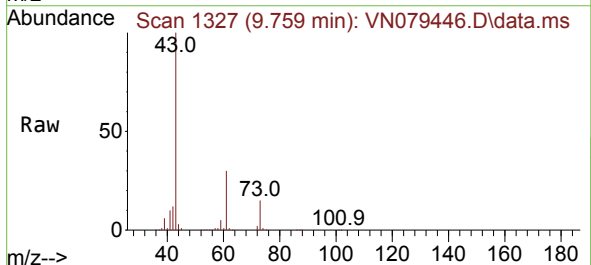


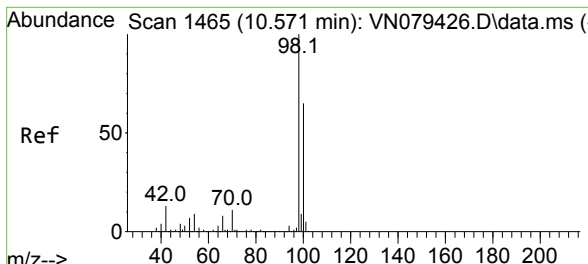
Tgt Ion: 41 Resp: 160560
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 57.3 54.6 81.8



#49
1,4-Dioxane
Concen: 1.460 ug/l
RT: 9.759 min Scan# 1327
Delta R.T. 0.059 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 2482932.8 17.0 25.6#
58 15032.8 47.0 70.4#

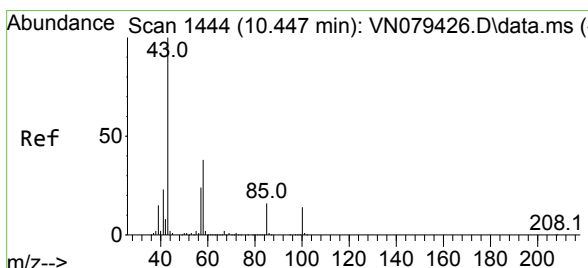
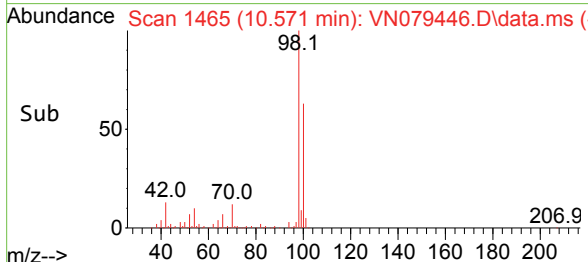
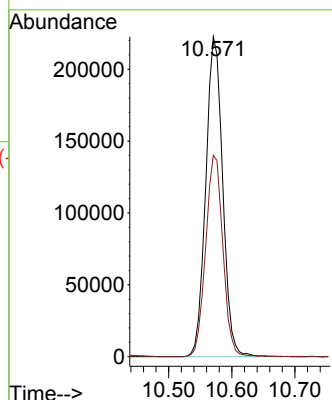
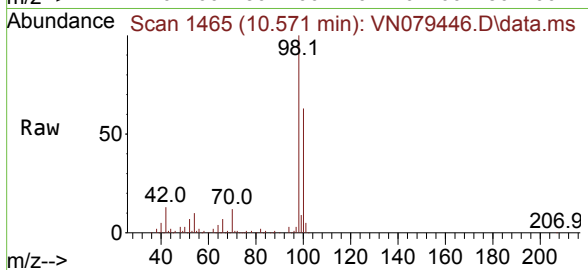




#50
Toluene-d8
Concen: 51.600 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

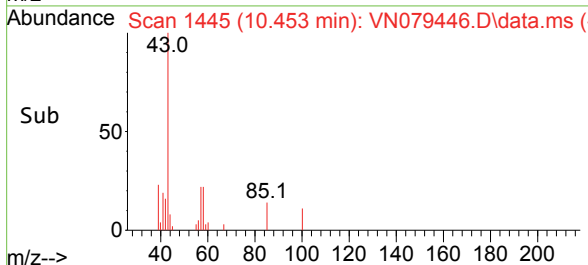
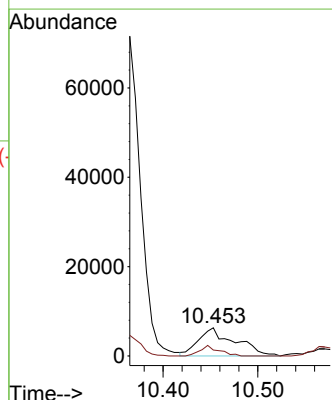
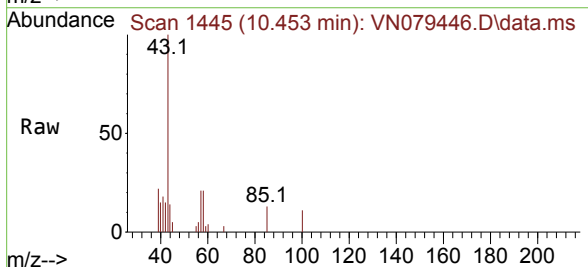
Instrument :
MSVOA_N
ClientSampleId :

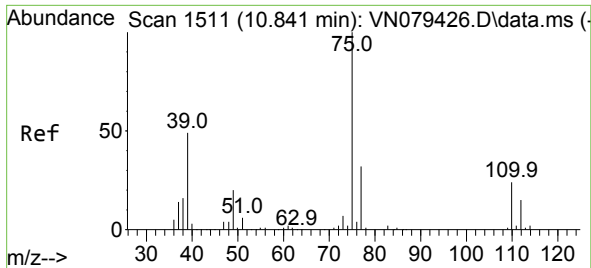
Tgt Ion: 98 Resp: 414757
Ion Ratio Lower Upper
98 100
100 64.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.129 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

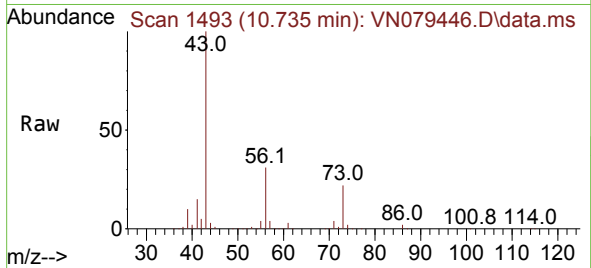
Tgt Ion: 43 Resp: 16829
Ion Ratio Lower Upper
43 100
58 19.4 36.6 54.8#



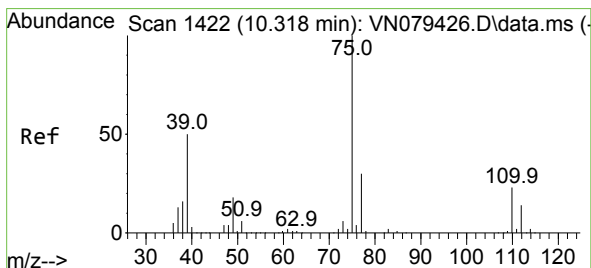
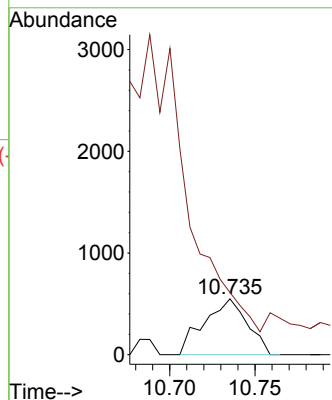
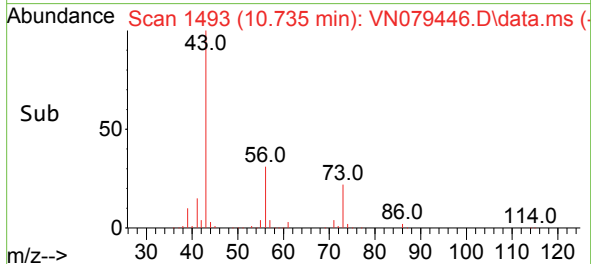


#53
t-1,3-Dichloropropene
Concen: 0.276 ug/l
RT: 10.735 min Scan# 14
Delta R.T. -0.106 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

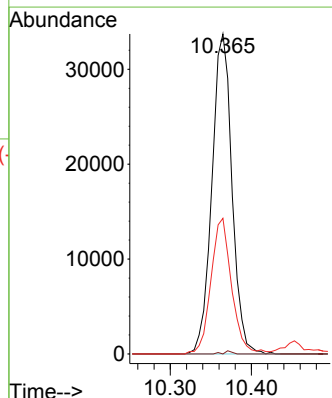
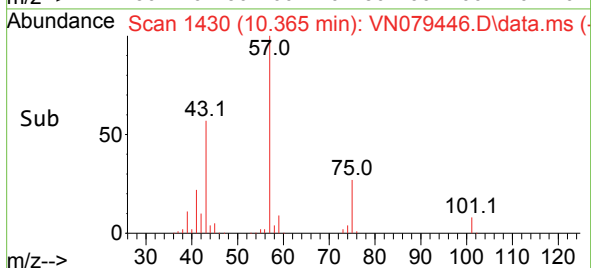
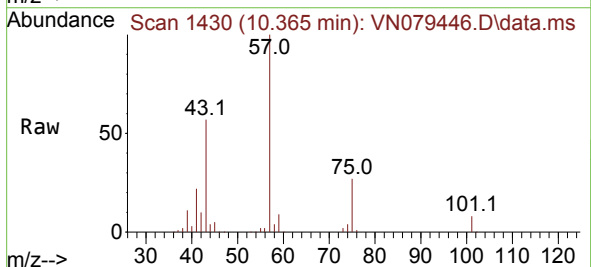


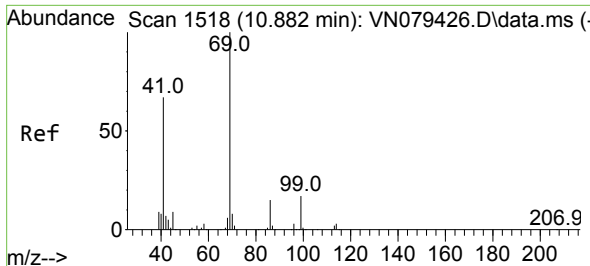
Tgt Ion: 75 Resp: 968
Ion Ratio Lower Upper
75 100
77 46.3 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 15.103 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. 0.047 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

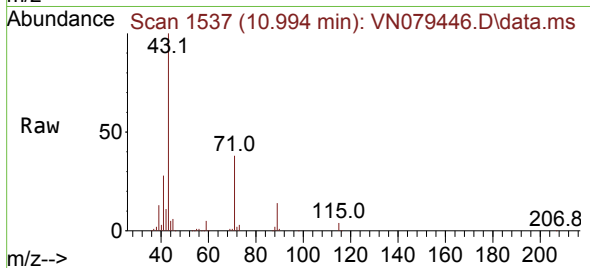
Tgt Ion: 75 Resp: 57910
Ion Ratio Lower Upper
75 100
77 0.0 26.1 39.1#
39 42.4 31.6 47.4



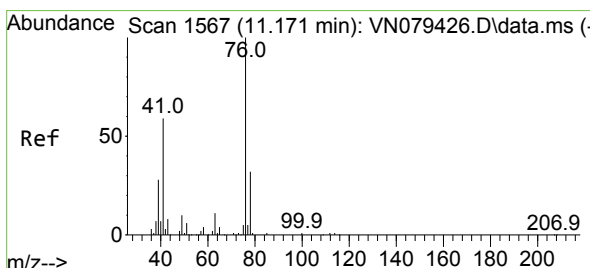
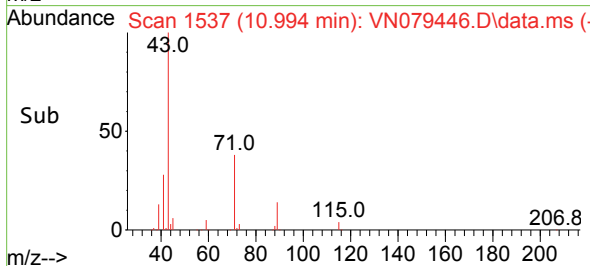
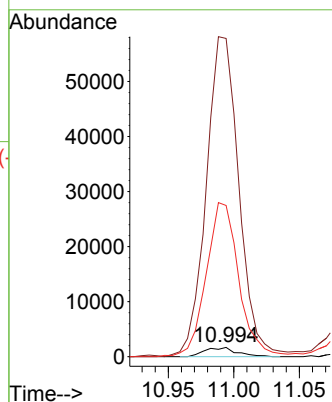


#56
Ethyl methacrylate
Concen: 0.888 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.112 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Instrument :
MSVOA_N
ClientSampleId :

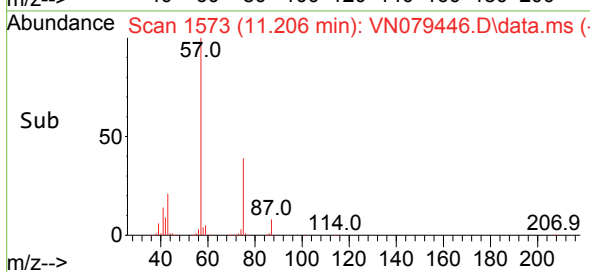
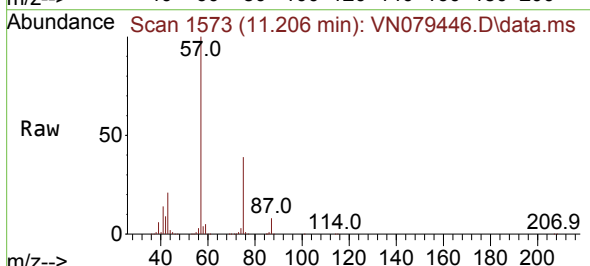
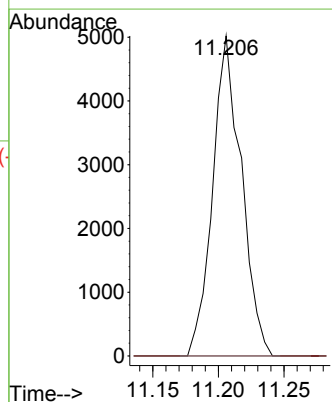


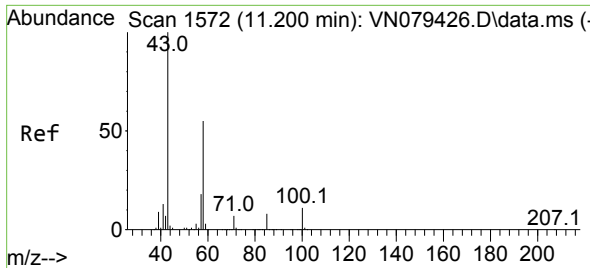
Tgt Ion: 69 Resp: 2854
Ion Ratio Lower Upper
69 100
41 3534.2 39.6 59.4#
39 1695.9 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.892 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Tgt Ion: 76 Resp: 7643
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

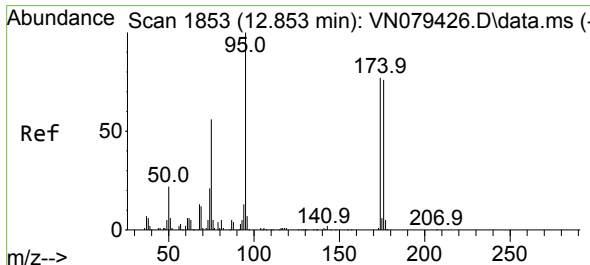
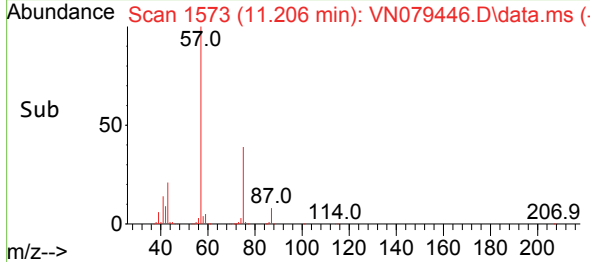
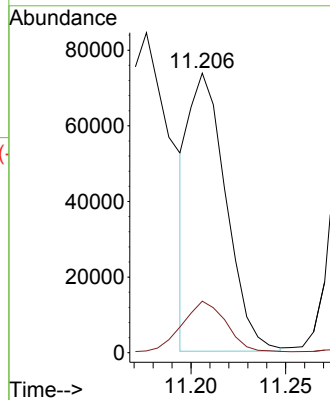
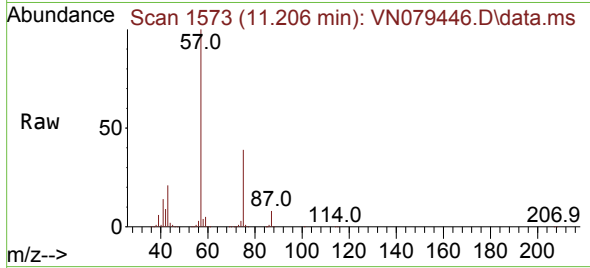




#59
2-Hexanone
Concen: 42.577 ug/l
RT: 11.206 min Scan# 1157
Delta R.T. 0.006 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

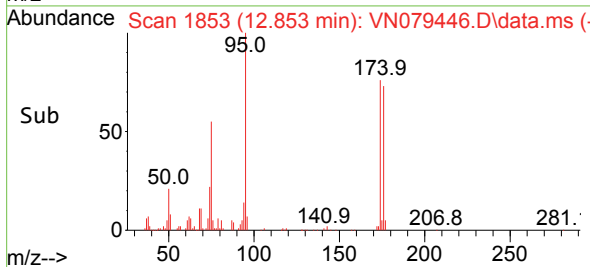
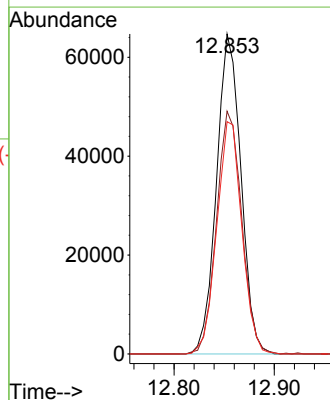
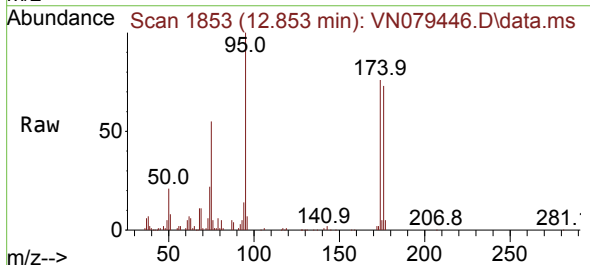
Instrument :
MSVOA_N
ClientSampleId :

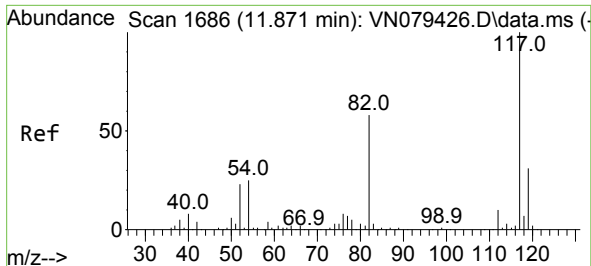
Tgt Ion: 43 Resp: 100804
Ion Ratio Lower Upper
43 100
58 22.6 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 42.356 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

Tgt Ion: 95 Resp: 109257
Ion Ratio Lower Upper
95 100
174 78.4 0.0 143.8
176 74.5 0.0 135.8

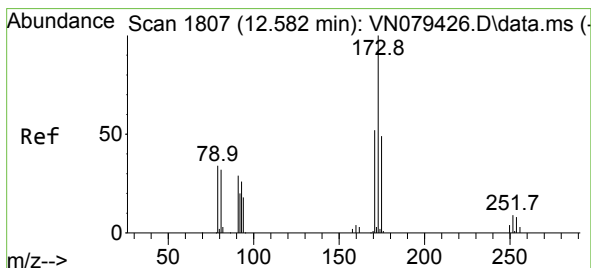
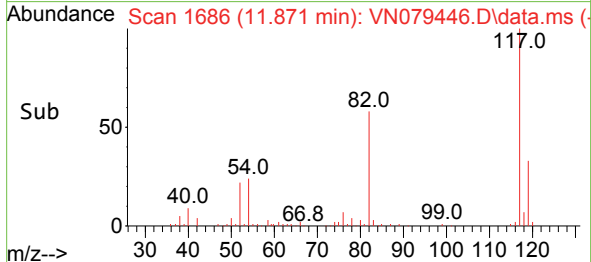
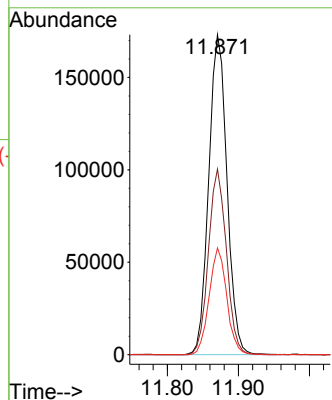
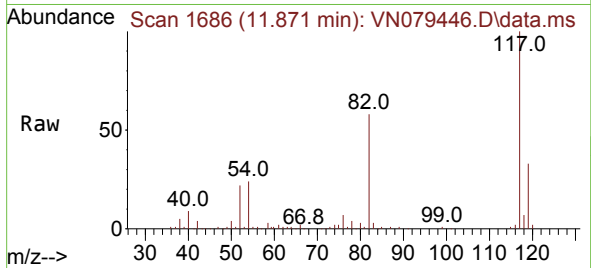




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

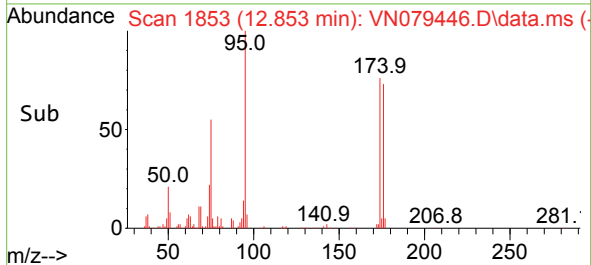
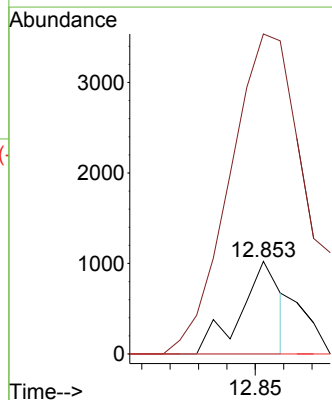
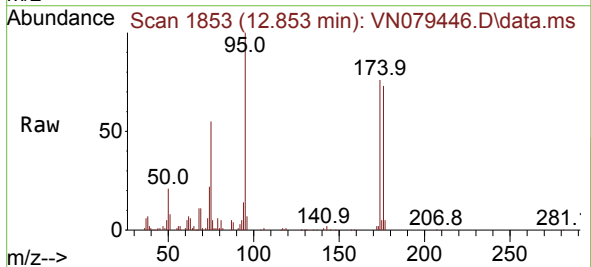
Instrument :
MSVOA_N
ClientSampleId :

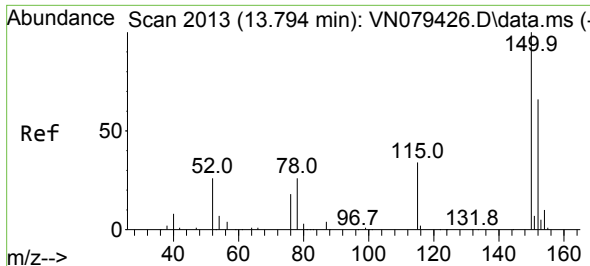
Tgt Ion:117 Resp: 309370
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 33.3 25.6 38.4



#71
Bromoform
Concen: 0.540 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

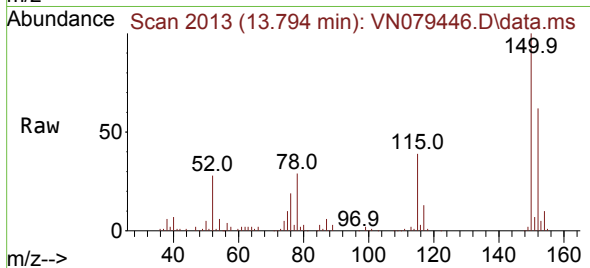
Tgt Ion:173 Resp: 997
Ion Ratio Lower Upper
173 100
175 480.2 24.3 73.0#
254 0.0 0.0 0.0



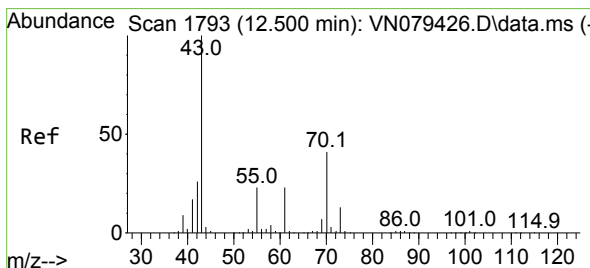
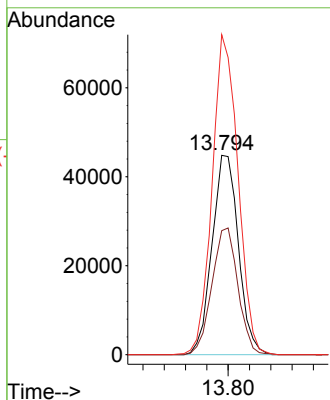
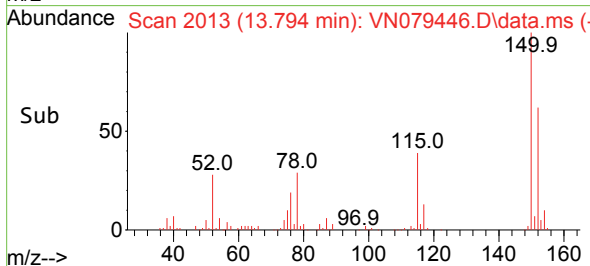


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42

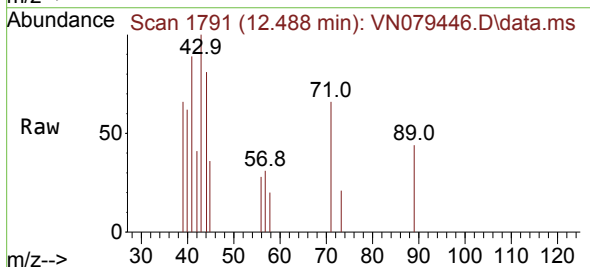
Instrument :
MSVOA_N
ClientSampleId :



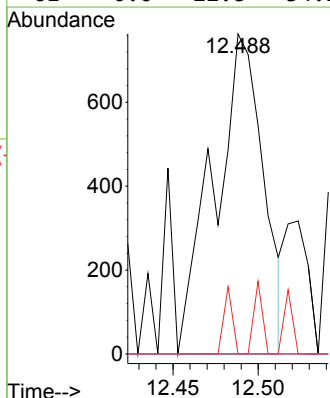
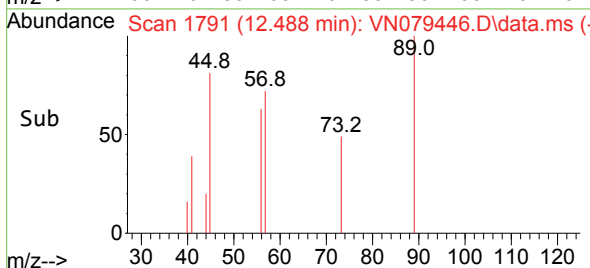
Tgt Ion:152 Resp: 77006
Ion Ratio Lower Upper
152 100
115 62.7 32.3 96.8
150 157.1 0.0 355.8

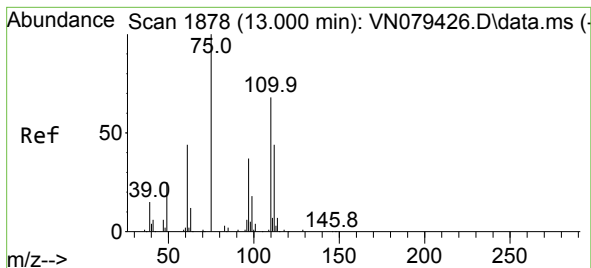


#74
N-ethyl acetate
Concen: 0.522 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN079446.D
Acq: 06 Oct 2023 14:42



Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 3.7 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 27.289 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079446.D

Acq: 06 Oct 2023 14:42

Instrument :

MSVOA_N

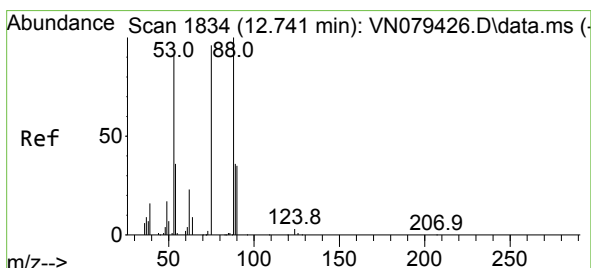
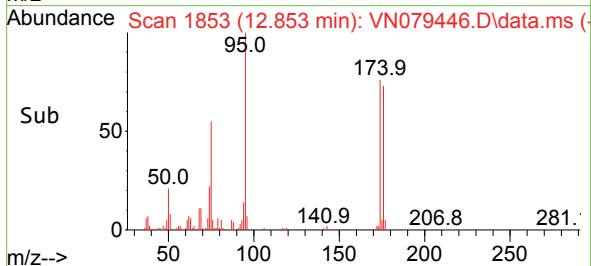
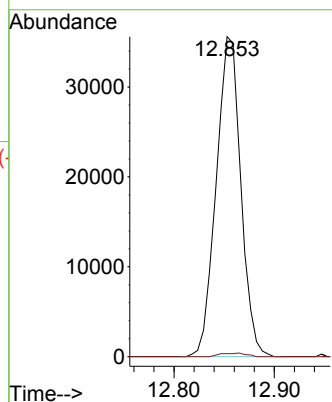
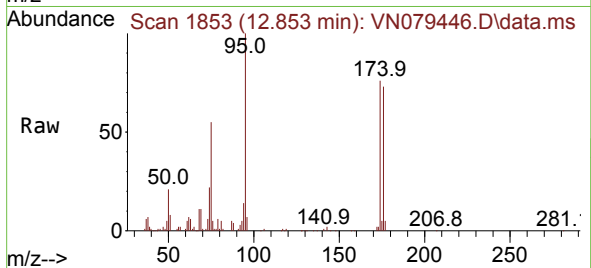
ClientSampleId :

Tgt Ion: 75 Resp: 60590

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.181 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079446.D

Acq: 06 Oct 2023 14:42

Tgt Ion: 75 Resp: 60590

Ion Ratio Lower Upper

75 100

53 0.3 67.4 101.2#

89 0.0 38.8 58.2#

