

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060324\
 Data File : VN082447.D
 Acq On : 03 Jun 2024 20:29
 Operator : JC\MD
 Sample : P2686-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

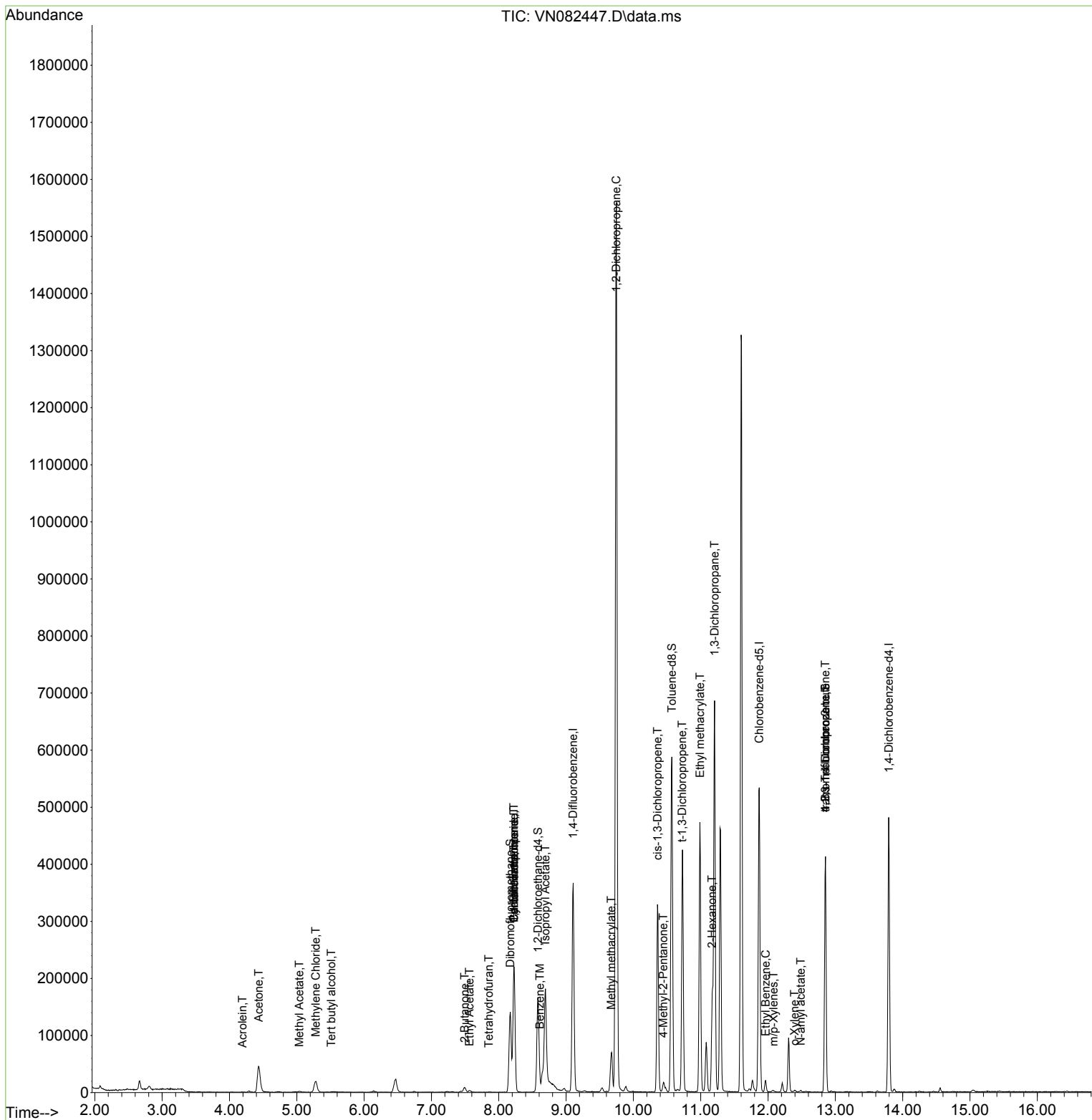
Quant Time: Jun 04 00:35:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	153045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	285810	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	285714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135240	55.962	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.920%			
35) Dibromofluoromethane	8.171	113	97174	55.270	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.540%			
50) Toluene-d8	10.571	98	379333	56.275	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 112.560%			
62) 4-Bromofluorobenzene	12.853	95	128240	53.302	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 106.600%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	994	2.562	ug/l #	71
13) Acrolein	4.195	56	347	1.207	ug/l	100
16) Acetone	4.436	43	91988	92.792	ug/l	94
18) Methyl Acetate	5.036	43	3063	1.241	ug/l #	69
20) Methylene Chloride	5.283	84	13777	6.888	ug/l #	73
25) 2-Butanone	7.494	43	14414	9.590	ug/l #	79
29) Tetrahydrofuran	7.853	42	228	0.236	ug/l #	29
31) Cyclohexane	8.224	56	4541	1.177	ug/l #	45
36) 1,1-Dichloropropene	8.224	75	14520	4.924	ug/l #	48
37) Ethyl Acetate	7.565	43	5190	1.573	ug/l #	78
38) Carbon Tetrachloride	8.224	117	16506	5.522	ug/l #	16
40) Benzene	8.612	78	7605	0.865	ug/l	99
43) Isopropyl Acetate	8.694	43	275293	47.080	ug/l #	72
45) 1,2-Dichloropropane	9.747	63	1625	0.716	ug/l #	45
48) Methyl methacrylate	9.671	41	5498	1.973	ug/l #	33
51) 4-Methyl-2-Pentanone	10.447	43	16969	5.108	ug/l #	72
53) t-1,3-Dichloropropene	10.724	75	858	0.264	ug/l #	70
54) cis-1,3-Dichloropropene	10.359	75	50024	14.532	ug/l #	75
56) Ethyl methacrylate	10.988	69	1799	0.553	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6369	1.776	ug/l #	42
59) 2-Hexanone	11.171	43	139820	57.478	ug/l #	23
67) Ethyl Benzene	11.965	91	2888	0.256	ug/l	93
68) m/p-Xylenes	12.082	106	1078	0.260	ug/l	93
69) o-Xylene	12.394	106	858	0.214	ug/l	73
74) N-amyl acetate	12.488	43	2093	0.409	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	74410	30.197	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74410	70.629	ug/l #	12

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

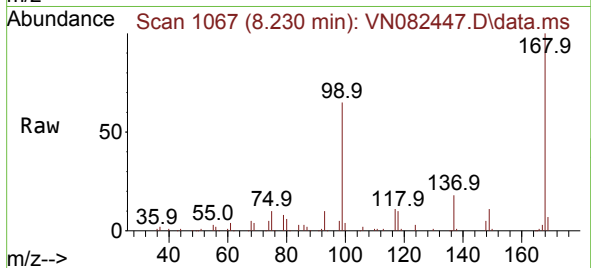
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



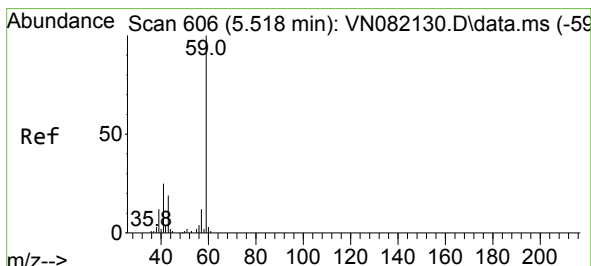
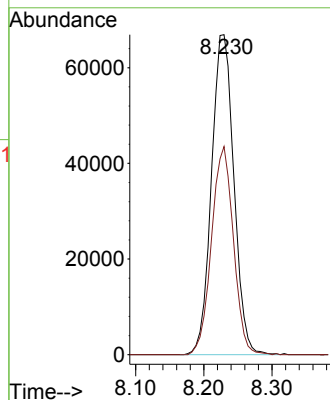
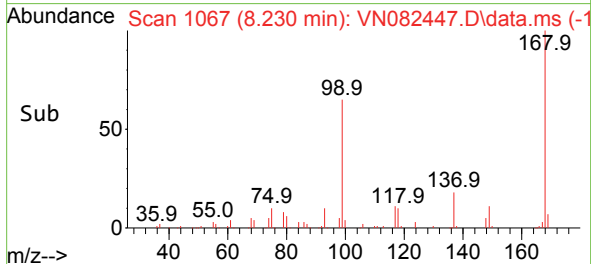


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :

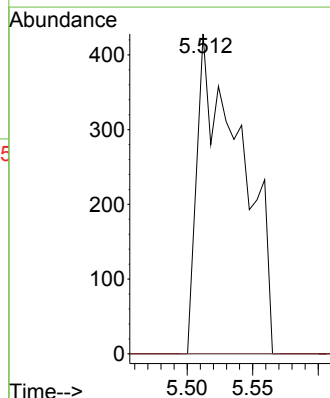
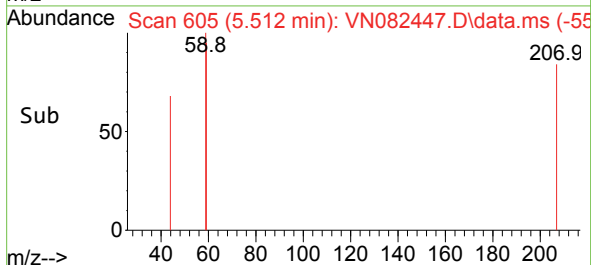
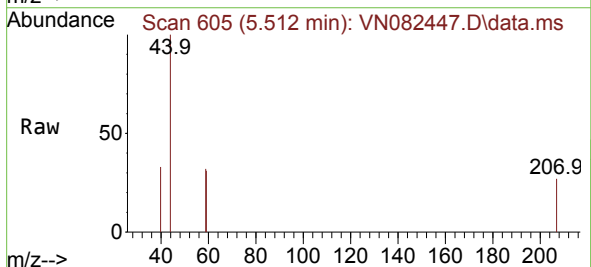


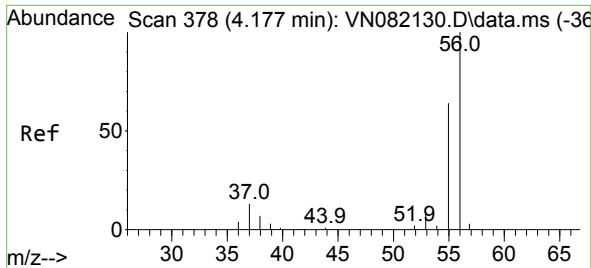
Tgt Ion:168 Resp: 153045
Ion Ratio Lower Upper
168 100
99 65.1 48.2 72.4



#11
Tert butyl alcohol
Concen: 2.562 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

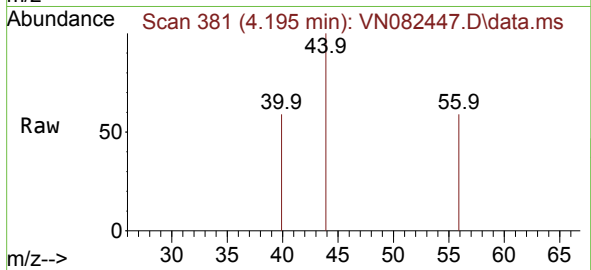
Tgt Ion: 59 Resp: 994
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



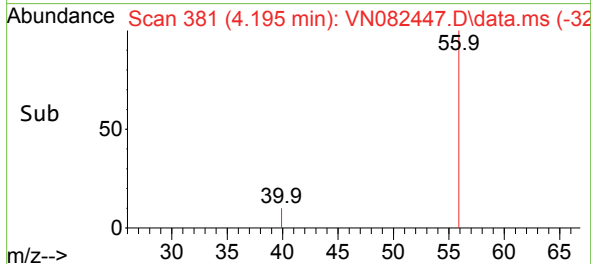
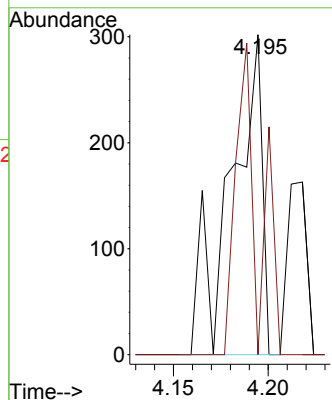


#13
Acrolein
Concen: 1.207 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :

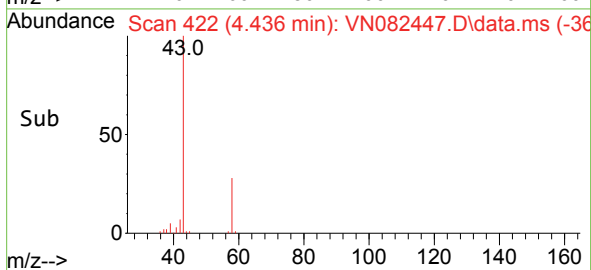
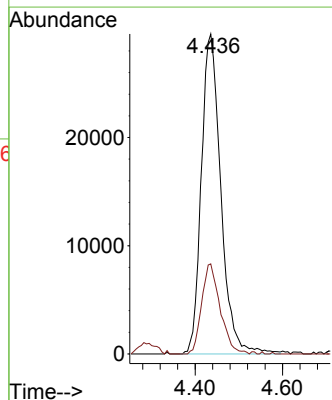
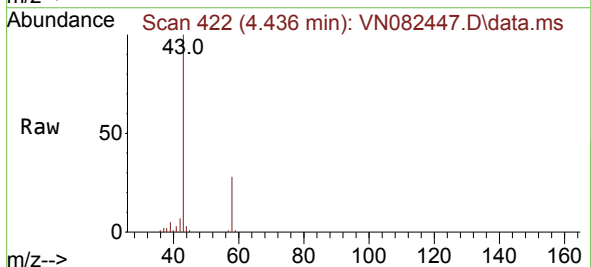


Tgt Ion: 56 Resp: 347
Ion Ratio Lower Upper
56 100
55 70.0 55.8 83.8



#16
Acetone
Concen: 92.792 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Tgt Ion: 43 Resp: 91988
Ion Ratio Lower Upper
43 100
58 28.1 25.2 37.8

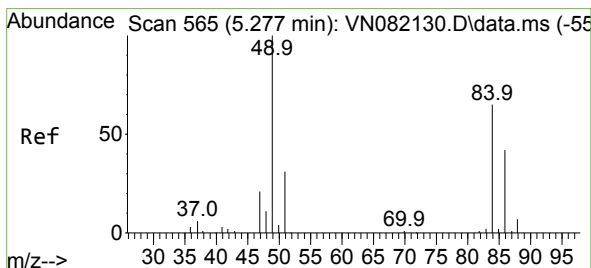
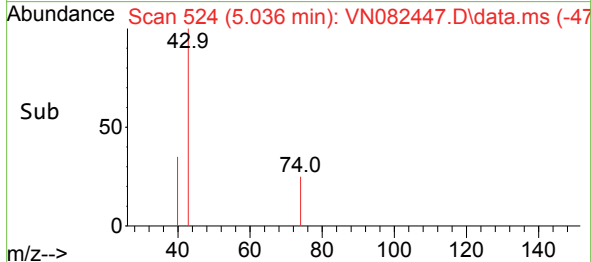
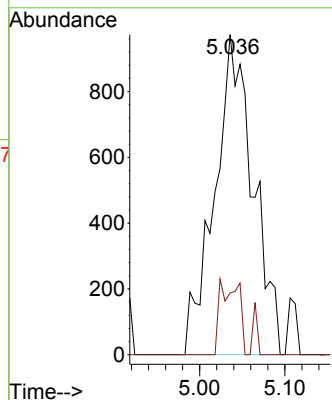
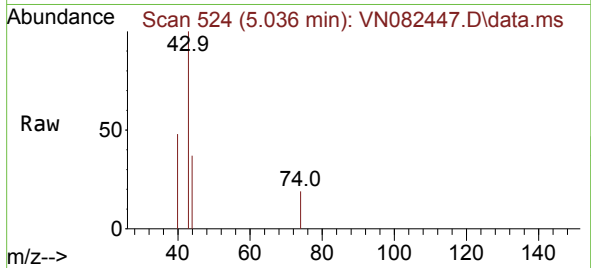




#18
Methyl Acetate
Concen: 1.241 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

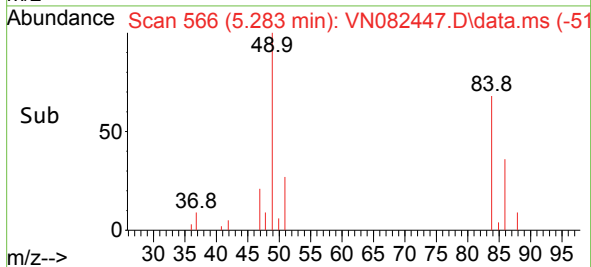
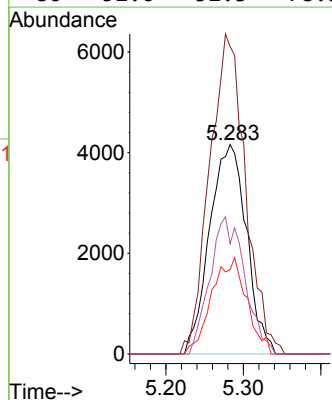
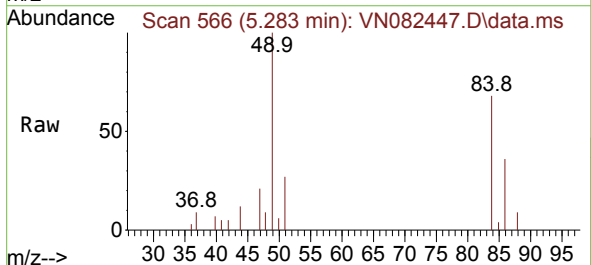
Instrument :
MSVOA_N
ClientSampleId :

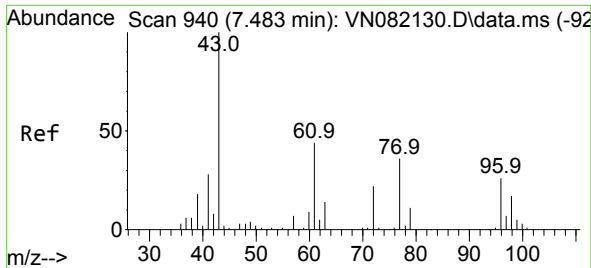
Tgt Ion: 43 Resp: 3063
Ion Ratio Lower Upper
43 100
74 11.4 22.2 33.2#



#20
Methylene Chloride
Concen: 6.888 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Tgt Ion: 84 Resp: 13777
Ion Ratio Lower Upper
84 100
49 146.8 84.9 127.3#
51 40.3 27.0 40.6
86 52.6 52.3 78.5

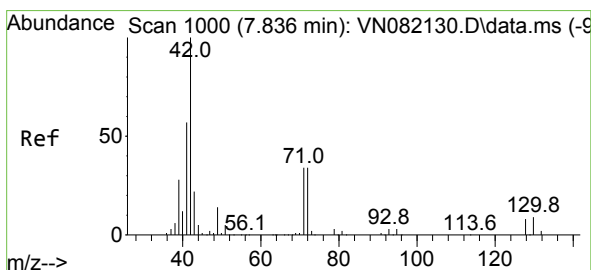
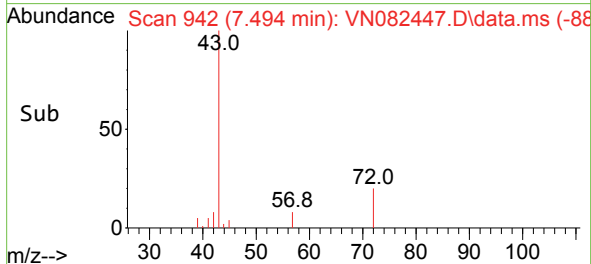
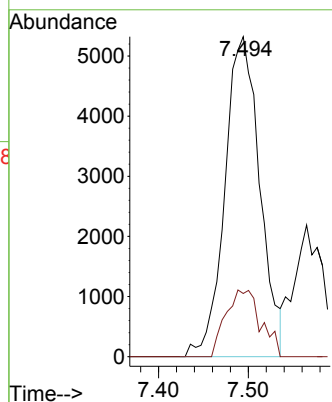
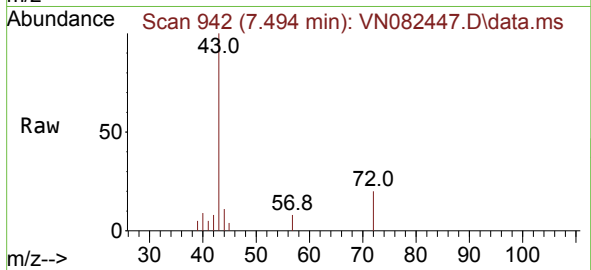




#25
2-Butanone
Concen: 9.590 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

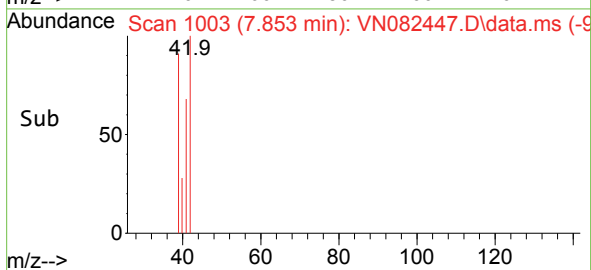
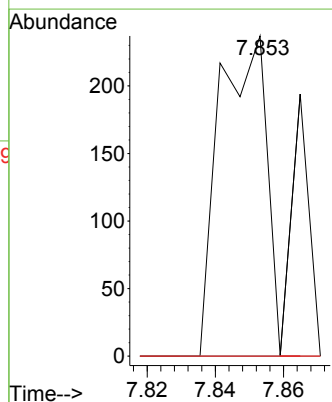
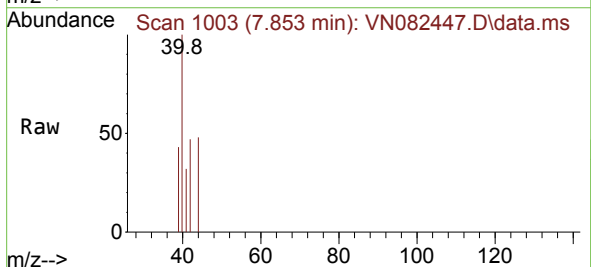
Instrument :
MSVOA_N
ClientSampleId :

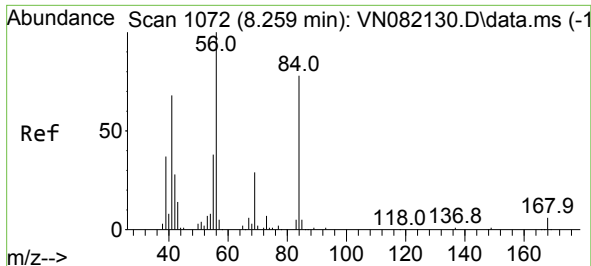
Tgt Ion: 43 Resp: 14414
Ion Ratio Lower Upper
43 100
72 19.7 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.236 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

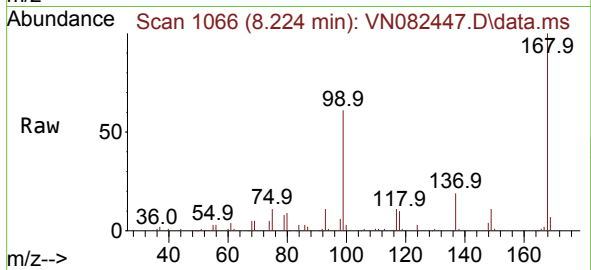
Tgt Ion: 42 Resp: 228
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



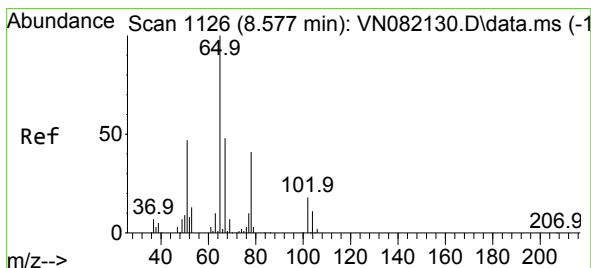
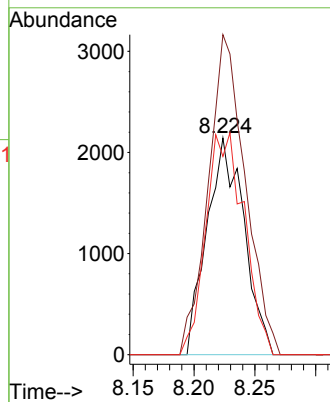
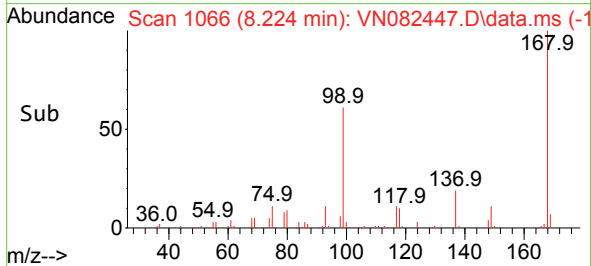


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :

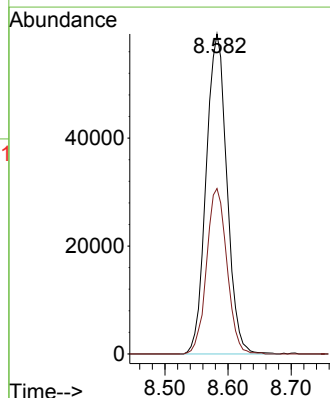
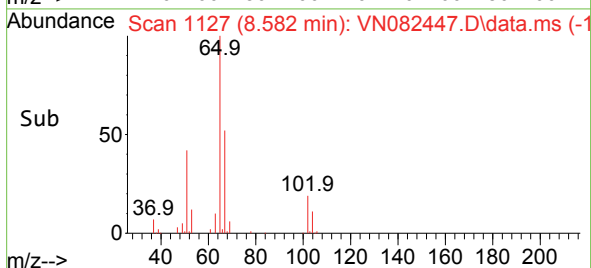
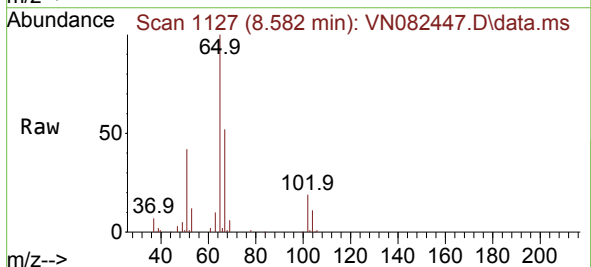


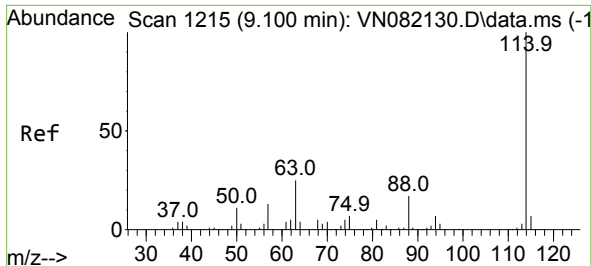
Tgt Ion: 56 Resp: 4541
Ion Ratio Lower Upper
56 100
69 147.8 24.4 36.6#
84 91.5 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 55.962 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Tgt Ion: 65 Resp: 135240
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# 11

Delta R.T. 0.006 min

Lab File: VN082447.D

Acq: 03 Jun 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

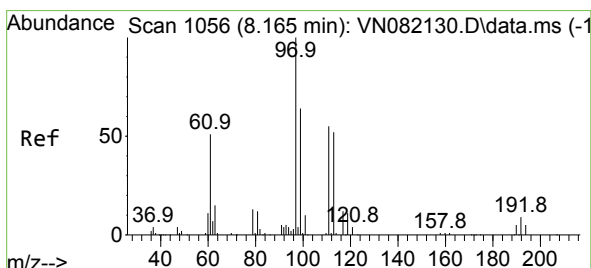
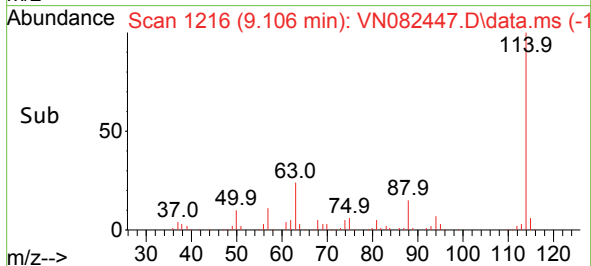
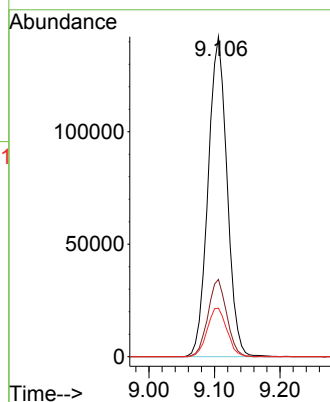
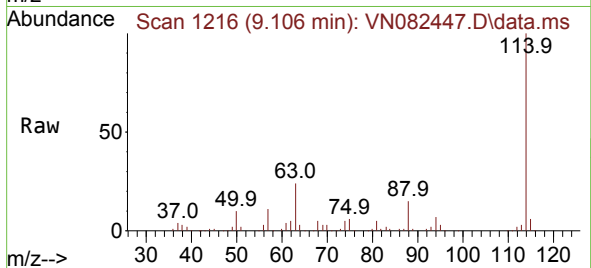
Tgt Ion:114 Resp: 285810

Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.0

88 15.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 55.270 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082447.D

Acq: 03 Jun 2024 20:29

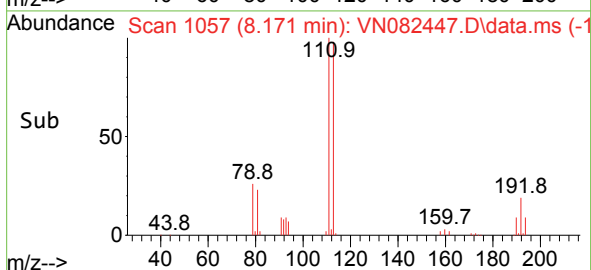
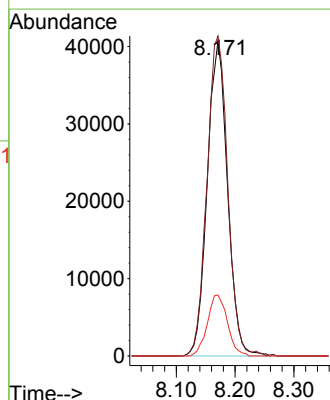
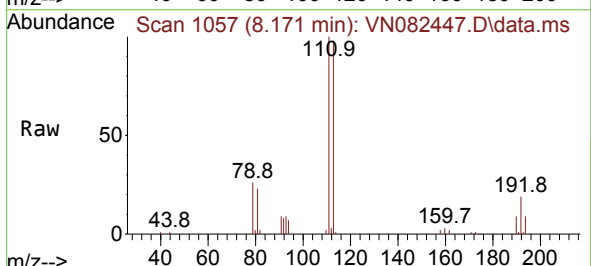
Tgt Ion:113 Resp: 97174

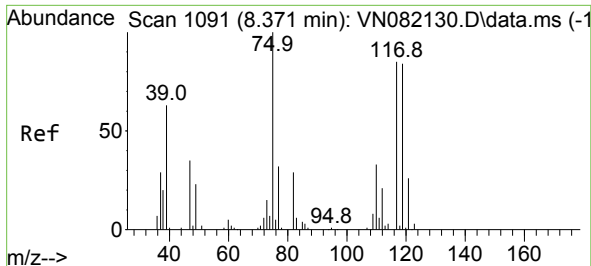
Ion Ratio Lower Upper

113 100

111 104.2 83.4 125.2

192 19.2 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.924 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

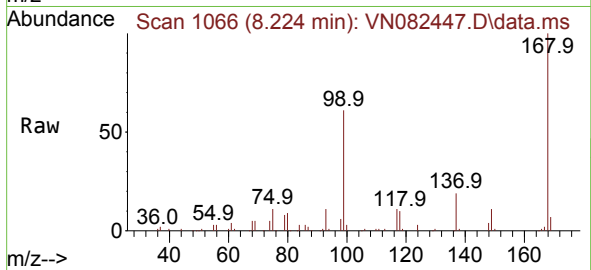
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Acq: 03 Jun 2024 20:29

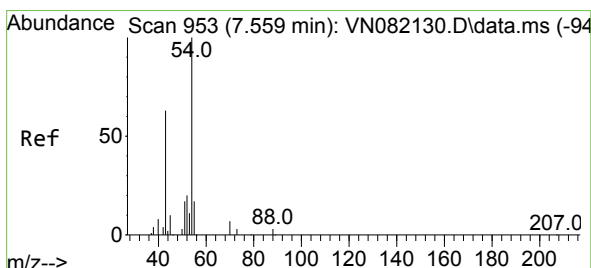
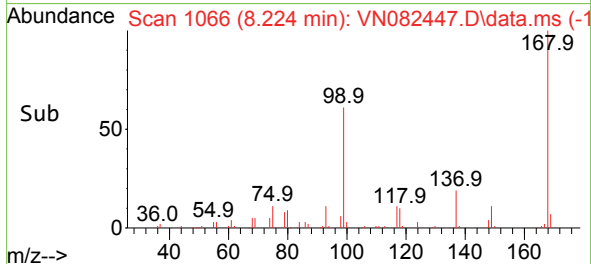
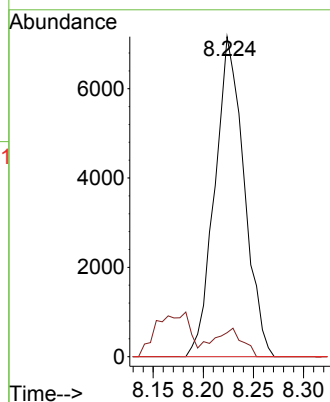
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	14520
Ion	Ratio	Lower	Upper
75	100		
110	7.3	17.8	53.5#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.573 ug/l

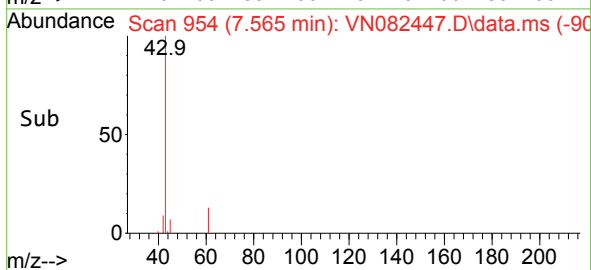
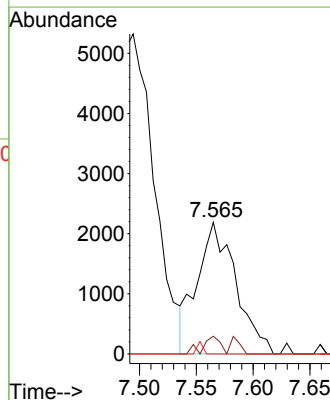
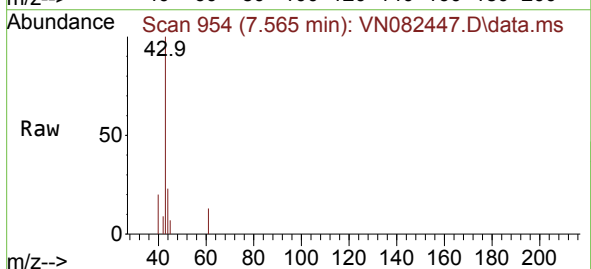
RT: 7.565 min Scan# 954

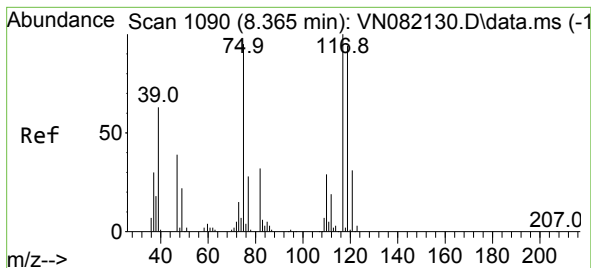
Delta R.T. 0.006 min

Lab File: VN082447.D

Acq: 03 Jun 2024 20:29

Tgt Ion:	43	Resp:	5190
Ion	Ratio	Lower	Upper
43	100		
61	5.9	11.3	16.9#
70	1.4	8.7	13.1#





#38

Carbon Tetrachloride

Concen: 5.522 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

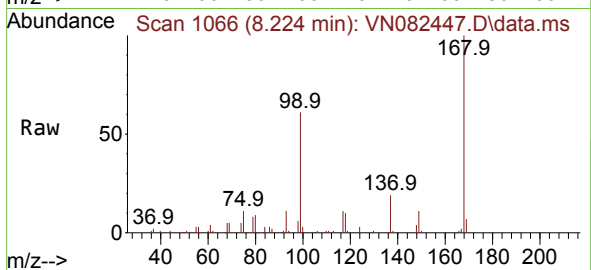
Lab File: VN082447.D

Acq: 03 Jun 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :



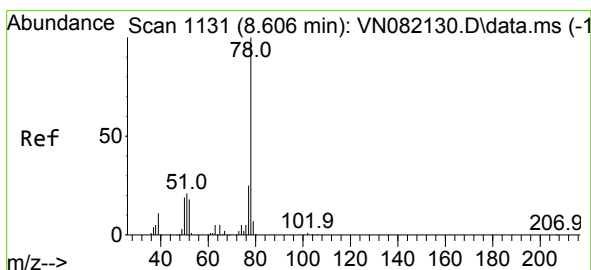
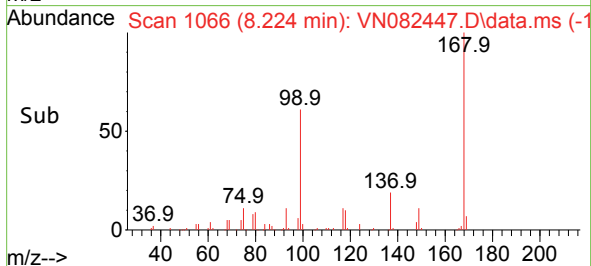
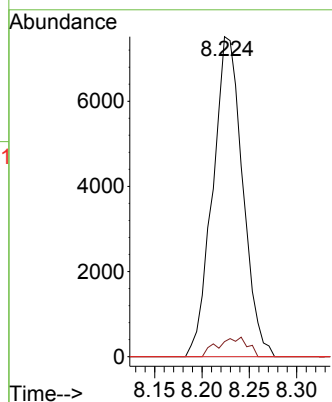
Tgt Ion:117 Resp: 16506

Ion Ratio Lower Upper

117 100

119 4.7 76.5 114.7#

121 0.0 23.9 35.9#



#40

Benzene

Concen: 0.865 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN082447.D

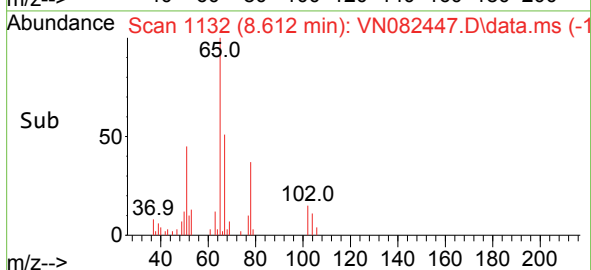
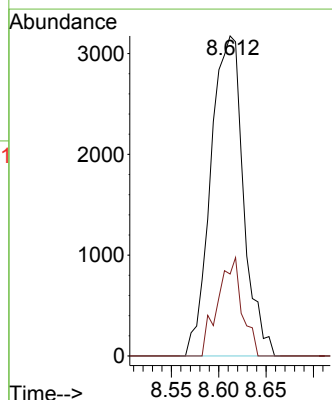
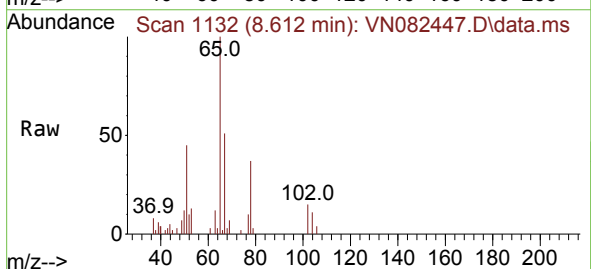
Acq: 03 Jun 2024 20:29

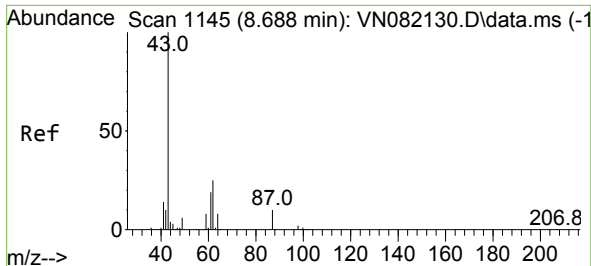
Tgt Ion: 78 Resp: 7605

Ion Ratio Lower Upper

78 100

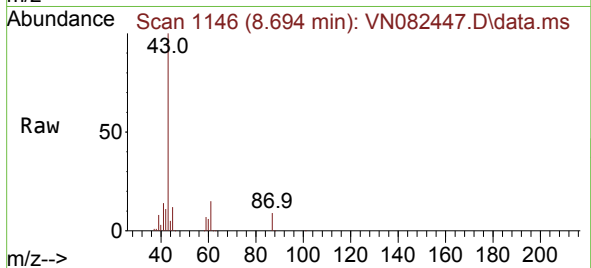
77 25.6 20.0 30.0



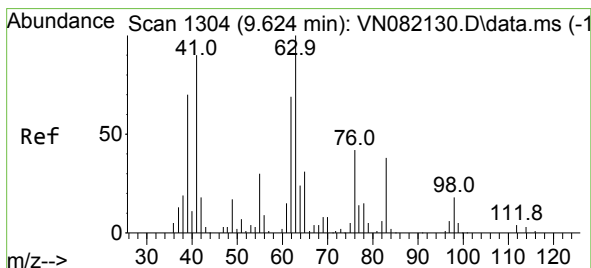
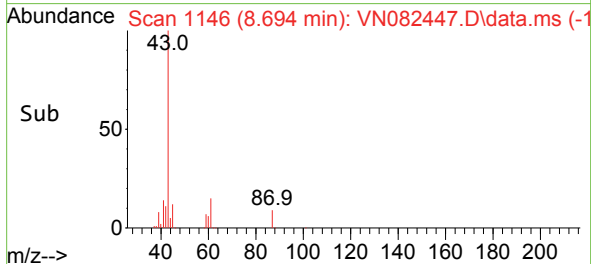
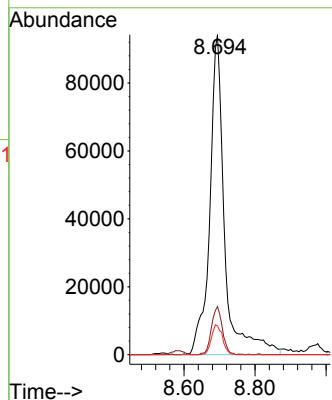


#43
Isopropyl Acetate
Concen: 47.080 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :

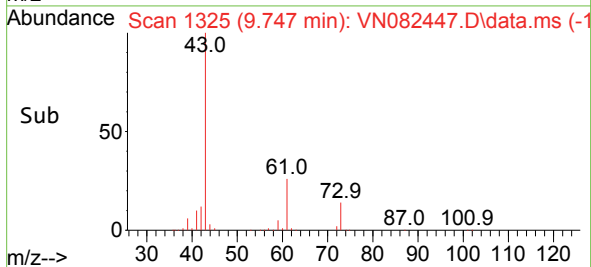
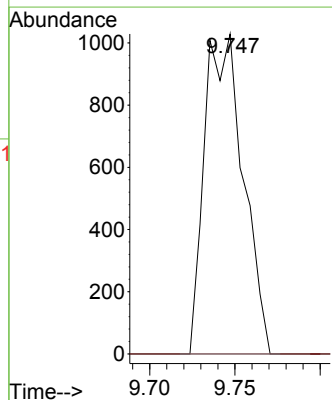
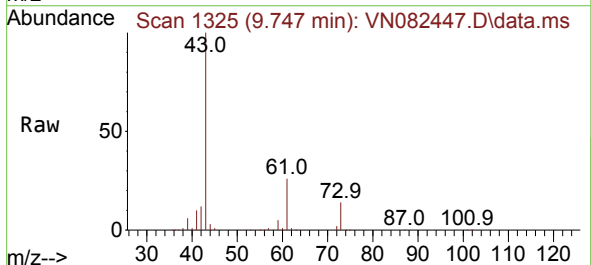


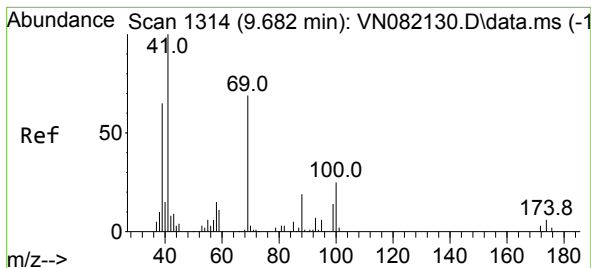
Tgt Ion: 43 Resp: 275293
Ion Ratio Lower Upper
43 100
61 11.0 22.8 34.2#
87 6.9 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 0.716 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Tgt Ion: 63 Resp: 1625
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#





#48

Methyl methacrylate

Concen: 1.973 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082447.D

Acq: 03 Jun 2024 20:29

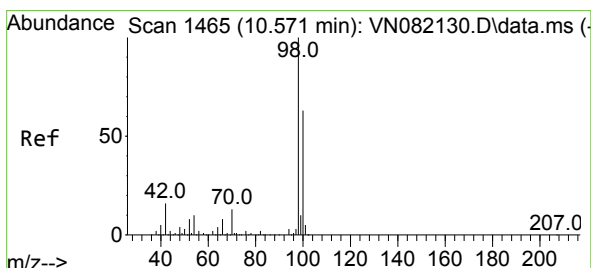
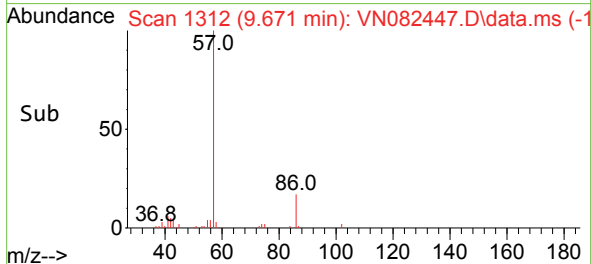
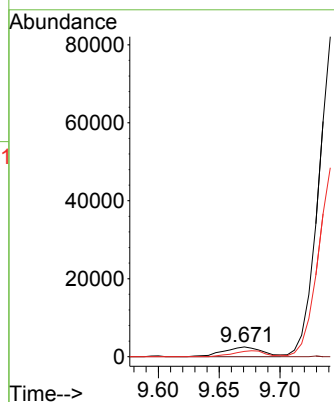
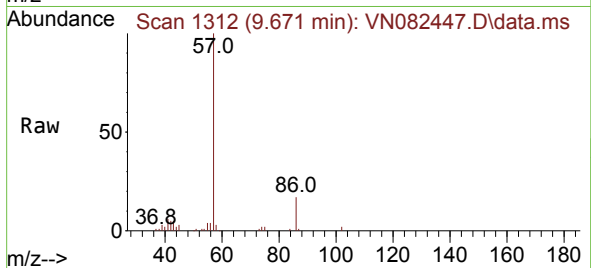
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 41 Resp: 5498

Ion	Ratio	Lower	Upper
41	100		
69	0.0	77.9	116.9#
39	49.4	50.9	76.3#



#50

Toluene-d8

Concen: 56.275 ug/l

RT: 10.571 min Scan# 1465

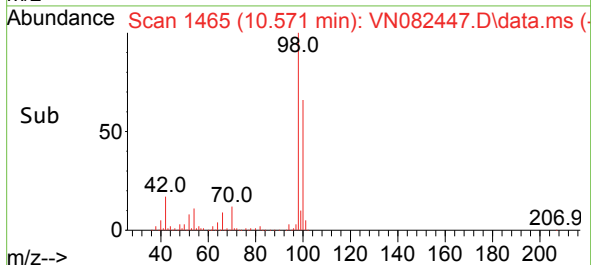
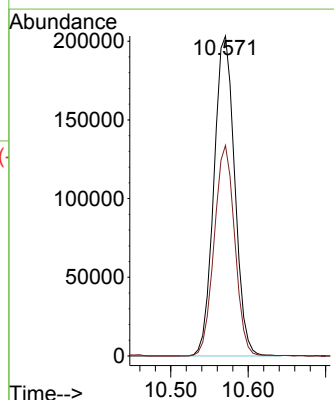
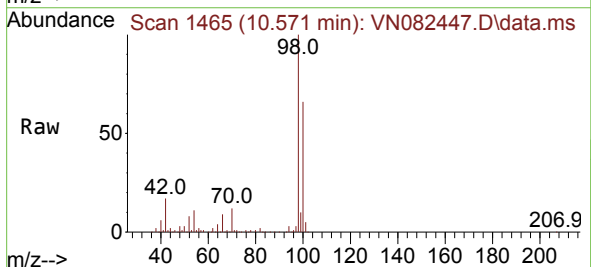
Delta R.T. -0.000 min

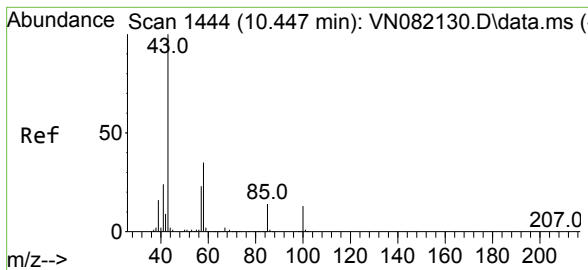
Lab File: VN082447.D

Acq: 03 Jun 2024 20:29

Tgt Ion: 98 Resp: 379333

Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.6

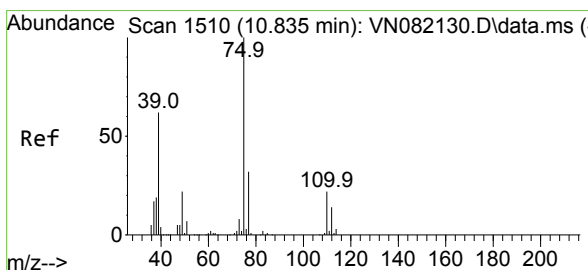
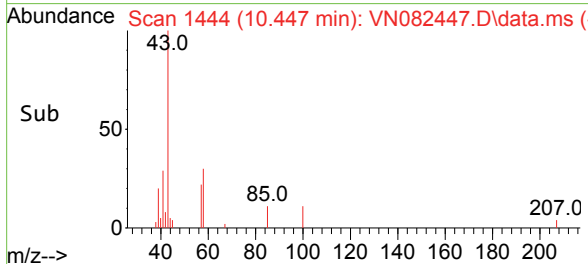
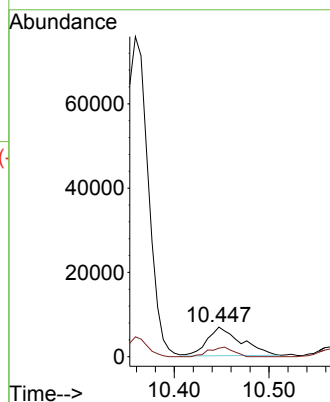
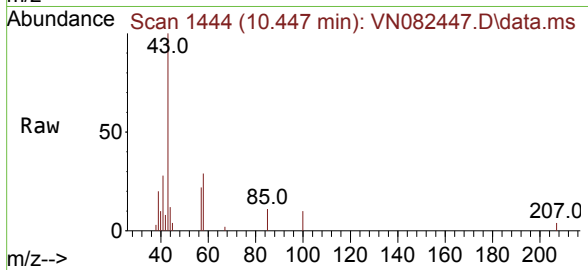




#51
4-Methyl-2-Pentanone
Concen: 5.108 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

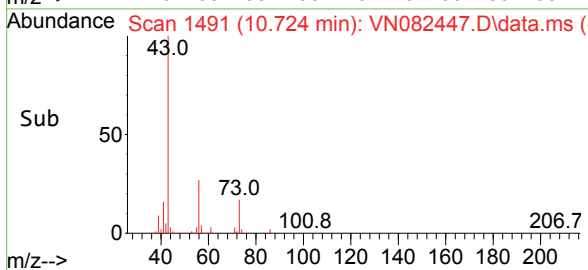
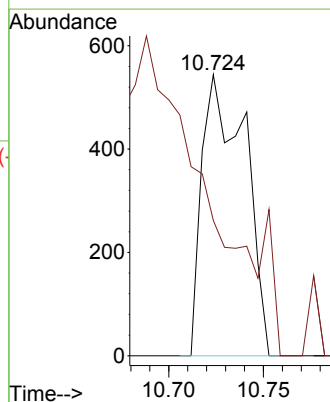
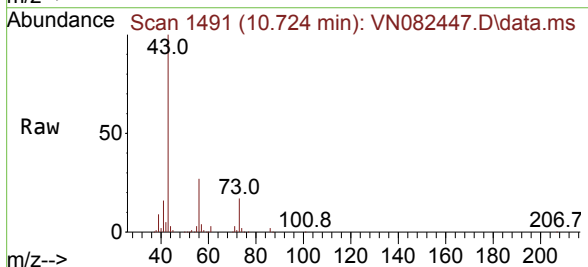
Instrument :
MSVOA_N
ClientSampleId :

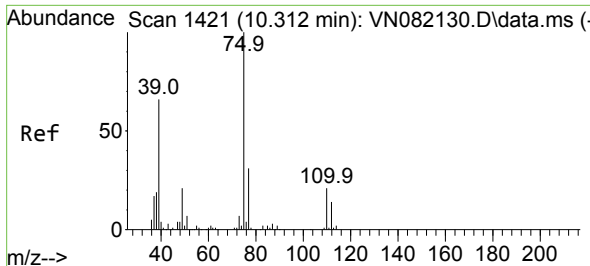
Tgt Ion: 43 Resp: 16969
Ion Ratio Lower Upper
43 100
58 23.9 33.2 49.8#



#53
t-1,3-Dichloropropene
Concen: 0.264 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Tgt Ion: 75 Resp: 858
Ion Ratio Lower Upper
75 100
77 48.2 25.4 38.0#

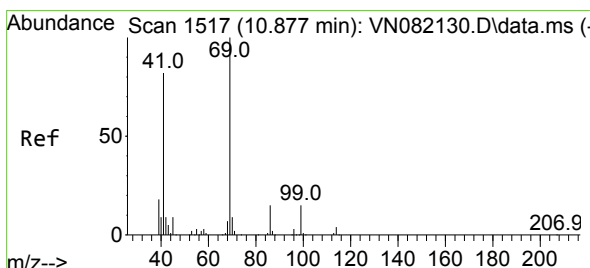
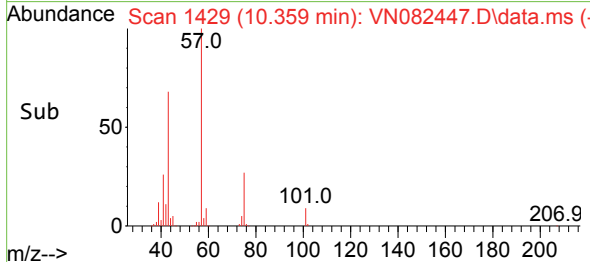
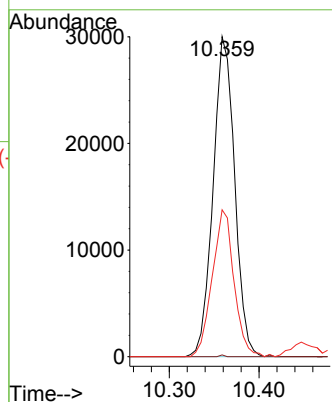
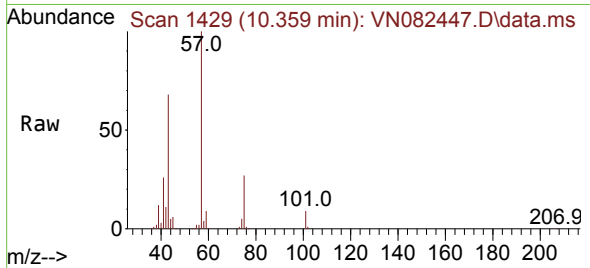




#54
 cis-1,3-Dichloropropene
 Concen: 14.532 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082447.D
 Acq: 03 Jun 2024 20:29

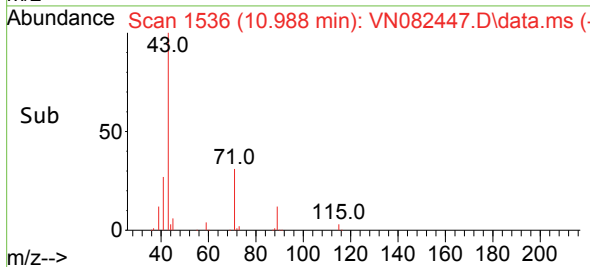
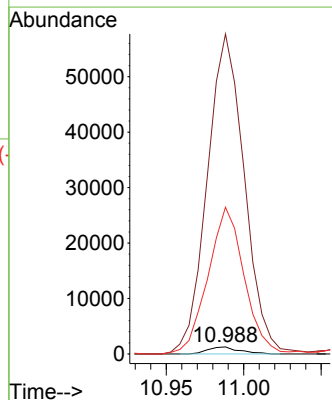
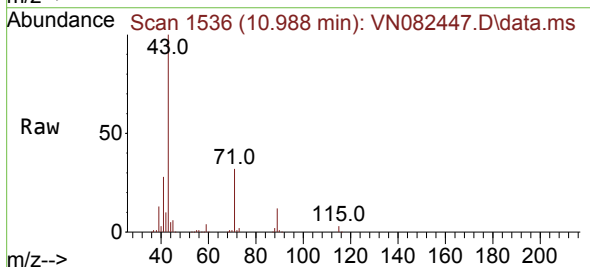
Instrument :
 MSVOA_N
 ClientSampleId :

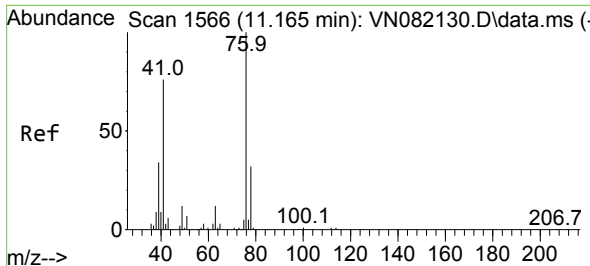
Tgt Ion: 75 Resp: 50024
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.4#
 39 45.9 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.553 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082447.D
 Acq: 03 Jun 2024 20:29

Tgt Ion: 69 Resp: 1799
 Ion Ratio Lower Upper
 69 100
 41 5353.4 46.6 70.0#
 39 2400.6 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.776 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.041 min

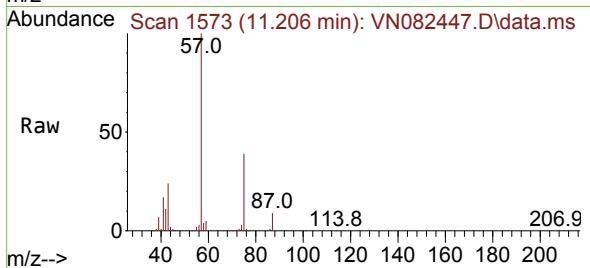
Lab File: VN082447.D

Acq: 03 Jun 2024 20:29

Instrument :

MSVOA_N

ClientSampleId :

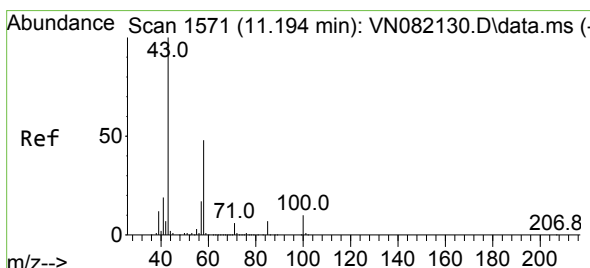
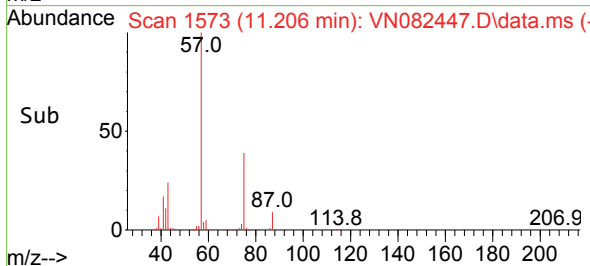
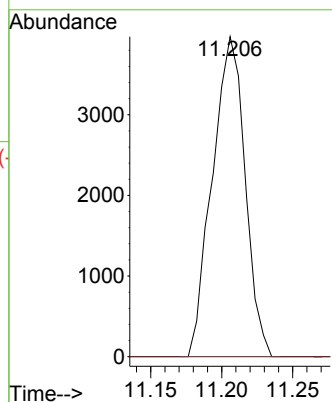


Tgt Ion: 76 Resp: 6369

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 57.478 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082447.D

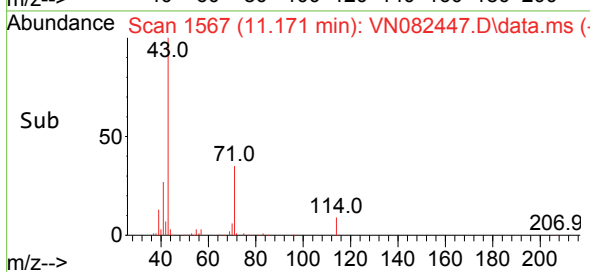
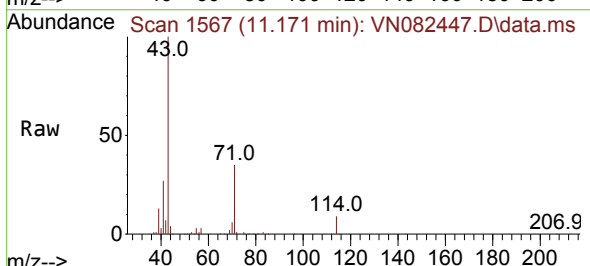
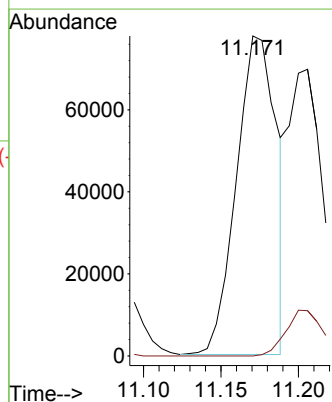
Acq: 03 Jun 2024 20:29

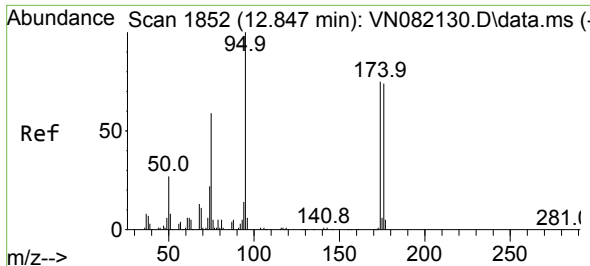
Tgt Ion: 43 Resp: 139820

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

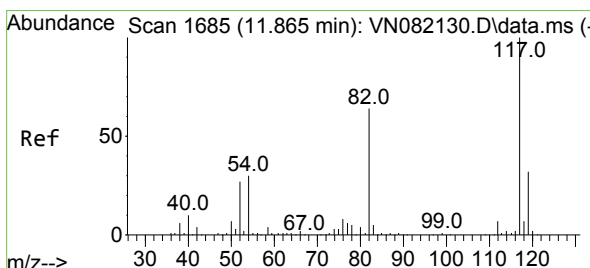
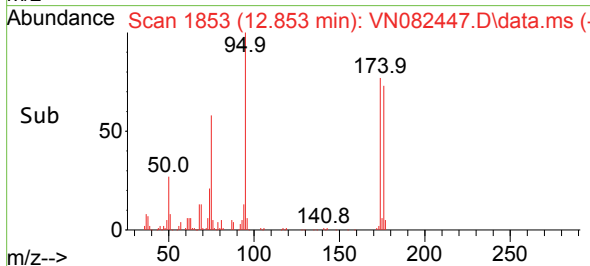
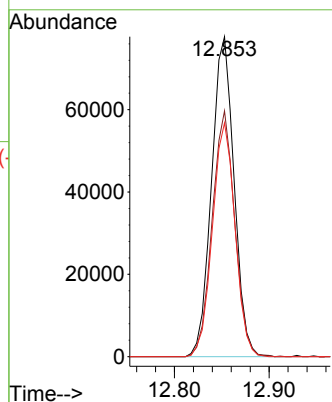
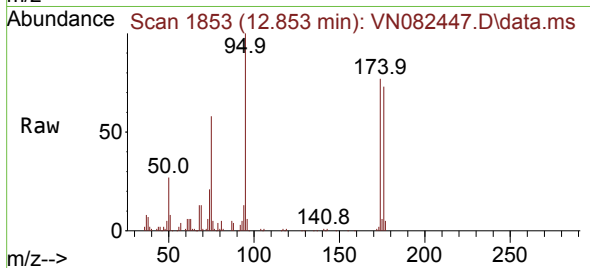




#62
4-Bromofluorobenzene
Concen: 53.302 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

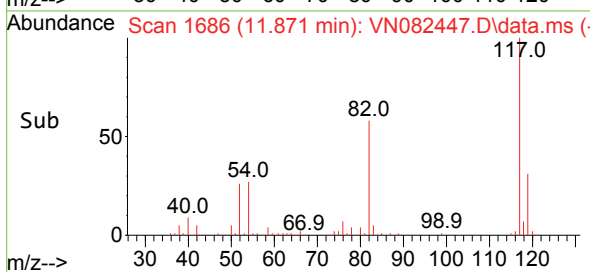
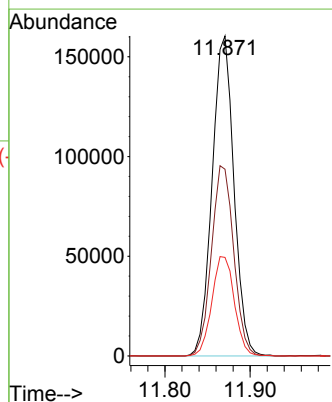
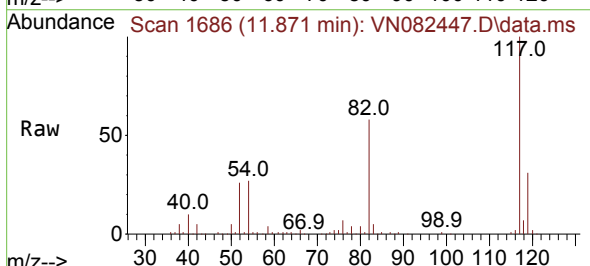
Instrument :
MSVOA_N
ClientSampleId :

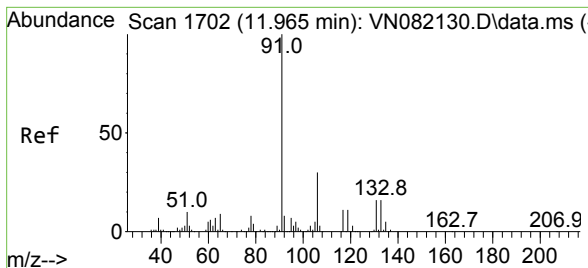
Tgt Ion: 95 Resp: 128240
Ion Ratio Lower Upper
95 100
174 77.1 0.0 160.6
176 73.4 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Tgt Ion: 117 Resp: 285714
Ion Ratio Lower Upper
117 100
82 58.4 44.6 66.8
119 30.8 25.9 38.9

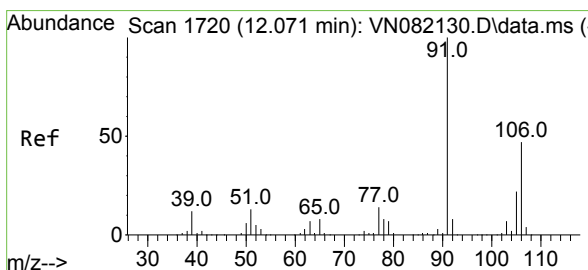
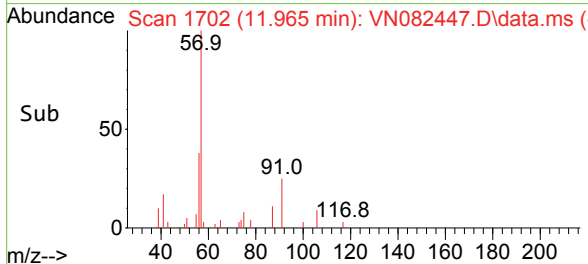
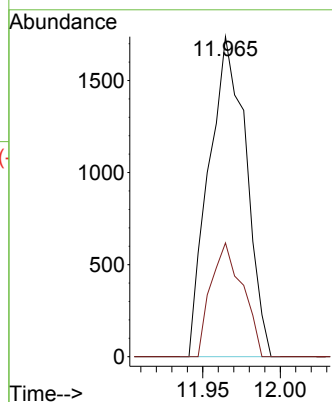
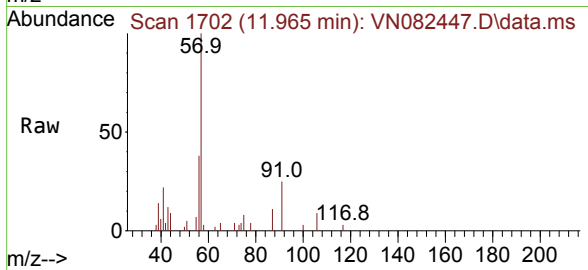




#67
Ethyl Benzene
Concen: 0.256 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

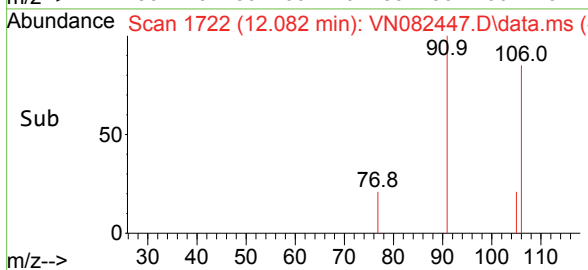
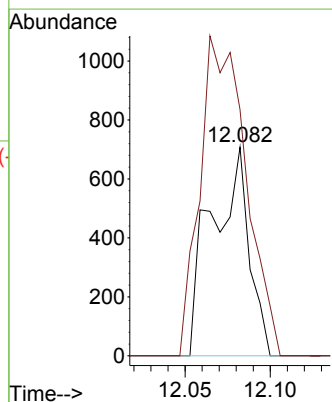
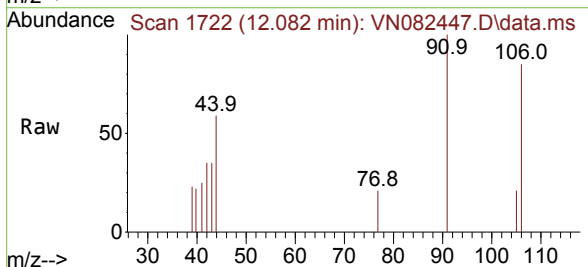
Instrument :
MSVOA_N
ClientSampleId :

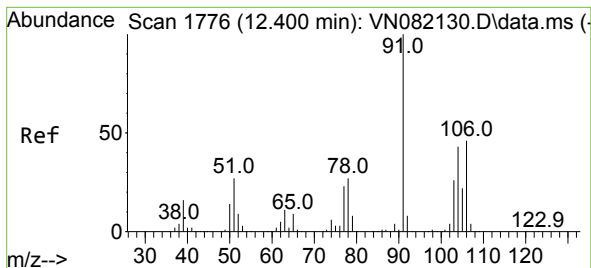
Tgt Ion: 91 Resp: 2888
Ion Ratio Lower Upper
91 100
106 35.6 25.3 37.9



#68
m/p-Xylenes
Concen: 0.260 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.012 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Tgt Ion: 106 Resp: 1078
Ion Ratio Lower Upper
106 100
91 188.4 159.4 239.0





#69

o-Xylene

Concen: 0.214 ug/l

RT: 12.394 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN082447.D

Acq: 03 Jun 2024 20:29

Instrument :

MSVOA_N

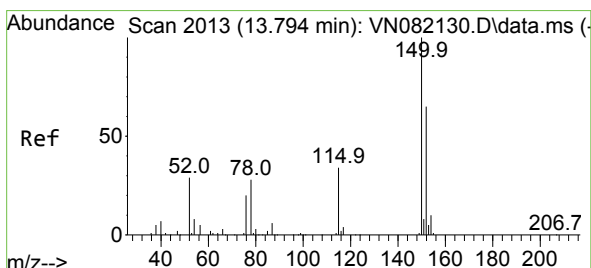
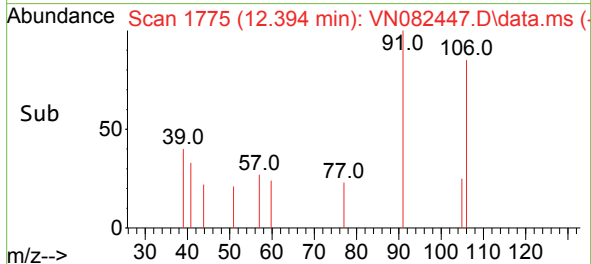
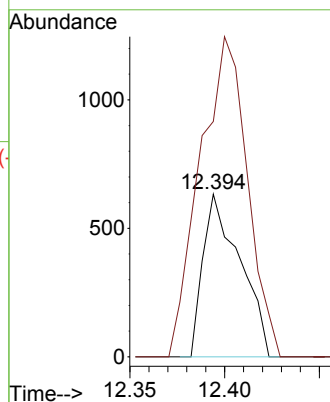
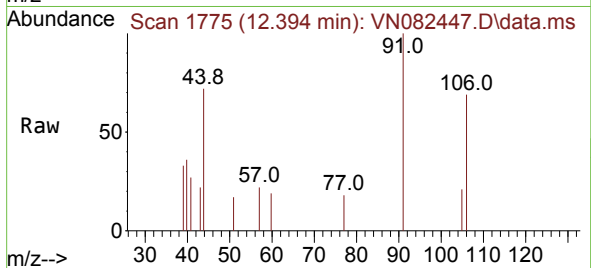
ClientSampleId :

Tgt Ion:106 Resp: 858

Ion Ratio Lower Upper

106 100

91 252.0 104.7 314.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082447.D

Acq: 03 Jun 2024 20:29

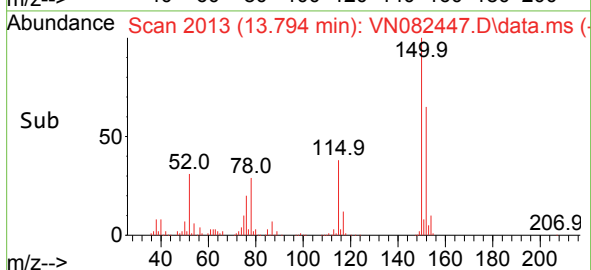
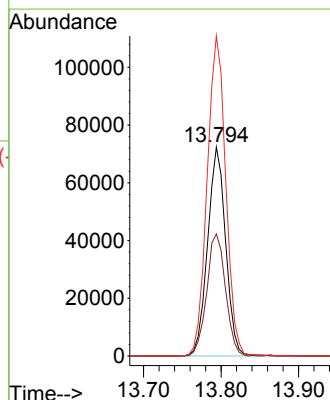
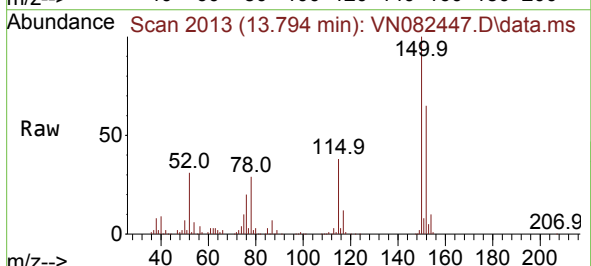
Tgt Ion:152 Resp: 117076

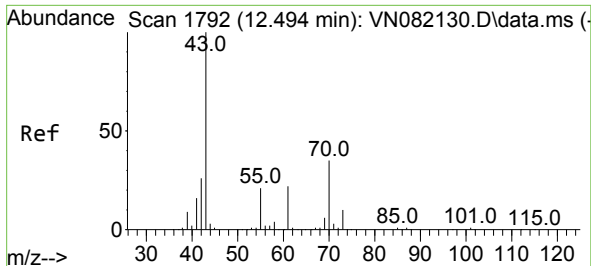
Ion Ratio Lower Upper

152 100

115 60.7 30.4 91.3

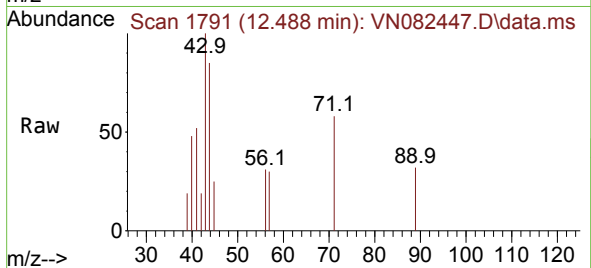
150 158.0 0.0 353.2



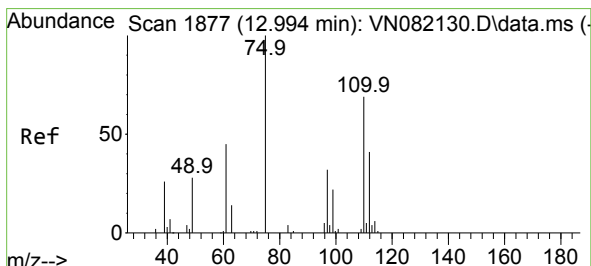
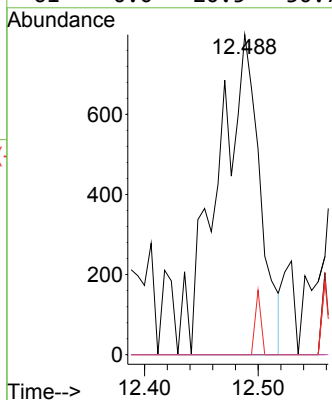
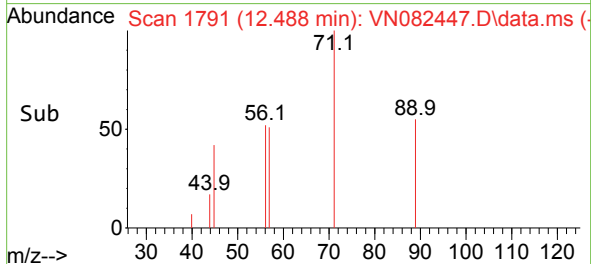


#74
N-amy1 acetate
Concen: 0.409 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

Instrument :
MSVOA_N
ClientSampleId :

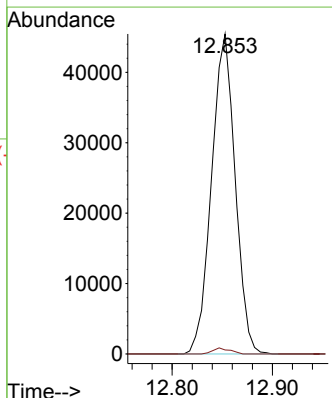
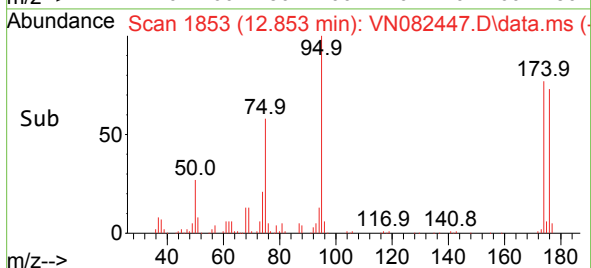
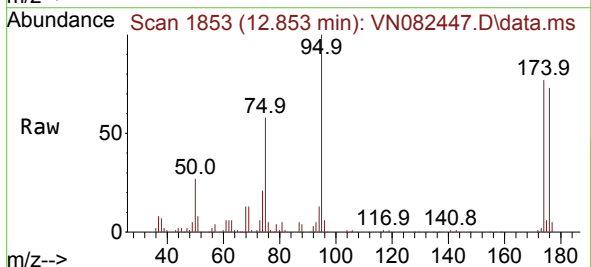


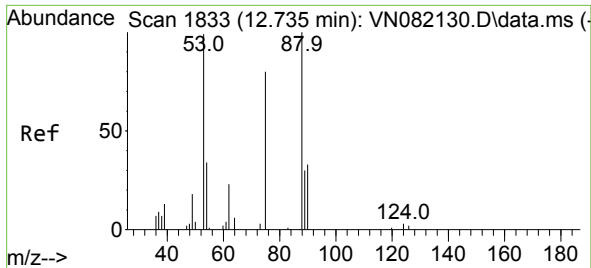
Tgt Ion:	43	Resp:	2093
Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	2.7	21.3	31.9#
61	0.0	20.5	30.7#



#76
1,2,3-Trichloropropane
Concen: 30.197 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082447.D
Acq: 03 Jun 2024 20:29

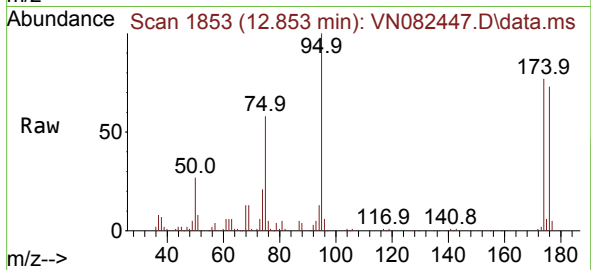
Tgt Ion:	75	Resp:	74410
Ion	Ratio	Lower	Upper
75	100		
77	1.4	90.5	271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.629 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN082447.D
 Acq: 03 Jun 2024 20:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 74410
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.9 109.3#
 89 0.0 39.1 58.7#

