

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060524\
 Data File : VN082466.D
 Acq On : 05 Jun 2024 13:24
 Operator : JC\MD
 Sample : PB161297ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 06 00:55:28 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)

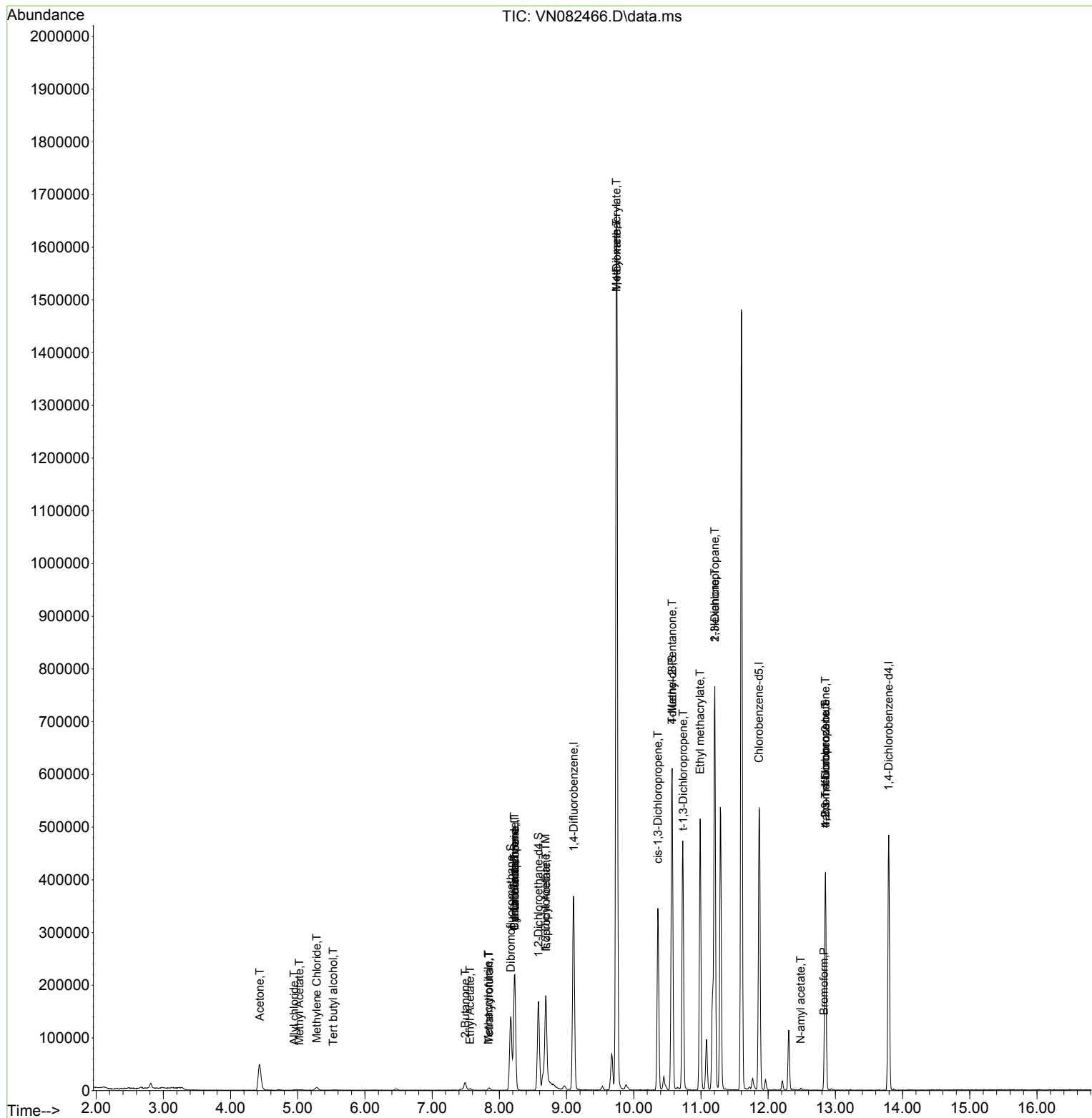
Internal Standards						
1) Pentafluorobenzene	8.230	168	154687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	288968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	119109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135999	55.679	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.360%			
35) Dibromofluoromethane	8.171	113	98991	55.688	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.380%			
50) Toluene-d8	10.571	98	386512	56.713	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.420%#			
62) 4-Bromofluorobenzene	12.853	95	129234	53.128	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 106.260%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	611	1.558	ug/l #	71
14) Allyl chloride	4.947	41	1906	0.527	ug/l #	21
16) Acetone	4.436	43	97284	97.092	ug/l	93
18) Methyl Acetate	5.024	43	1135	0.455	ug/l #	71
20) Methylene Chloride	5.283	84	4224	2.089	ug/l #	80
25) 2-Butanone	7.494	43	24453	16.096	ug/l #	84
29) Tetrahydrofuran	7.847	42	3282	3.365	ug/l #	84
31) Cyclohexane	8.224	56	4239	1.087	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	14644	4.912	ug/l #	49
37) Ethyl Acetate	7.565	43	4448	1.333	ug/l #	75
38) Carbon Tetrachloride	8.224	117	16717	5.531	ug/l #	15
41) Methacrylonitrile	7.835	41	2476	1.262	ug/l #	43
42) 1,2-Dichloroethane	8.688	62	1126	0.329	ug/l #	73
43) Isopropyl Acetate	8.694	43	258768	43.770	ug/l #	73
48) Methyl methacrylate	9.741	41	168314	59.749	ug/l #	37
49) 1,4-Dioxane	9.747	88	55	1.393	ug/l #	1
51) 4-Methyl-2-Pentanone	10.571	43	9774	2.910	ug/l	99
53) t-1,3-Dichloropropene	10.735	75	953	0.290	ug/l	97
54) cis-1,3-Dichloropropene	10.359	75	53522	15.378	ug/l #	75
56) Ethyl methacrylate	10.988	69	1828	0.555	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6757	1.864	ug/l #	42
59) 2-Hexanone	11.206	43	119389	48.542	ug/l #	47
71) Bromoform	12.829	173	63	0.738	ug/l #	28
74) N-amyl acetate	12.482	43	1963	0.377	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	75506	30.118	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75506	70.446	ug/l #	12

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

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Data File : VN082466.D
Acq On : 05 Jun 2024 13:24
Operator : JC\MD
Sample : PB161297ZHE#02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

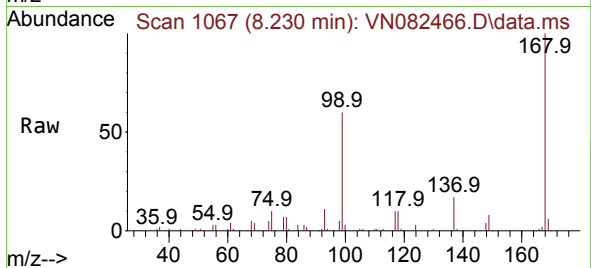
Quant Time: Jun 06 00:55:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



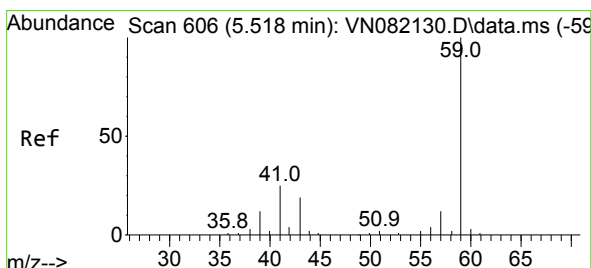
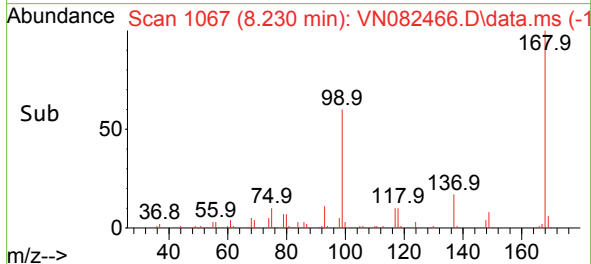
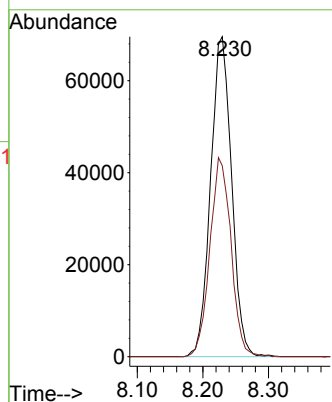


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

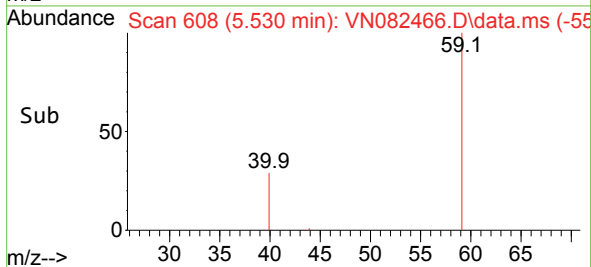
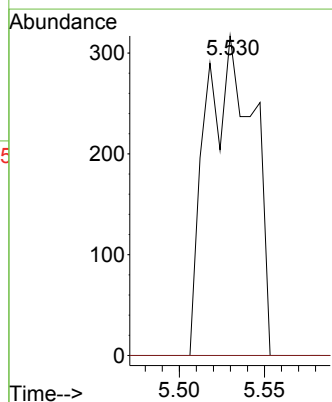
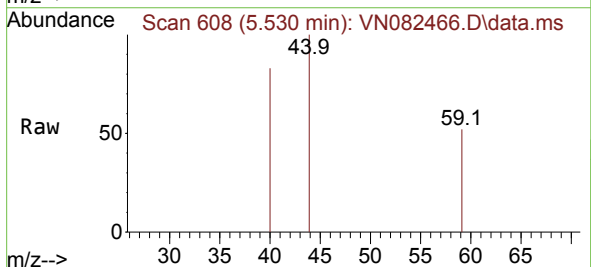


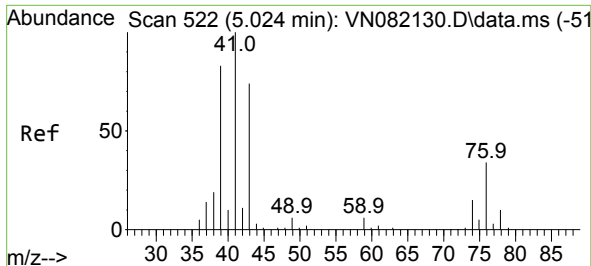
Tgt Ion:168 Resp: 154687
Ion Ratio Lower Upper
168 100
99 59.7 48.2 72.4



#11
Tert butyl alcohol
Concen: 1.558 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

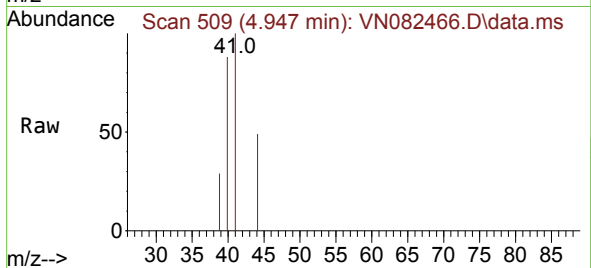
Tgt Ion: 59 Resp: 611
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



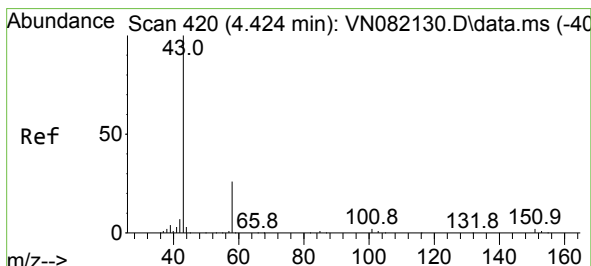
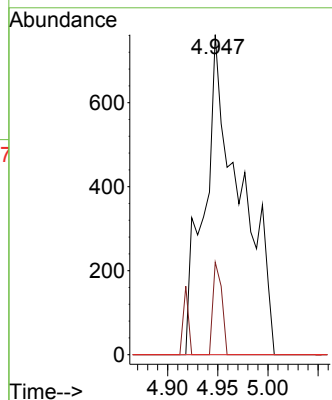
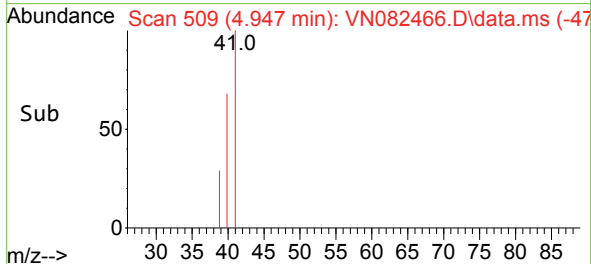


#14
Allyl chloride
Concen: 0.527 ug/l
RT: 4.947 min Scan# 509
Delta R.T. -0.077 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

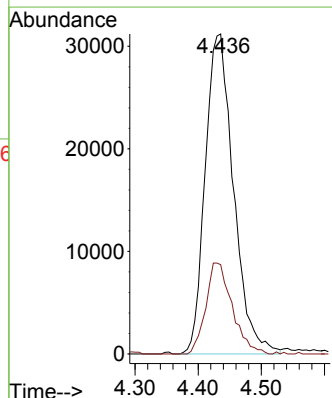
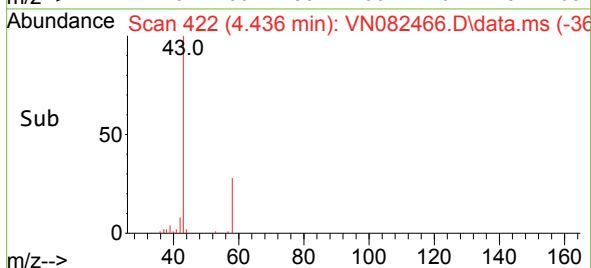
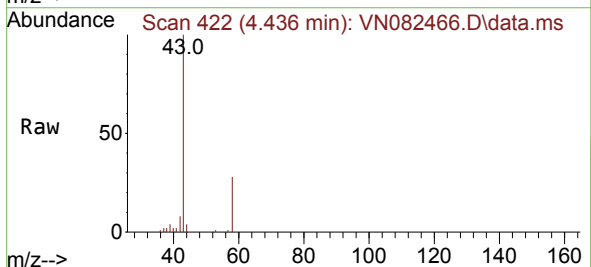


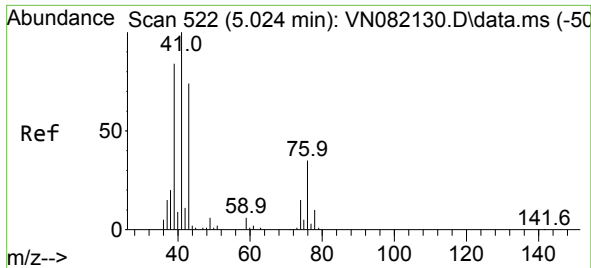
Tgt Ion: 41 Resp: 1906
Ion Ratio Lower Upper
41 100
39 7.1 65.4 98.0#
76 0.0 37.3 55.9#



#16
Acetone
Concen: 97.092 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

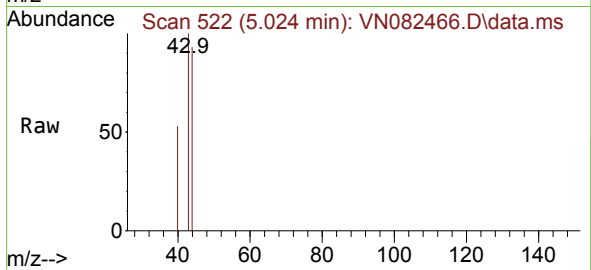
Tgt Ion: 43 Resp: 97284
Ion Ratio Lower Upper
43 100
58 27.9 25.2 37.8



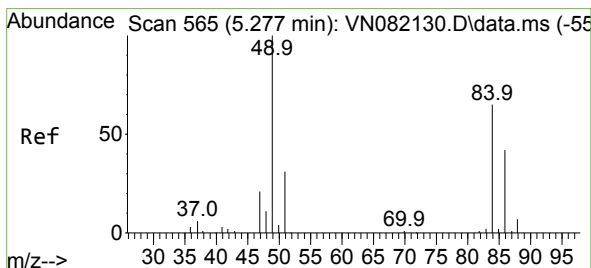
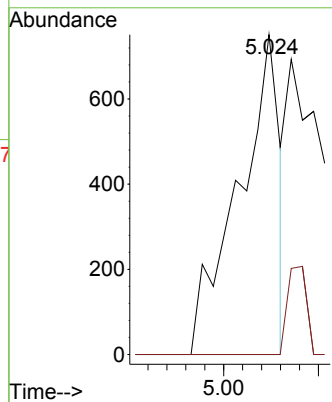
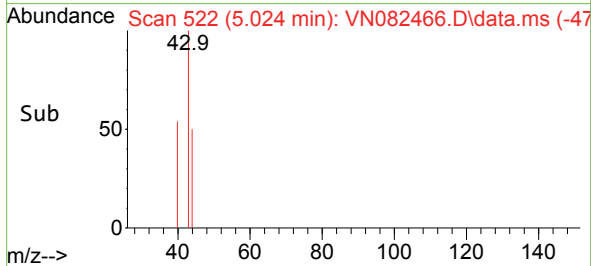


#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

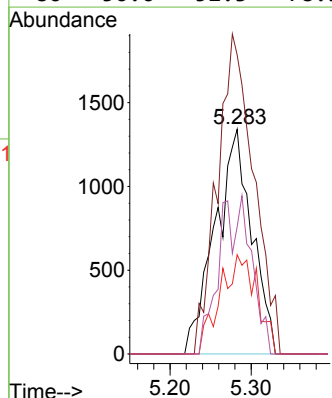
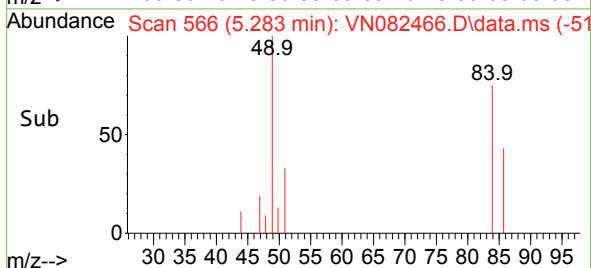
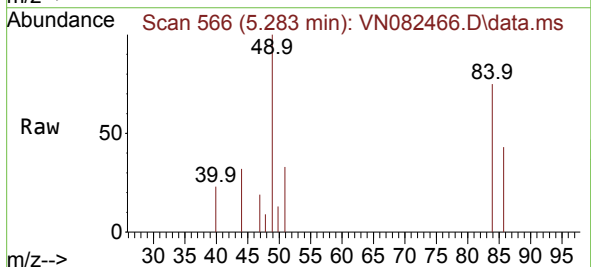


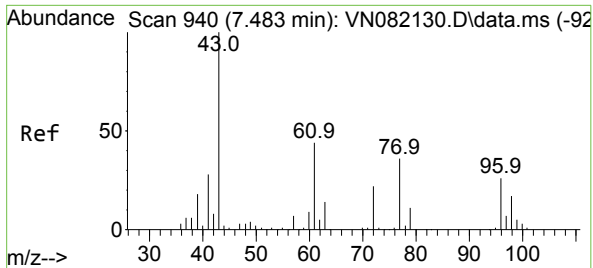
Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
74 12.7 22.2 33.2#



#20
Methylene Chloride
Concen: 2.089 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Tgt Ion: 84 Resp: 4224
Ion Ratio Lower Upper
84 100
49 133.1 84.9 127.3#
51 44.1 27.0 40.6#
86 56.6 52.3 78.5

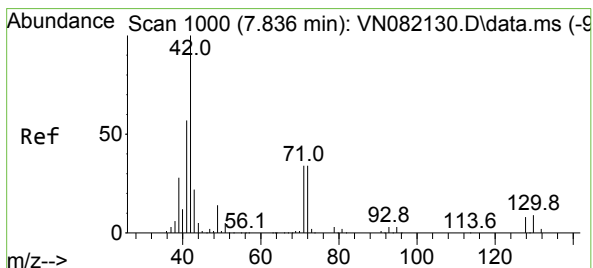
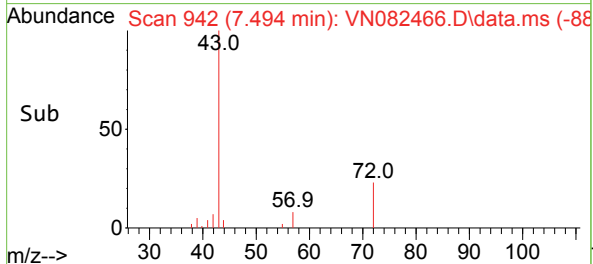
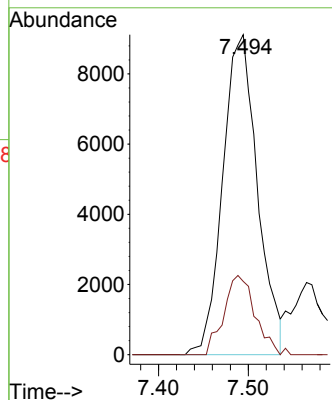
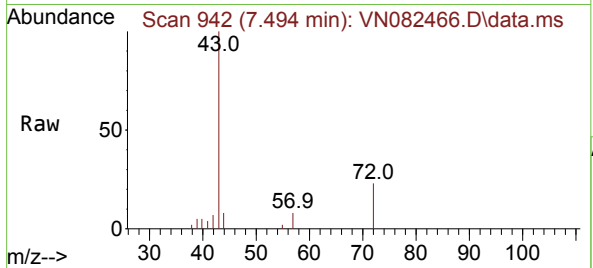




#25
2-Butanone
Concen: 16.096 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

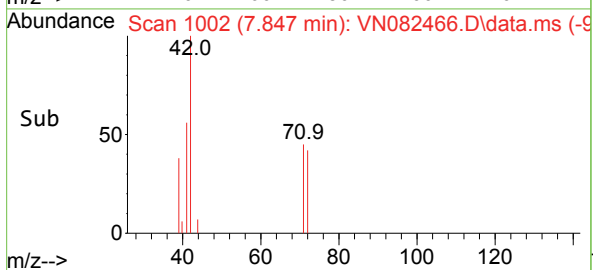
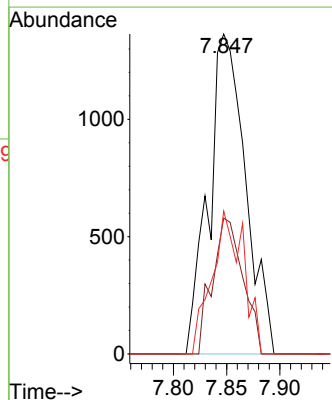
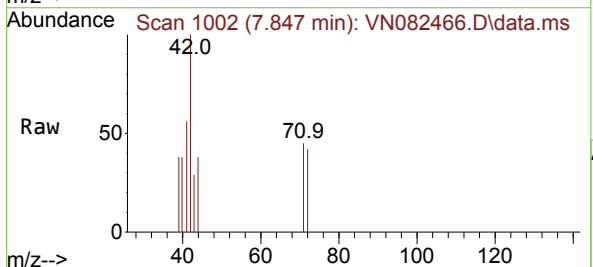
Instrument :
MSVOA_N
ClientSampleId :

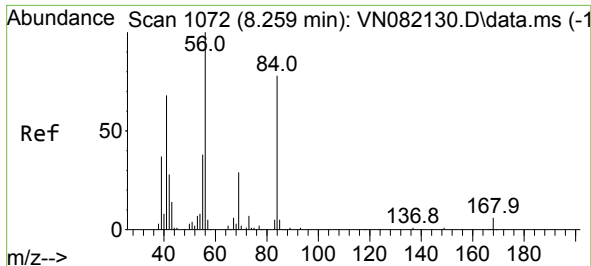
Tgt Ion: 43 Resp: 24453
Ion Ratio Lower Upper
43 100
72 22.9 25.3 37.9#



#29
Tetrahydrofuran
Concen: 3.365 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

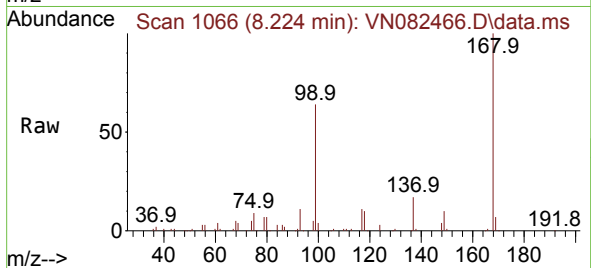
Tgt Ion: 42 Resp: 3282
Ion Ratio Lower Upper
42 100
72 35.3 39.3 58.9#
71 38.5 37.4 56.0



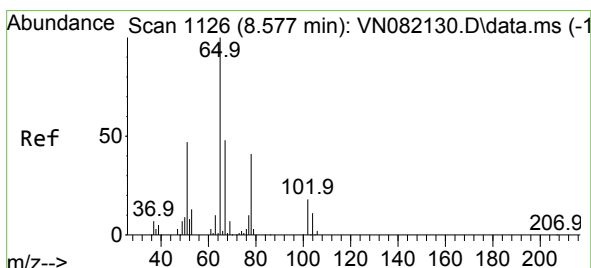
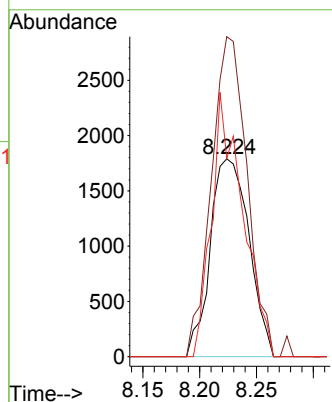
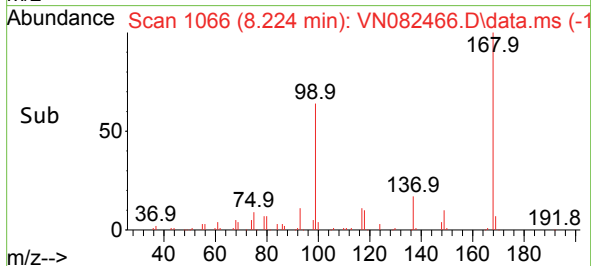


#31
Cyclohexane
Concen: 1.087 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

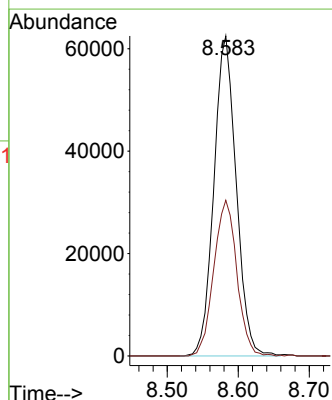
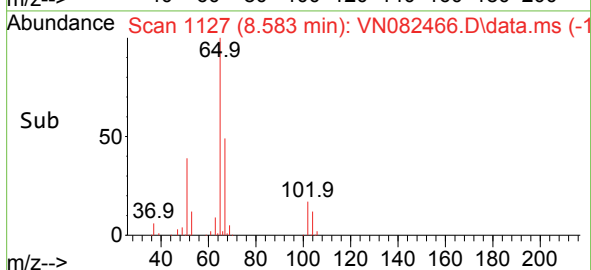
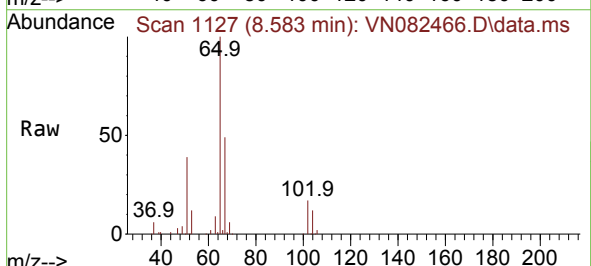


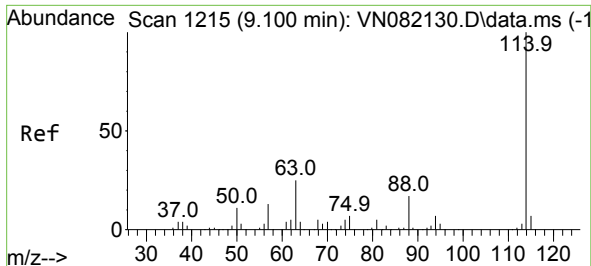
Tgt Ion: 56 Resp: 4239
Ion Ratio Lower Upper
56 100
69 161.7 24.4 36.6#
84 100.2 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 55.679 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Tgt Ion: 65 Resp: 135999
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN082466.D

Acq: 05 Jun 2024 13:24

Instrument :

MSVOA_N

ClientSampleId :

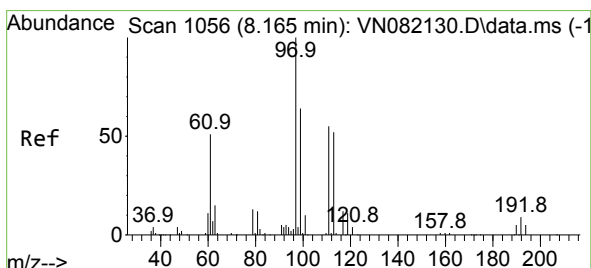
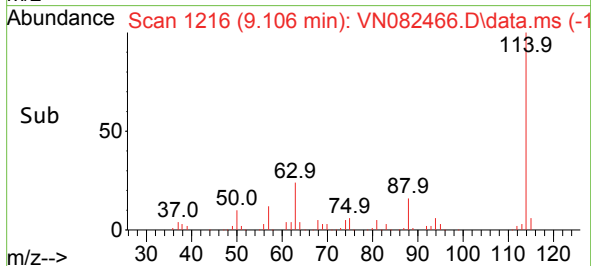
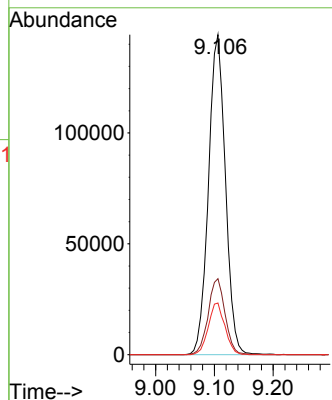
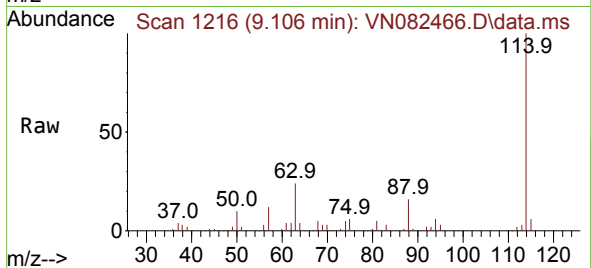
Tgt Ion:114 Resp: 288968

Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.0

88 16.1 0.0 31.4



#35

Dibromofluoromethane

Concen: 55.688 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082466.D

Acq: 05 Jun 2024 13:24

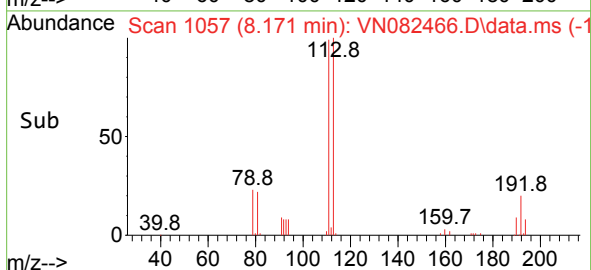
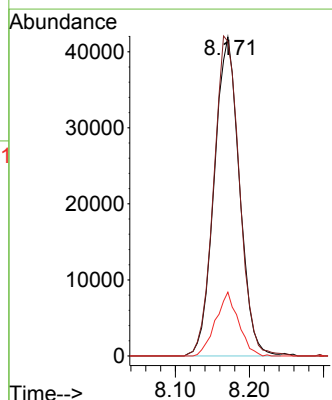
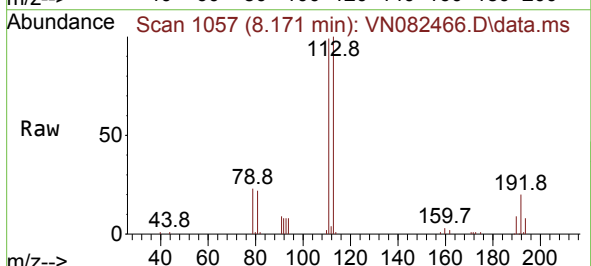
Tgt Ion:113 Resp: 98991

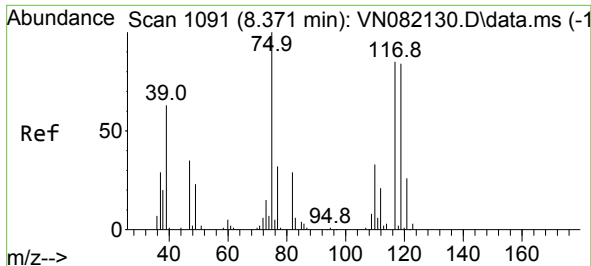
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

192 18.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.912 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

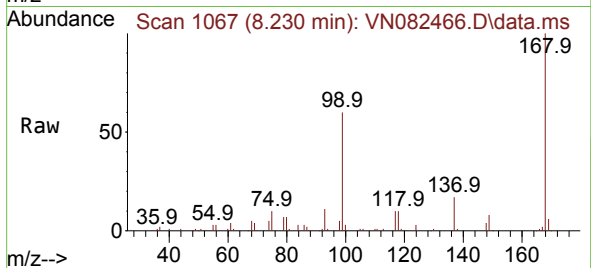
Lab File: VN082466.D

Acq: 05 Jun 2024 13:24

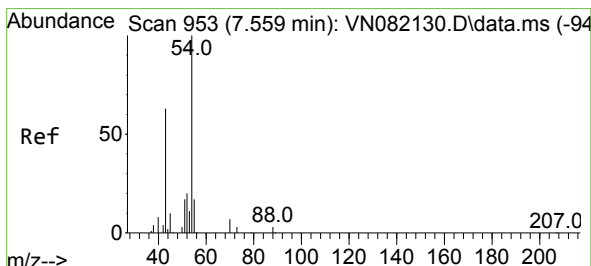
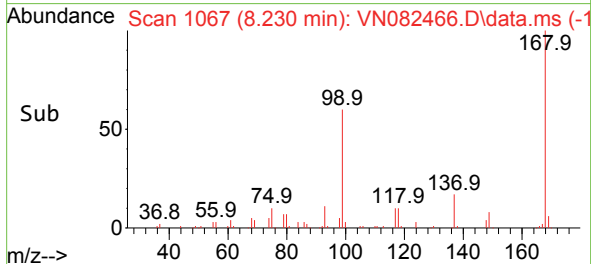
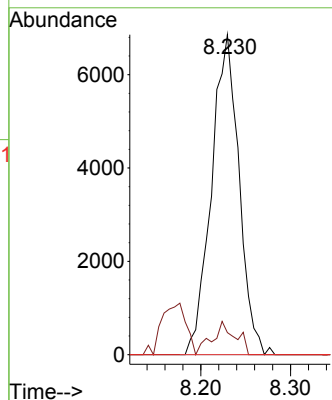
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14644
Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.8	53.5#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.333 ug/l

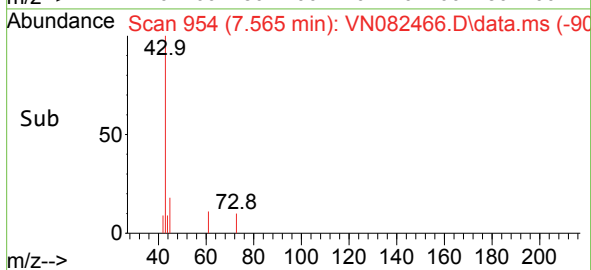
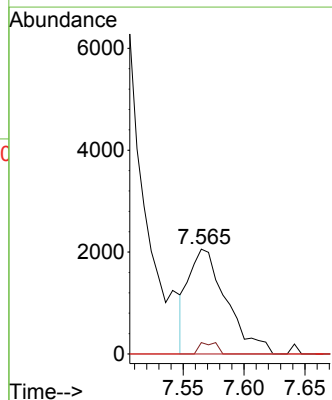
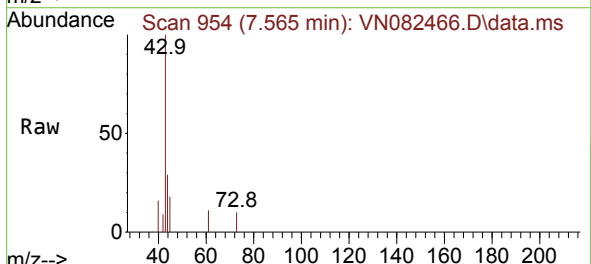
RT: 7.565 min Scan# 954

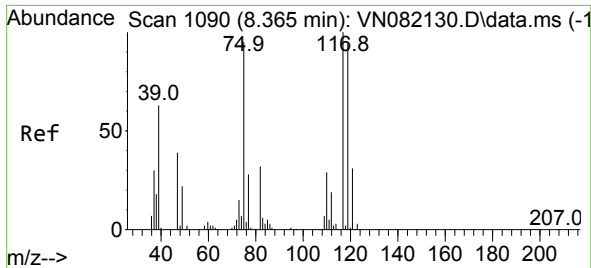
Delta R.T. 0.006 min

Lab File: VN082466.D

Acq: 05 Jun 2024 13:24

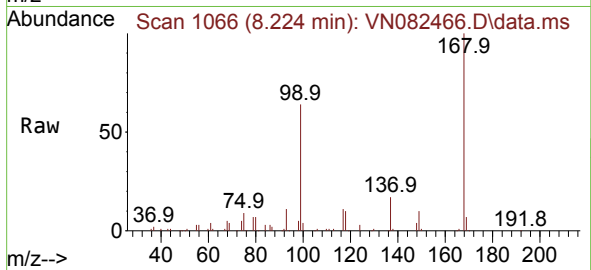
Tgt Ion:	43	Resp:	4448
Ion	Ratio	Lower	Upper
43	100		
61	5.0	11.3	16.9#
70	0.0	8.7	13.1#



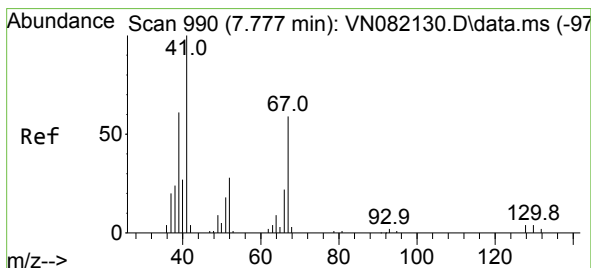
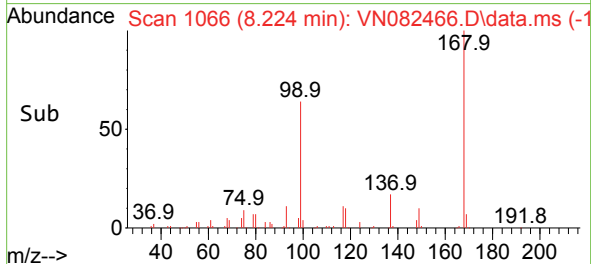
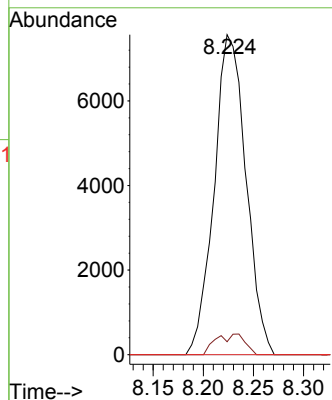


#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

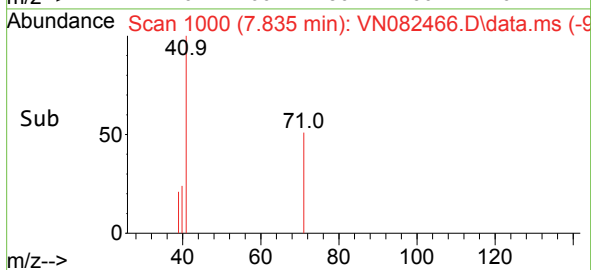
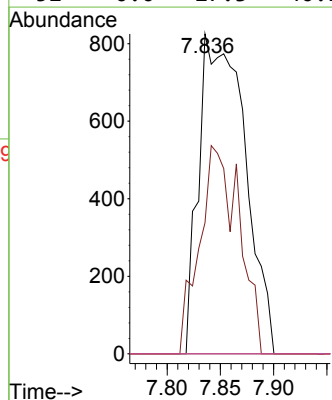
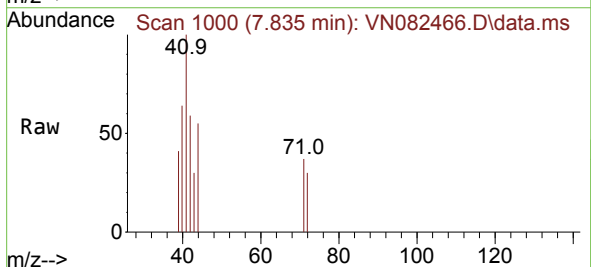


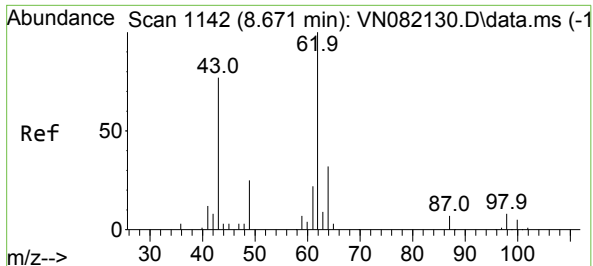
Tgt Ion:117 Resp: 16717
Ion Ratio Lower Upper
117 100
119 4.1 76.5 114.7#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.262 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.059 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Tgt Ion: 41 Resp: 2476
Ion Ratio Lower Upper
41 100
39 56.0 46.6 69.8
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.329 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082466.D

Acq: 05 Jun 2024 13:24

Instrument :

MSVOA_N

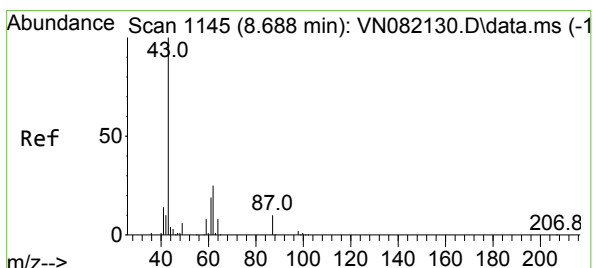
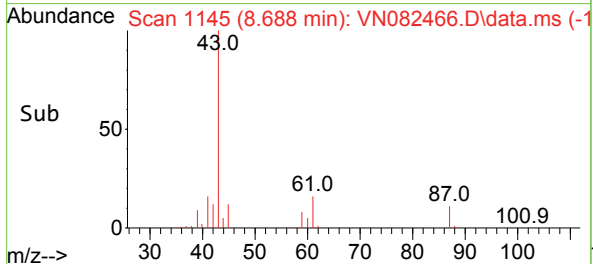
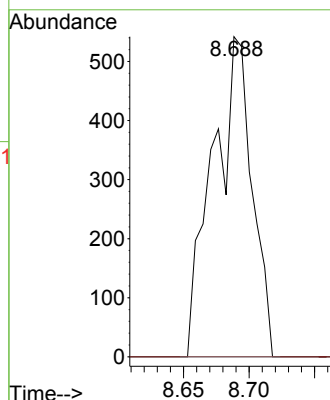
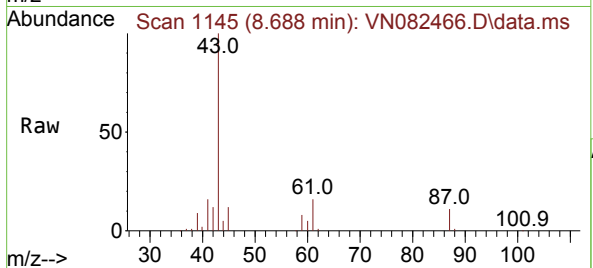
ClientSampleId :

Tgt Ion: 62 Resp: 1126

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 43.770 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN082466.D

Acq: 05 Jun 2024 13:24

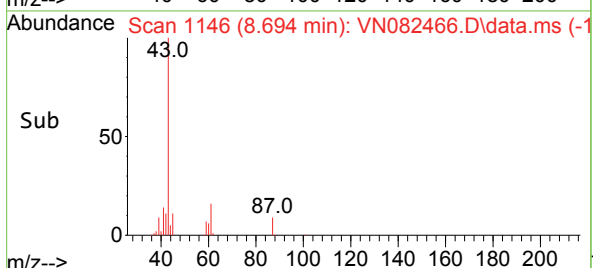
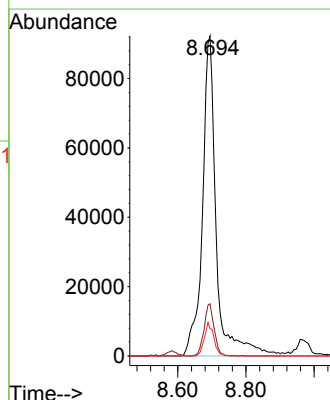
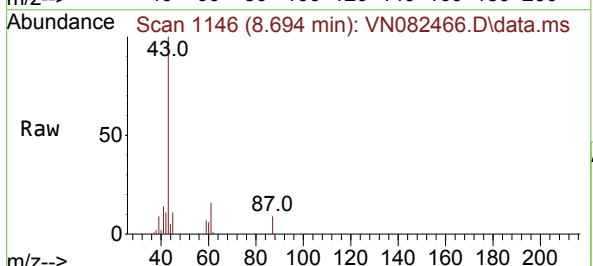
Tgt Ion: 43 Resp: 258768

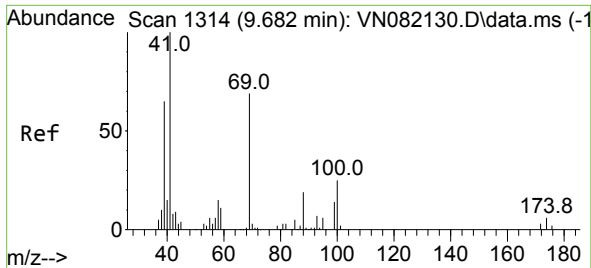
Ion Ratio Lower Upper

43 100

61 11.9 22.8 34.2#

87 7.1 12.0 18.0#

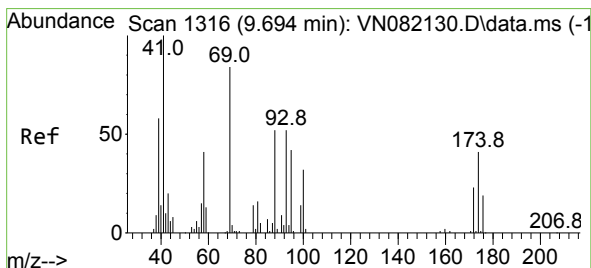
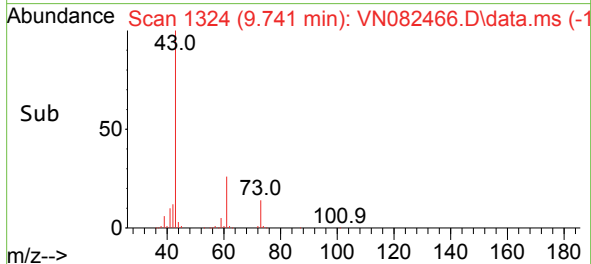
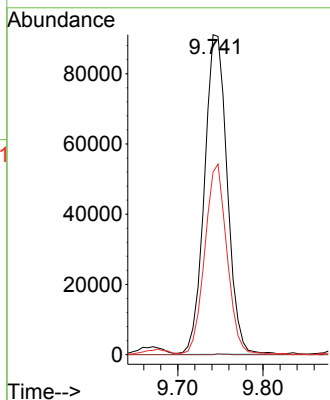
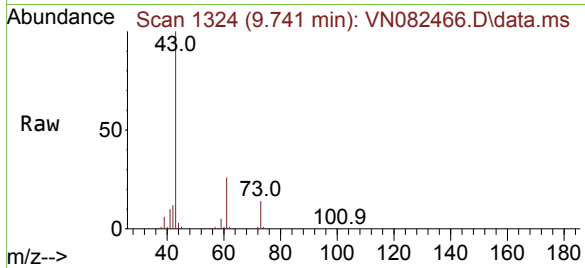




#48
Methyl methacrylate
Concen: 59.749 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

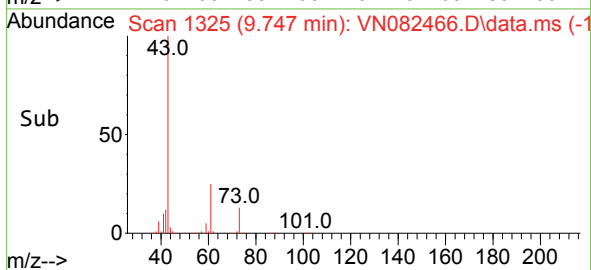
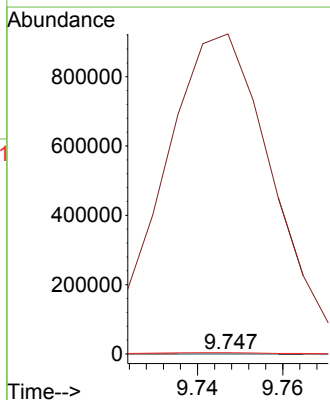
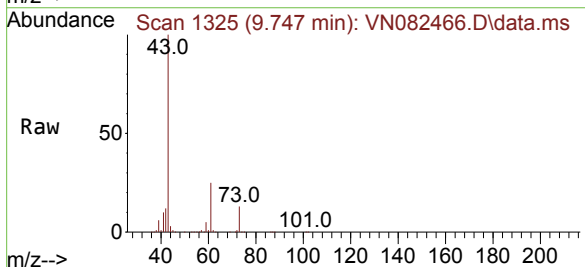
Instrument :
MSVOA_N
ClientSampleId :

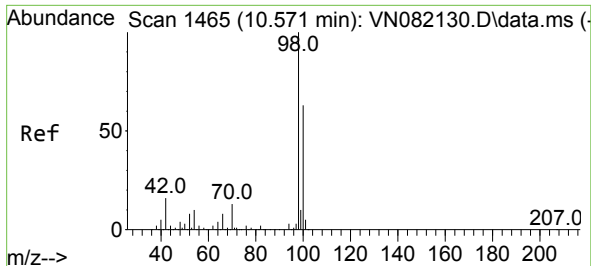
Tgt Ion: 41 Resp: 168314
Ion Ratio Lower Upper
41 100
69 0.1 77.9 116.9#
39 57.8 50.9 76.3



#49
1,4-Dioxane
Concen: 1.393 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.053 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 3039407.3 19.0 28.6#
58 13658.2 50.6 76.0#

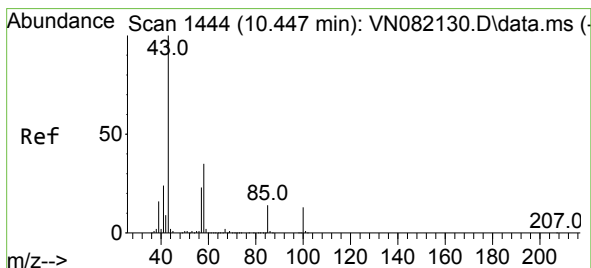
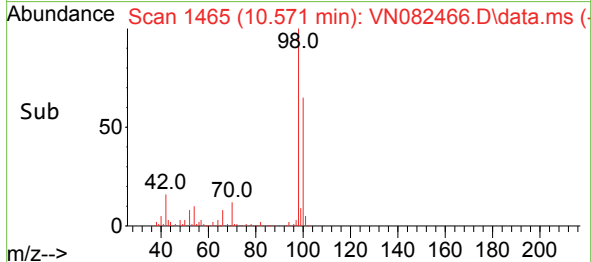
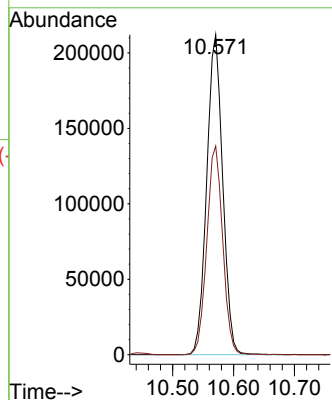
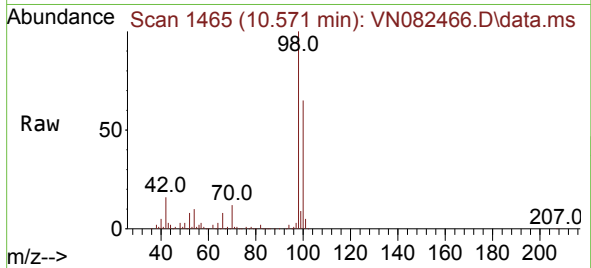




#50
Toluene-d8
Concen: 56.713 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

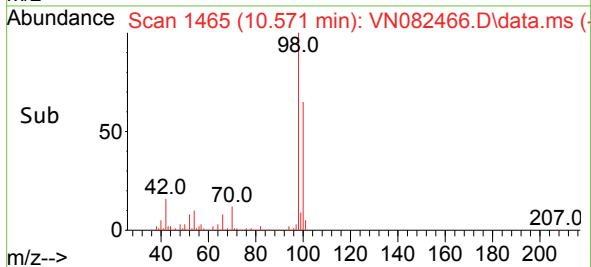
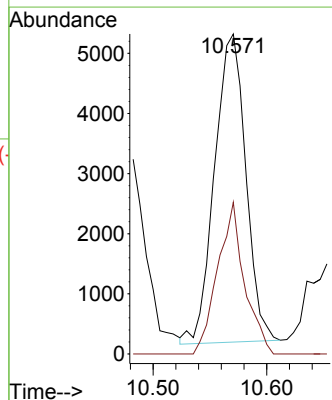
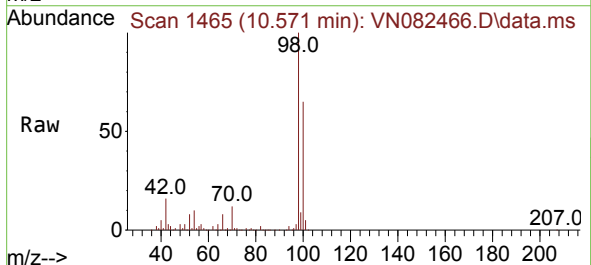
Instrument :
MSVOA_N
ClientSampleId :

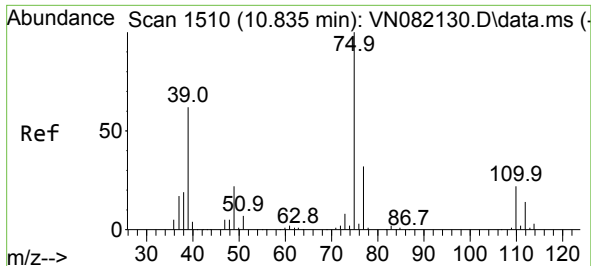
Tgt Ion: 98 Resp: 386512
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.910 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

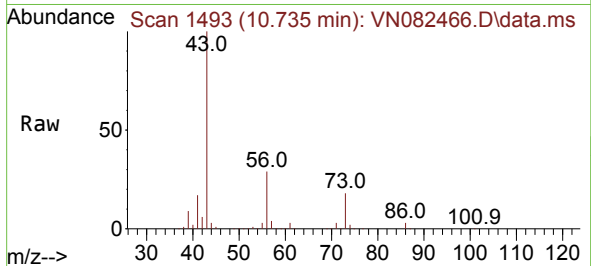
Tgt Ion: 43 Resp: 9774
Ion Ratio Lower Upper
43 100
58 42.3 33.2 49.8



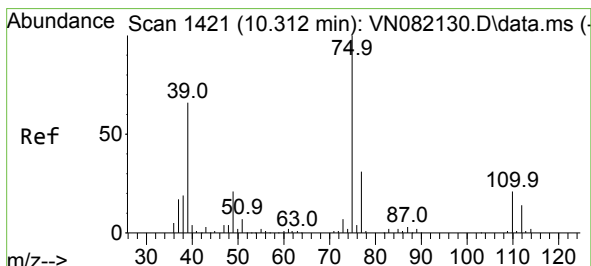
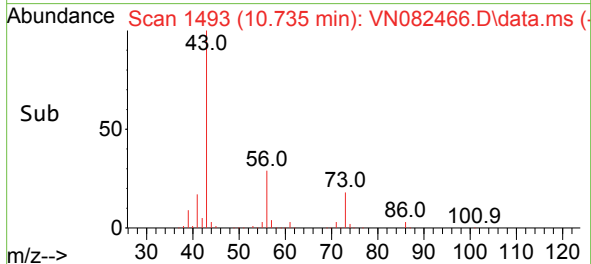
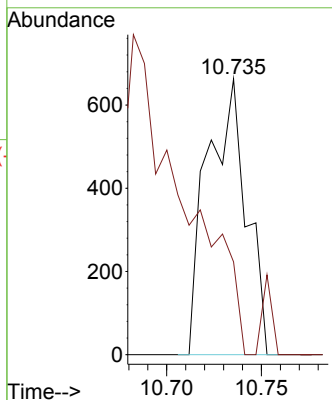


#53
t-1,3-Dichloropropene
Concen: 0.290 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.100 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

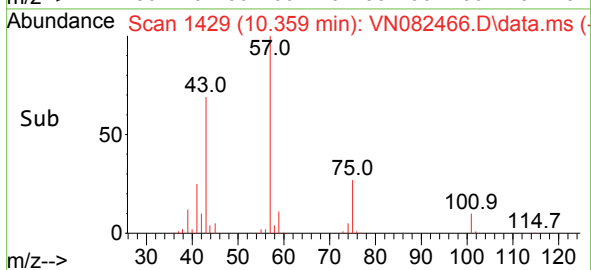
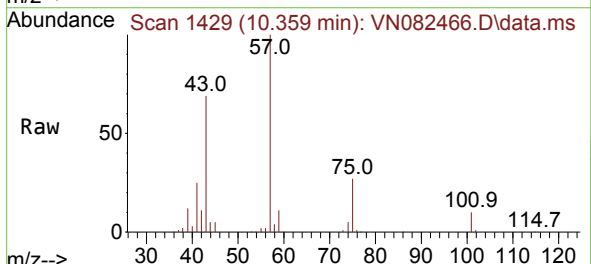
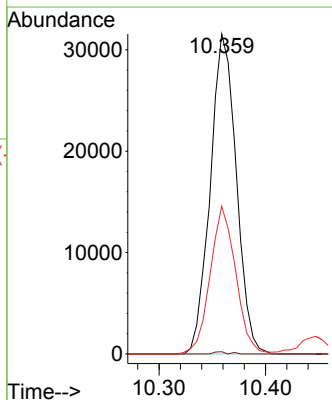


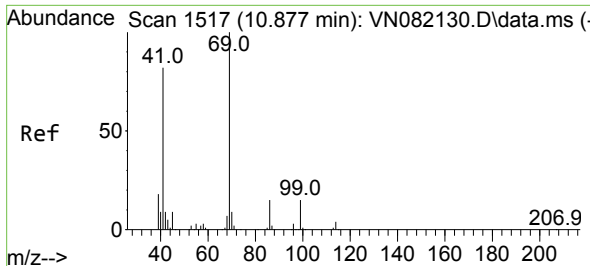
Tgt Ion: 75 Resp: 953
Ion Ratio Lower Upper
75 100
77 33.6 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 15.378 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

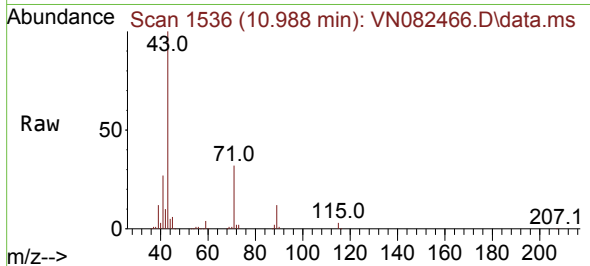
Tgt Ion: 75 Resp: 53522
Ion Ratio Lower Upper
75 100
77 0.7 25.0 37.4#
39 46.1 34.8 52.2



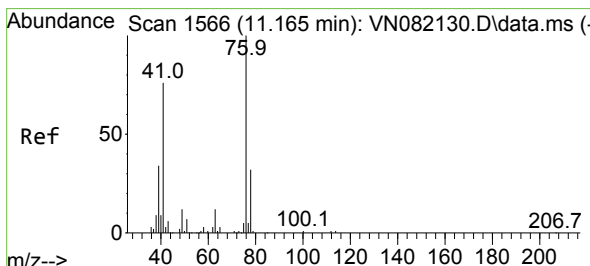
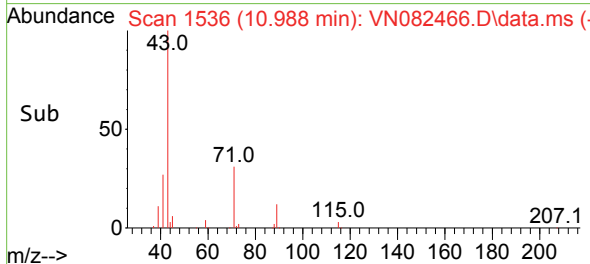
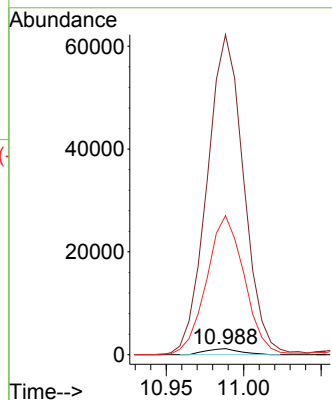


#56
Ethyl methacrylate
Concen: 0.555 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

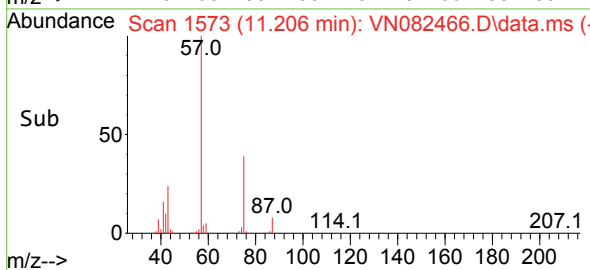
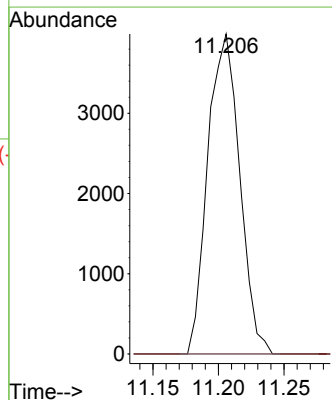
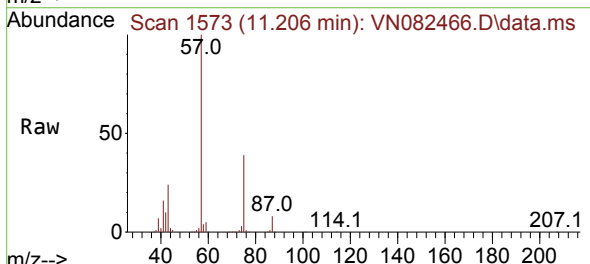


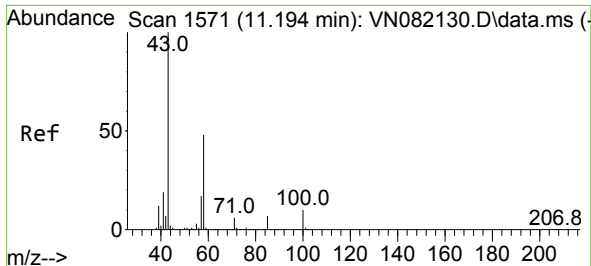
Tgt Ion: 69 Resp: 1828
Ion Ratio Lower Upper
69 100
41 5618.2 46.6 70.0#
39 2515.6 26.5 39.7#



#57
1,3-Dichloropropane
Concen: 1.864 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Tgt Ion: 76 Resp: 6757
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

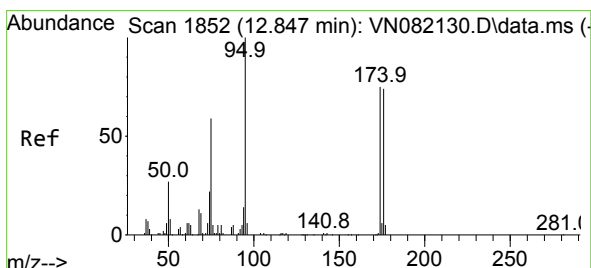
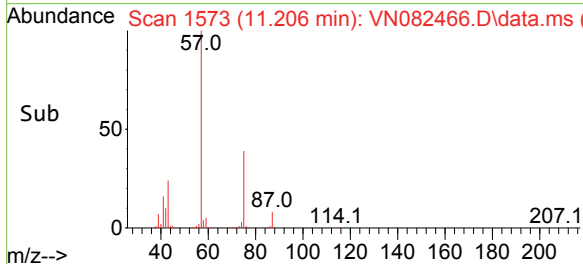
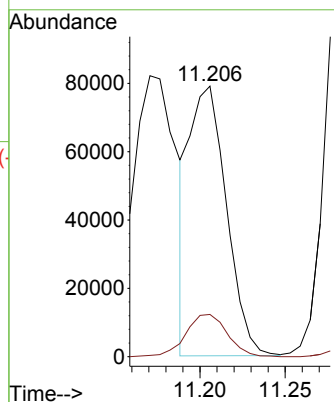
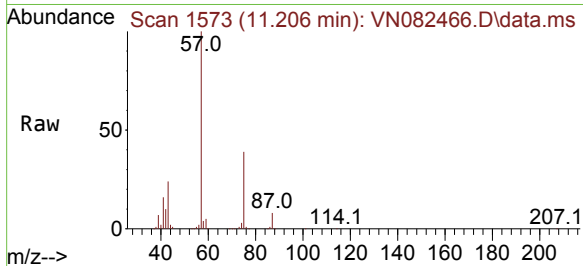




#59
2-Hexanone
Concen: 48.542 ug/l
RT: 11.206 min Scan# 1119
Delta R.T. 0.012 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

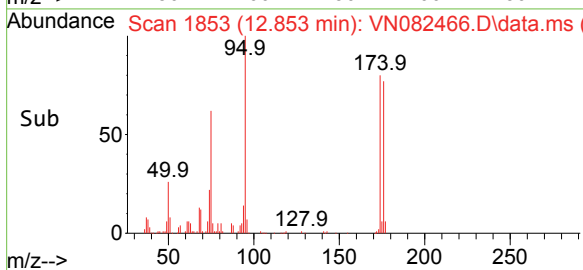
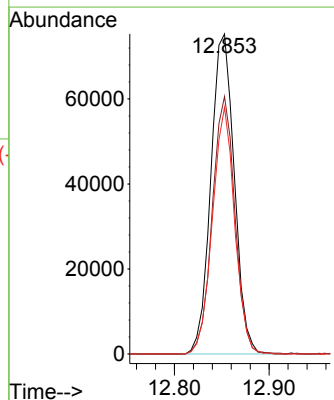
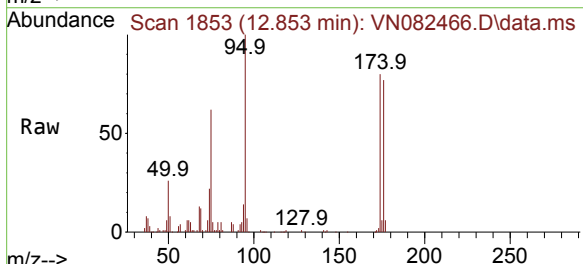
Instrument :
MSVOA_N
ClientSampleId :

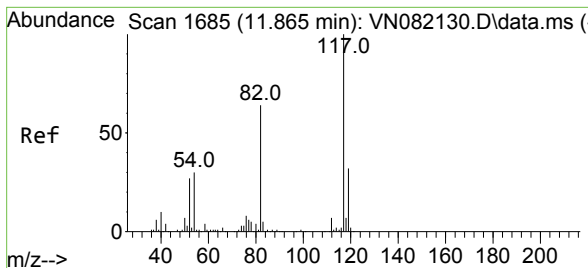
Tgt Ion: 43 Resp: 119389
Ion Ratio Lower Upper
43 100
58 17.6 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 53.128 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

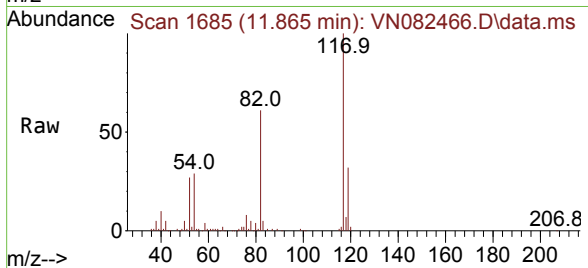
Tgt Ion: 95 Resp: 129234
Ion Ratio Lower Upper
95 100
174 77.8 0.0 160.6
176 73.3 0.0 152.8



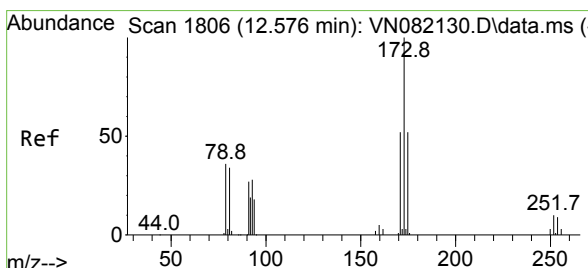
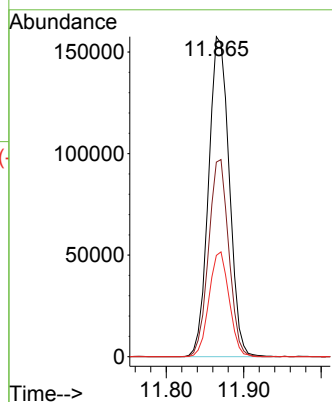
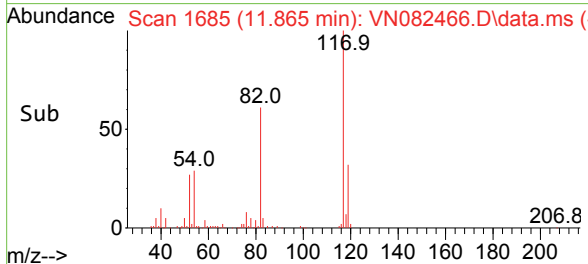


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

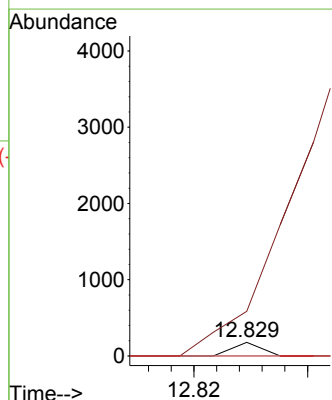
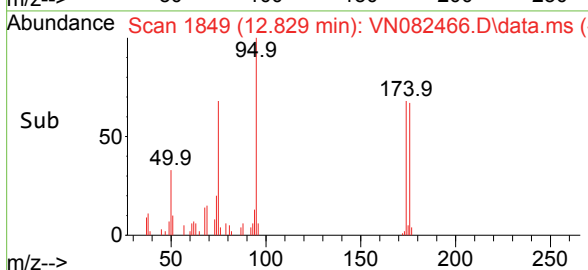
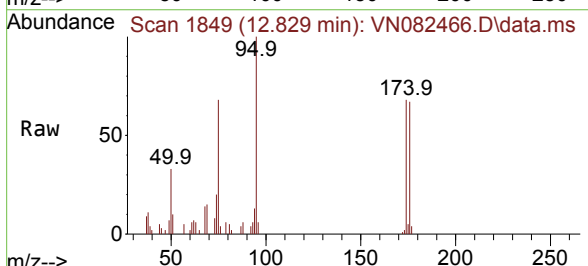


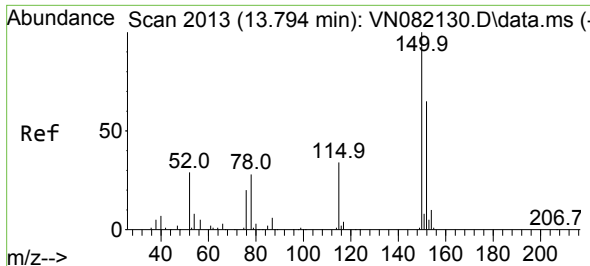
Tgt Ion:117 Resp: 291196
Ion Ratio Lower Upper
117 100
82 60.8 44.6 66.8
119 31.7 25.9 38.9



#71
Bromoform
Concen: 0.738 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.253 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

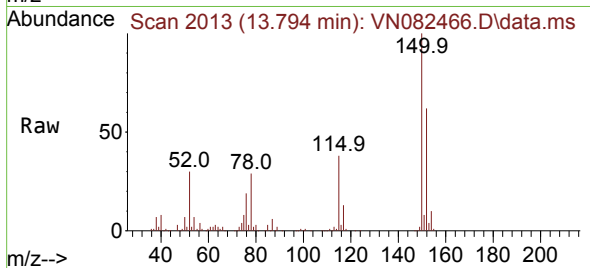
Tgt Ion:173 Resp: 63
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



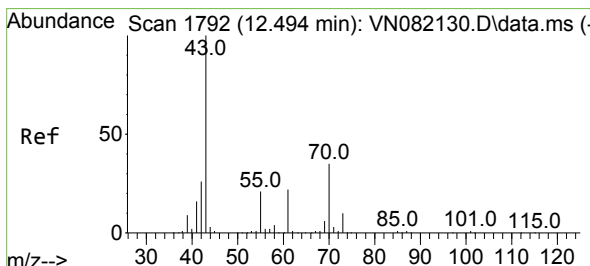
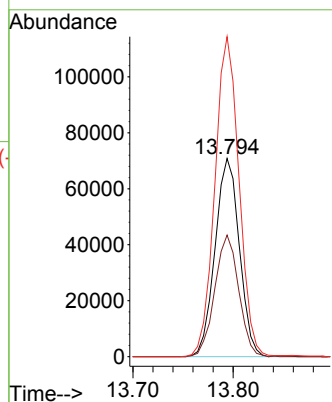
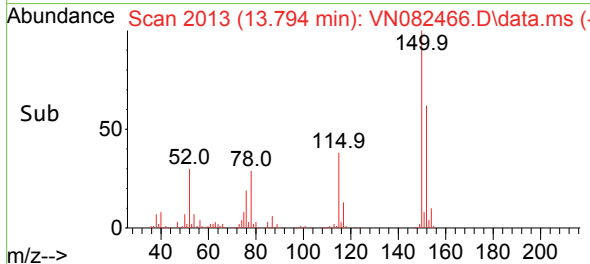


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Instrument :
MSVOA_N
ClientSampleId :

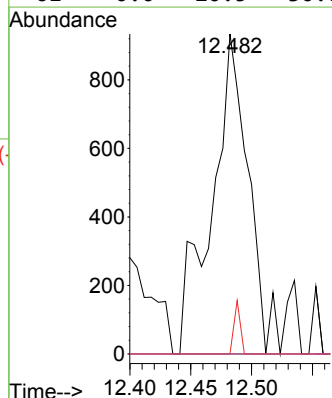
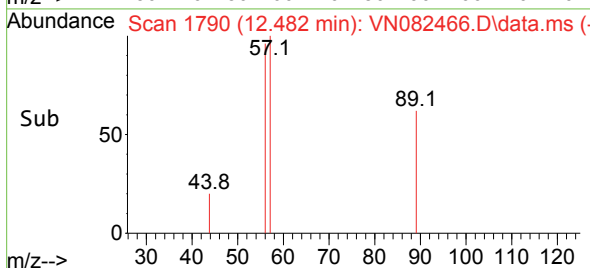
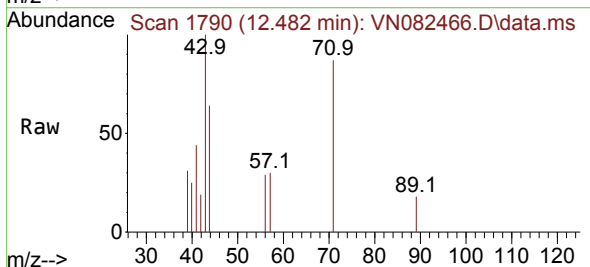


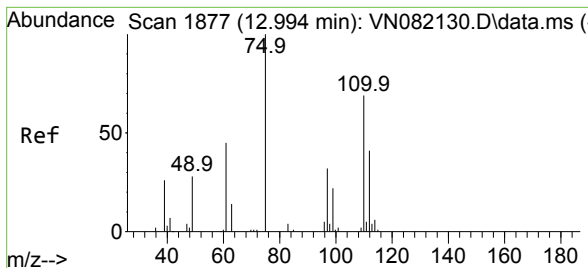
Tgt Ion:152 Resp: 119109
Ion Ratio Lower Upper
152 100
115 60.4 30.4 91.3
150 160.9 0.0 353.2



#74
N-ethyl acetate
Concen: 0.377 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082466.D
Acq: 05 Jun 2024 13:24

Tgt Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 2.8 21.3 31.9#
61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 30.118 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082466.D

Acq: 05 Jun 2024 13:24

Instrument :

MSVOA_N

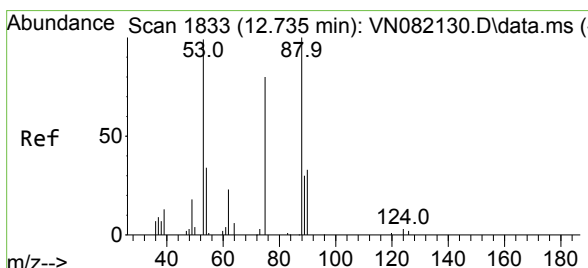
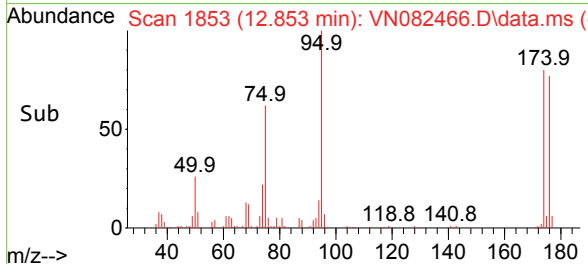
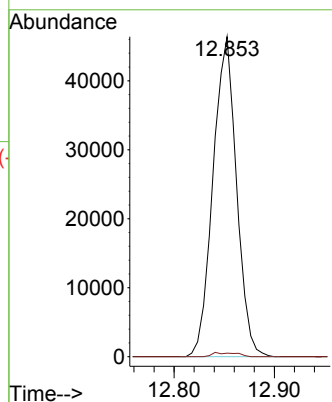
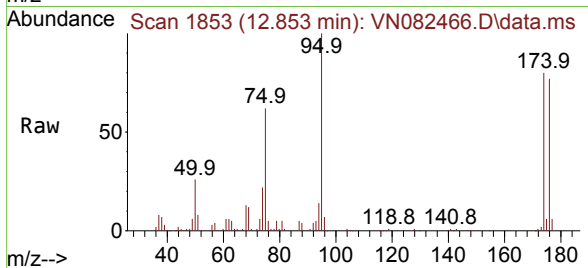
ClientSampleId :

Tgt Ion: 75 Resp: 75506

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.446 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082466.D

Acq: 05 Jun 2024 13:24

Tgt Ion: 75 Resp: 75506

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

