

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052924\
 Data File : VN082379.D
 Acq On : 29 May 2024 18:42
 Operator : JC\MD
 Sample : P2612-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 05:47:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

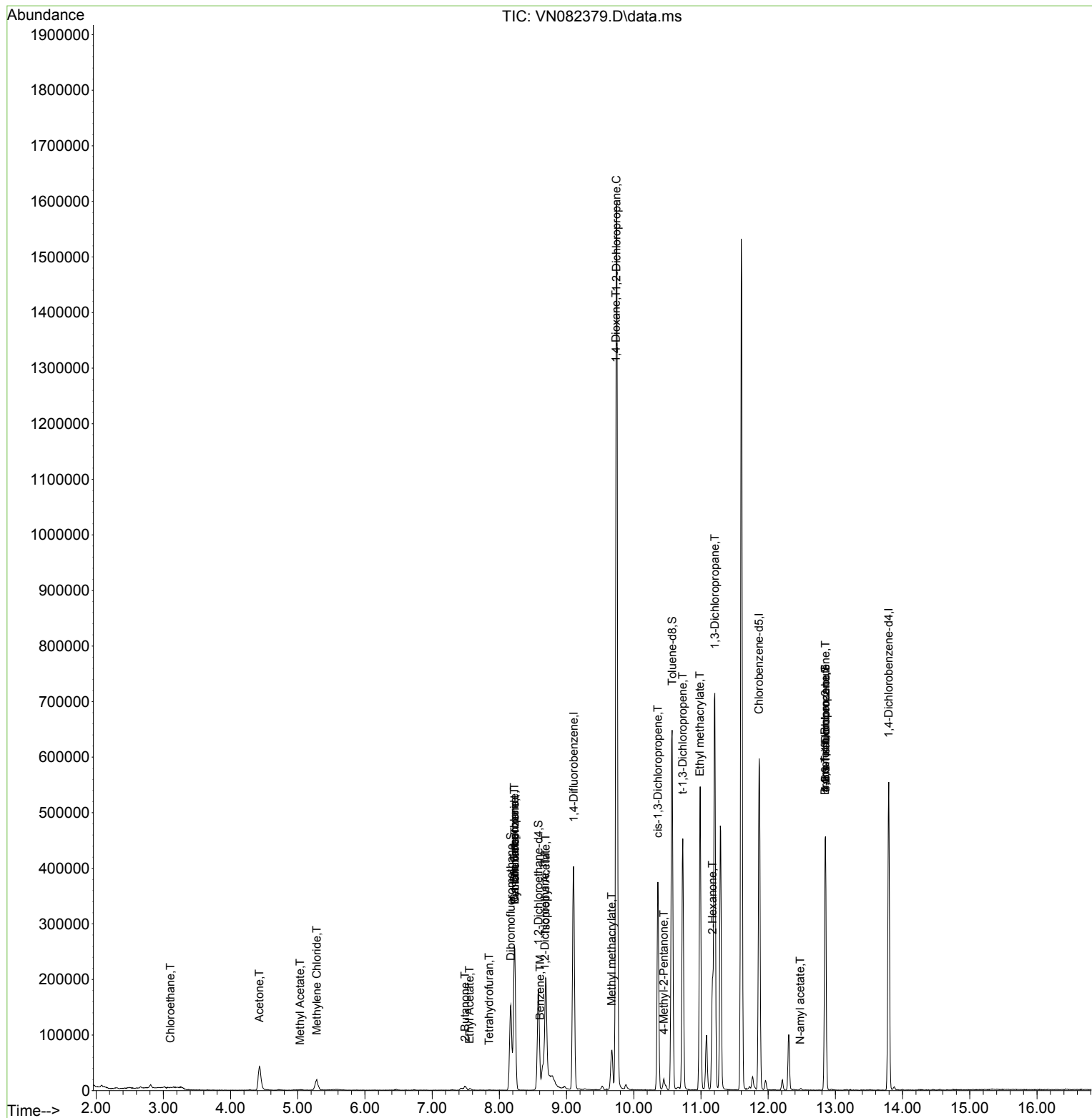
Internal Standards						
1) Pentafluorobenzene	8.230	168	182074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	325373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	318043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	146957	51.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.240%			
35) Dibromofluoromethane	8.171	113	105566	52.742	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.480%			
50) Toluene-d8	10.571	98	417005	54.342	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.680%			
62) 4-Bromofluorobenzene	12.853	95	150783	55.051	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 110.100%			
Target Compounds						Qvalue
6) Chloroethane	3.106	64	498	0.273	ug/l #	44
16) Acetone	4.430	43	83142	70.497	ug/l	89
18) Methyl Acetate	5.036	43	1544	0.526	ug/l #	62
20) Methylene Chloride	5.283	84	12817	5.386	ug/l #	83
25) 2-Butanone	7.489	43	12727	7.118	ug/l	90
29) Tetrahydrofuran	7.847	42	680	0.592	ug/l #	29
31) Cyclohexane	8.230	56	5201	1.133	ug/l #	29
36) 1,1-Dichloropropene	8.224	75	16542	4.928	ug/l #	50
37) Ethyl Acetate	7.559	43	5034	1.340	ug/l #	86
38) Carbon Tetrachloride	8.224	117	19157	5.630	ug/l #	16
40) Benzene	8.606	78	3675	0.367	ug/l	93
42) 1,2-Dichloroethane	8.677	62	1216	0.316	ug/l #	73
43) Isopropyl Acetate	8.688	43	292190	43.894	ug/l #	74
45) 1,2-Dichloropropane	9.741	63	1693	0.655	ug/l #	45
48) Methyl methacrylate	9.671	41	5538	1.746	ug/l #	39
49) 1,4-Dioxane	9.735	88	54	1.215	ug/l #	28
51) 4-Methyl-2-Pentanone	10.447	43	19546	5.168	ug/l #	71
53) t-1,3-Dichloropropene	10.729	75	1068	0.288	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	57396	14.646	ug/l #	76
56) Ethyl methacrylate	10.982	69	1444	0.390	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7317	1.793	ug/l #	42
59) 2-Hexanone	11.171	43	163992	59.217	ug/l #	23
71) Bromoform	12.847	173	773	1.115	ug/l #	28
74) N-amyl acetate	12.476	43	2437	0.407	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	88542	30.726	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	88542	71.866	ug/l #	12

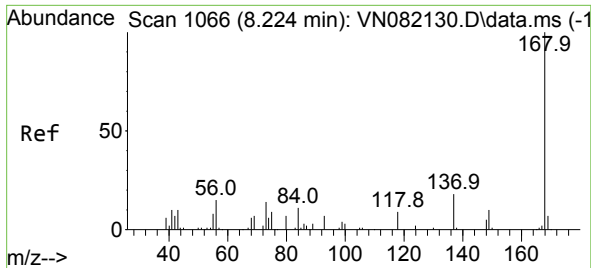
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

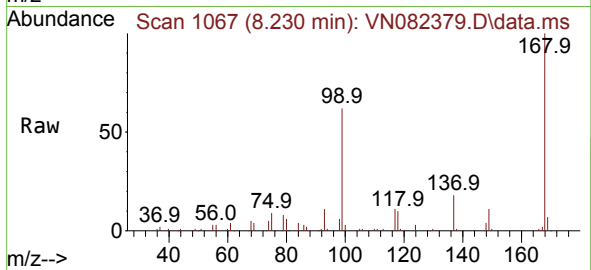
Quant Time: May 30 05:47:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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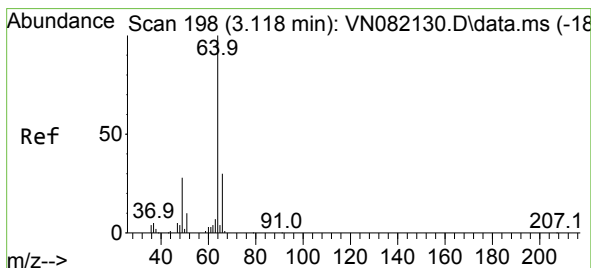
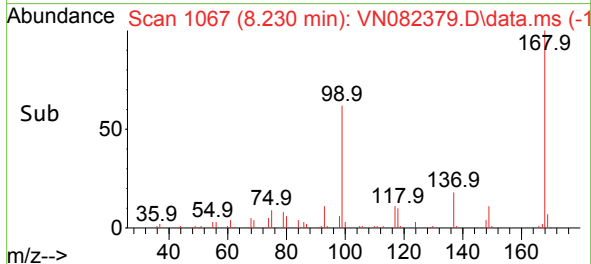
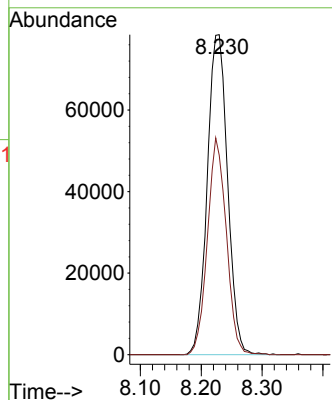


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

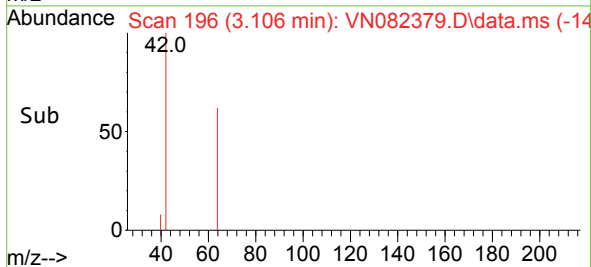
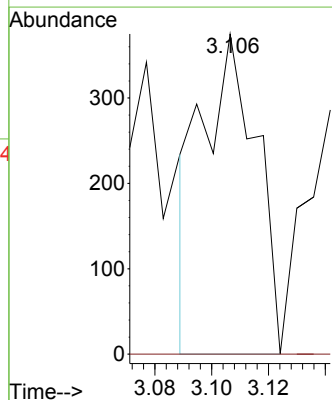
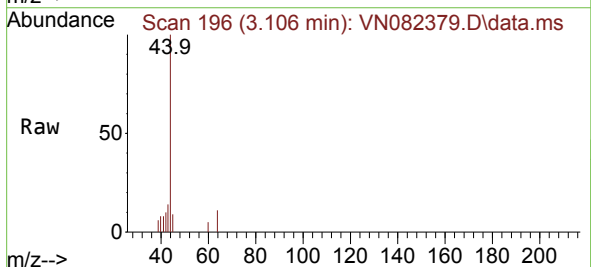


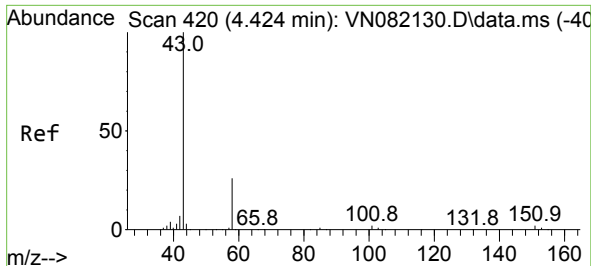
Tgt Ion:168 Resp: 182074
Ion Ratio Lower Upper
168 100
99 62.3 48.2 72.4



#6
Chloroethane
Concen: 0.273 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.012 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Tgt Ion: 64 Resp: 498
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

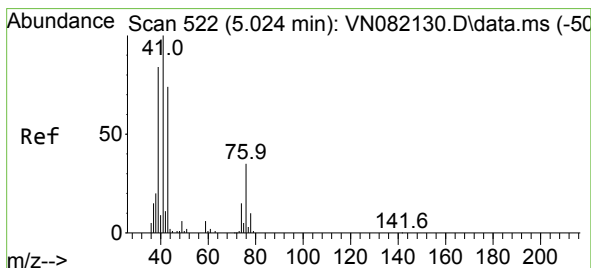
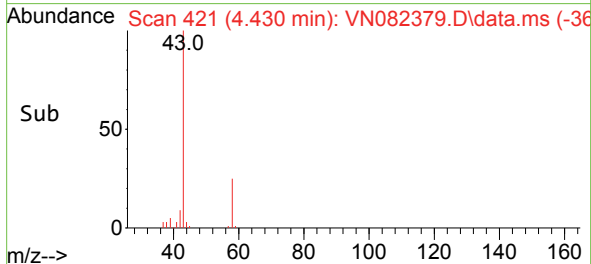
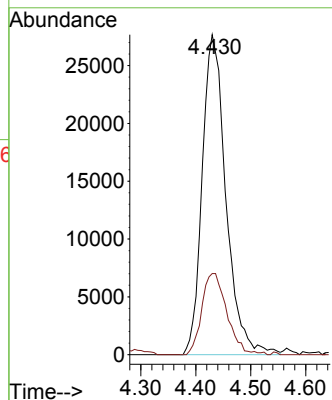
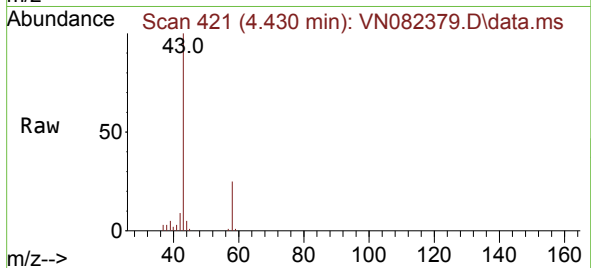




#16
Acetone
Concen: 70.497 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

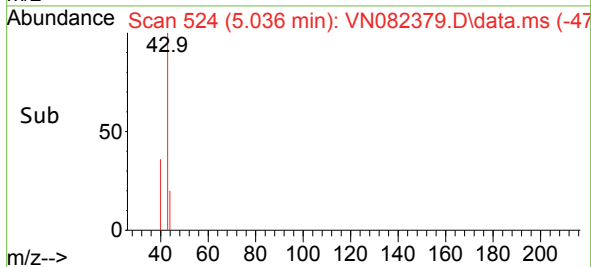
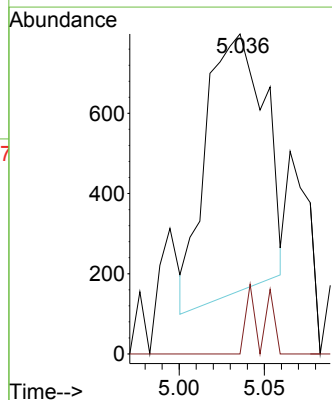
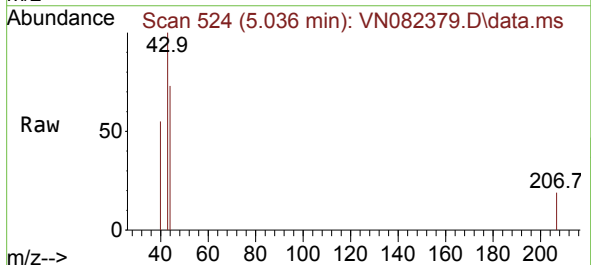
Instrument :
MSVOA_N
ClientSampleId :

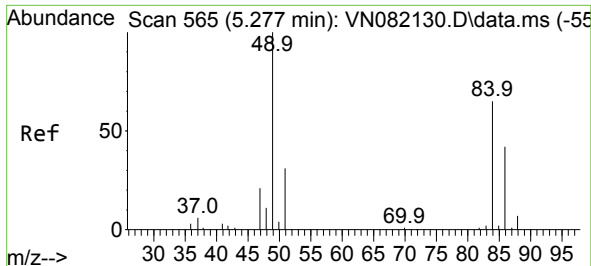
Tgt Ion: 43 Resp: 83142
Ion Ratio Lower Upper
43 100
58 25.3 25.2 37.8



#18
Methyl Acetate
Concen: 0.526 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

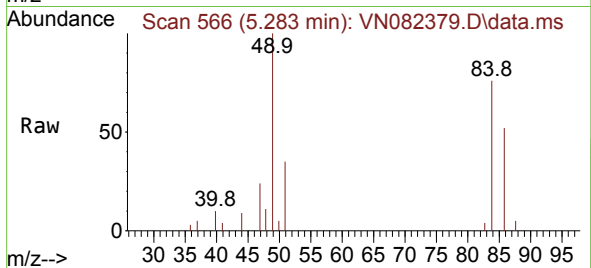
Tgt Ion: 43 Resp: 1544
Ion Ratio Lower Upper
43 100
74 7.6 22.2 33.2#



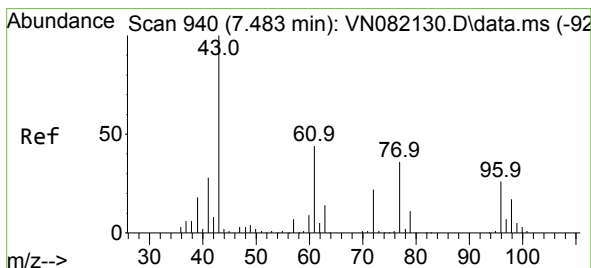
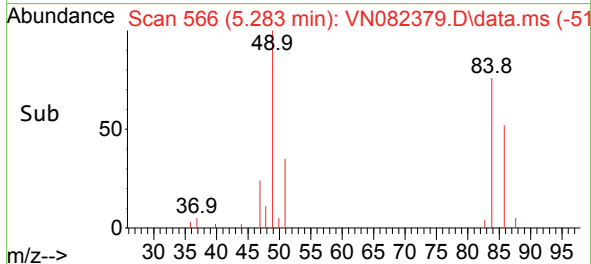
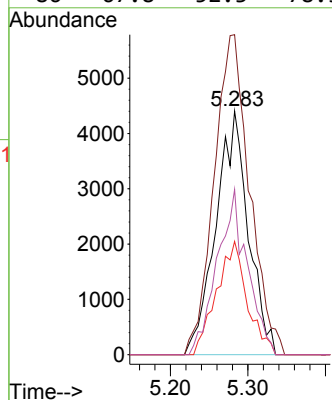


#20
Methylene Chloride
Concen: 5.386 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

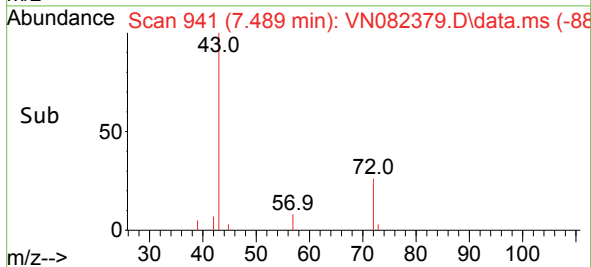
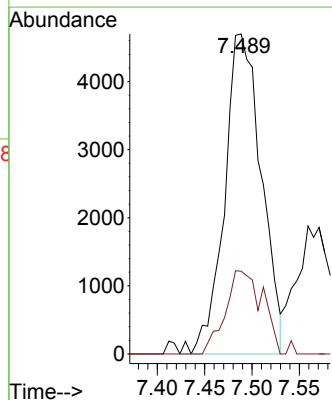
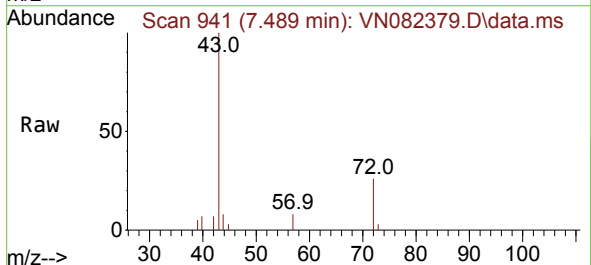


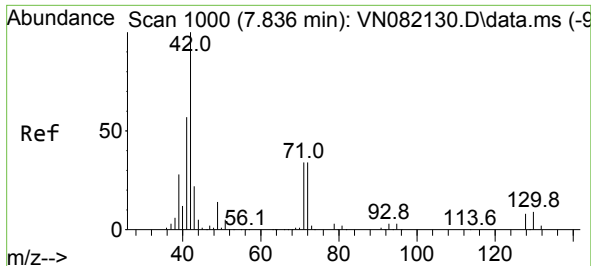
Tgt Ion:	84	Resp:	12817
Ion	Ratio	Lower	Upper
84	100		
49	131.3	84.9	127.3#
51	46.4	27.0	40.6#
86	67.8	52.3	78.5



#25
2-Butanone
Concen: 7.118 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

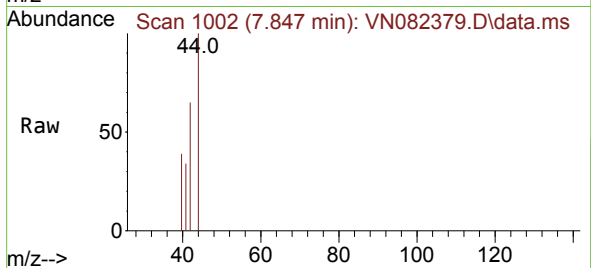
Tgt Ion:	43	Resp:	12727
Ion	Ratio	Lower	Upper
43	100		
72	25.9	25.3	37.9



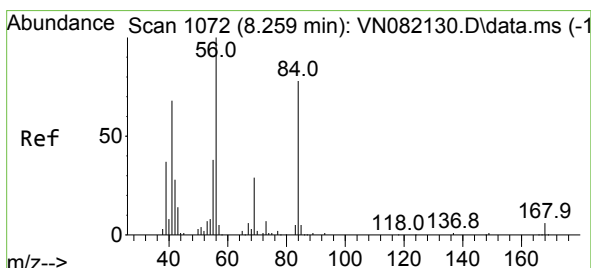
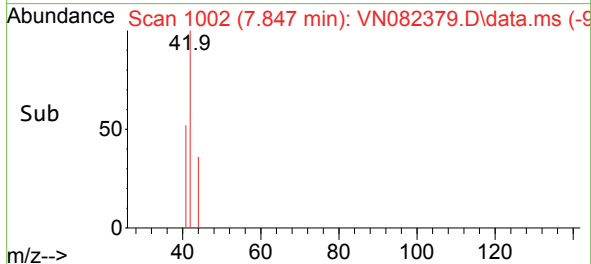
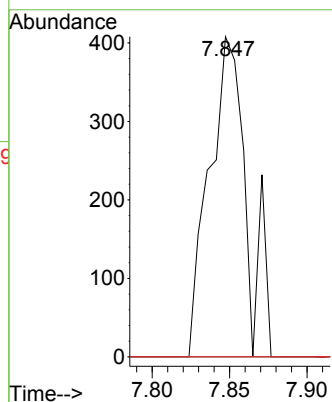


#29
Tetrahydrofuran
Concen: 0.592 ug/l
RT: 7.847 min Scan# 1067
Delta R.T. 0.011 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

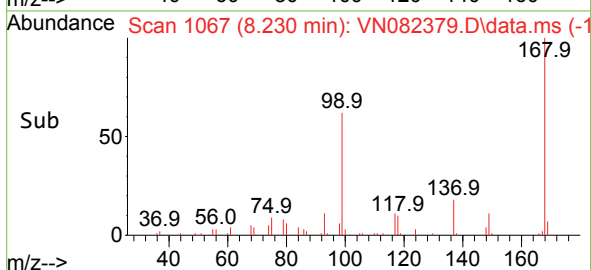
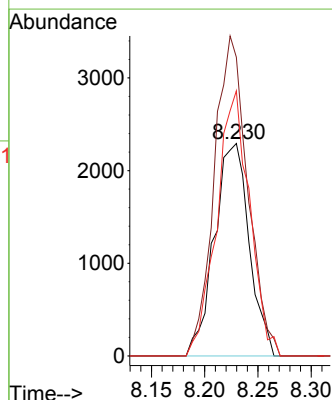
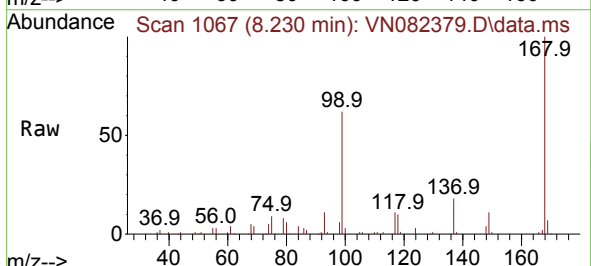


Tgt Ion: 42 Resp: 680
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Tgt Ion: 56 Resp: 5201
Ion Ratio Lower Upper
56 100
69 140.7 24.4 36.6#
84 124.8 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 51.116 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

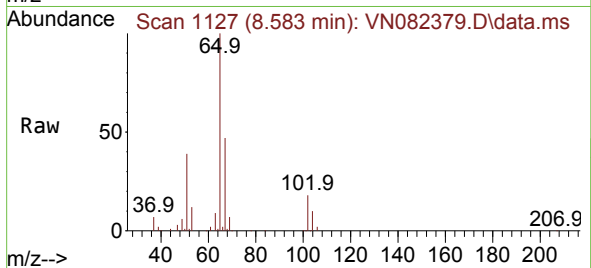
Lab File: VN082379.D

Acq: 29 May 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :

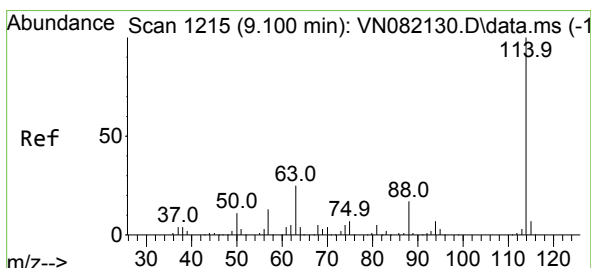
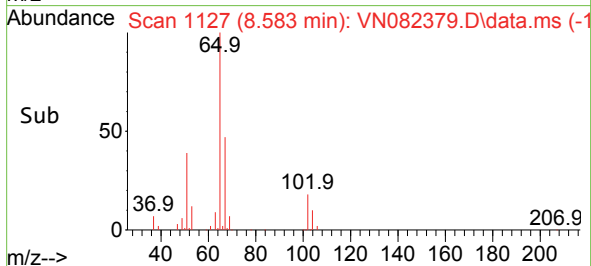
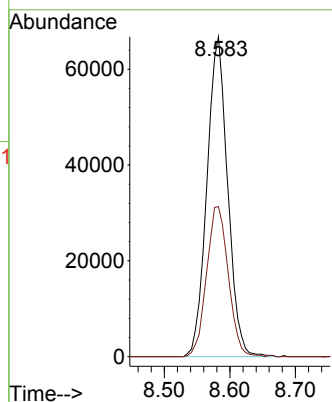


Tgt Ion: 65 Resp: 146957

Ion Ratio Lower Upper

65 100

67 49.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082379.D

Acq: 29 May 2024 18:42

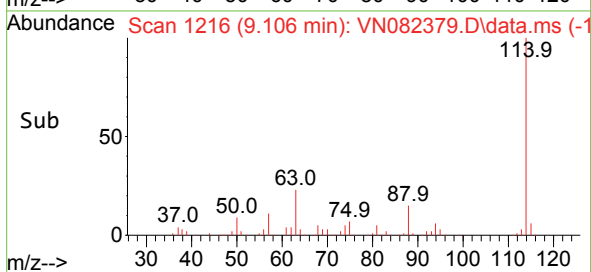
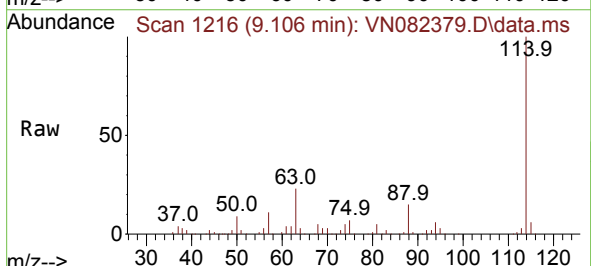
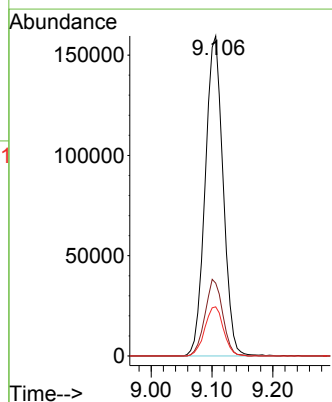
Tgt Ion: 114 Resp: 325373

Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.0

88 15.4 0.0 31.4

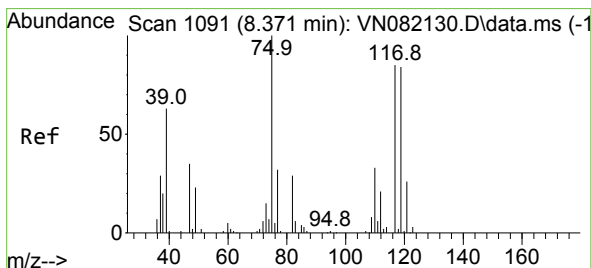
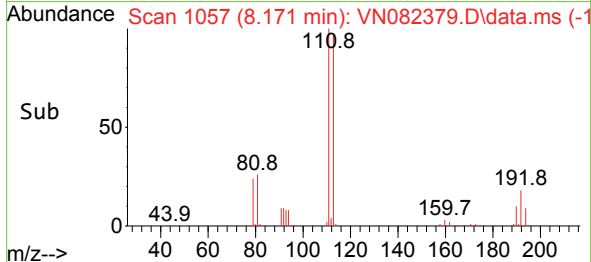
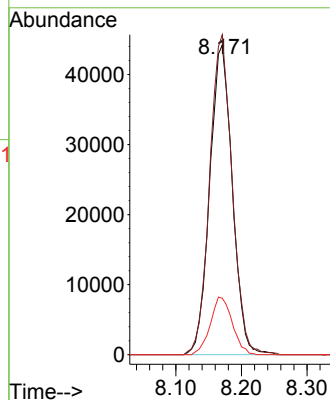
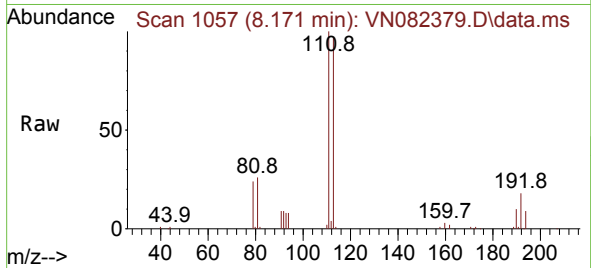




#35
Dibromofluoromethane
Concen: 52.742 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

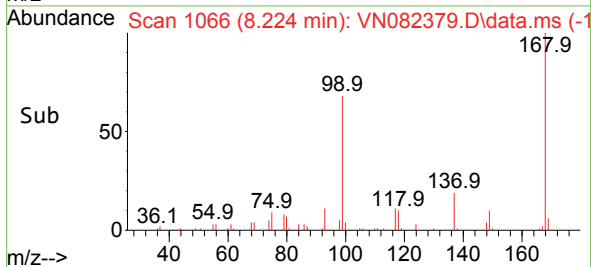
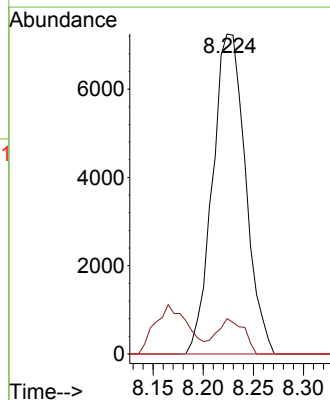
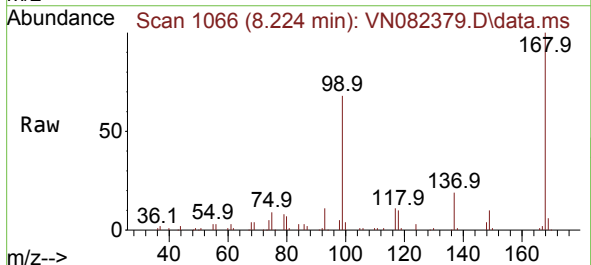
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 105566
Ion Ratio Lower Upper
113 100
111 103.0 83.4 125.2
192 18.2 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.928 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Tgt Ion: 75 Resp: 16542
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.340 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

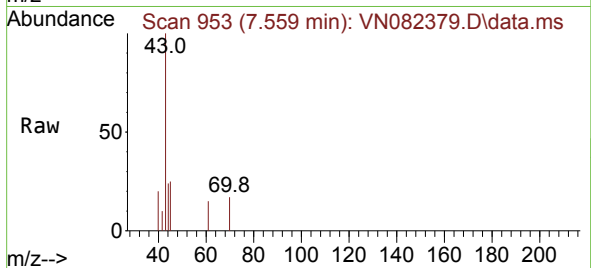
Lab File: VN082379.D

Acq: 29 May 2024 18:42

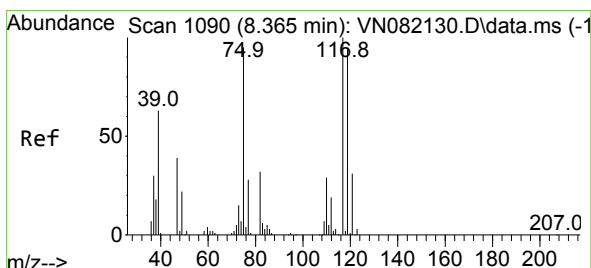
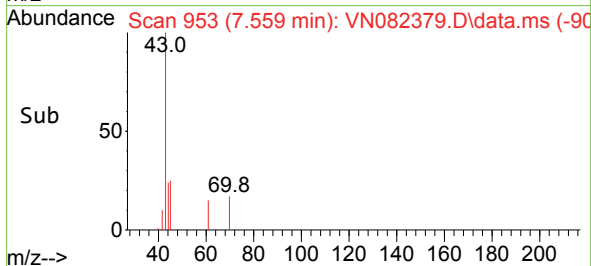
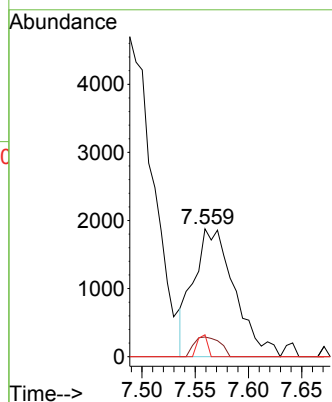
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	5034
Ion Ratio	Lower	Upper	
43	100		
61	9.8	11.3	16.9#
70	4.2	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.630 ug/l

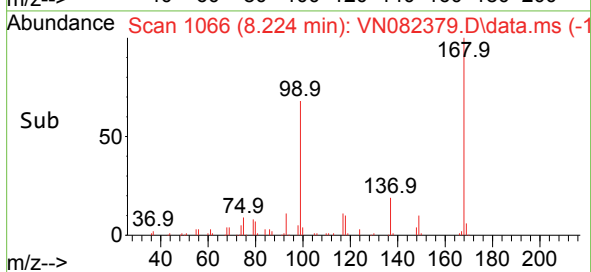
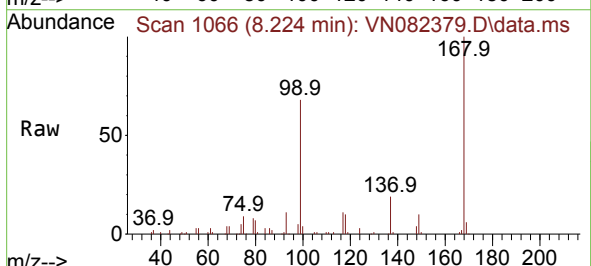
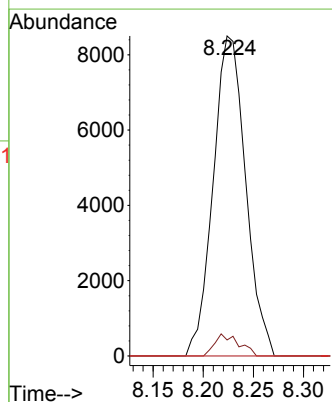
RT: 8.224 min Scan# 1066

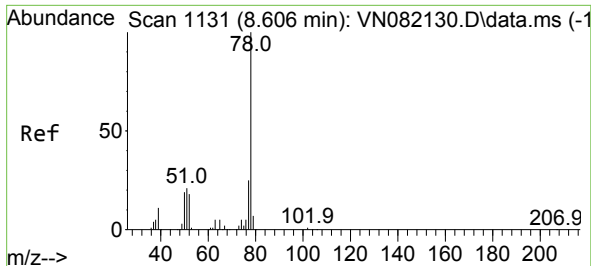
Delta R.T. -0.141 min

Lab File: VN082379.D

Acq: 29 May 2024 18:42

Tgt Ion:	117	Resp:	19157
Ion Ratio	Lower	Upper	
117	100		
119	5.0	76.5	114.7#
121	0.0	23.9	35.9#

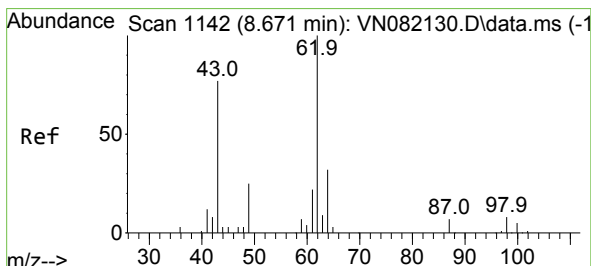
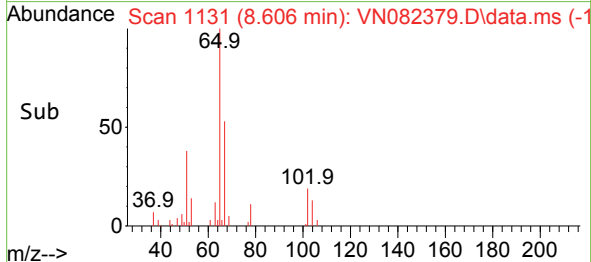
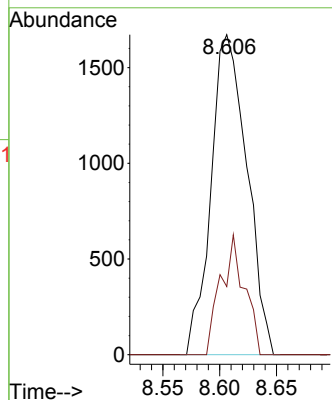
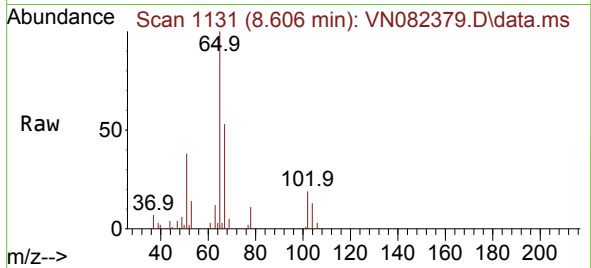




#40
Benzene
Concen: 0.367 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

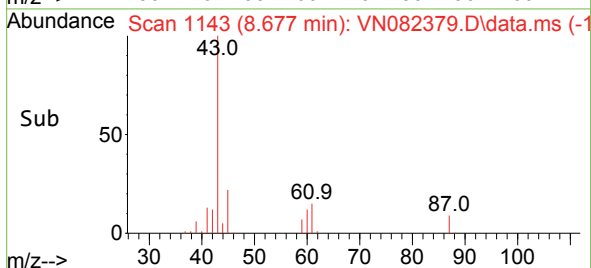
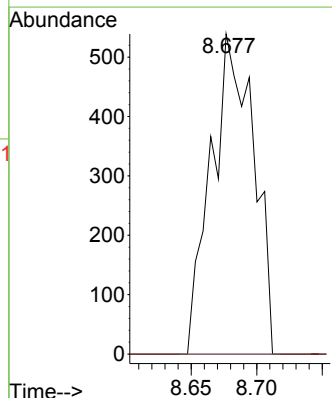
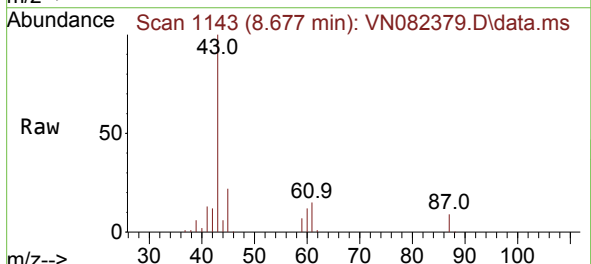
Instrument :
MSVOA_N
ClientSampleId :

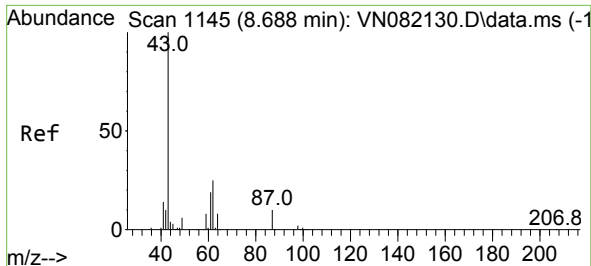
Tgt Ion: 78 Resp: 3675
Ion Ratio Lower Upper
78 100
77 21.3 20.0 30.0



#42
1,2-Dichloroethane
Concen: 0.316 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

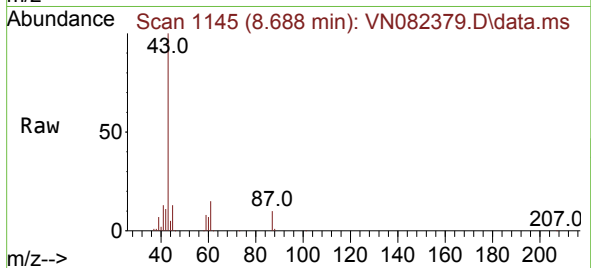
Tgt Ion: 62 Resp: 1216
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



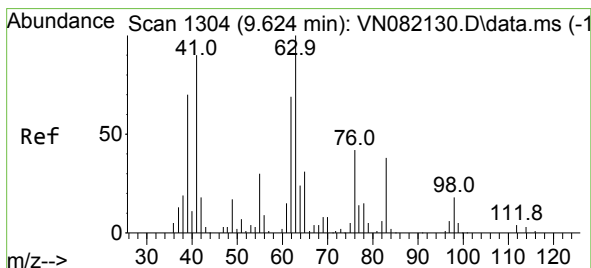
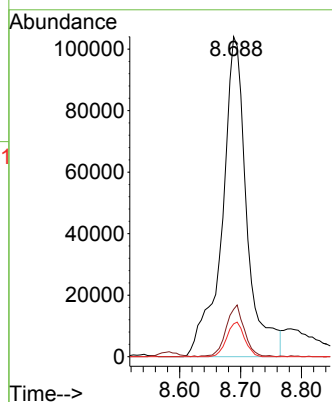
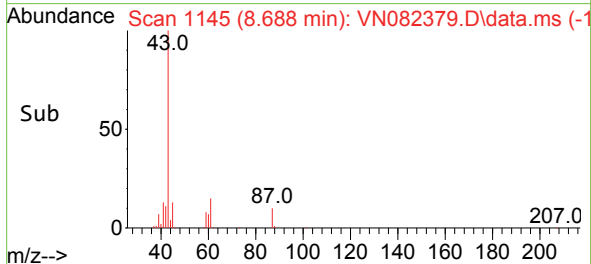


#43
Isopropyl Acetate
Concen: 43.894 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

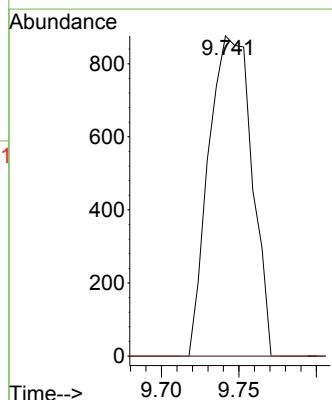
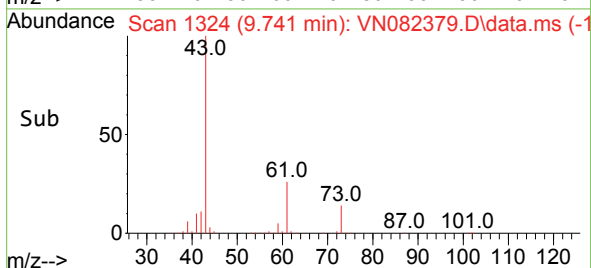
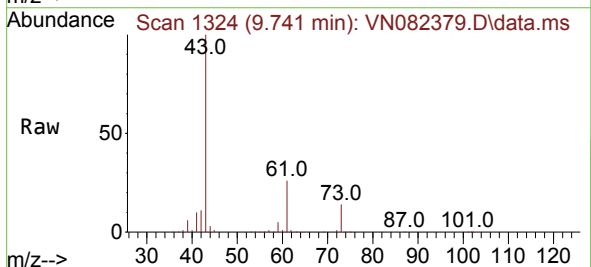


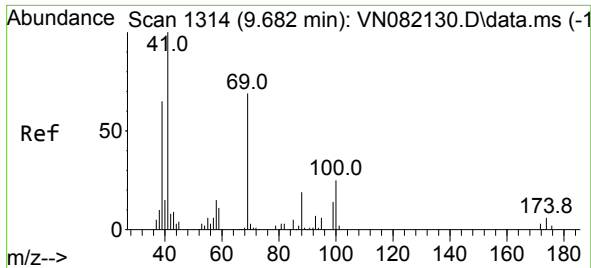
Tgt Ion: 43 Resp: 292190
Ion Ratio Lower Upper
43 100
61 12.0 22.8 34.2#
87 7.8 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.655 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Tgt Ion: 63 Resp: 1693
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

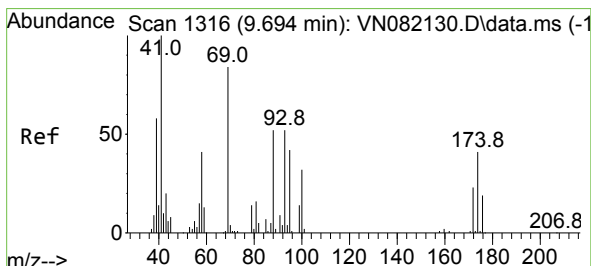
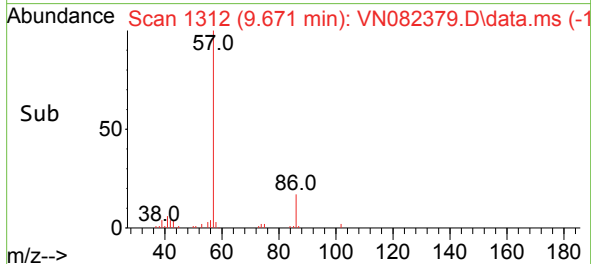
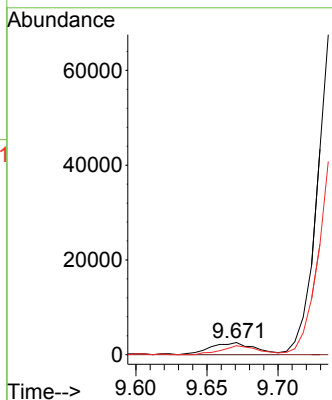
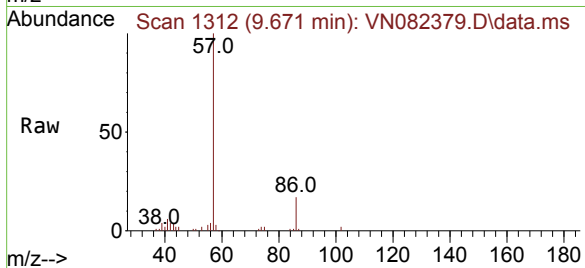




#48
Methyl methacrylate
Concen: 1.746 ug/l
RT: 9.671 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

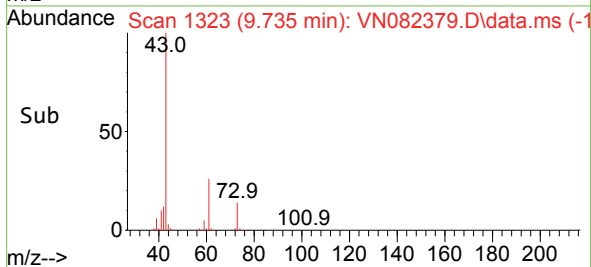
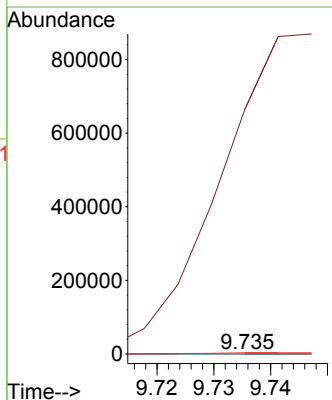
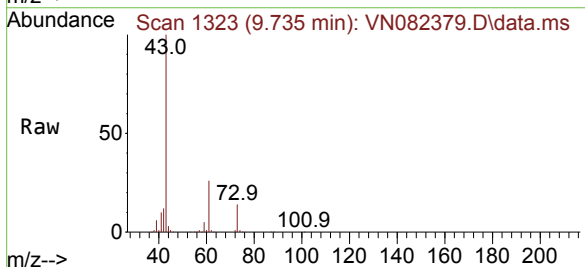
Instrument :
MSVOA_N
ClientSampleId :

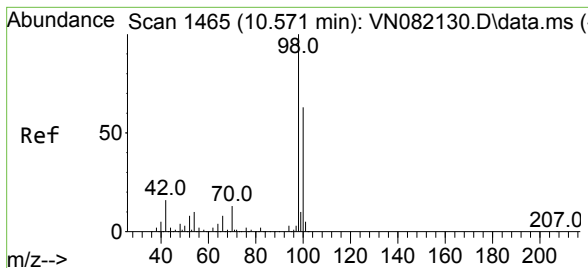
Tgt Ion: 41 Resp: 5538
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 61.5 50.9 76.3



#49
1,4-Dioxane
Concen: 1.215 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.041 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 50.6 76.0#

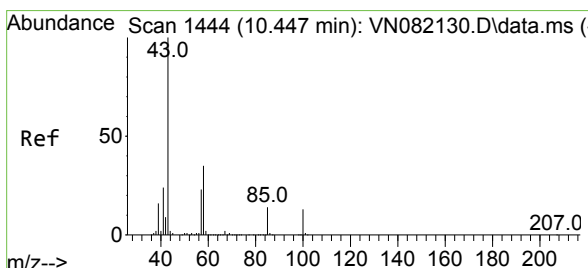
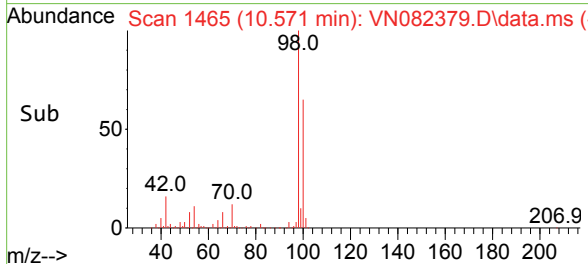
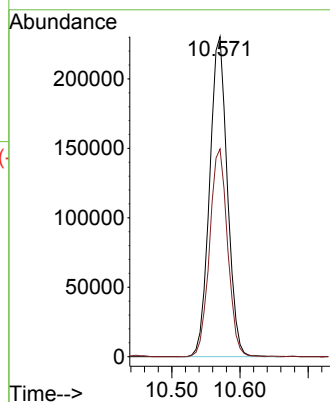
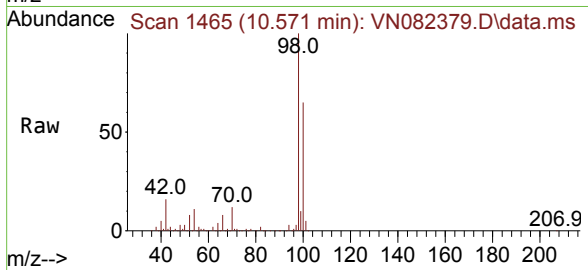




#50
Toluene-d8
Concen: 54.342 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

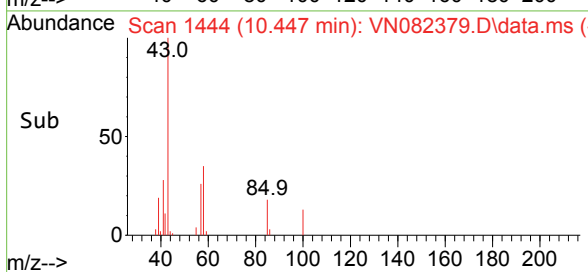
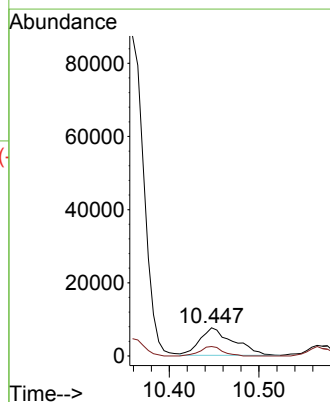
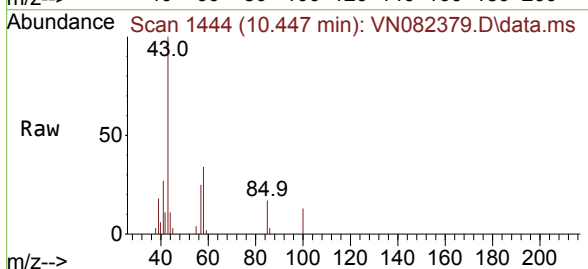
Instrument :
MSVOA_N
ClientSampleId :

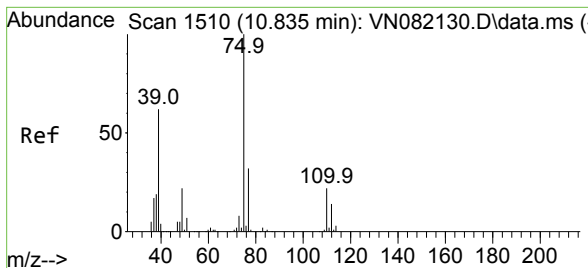
Tgt Ion: 98 Resp: 417005
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 5.168 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

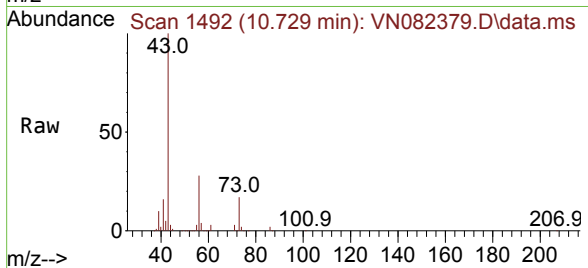
Tgt Ion: 43 Resp: 19546
Ion Ratio Lower Upper
43 100
58 23.4 33.2 49.8#



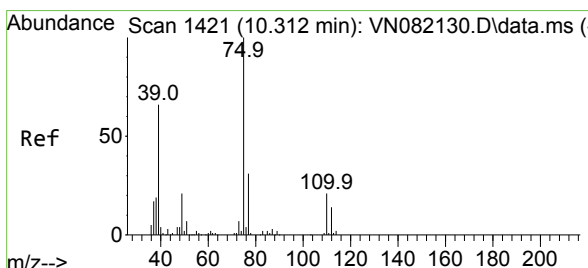
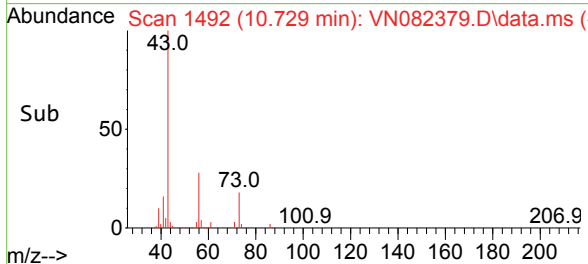
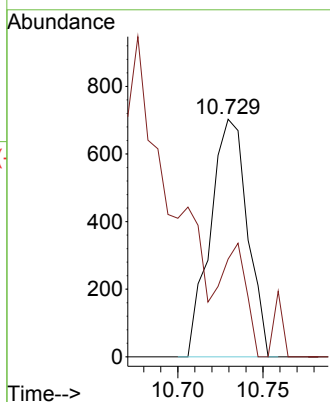


#53
 t-1,3-Dichloropropene
 Concen: 0.288 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN082379.D
 Acq: 29 May 2024 18:42

Instrument :
 MSVOA_N
 ClientSampleId :

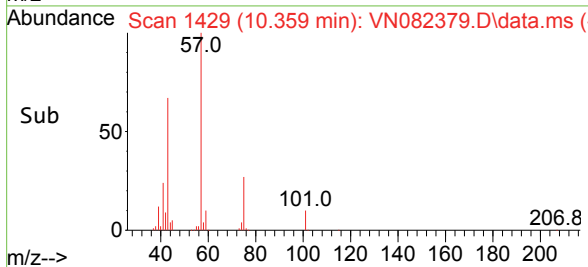
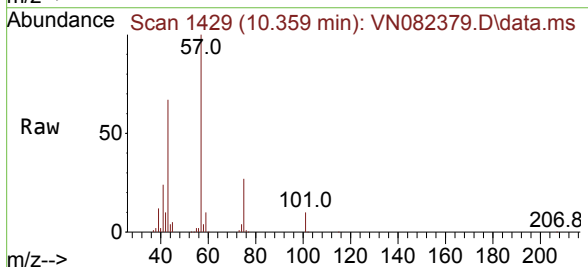
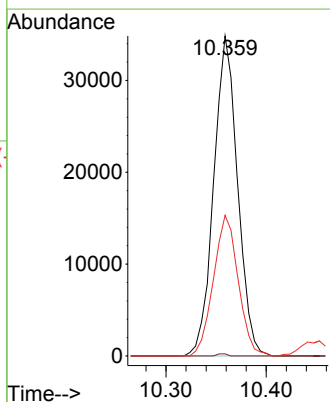


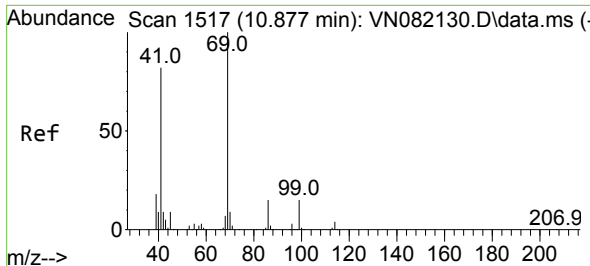
Tgt Ion: 75 Resp: 1068
 Ion Ratio Lower Upper
 75 100
 77 13.5 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.646 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082379.D
 Acq: 29 May 2024 18:42

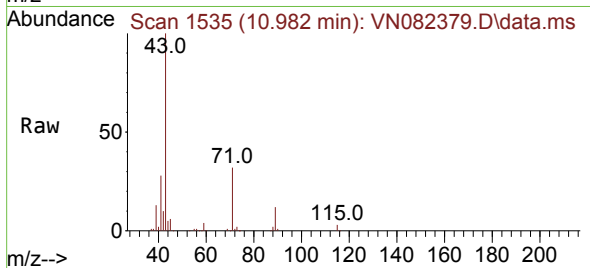
Tgt Ion: 75 Resp: 57396
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 44.0 34.8 52.2



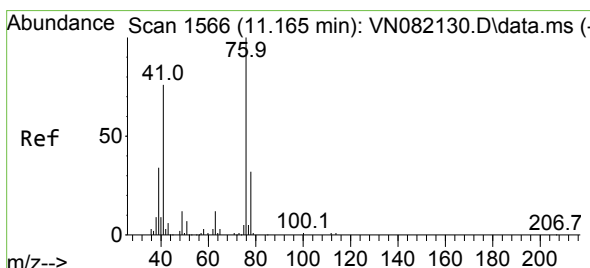
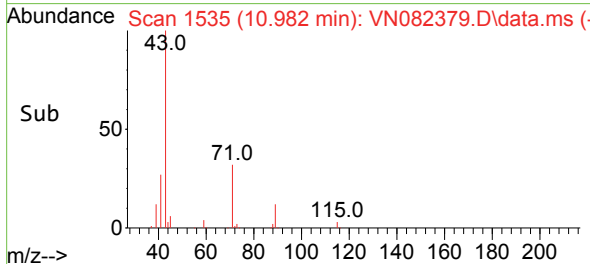
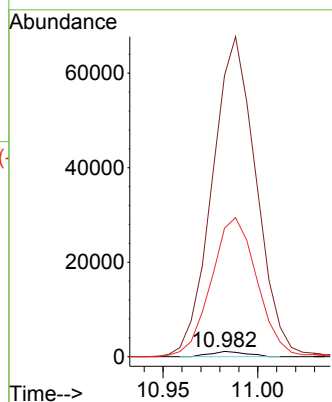


#56
Ethyl methacrylate
Concen: 0.390 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Instrument :
MSVOA_N
ClientSampleId :

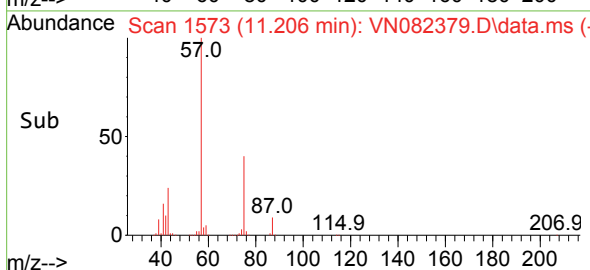
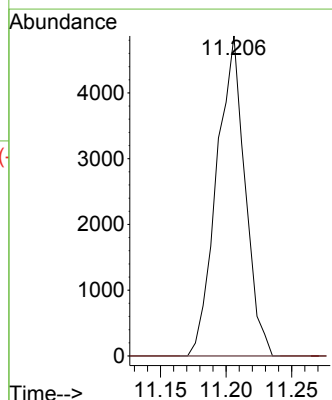
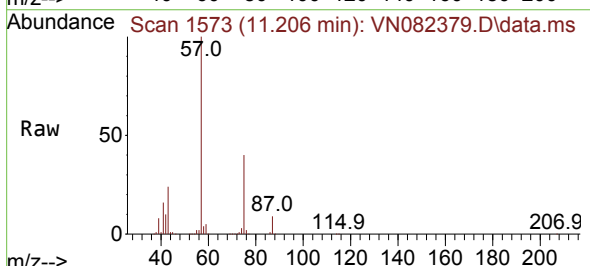


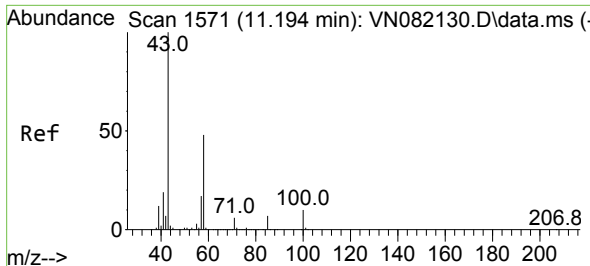
Tgt Ion: 69 Resp: 1444
Ion Ratio Lower Upper
69 100
41 7618.8 46.6 70.0#
39 3460.0 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.793 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Tgt Ion: 76 Resp: 7317
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

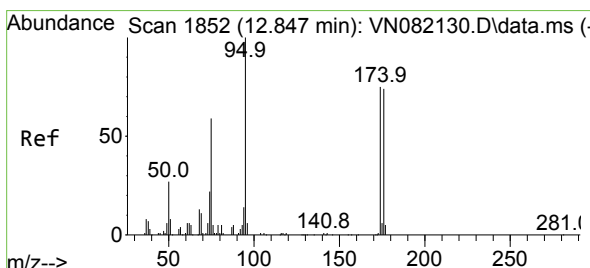
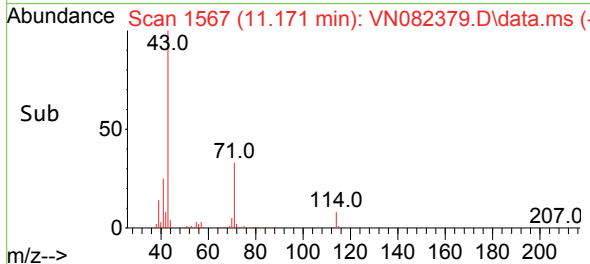
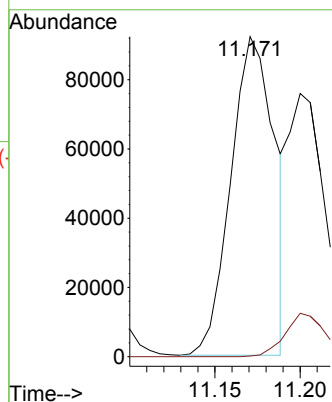
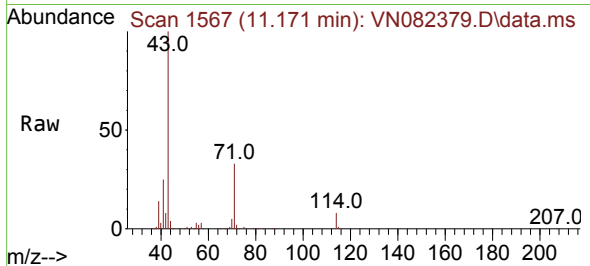




#59
2-Hexanone
Concen: 59.217 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

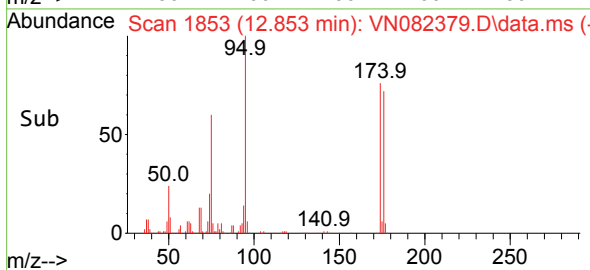
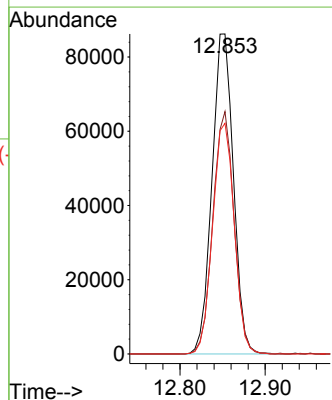
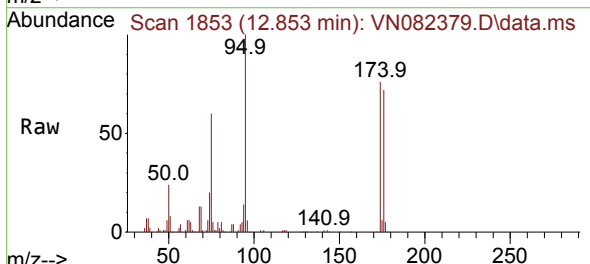
Instrument :
MSVOA_N
ClientSampleId :

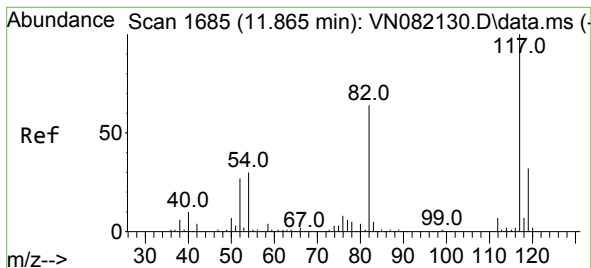
Tgt Ion: 43 Resp: 163992
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 55.051 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082379.D
Acq: 29 May 2024 18:42

Tgt Ion: 95 Resp: 150783
Ion Ratio Lower Upper
95 100
174 74.7 0.0 160.6
176 72.9 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082379.D

Acq: 29 May 2024 18:42

Instrument :

MSVOA_N

ClientSampleId :

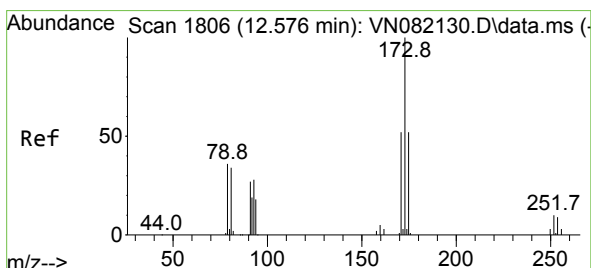
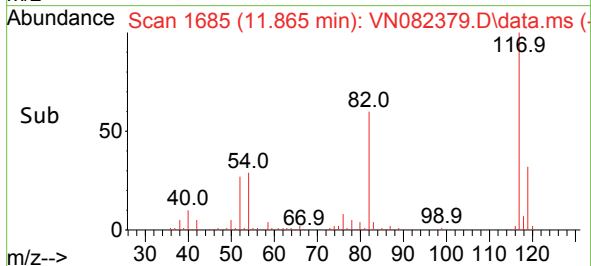
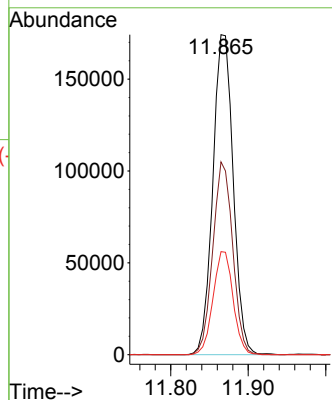
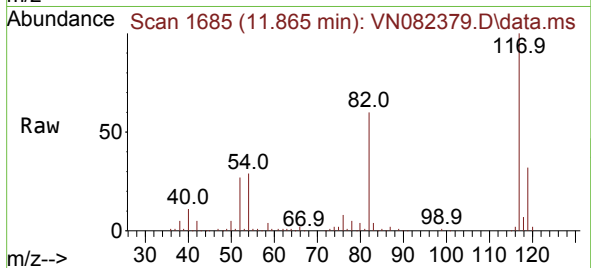
Tgt Ion:117 Resp: 318043

Ion Ratio Lower Upper

117 100

82 60.2 44.6 66.8

119 32.2 25.9 38.9



#71

Bromoform

Concen: 1.115 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN082379.D

Acq: 29 May 2024 18:42

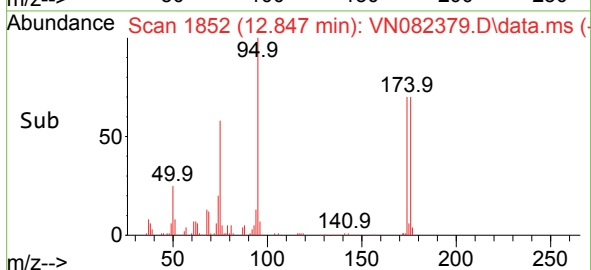
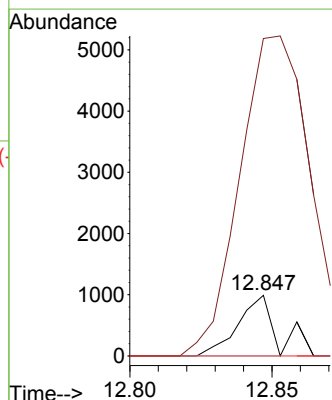
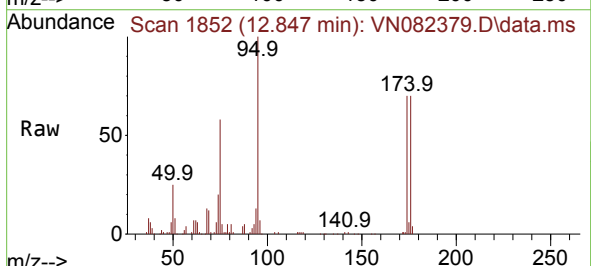
Tgt Ion:173 Resp: 773

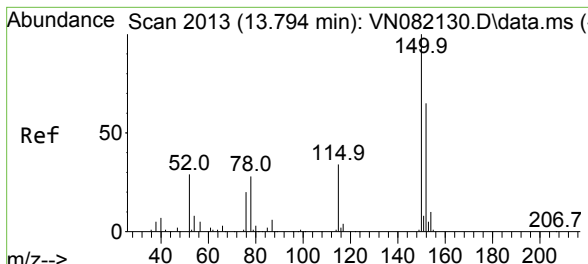
Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

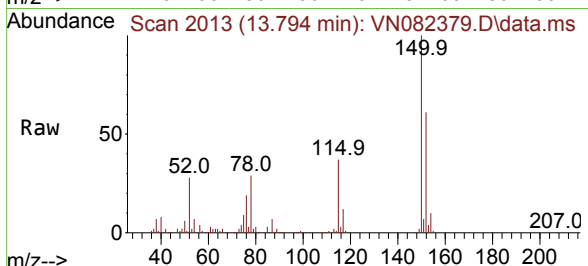
254 0.0 0.0 0.0



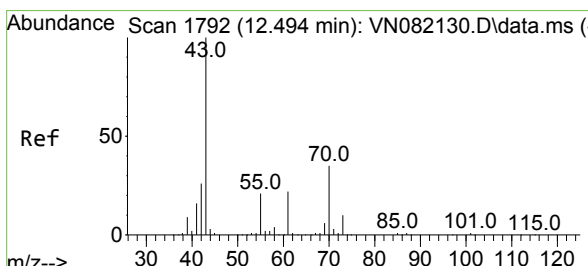
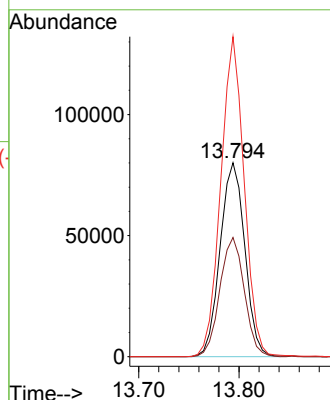
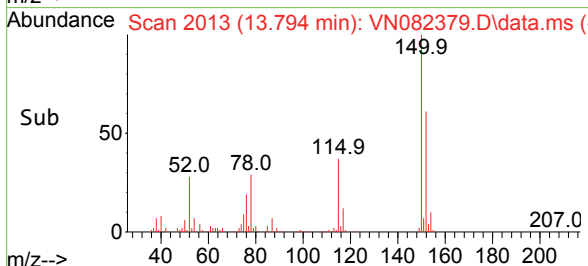


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN082379.D
 Acq: 29 May 2024 18:42

Instrument :
 MSVOA_N
 ClientSampleId :

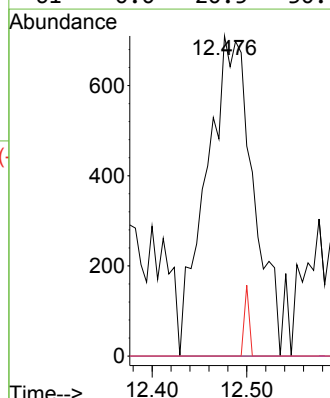
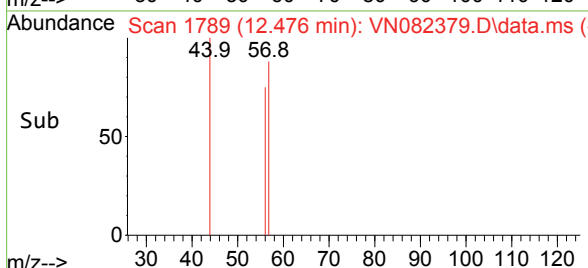
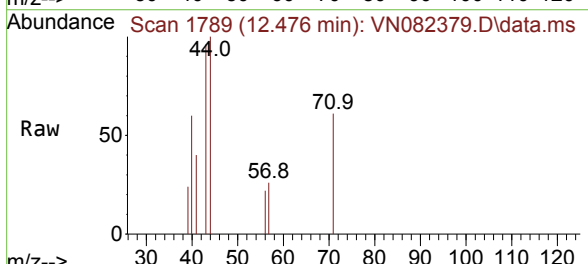


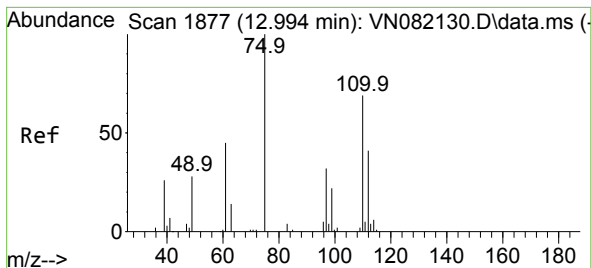
Tgt Ion:152 Resp: 136913
 Ion Ratio Lower Upper
 152 100
 115 60.9 30.4 91.3
 150 156.8 0.0 353.2



#74
 N-ethyl acetate
 Concen: 0.407 ug/l
 RT: 12.476 min Scan# 1789
 Delta R.T. -0.018 min
 Lab File: VN082379.D
 Acq: 29 May 2024 18:42

Tgt Ion: 43 Resp: 2437
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 0.0 21.3 31.9#
 61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 30.726 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082379.D

Acq: 29 May 2024 18:42

Instrument :

MSVOA_N

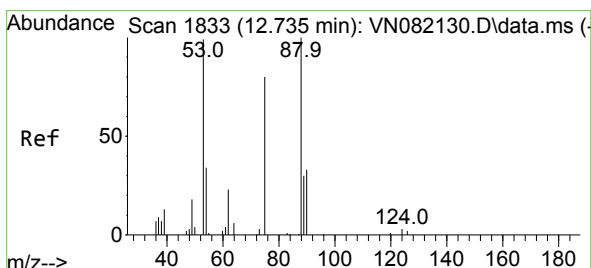
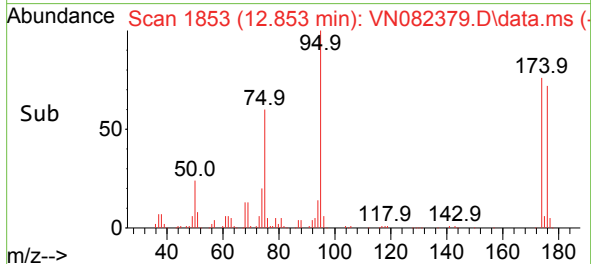
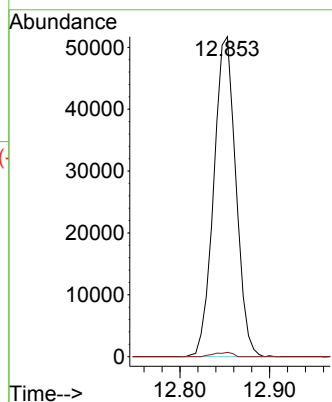
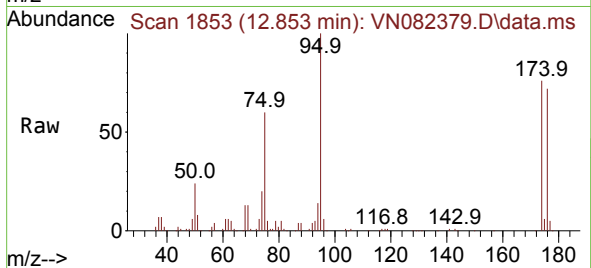
ClientSampleId :

Tgt Ion: 75 Resp: 88542

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.866 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082379.D

Acq: 29 May 2024 18:42

Tgt Ion: 75 Resp: 88542

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

