

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082298.D
 Acq On : 22 May 2024 17:27
 Operator : JC\MD
 Sample : PB161037ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:55:06 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)

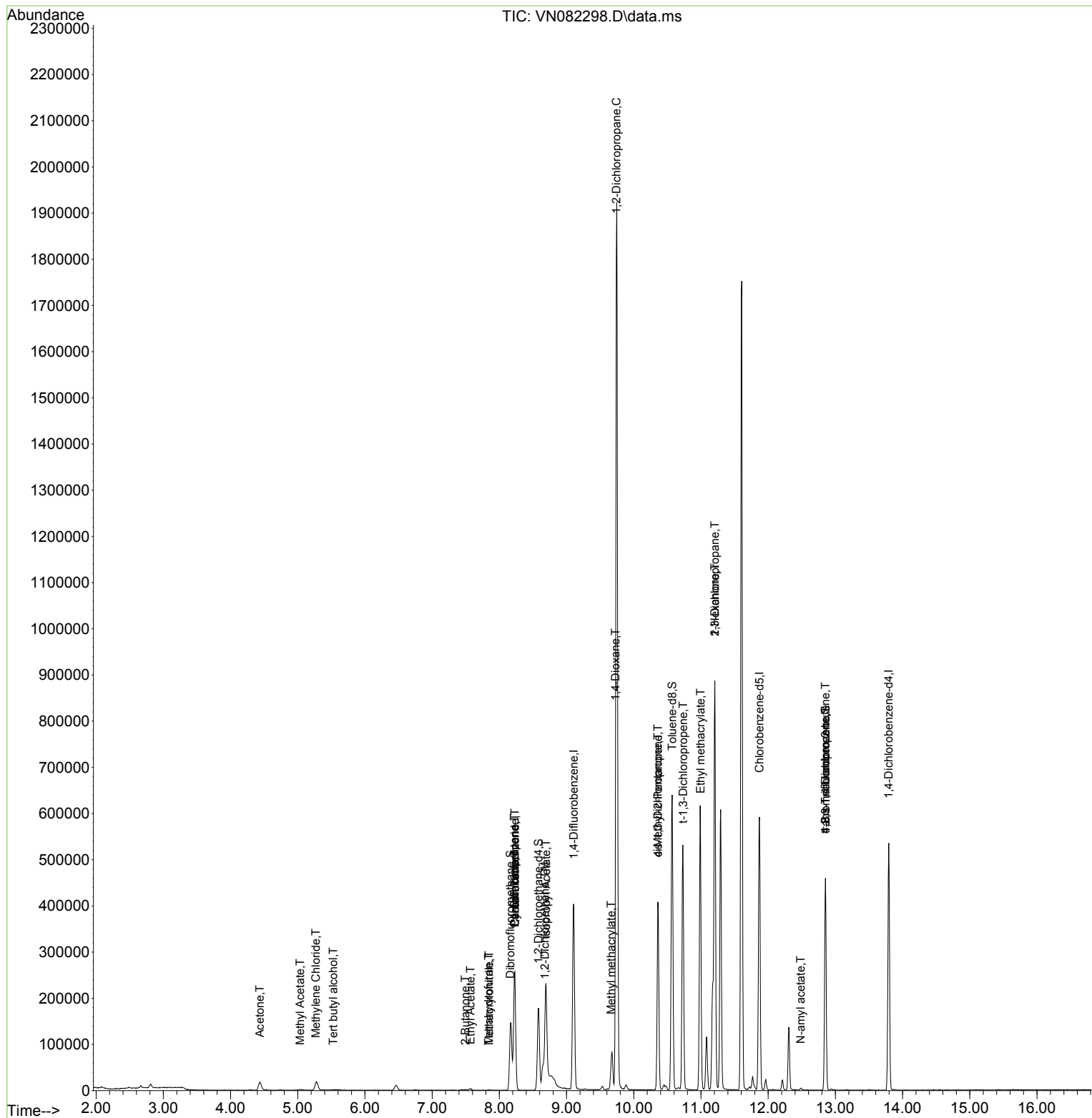
Internal Standards						
1) Pentafluorobenzene	8.230	168	176629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	318639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	311417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	146644	52.579	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.160%			
35) Dibromofluoromethane	8.165	113	105330	53.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.480%			
50) Toluene-d8	10.571	98	411501	54.758	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.520%			
62) 4-Bromofluorobenzene	12.853	95	144118	53.730	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 107.460%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	148	0.331	ug/l #	71
16) Acetone	4.436	43	36778	32.146	ug/l	92
18) Methyl Acetate	5.036	43	4330	1.520	ug/l #	77
20) Methylene Chloride	5.271	84	12112	5.247	ug/l #	75
25) 2-Butanone	7.494	43	2664	1.536	ug/l #	83
29) Tetrahydrofuran	7.841	42	1010	0.907	ug/l #	39
31) Cyclohexane	8.230	56	5124	1.150	ug/l #	39
36) 1,1-Dichloropropene	8.224	75	16748	5.095	ug/l #	49
37) Ethyl Acetate	7.571	43	5677	1.543	ug/l #	92
38) Carbon Tetrachloride	8.230	117	19916	5.976	ug/l #	15
41) Methacrylonitrile	7.847	41	487	0.225	ug/l #	19
42) 1,2-Dichloroethane	8.677	62	1223	0.324	ug/l #	73
43) Isopropyl Acetate	8.694	43	332419	50.992	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	2428	0.960	ug/l #	45
48) Methyl methacrylate	9.665	41	5747	1.850	ug/l #	40
49) 1,4-Dioxane	9.729	88	121	2.780	ug/l #	28
51) 4-Methyl-2-Pentanone	10.359	43	167575	45.243	ug/l #	43
53) t-1,3-Dichloropropene	10.735	75	1221	0.337	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	64442	16.791	ug/l #	75
56) Ethyl methacrylate	10.994	69	1639	0.452	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8341	2.087	ug/l #	42
59) 2-Hexanone	11.206	43	116050	42.791	ug/l #	50
74) N-amyl acetate	12.482	43	2242	0.386	ug/l #	41
76) 1,2,3-Trichloropropane	12.853	75	85798	30.660	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	85798	71.713	ug/l #	12

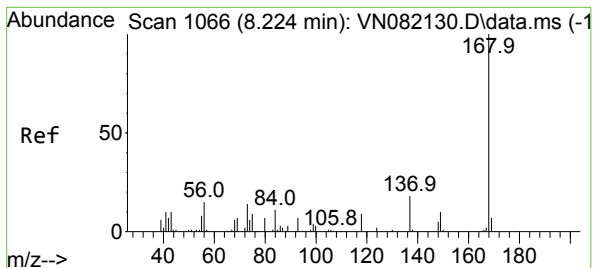
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082298.D

Acq: 22 May 2024 17:27

Instrument :

MSVOA_N

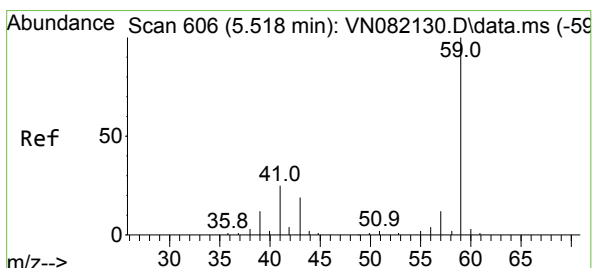
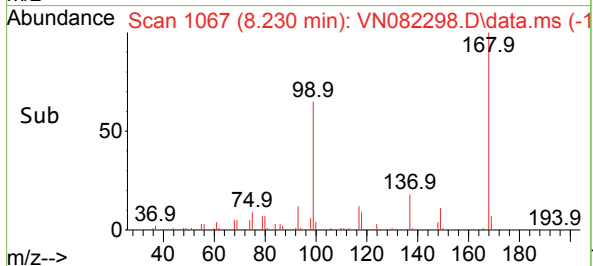
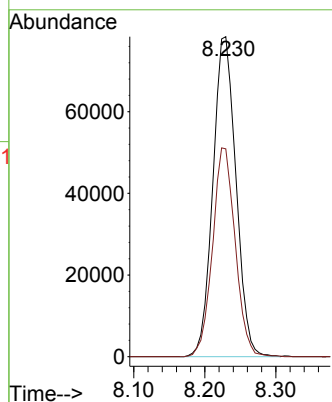
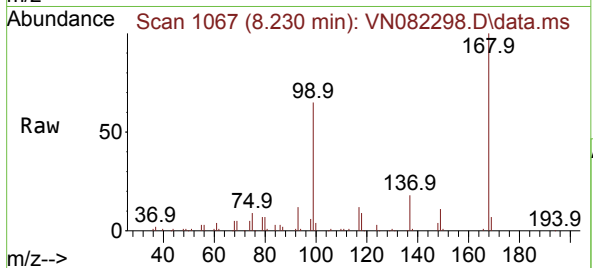
ClientSampleId :

Tgt Ion:168 Resp: 176629

Ion Ratio Lower Upper

168 100

99 64.9 48.2 72.4



#11

Tert butyl alcohol

Concen: 0.331 ug/l

RT: 5.530 min Scan# 608

Delta R.T. 0.012 min

Lab File: VN082298.D

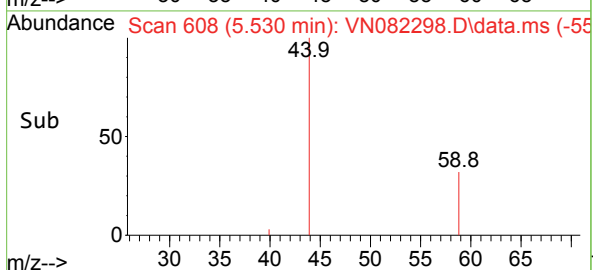
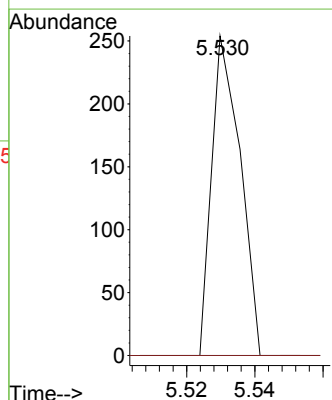
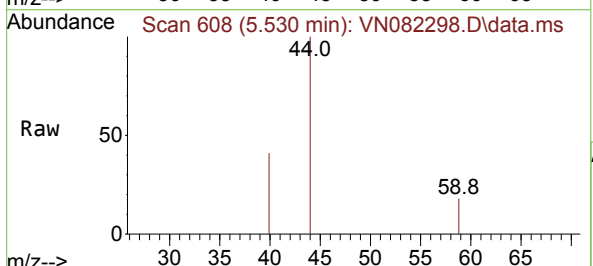
Acq: 22 May 2024 17:27

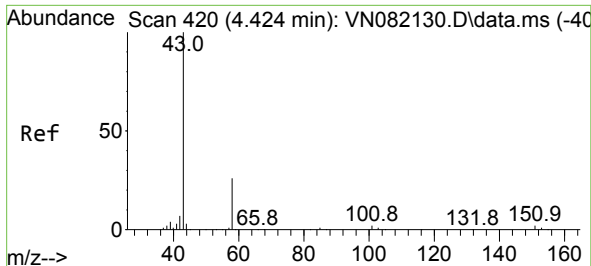
Tgt Ion: 59 Resp: 148

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#

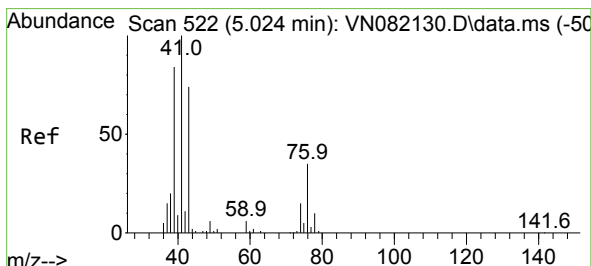
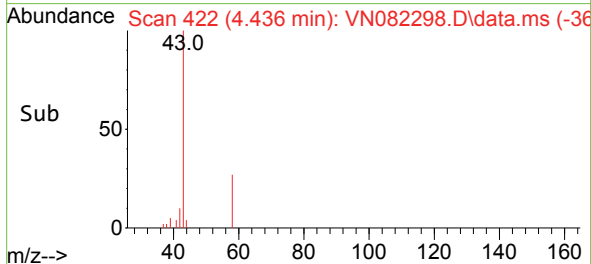
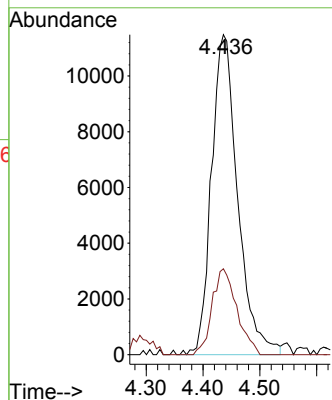
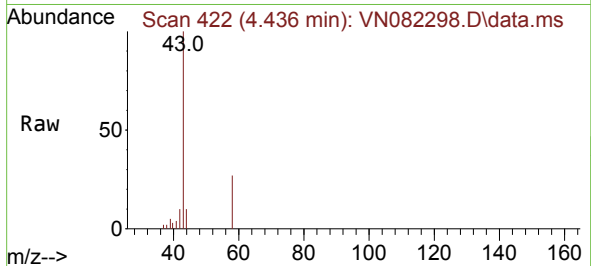




#16
Acetone
Concen: 32.146 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

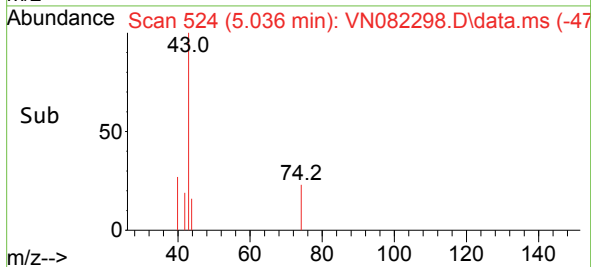
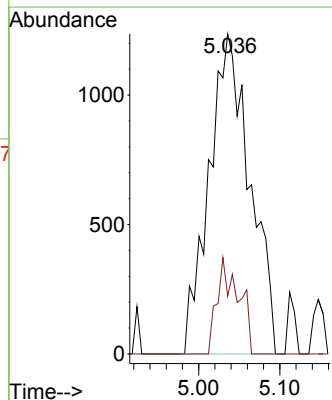
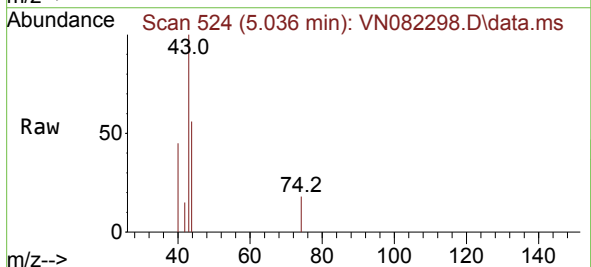
Instrument :
MSVOA_N
ClientSampleId :

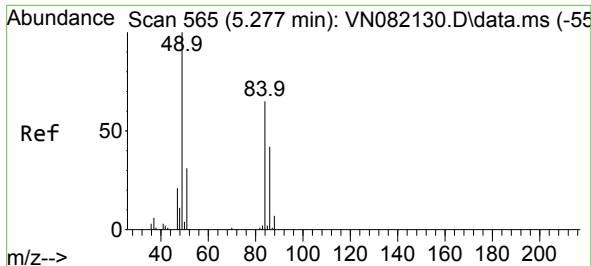
Tgt Ion: 43 Resp: 36778
Ion Ratio Lower Upper
43 100
58 26.9 25.2 37.8



#18
Methyl Acetate
Concen: 1.520 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

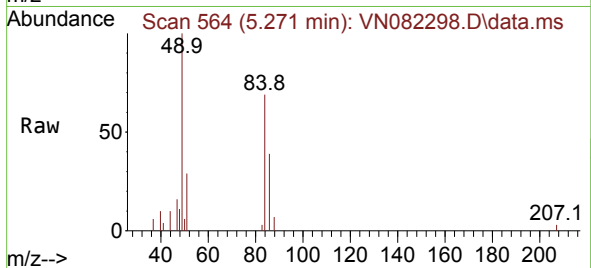
Tgt Ion: 43 Resp: 4330
Ion Ratio Lower Upper
43 100
74 15.8 22.2 33.2#



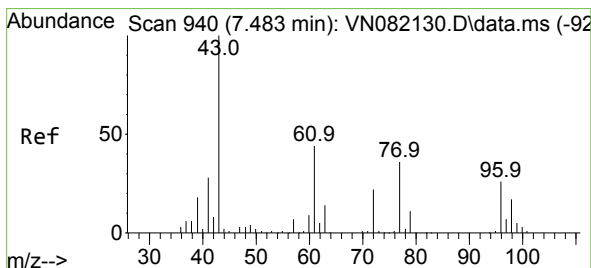
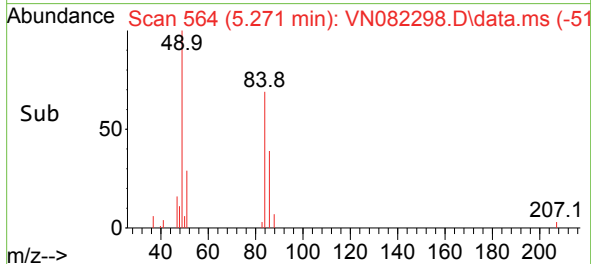
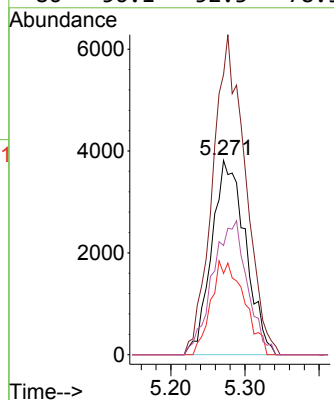


#20
Methylene Chloride
Concen: 5.247 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

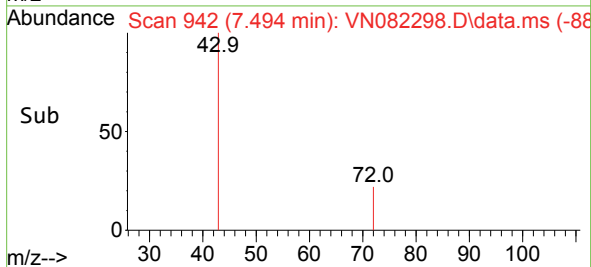
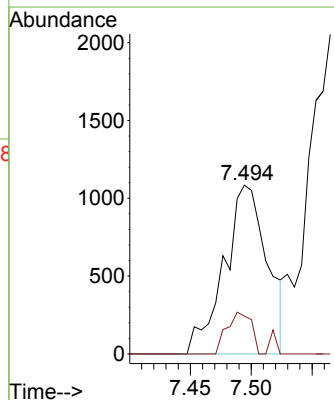
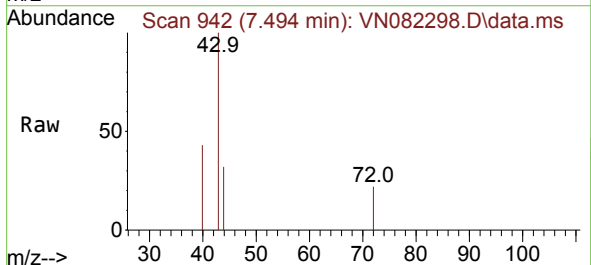


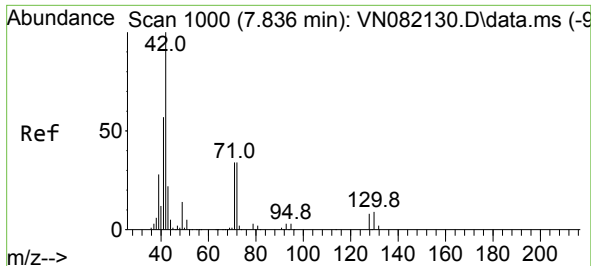
Tgt Ion:	84	Resp:	12112
Ion	Ratio	Lower	Upper
84	100		
49	144.2	84.9	127.3#
51	41.8	27.0	40.6#
86	56.1	52.3	78.5



#25
2-Butanone
Concen: 1.536 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Tgt Ion:	43	Resp:	2664
Ion	Ratio	Lower	Upper
43	100		
72	22.4	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.907 ug/l

RT: 7.841 min Scan# 10

Delta R.T. 0.005 min

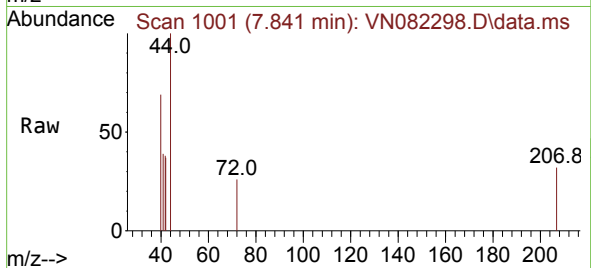
Lab File: VN082298.D

Acq: 22 May 2024 17:27

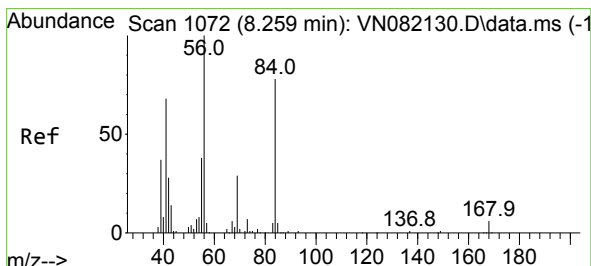
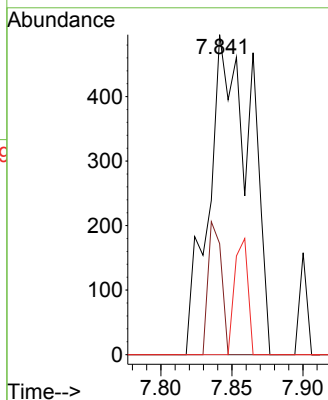
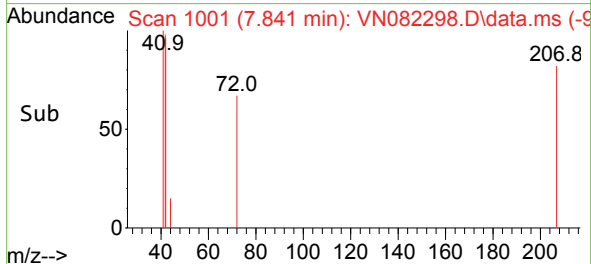
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 1010
Ion Ratio	Lower Upper
42	100
72	13.2 39.3 58.9#
71	0.0 37.4 56.0#



#31

Cyclohexane

Concen: 1.150 ug/l

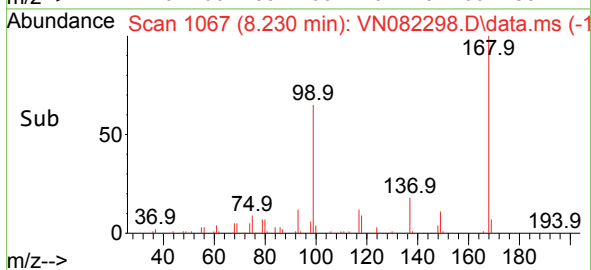
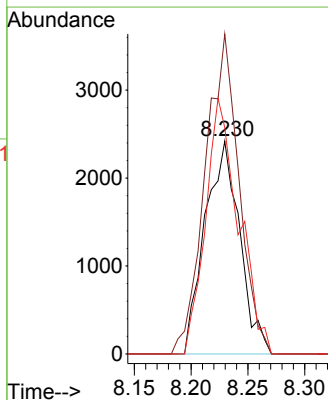
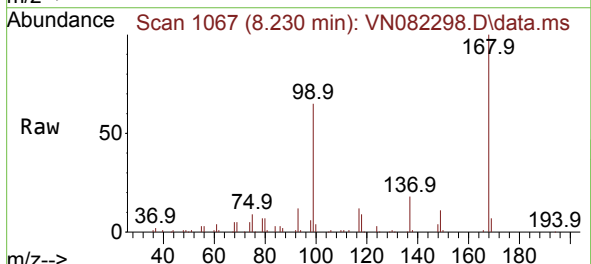
RT: 8.230 min Scan# 1067

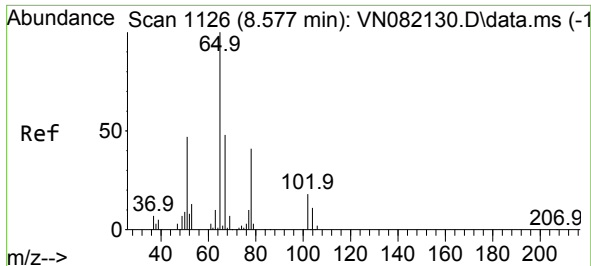
Delta R.T. -0.029 min

Lab File: VN082298.D

Acq: 22 May 2024 17:27

Tgt Ion: 56	Resp: 5124
Ion Ratio	Lower Upper
56	100
69	150.4 24.4 36.6#
84	106.4 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 52.579 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

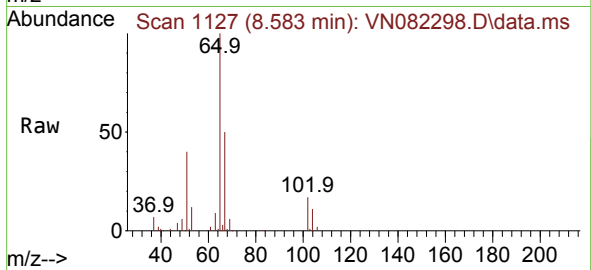
Lab File: VN082298.D

Acq: 22 May 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

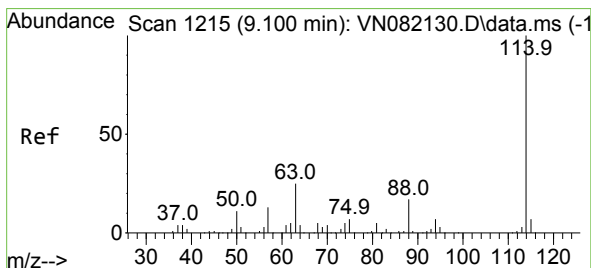
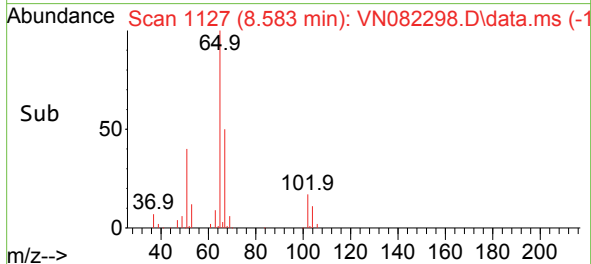
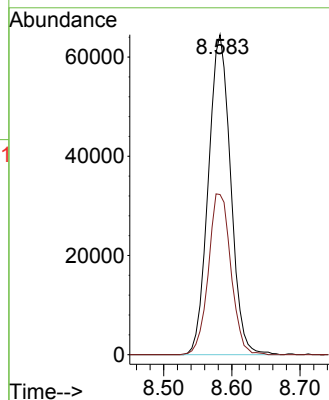


Tgt Ion: 65 Resp: 146644

Ion Ratio Lower Upper

65 100

67 50.8 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: VN082298.D

Acq: 22 May 2024 17:27

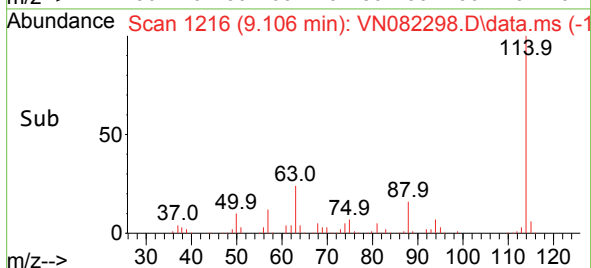
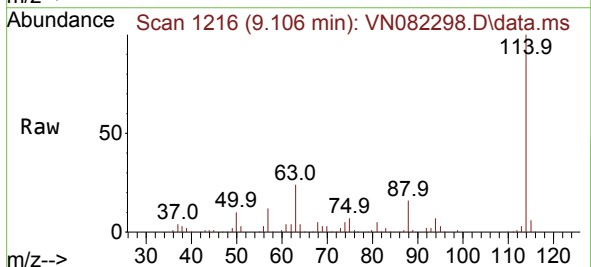
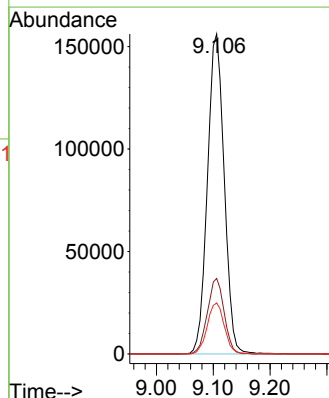
Tgt Ion: 114 Resp: 318639

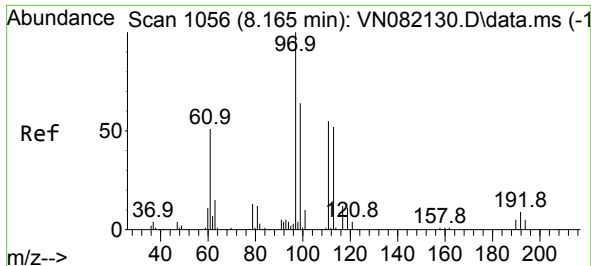
Ion Ratio Lower Upper

114 100

63 23.6 0.0 41.0

88 15.9 0.0 31.4

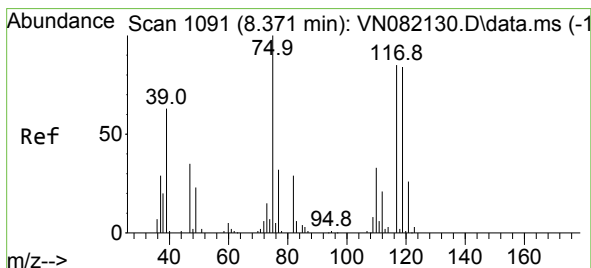
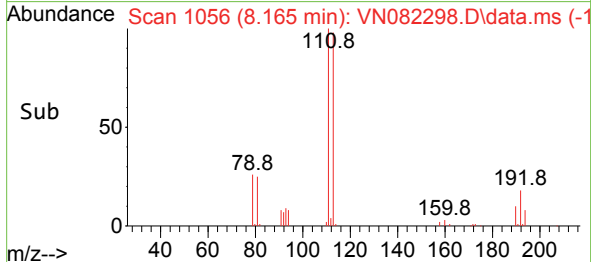
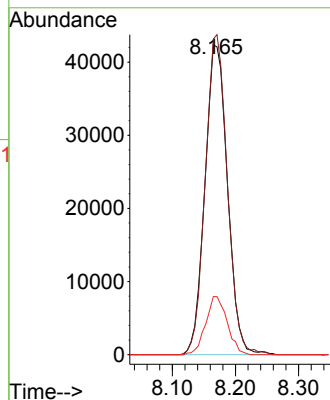
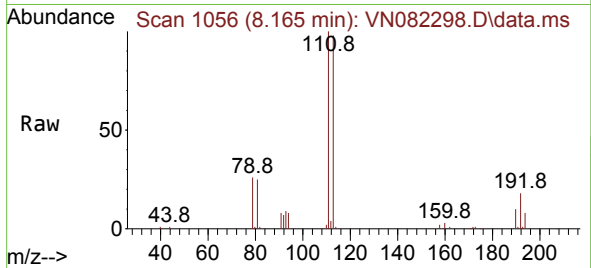




#35
Dibromofluoromethane
Concen: 53.736 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

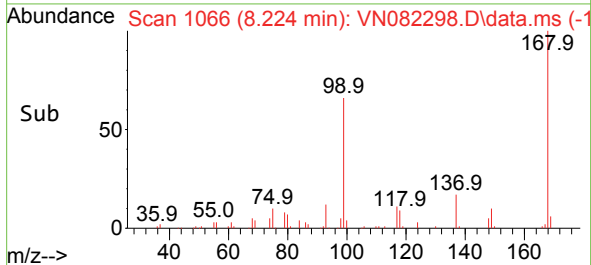
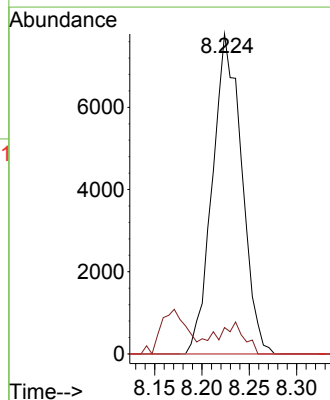
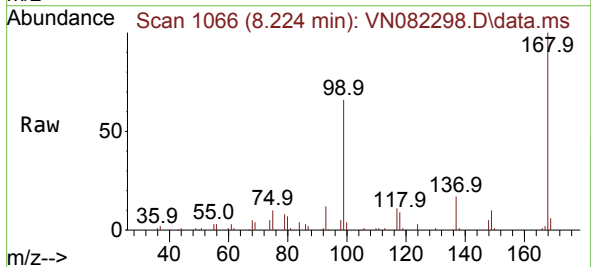
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MSVOA_N
ClientSampleId :

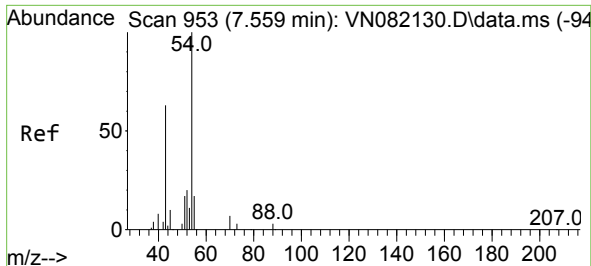
Tgt Ion:113 Resp: 105330
Ion Ratio Lower Upper
113 100
111 100.9 83.4 125.2
192 17.8 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.095 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Tgt Ion: 75 Resp: 16748
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.543 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

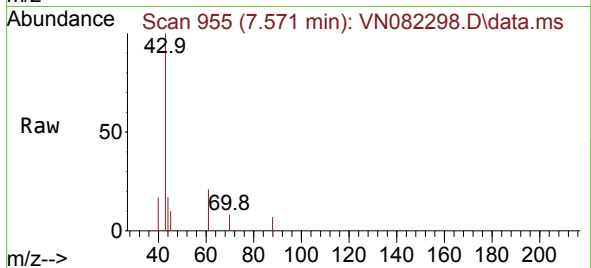
Lab File: VN082298.D

Acq: 22 May 2024 17:27

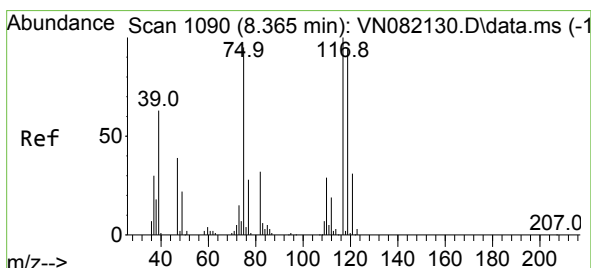
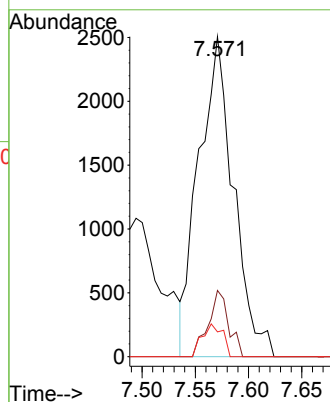
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	5677
Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.3	16.9
70	6.0	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.976 ug/l

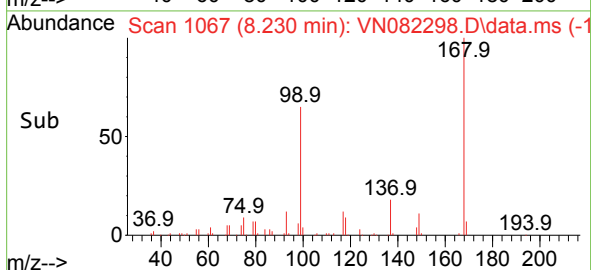
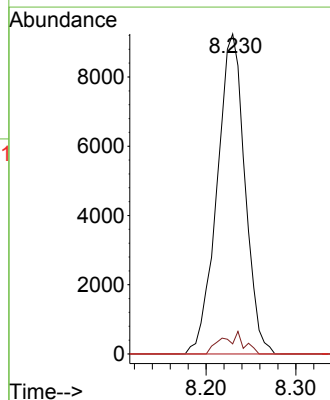
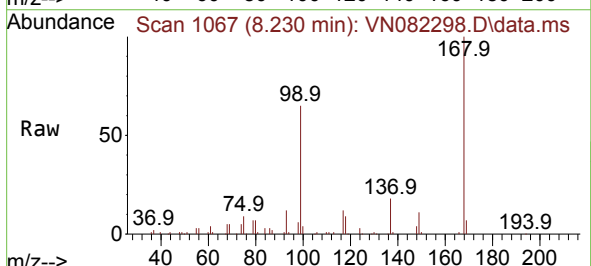
RT: 8.230 min Scan# 1067

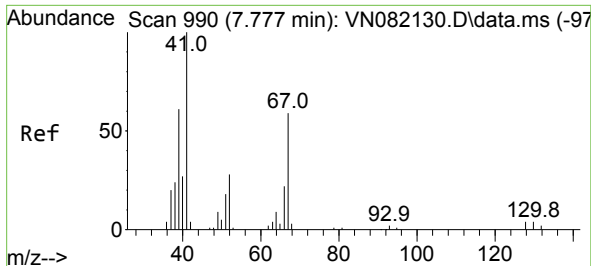
Delta R.T. -0.135 min

Lab File: VN082298.D

Acq: 22 May 2024 17:27

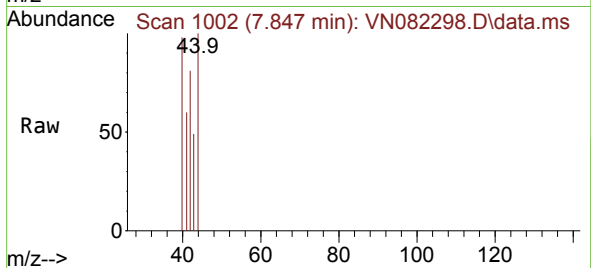
Tgt Ion:	117	Resp:	19916
Ion	Ratio	Lower	Upper
117	100		
119	3.1	76.5	114.7#
121	0.0	23.9	35.9#



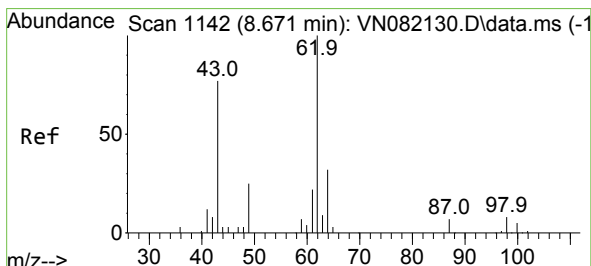
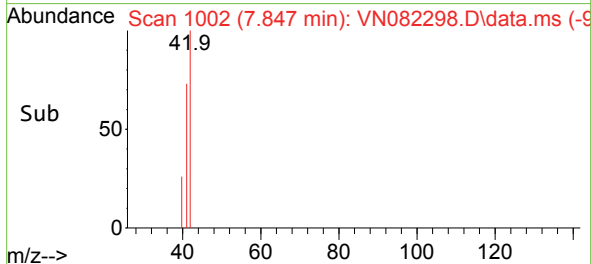
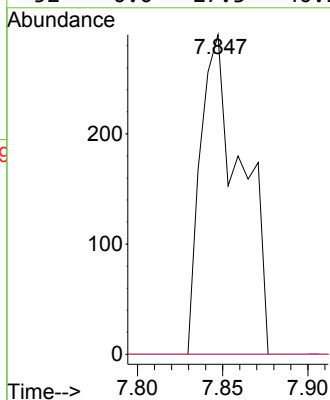


#41
Methacrylonitrile
Concen: 0.225 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.071 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

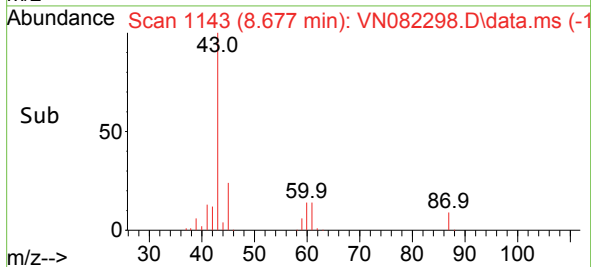
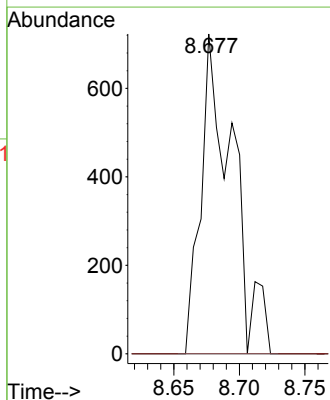
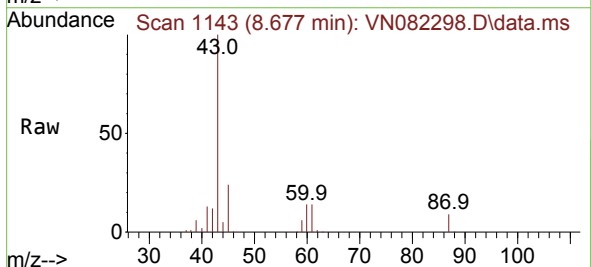


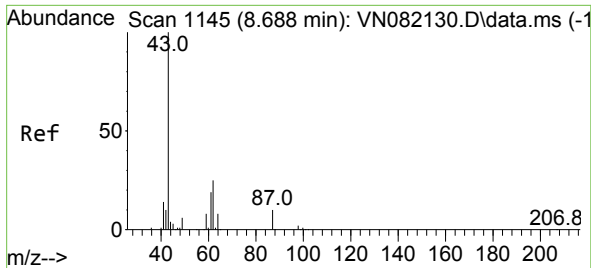
Tgt Ion: 41 Resp: 487
Ion Ratio Lower Upper
41 100
39 0.0 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.324 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

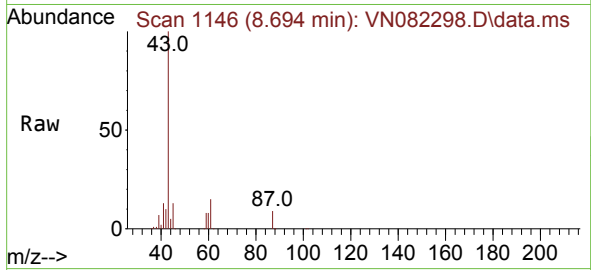
Tgt Ion: 62 Resp: 1223
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



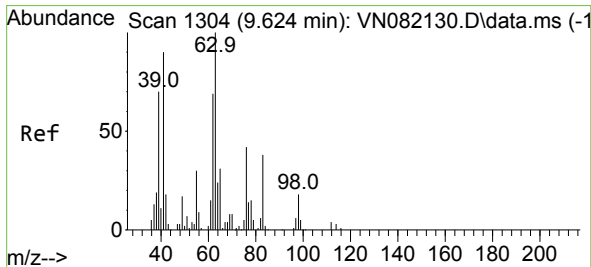
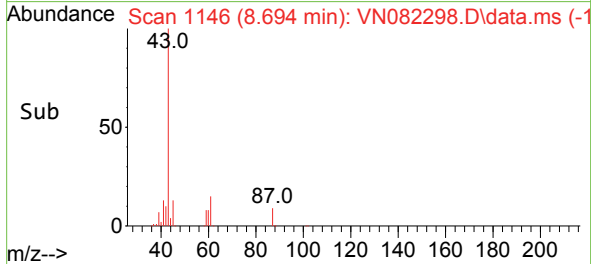
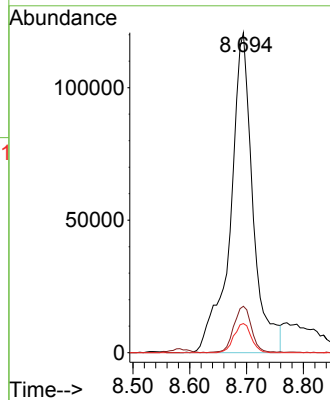


#43
Isopropyl Acetate
Concen: 50.992 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

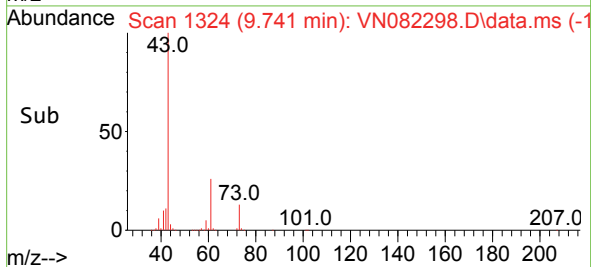
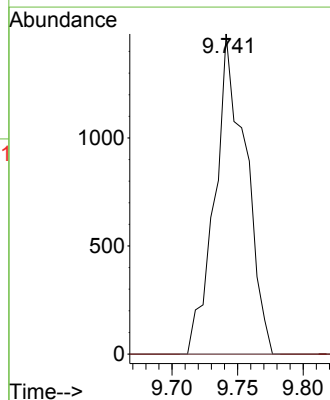
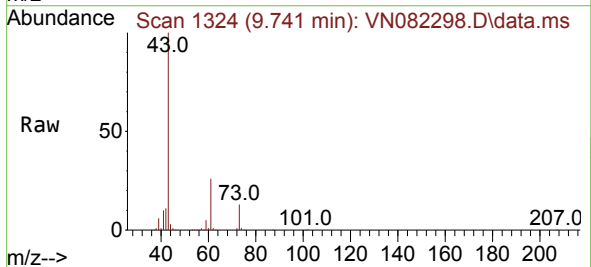


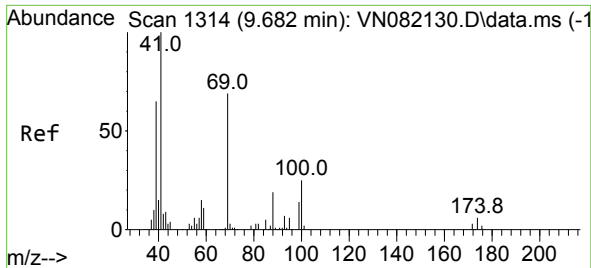
Tgt Ion: 43 Resp: 332419
Ion Ratio Lower Upper
43 100
61 11.5 22.8 34.2#
87 7.0 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.960 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Tgt Ion: 63 Resp: 2428
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#

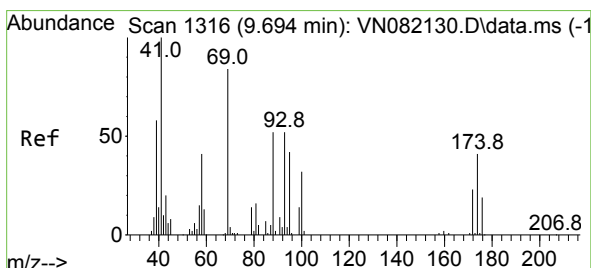
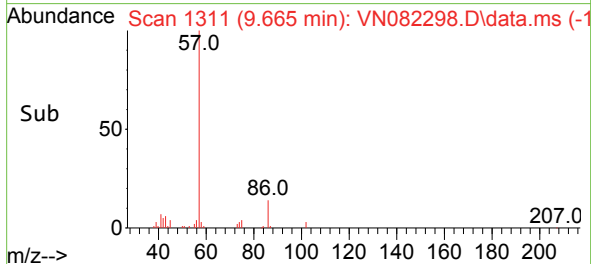
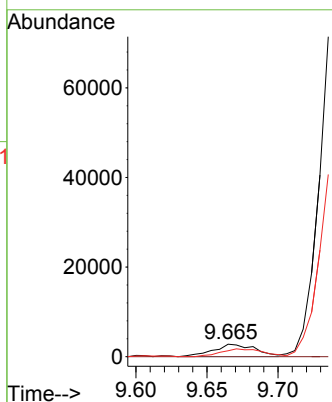
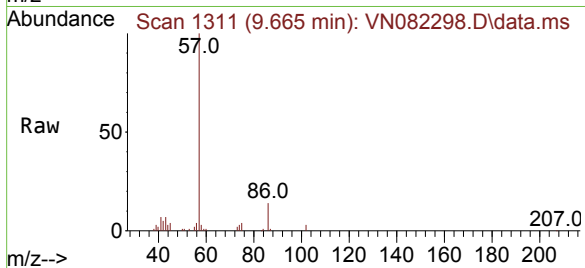




#48
Methyl methacrylate
Concen: 1.850 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

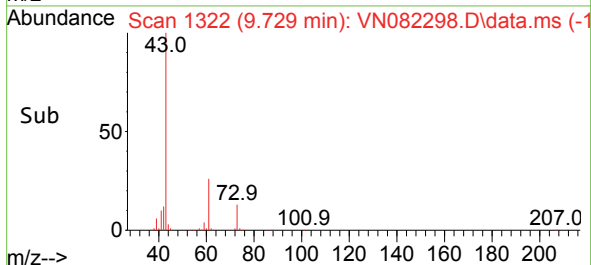
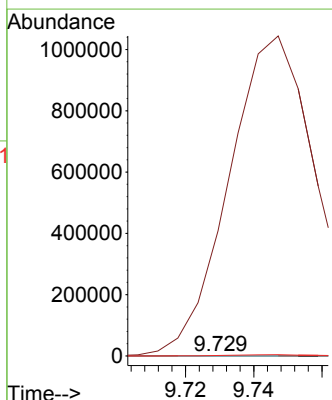
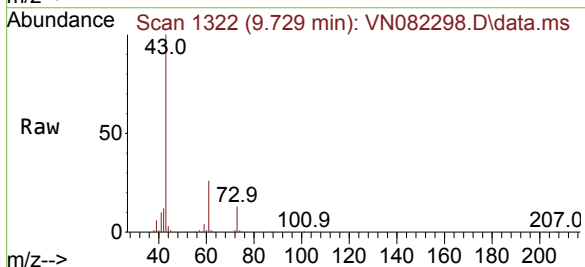
Instrument :
MSVOA_N
ClientSampleId :

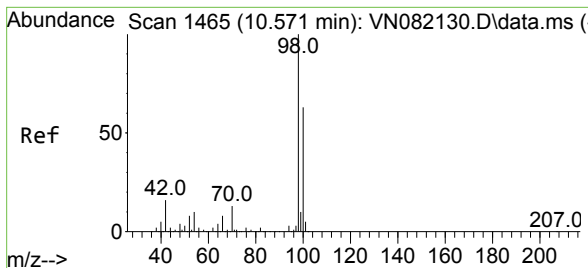
Tgt Ion: 41 Resp: 5747
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 64.0 50.9 76.3



#49
1,4-Dioxane
Concen: 2.780 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.035 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Tgt Ion: 88 Resp: 121
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 50.6 76.0#

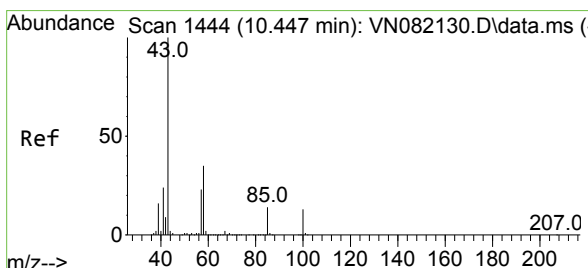
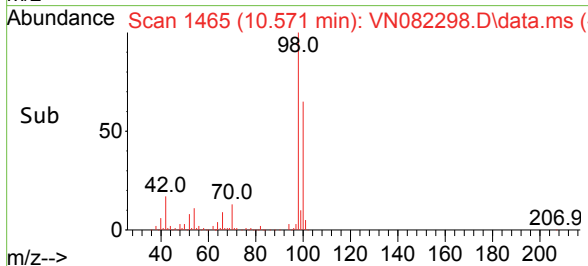
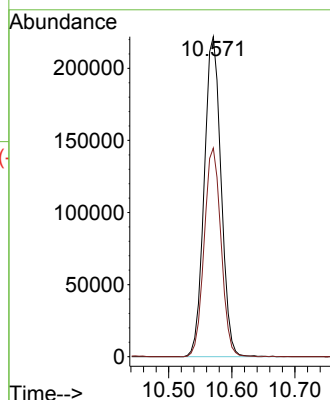
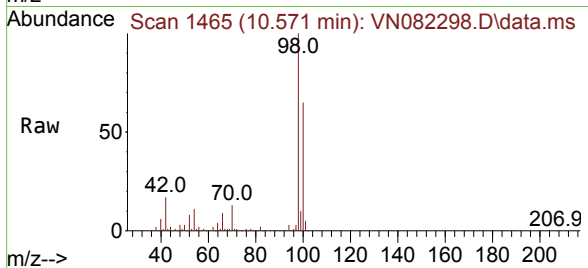




#50
Toluene-d8
Concen: 54.758 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

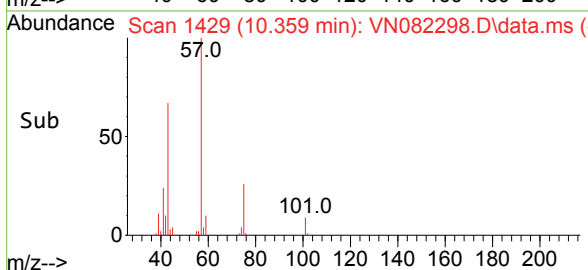
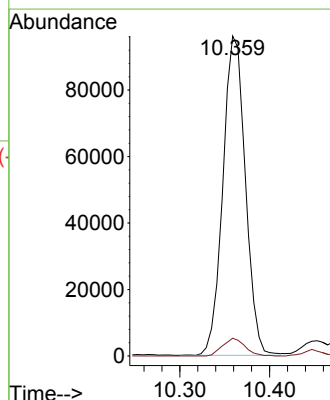
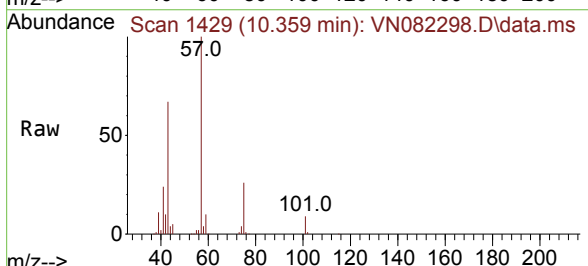
Instrument :
MSVOA_N
ClientSampleId :

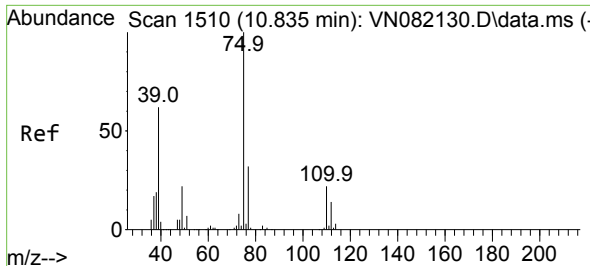
Tgt Ion: 98 Resp: 411501
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 45.243 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

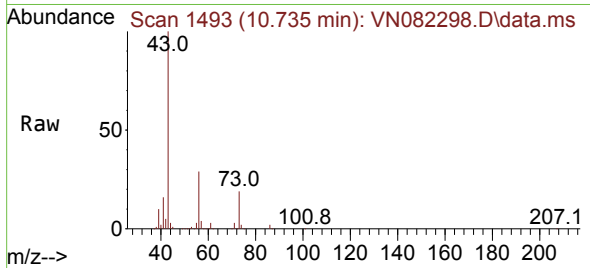
Tgt Ion: 43 Resp: 167575
Ion Ratio Lower Upper
43 100
58 5.5 33.2 49.8#



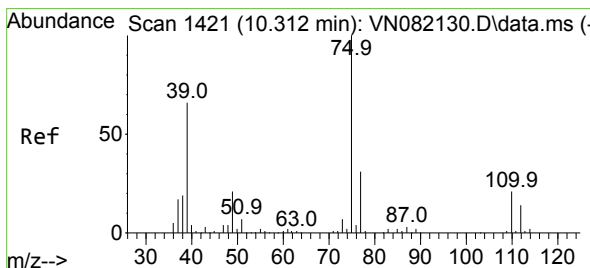
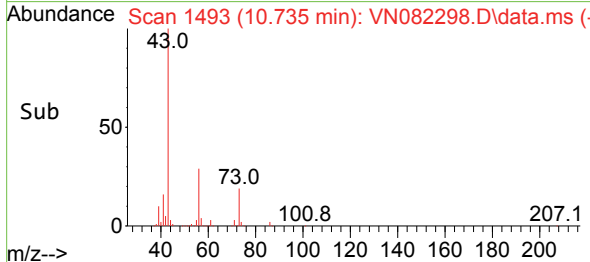
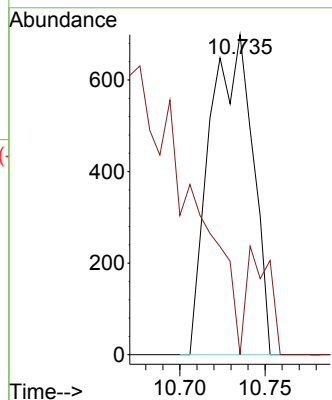


#53
t-1,3-Dichloropropene
Concen: 0.337 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

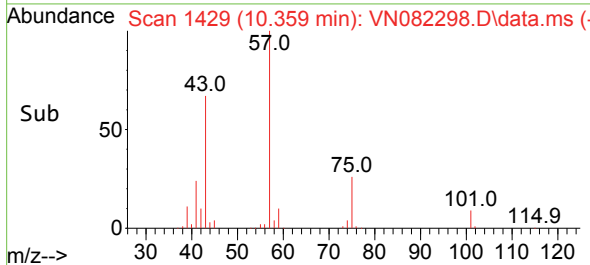
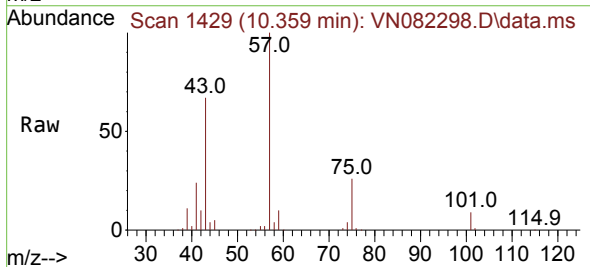
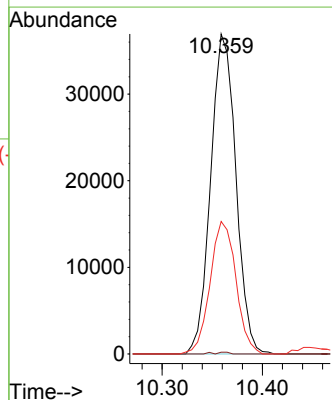


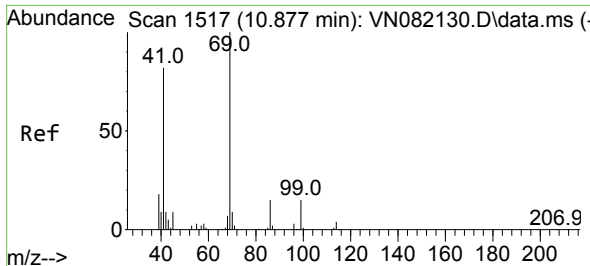
Tgt Ion: 75 Resp: 1221
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#54
cis-1,3-Dichloropropene
Concen: 16.791 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

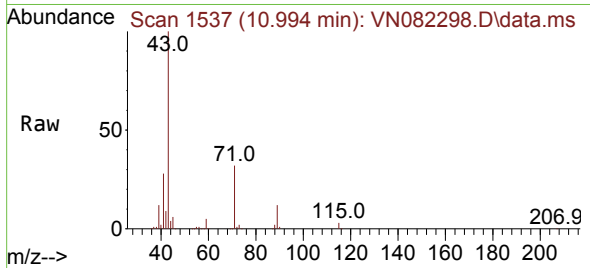
Tgt Ion: 75 Resp: 64442
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 41.4 34.8 52.2



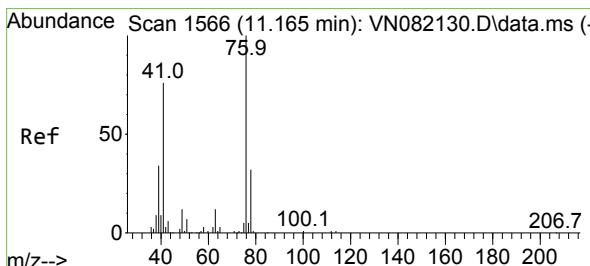
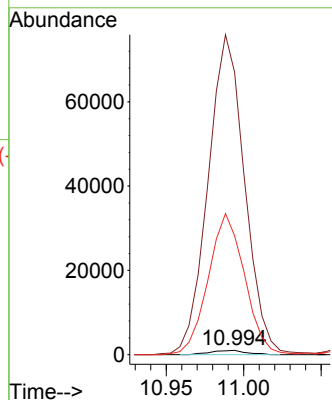
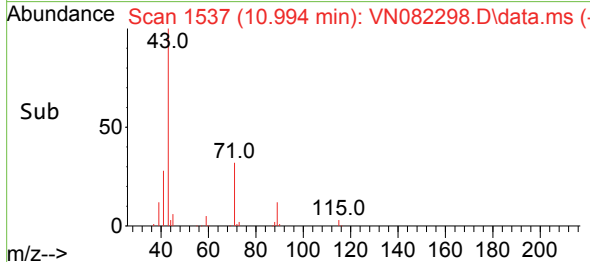


#56
Ethyl methacrylate
Concen: 0.452 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. 0.118 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

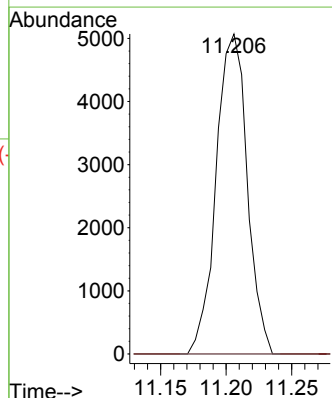
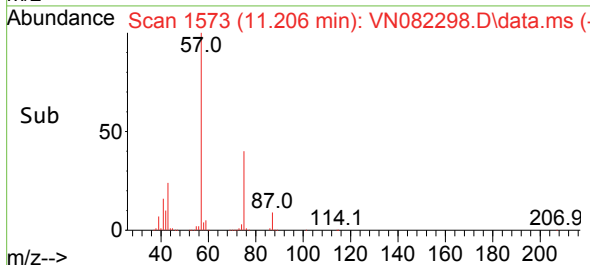
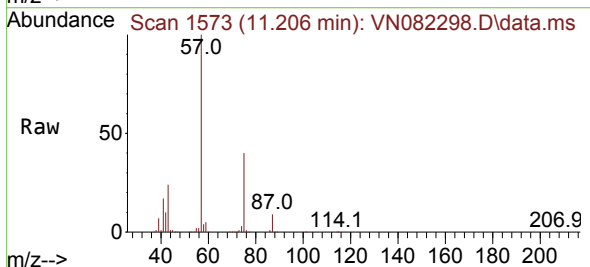


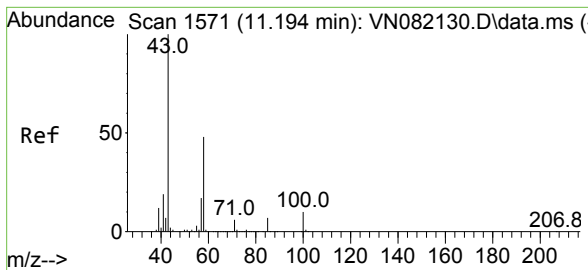
Tgt Ion: 69 Resp: 1639
Ion Ratio Lower Upper
69 100
41 7631.7 46.6 70.0#
39 3332.0 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 2.087 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Tgt Ion: 76 Resp: 8341
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

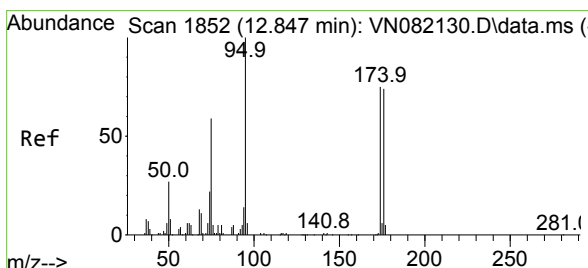
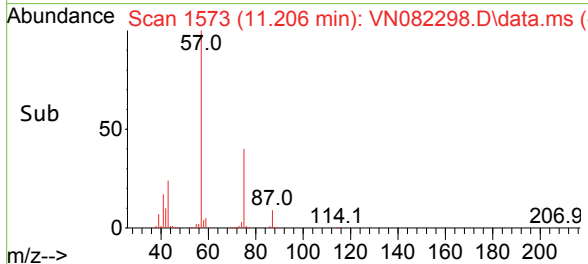
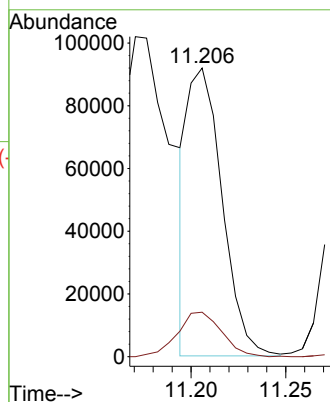
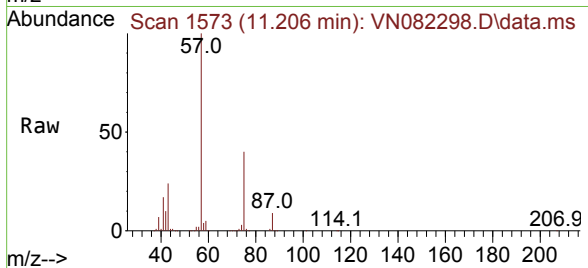




#59
2-Hexanone
Concen: 42.791 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

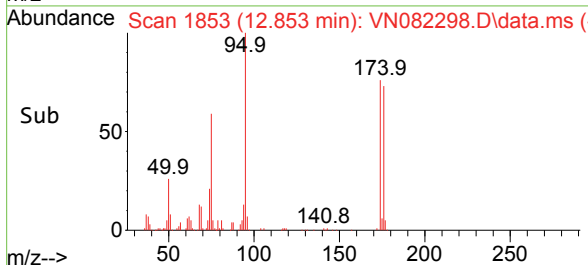
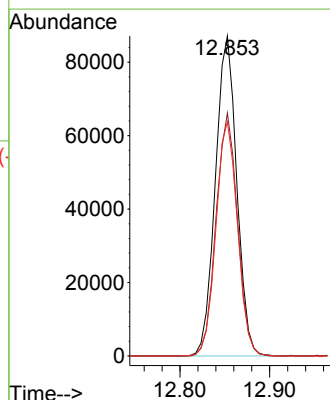
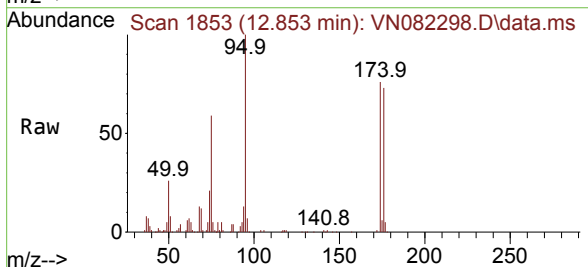
Instrument :
MSVOA_N
ClientSampleId :

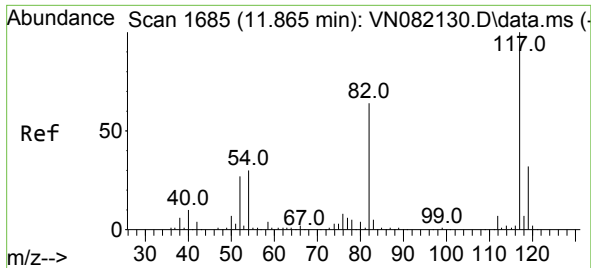
Tgt Ion: 43 Resp: 116050
Ion Ratio Lower Upper
43 100
58 19.9 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.730 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Tgt Ion: 95 Resp: 144118
Ion Ratio Lower Upper
95 100
174 76.2 0.0 160.6
176 73.5 0.0 152.8

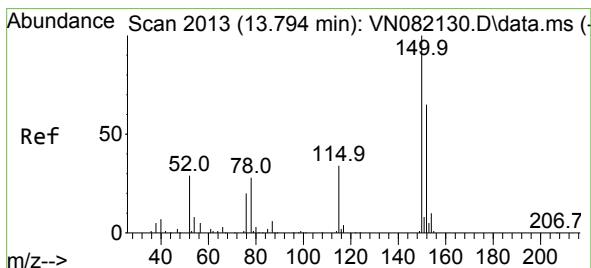
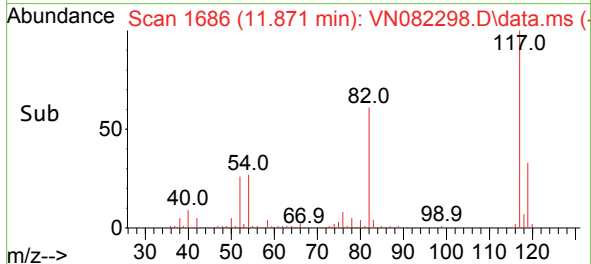
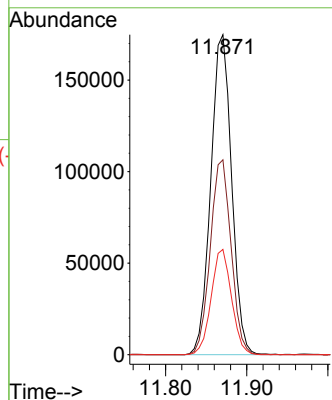
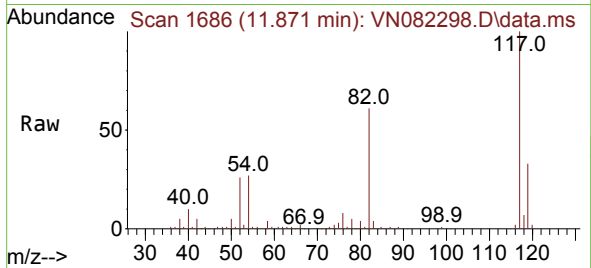




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

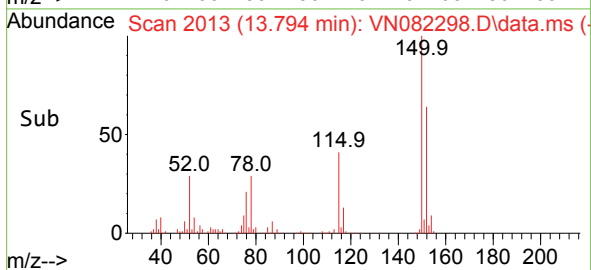
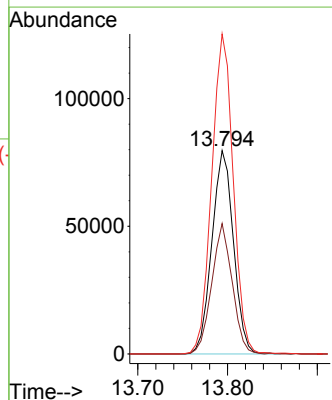
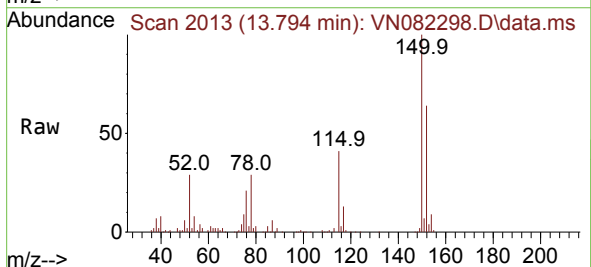
Instrument :
MSVOA_N
ClientSampleId :

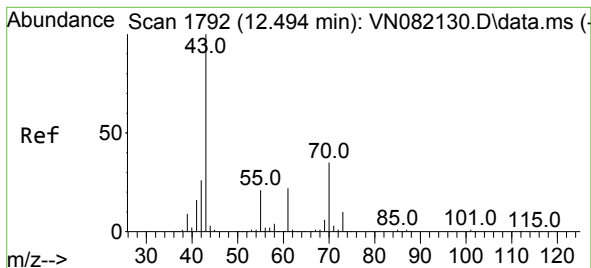
Tgt Ion:117 Resp: 311417
Ion Ratio Lower Upper
117 100
82 60.9 44.6 66.8
119 32.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

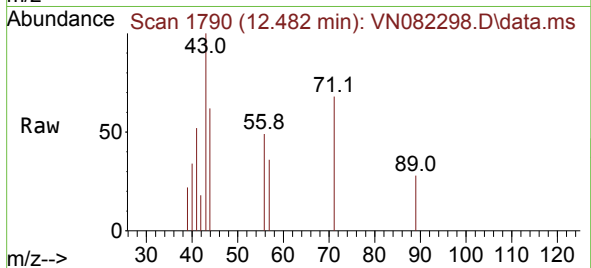
Tgt Ion:152 Resp: 132953
Ion Ratio Lower Upper
152 100
115 60.8 30.4 91.3
150 156.6 0.0 353.2



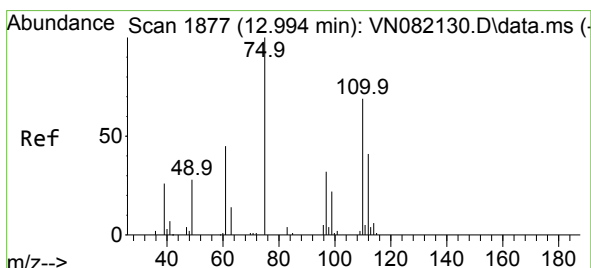
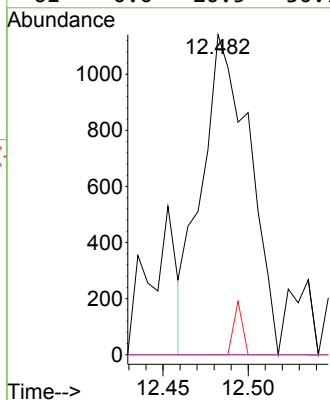
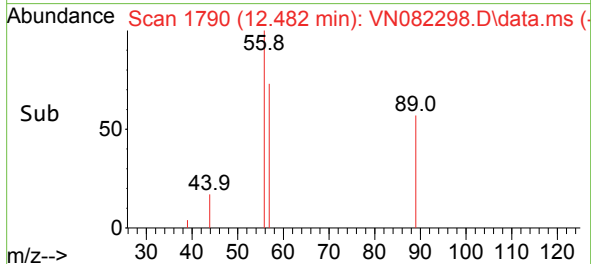


#74
N-amy1 acetate
Concen: 0.386 ug/l
RT: 12.482 min Scan# 1
Delta R.T. -0.012 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :

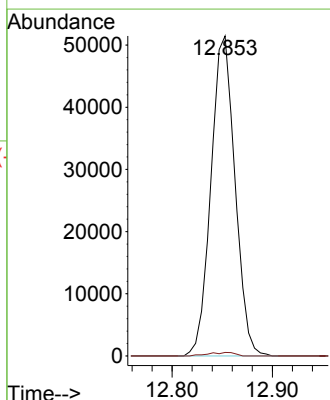
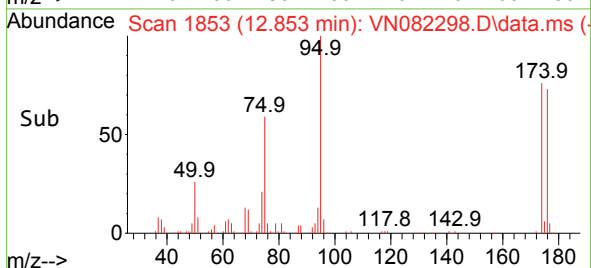
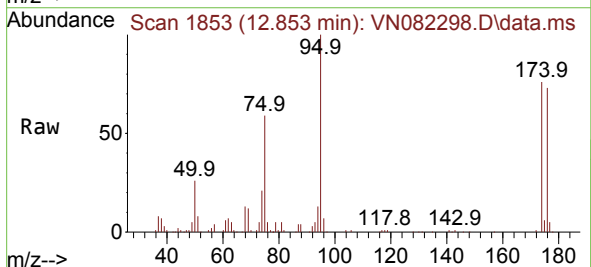


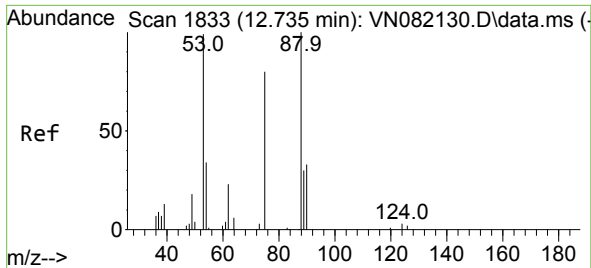
Tgt Ion:	43	Resp:	2242
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	3.0	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 30.660 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

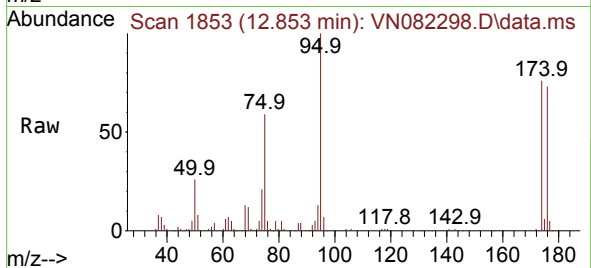
Tgt Ion:	75	Resp:	85798
Ion	Ratio	Lower	Upper
75	100		
77	1.2	90.5	271.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 71.713 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN082298.D
Acq: 22 May 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 85798
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

