

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052924\
 Data File : VN082378.D
 Acq On : 29 May 2024 18:17
 Operator : JC\MD
 Sample : P2612-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 05:47:12 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

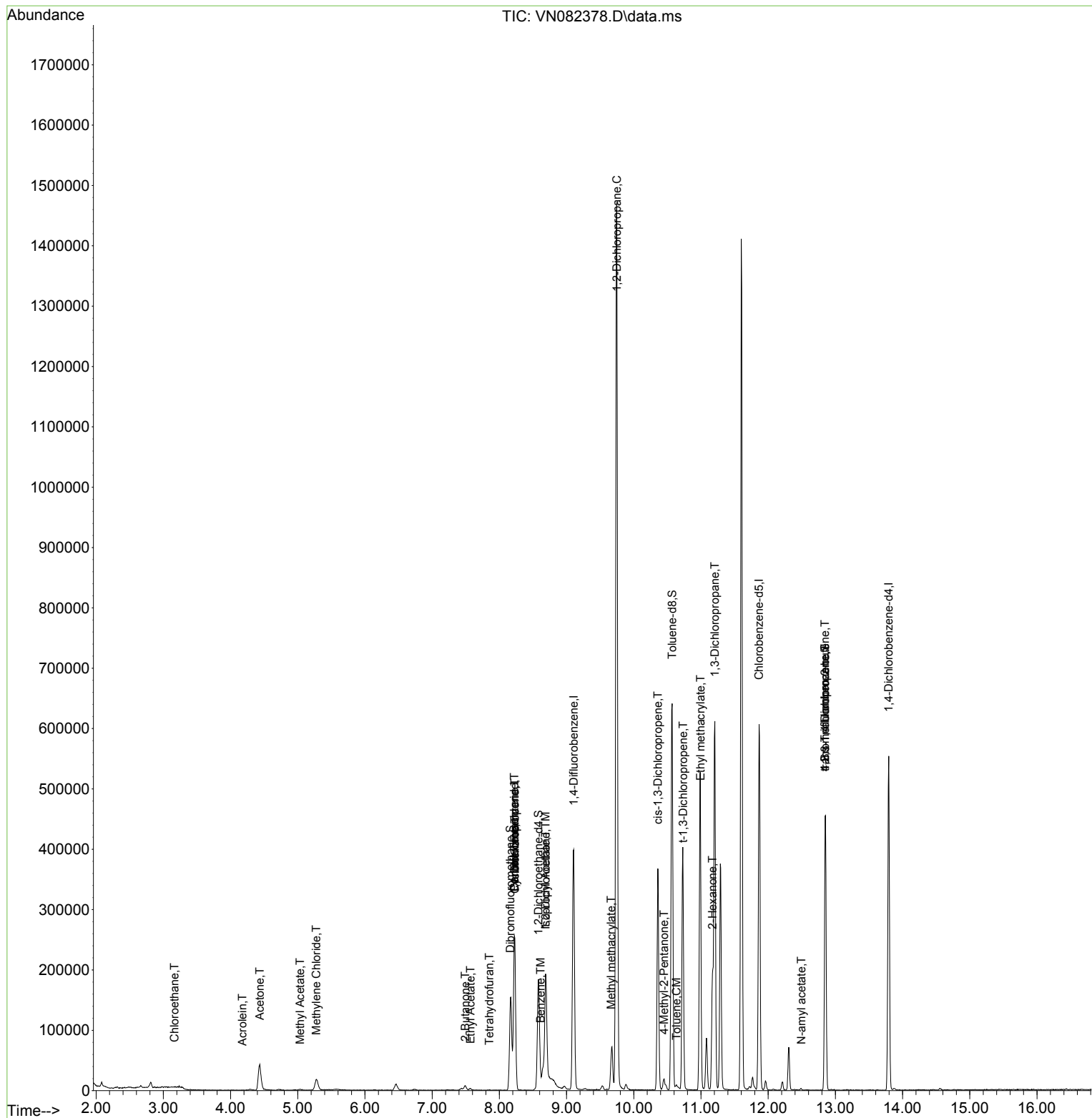
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	180246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	325982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	316277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	135317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	146685	51.538	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.080%	
35) Dibromofluoromethane	8.165	113	107139	53.428	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.860%	
50) Toluene-d8	10.571	98	419389	54.550	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.100%	
62) 4-Bromofluorobenzene	12.847	95	147054	53.590	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 107.180%	
Target Compounds						Qvalue
6) Chloroethane	3.165	64	416	0.230	ug/l #	44
13) Acrolein	4.177	56	127	0.375	ug/l	83
16) Acetone	4.436	43	82506	70.667	ug/l	100
18) Methyl Acetate	5.036	43	2159	0.743	ug/l #	56
20) Methylene Chloride	5.277	84	13324	5.656	ug/l #	77
25) 2-Butanone	7.494	43	12650	7.146	ug/l #	75
29) Tetrahydrofuran	7.853	42	400	0.352	ug/l #	29
31) Cyclohexane	8.230	56	4990	1.098	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	16020	4.763	ug/l #	50
37) Ethyl Acetate	7.571	43	5046	1.341	ug/l #	83
38) Carbon Tetrachloride	8.224	117	18883	5.539	ug/l #	17
40) Benzene	8.612	78	16279	1.623	ug/l	99
42) 1,2-Dichloroethane	8.688	62	1209	0.313	ug/l #	73
43) Isopropyl Acetate	8.688	43	265700	39.840	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	1631	0.630	ug/l #	45
48) Methyl methacrylate	9.665	41	5591	1.759	ug/l #	39
51) 4-Methyl-2-Pentanone	10.453	43	18844	4.973	ug/l #	75
52) Toluene	10.635	92	3121	0.519	ug/l	93
53) t-1,3-Dichloropropene	10.735	75	919	0.248	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	57434	14.628	ug/l #	76
56) Ethyl methacrylate	10.994	69	1484	0.400	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6076	1.486	ug/l #	42
59) 2-Hexanone	11.171	43	158569	57.152	ug/l #	23
74) N-amyl acetate	12.494	43	1842	0.312	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	86319	30.308	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86319	70.888	ug/l #	12

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

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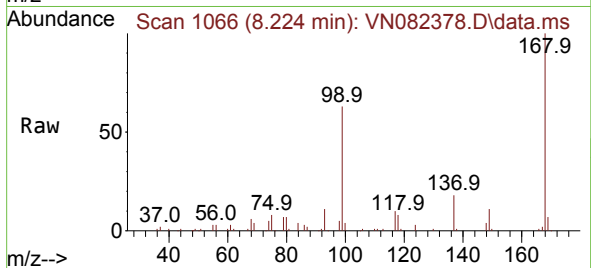
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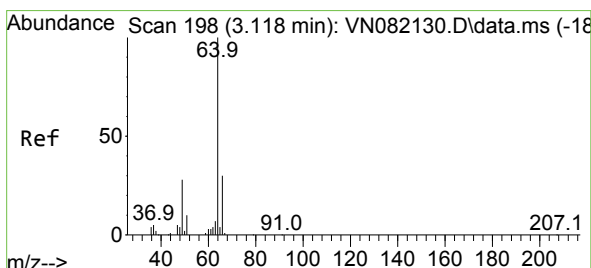
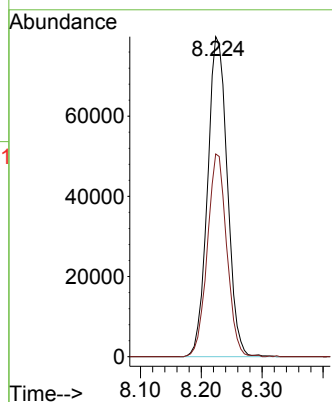
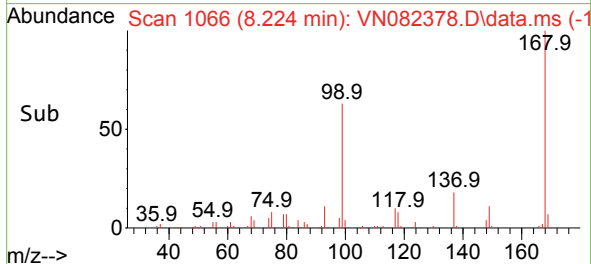


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :

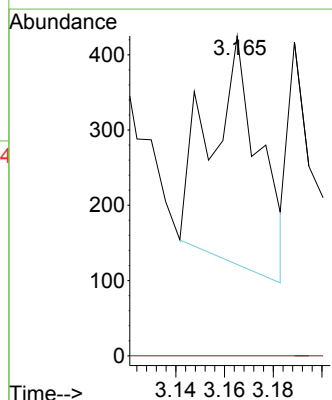
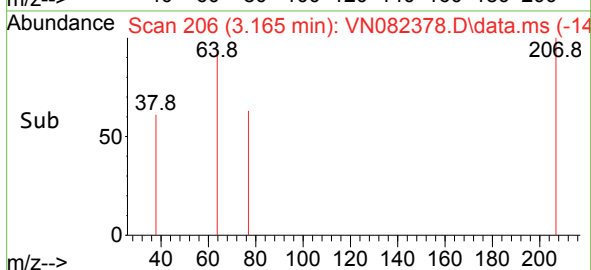
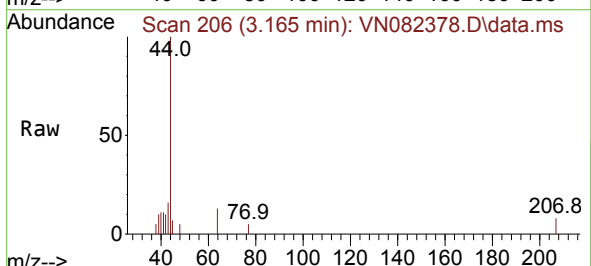


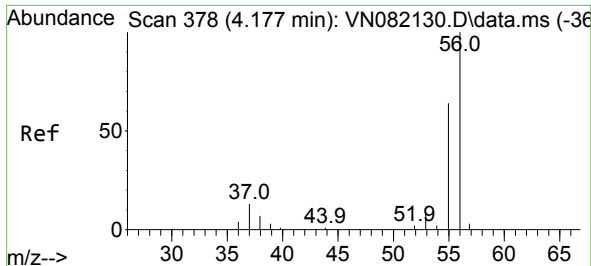
Tgt Ion:168 Resp: 180246
Ion Ratio Lower Upper
168 100
99 63.4 48.2 72.4



#6
Chloroethane
Concen: 0.230 ug/l
RT: 3.165 min Scan# 206
Delta R.T. 0.047 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17

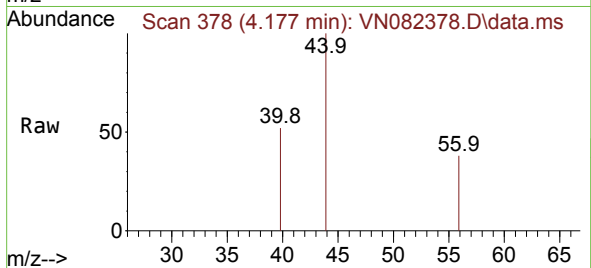
Tgt Ion: 64 Resp: 416
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



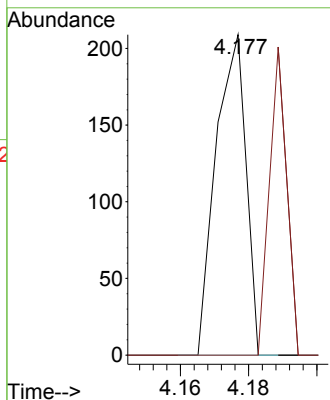
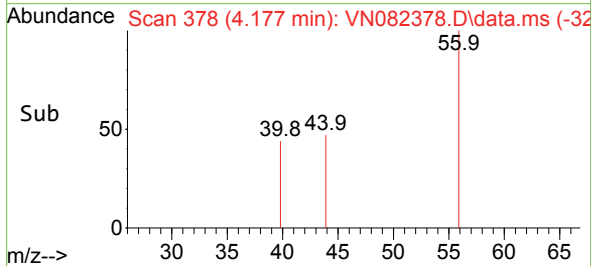


#13
Acrolein
Concen: 0.375 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17

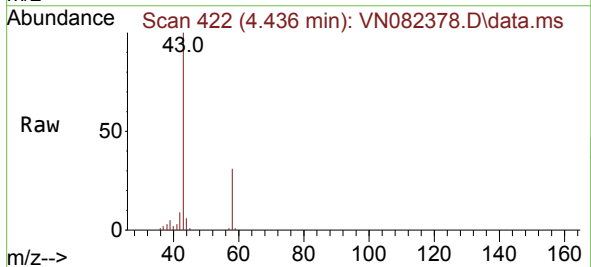
Instrument :
MSVOA_N
ClientSampleId :



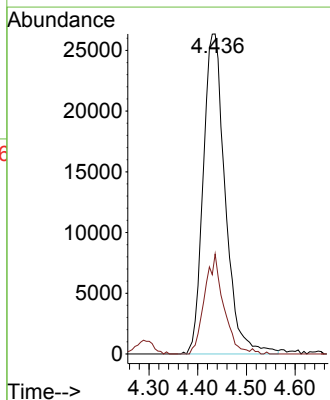
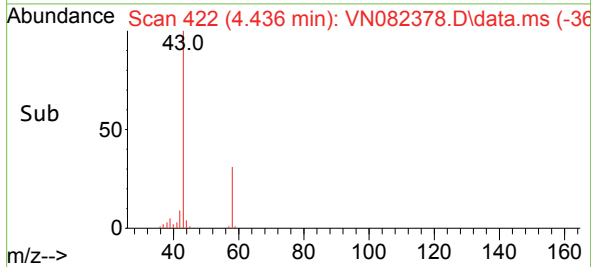
Tgt Ion: 56 Resp: 127
Ion Ratio Lower Upper
56 100
55 55.9 55.8 83.8

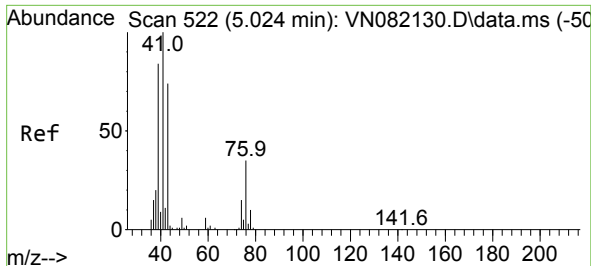


#16
Acetone
Concen: 70.667 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17



Tgt Ion: 43 Resp: 82506
Ion Ratio Lower Upper
43 100
58 31.2 25.2 37.8





#18

Methyl Acetate

Concen: 0.743 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Instrument :

MSVOA_N

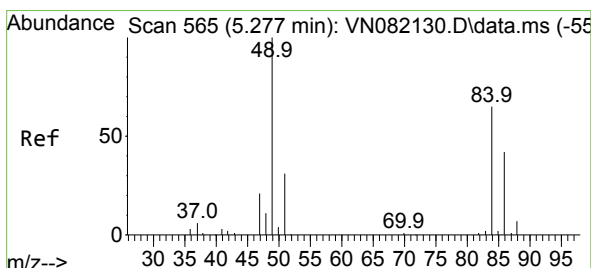
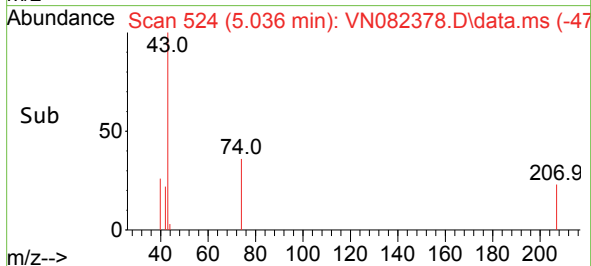
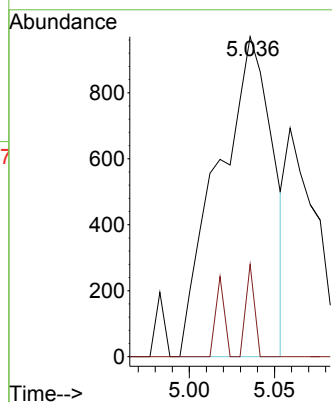
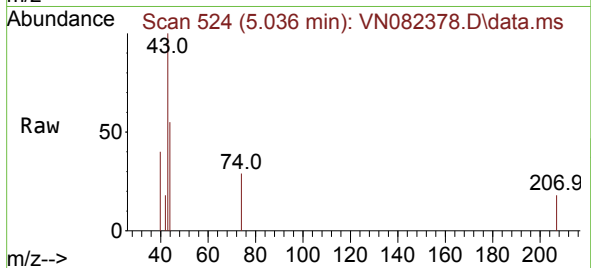
ClientSampleId :

Tgt Ion: 43 Resp: 2159

Ion Ratio Lower Upper

43 100

74 4.6 22.2 33.2#



#20

Methylene Chloride

Concen: 5.656 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.000 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Tgt Ion: 84 Resp: 13324

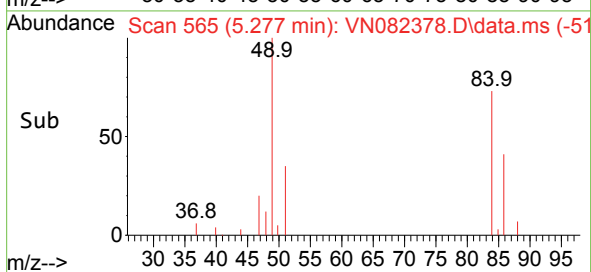
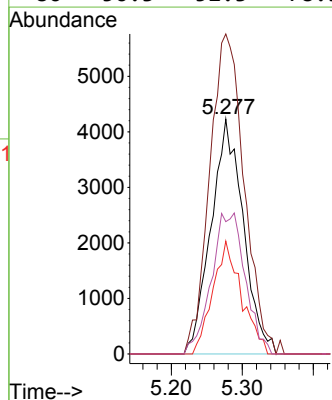
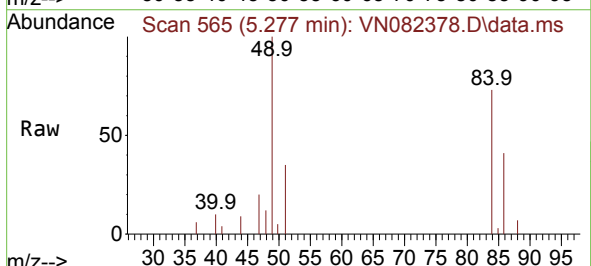
Ion Ratio Lower Upper

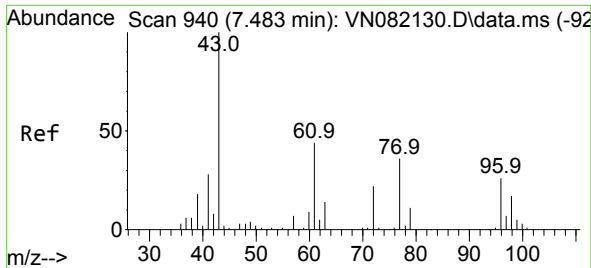
84 100

49 136.3 84.9 127.3#

51 48.0 27.0 40.6#

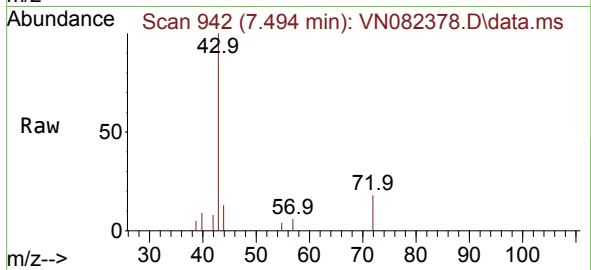
86 56.3 52.3 78.5



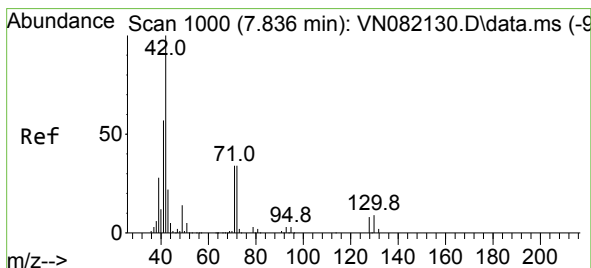
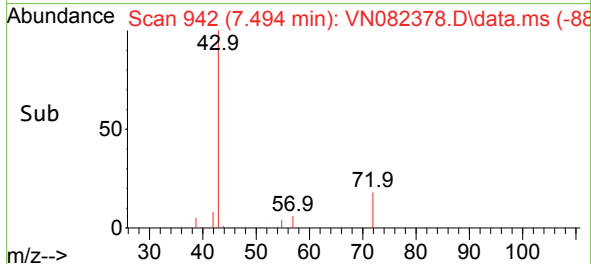
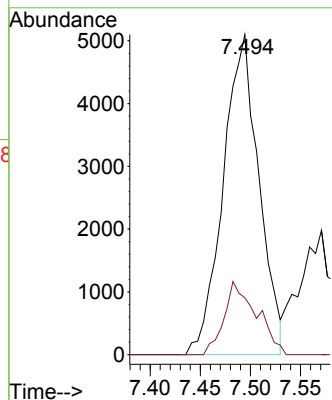


#25
2-Butanone
Concen: 7.146 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :

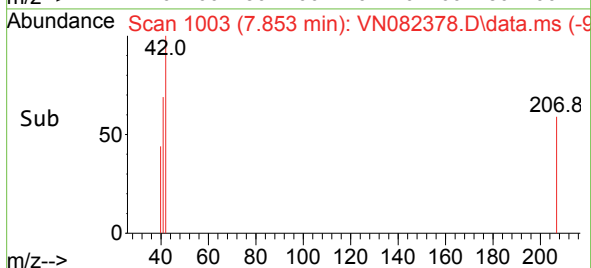
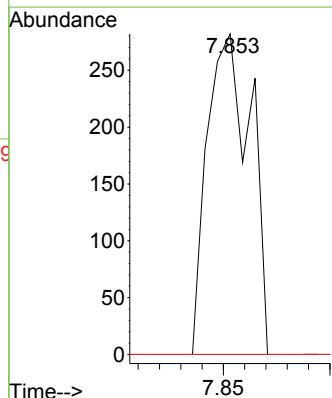
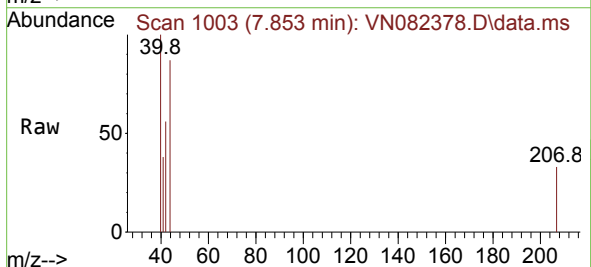


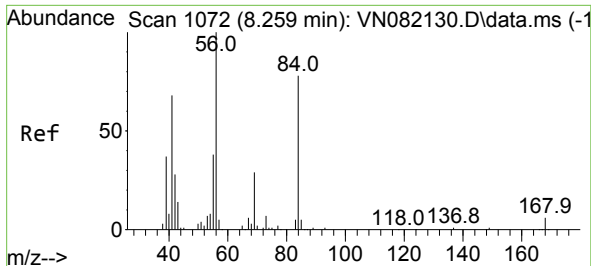
Tgt Ion: 43 Resp: 12650
Ion Ratio Lower Upper
43 100
72 17.8 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.352 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17

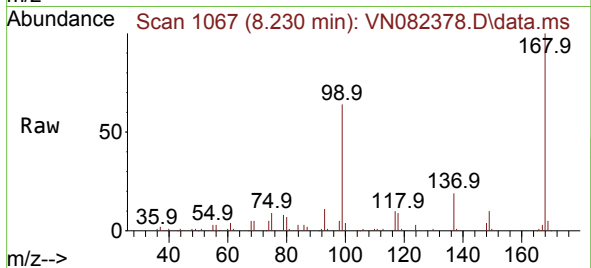
Tgt Ion: 42 Resp: 400
Ion Ratio Lower Upper
42 100
72 0.0 39.3 58.9#
71 0.0 37.4 56.0#



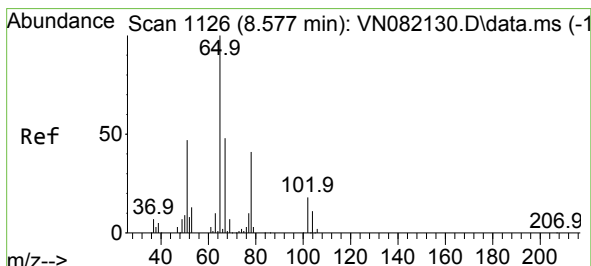
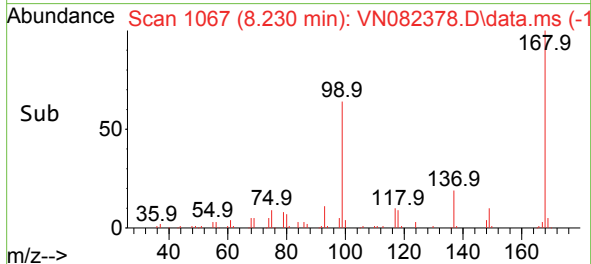
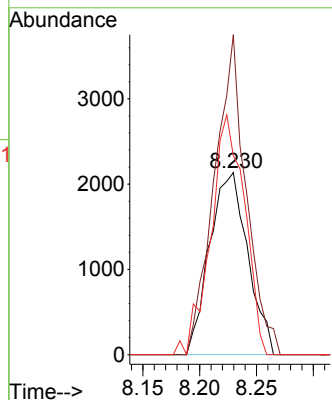


#31
Cyclohexane
Concen: 1.098 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17

Instrument :
MSVOA_N
ClientSampleId :

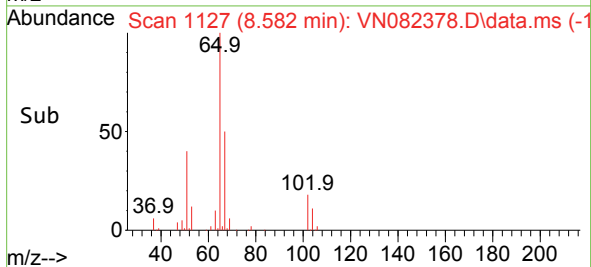
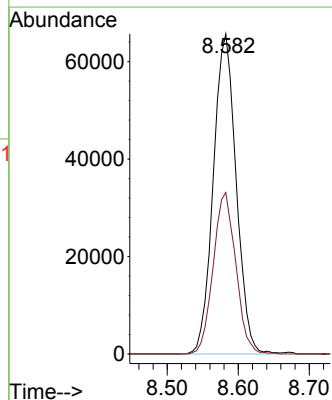
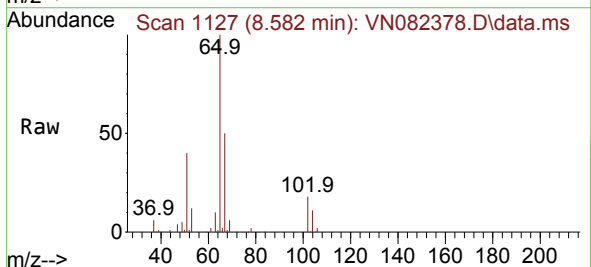


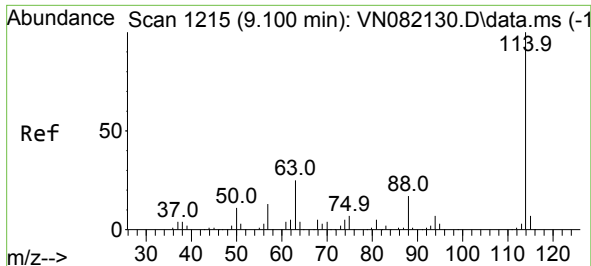
Tgt Ion: 56 Resp: 4990
Ion Ratio Lower Upper
56 100
69 175.7 24.4 36.6#
84 109.3 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.538 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17

Tgt Ion: 65 Resp: 146685
Ion Ratio Lower Upper
65 100
67 49.8 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: VN082378.D

Acq: 29 May 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :

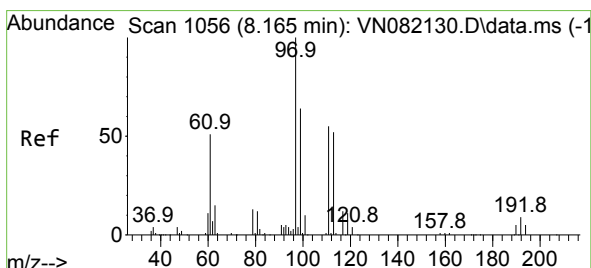
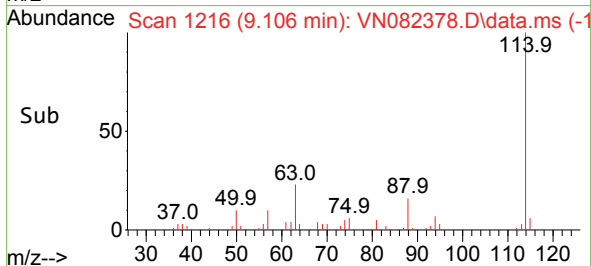
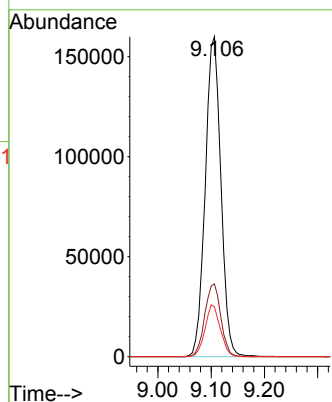
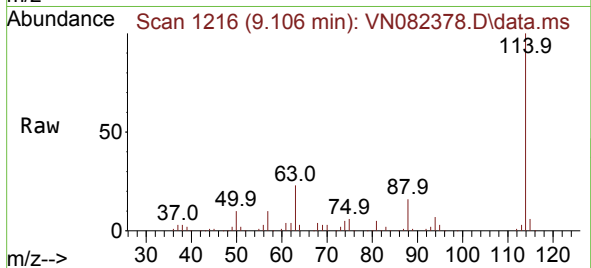
Tgt Ion:114 Resp: 325982

Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.0

88 15.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.428 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

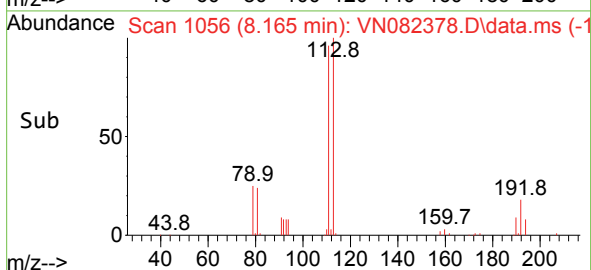
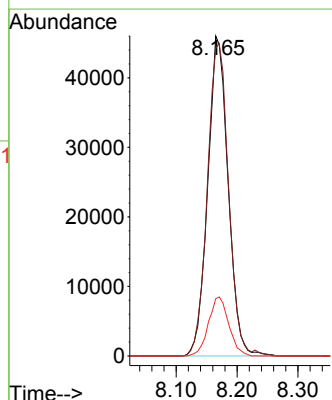
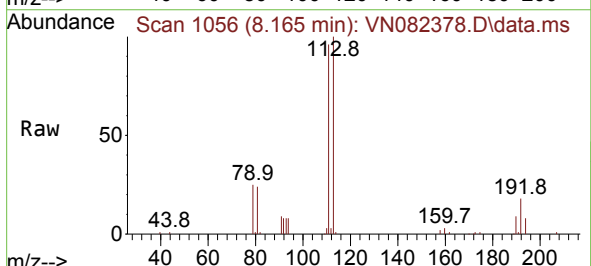
Tgt Ion:113 Resp: 107139

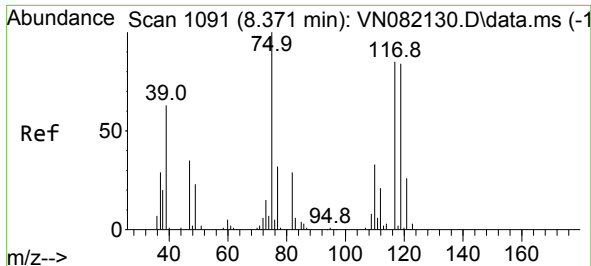
Ion Ratio Lower Upper

113 100

111 101.5 83.4 125.2

192 18.4 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.763 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

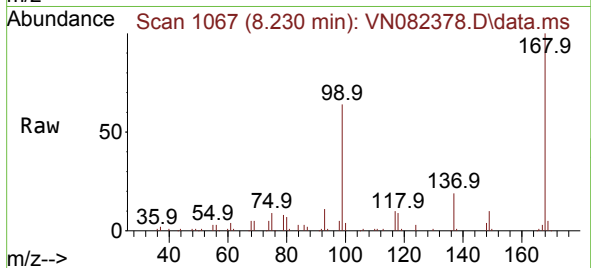
Lab File: VN082378.D

Acq: 29 May 2024 18:17

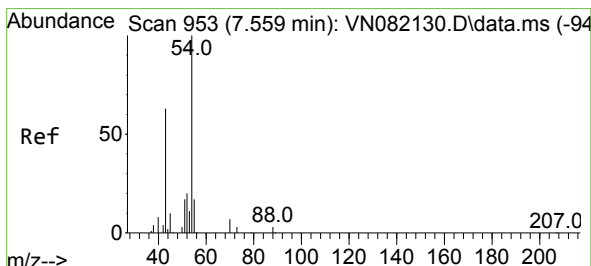
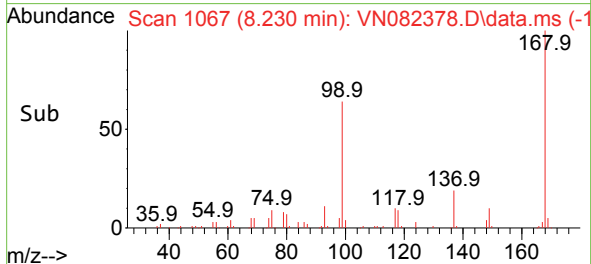
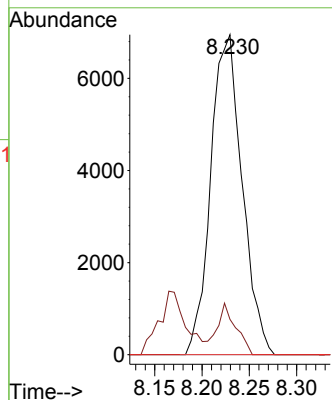
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	16020
Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.8	53.5#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.341 ug/l

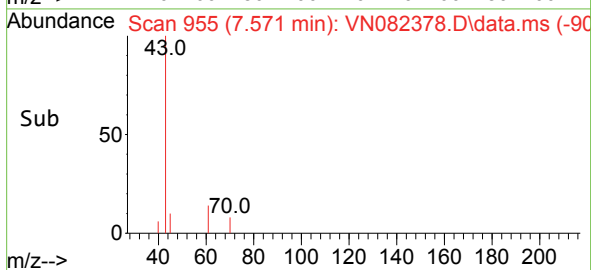
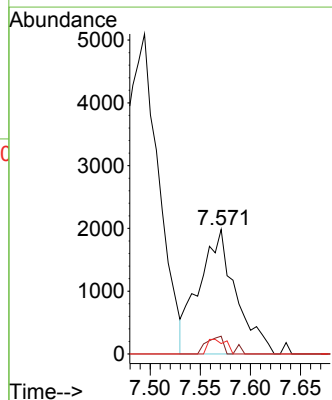
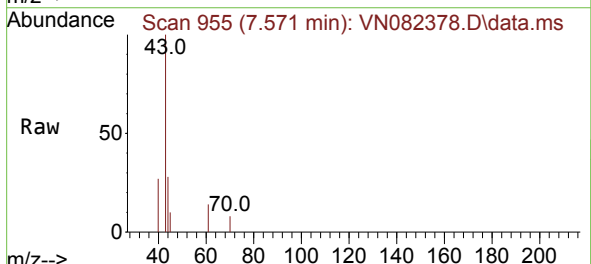
RT: 7.571 min Scan# 955

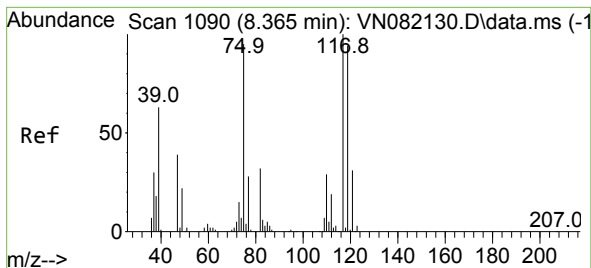
Delta R.T. 0.012 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Tgt Ion:	43	Resp:	5046
Ion	Ratio	Lower	Upper
43	100		
61	6.3	11.3	16.9#
70	5.9	8.7	13.1#





#38

Carbon Tetrachloride

Concen: 5.539 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.141 min

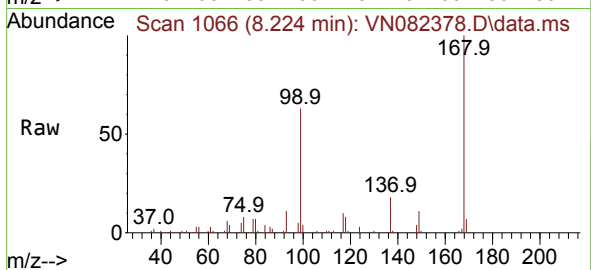
Lab File: VN082378.D

Acq: 29 May 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :



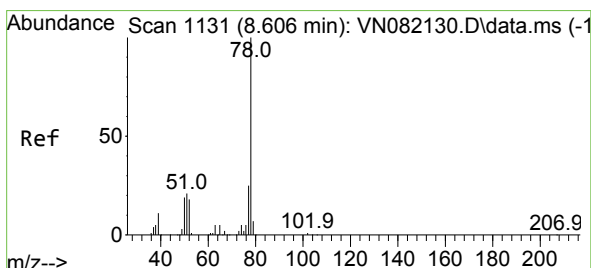
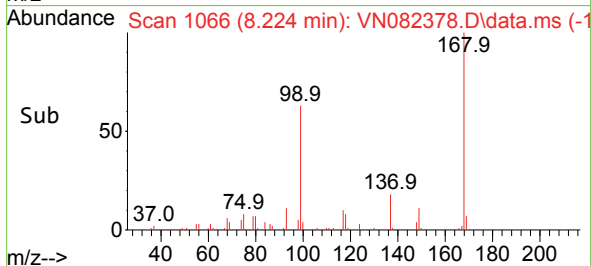
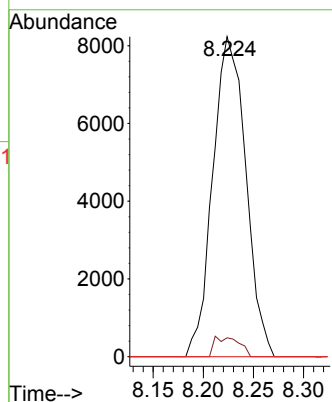
Tgt Ion:117 Resp: 18883

Ion Ratio Lower Upper

117 100

119 5.9 76.5 114.7#

121 0.0 23.9 35.9#



#40

Benzene

Concen: 1.623 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN082378.D

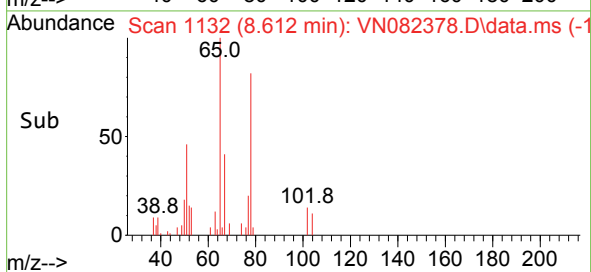
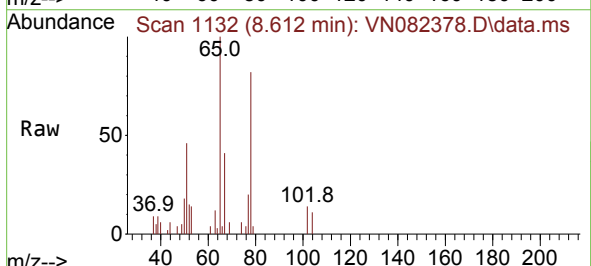
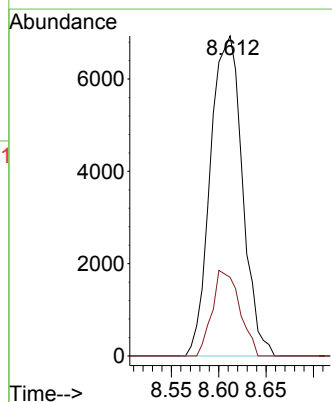
Acq: 29 May 2024 18:17

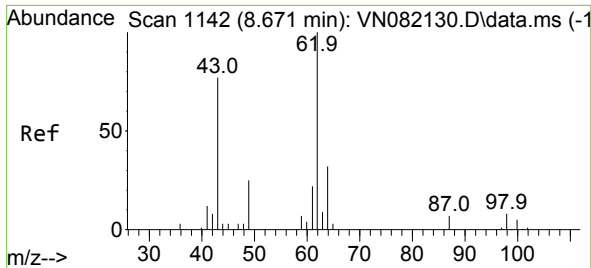
Tgt Ion: 78 Resp: 16279

Ion Ratio Lower Upper

78 100

77 24.5 20.0 30.0





#42

1,2-Dichloroethane

Concen: 0.313 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Instrument :

MSVOA_N

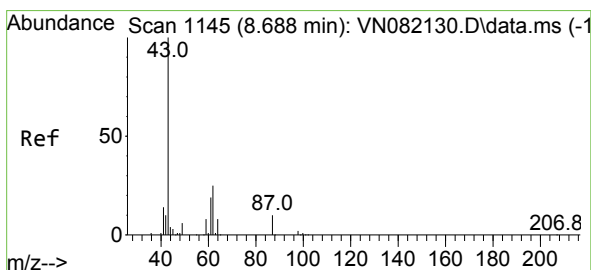
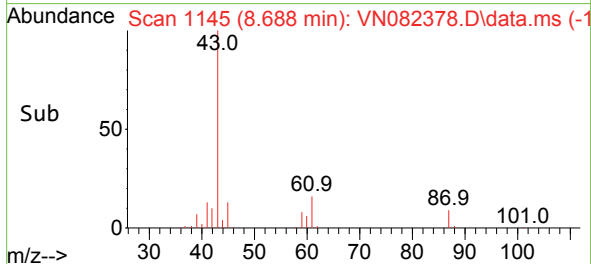
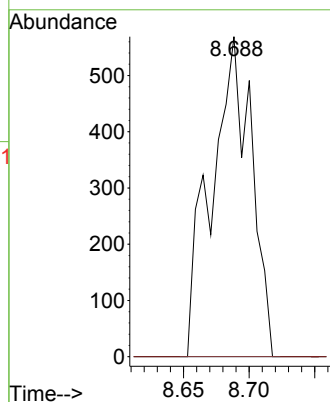
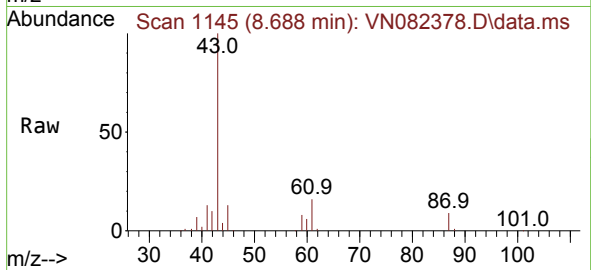
ClientSampleId :

Tgt Ion: 62 Resp: 1209

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 39.840 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

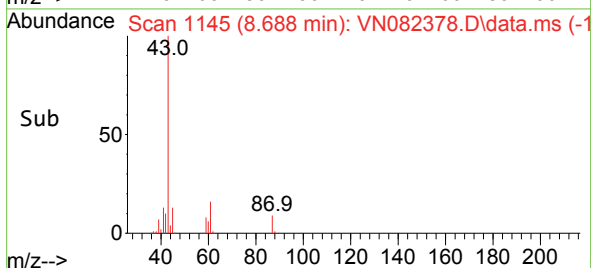
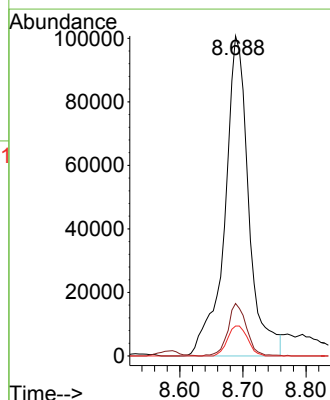
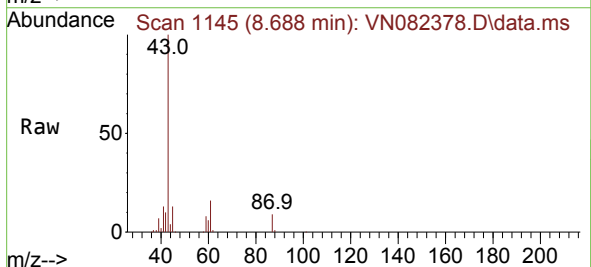
Tgt Ion: 43 Resp: 265700

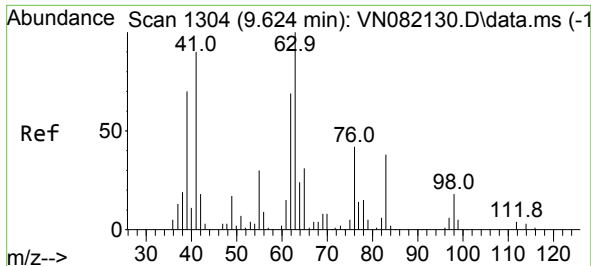
Ion Ratio Lower Upper

43 100

61 12.8 22.8 34.2#

87 7.8 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.630 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Instrument :

MSVOA_N

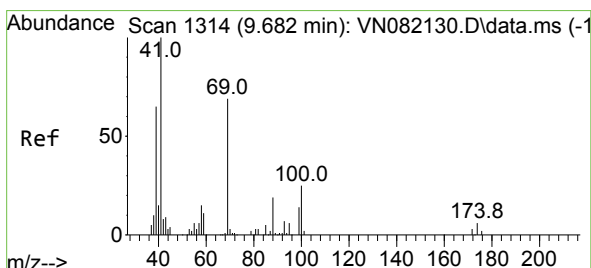
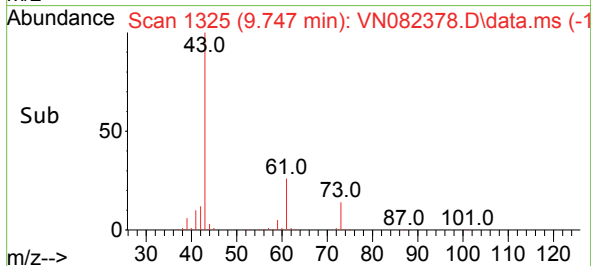
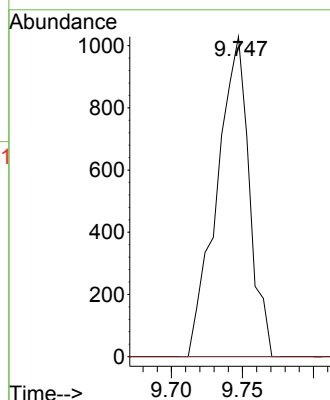
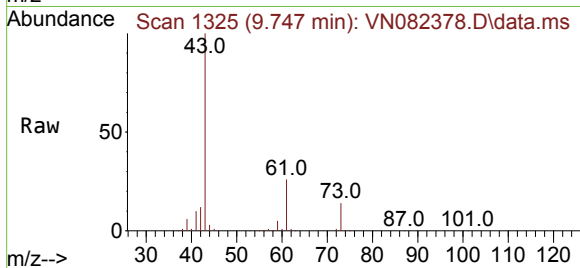
ClientSampleId :

Tgt Ion: 63 Resp: 1631

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.759 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

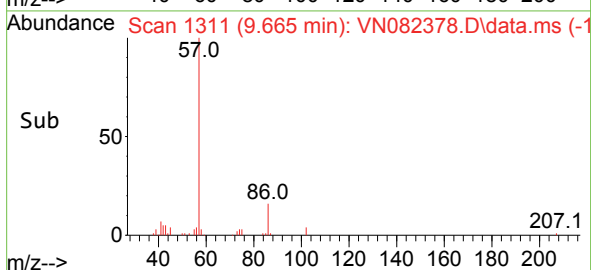
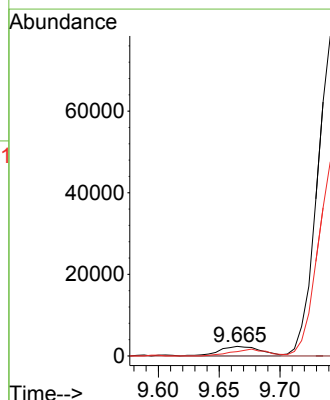
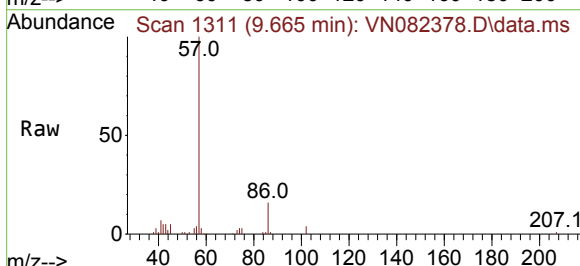
Tgt Ion: 41 Resp: 5591

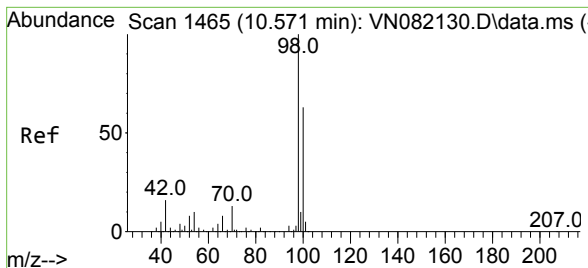
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 61.3 50.9 76.3

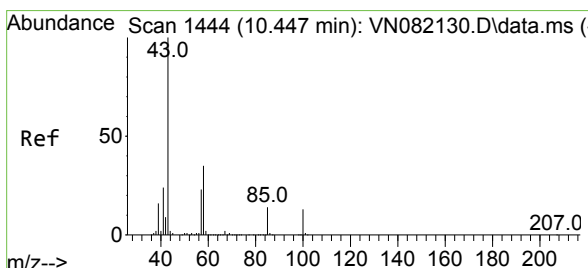
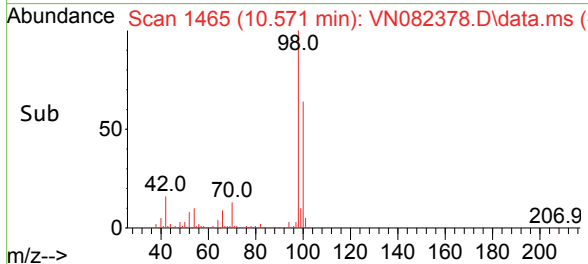
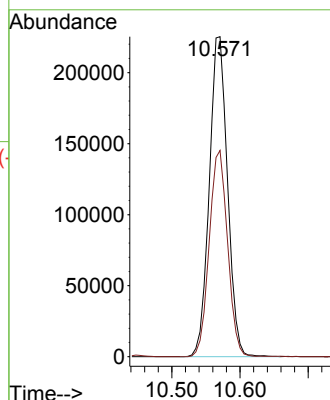
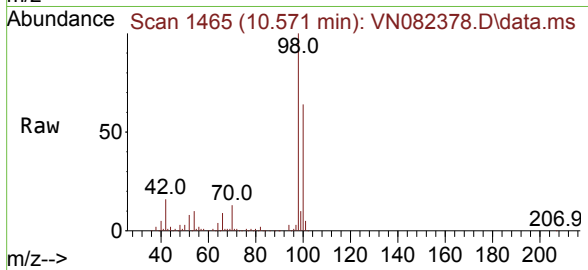




#50
Toluene-d8
Concen: 54.550 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17

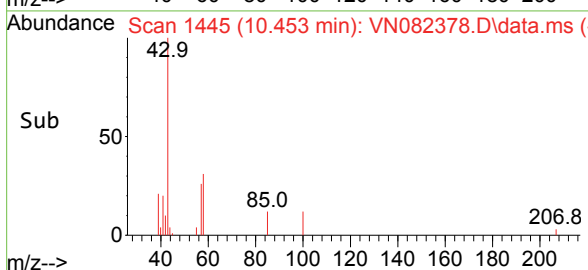
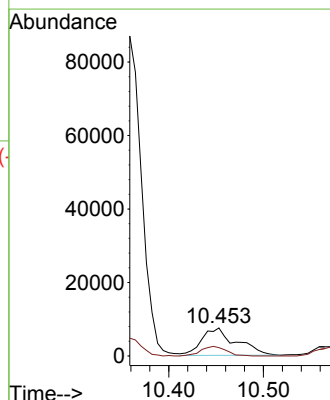
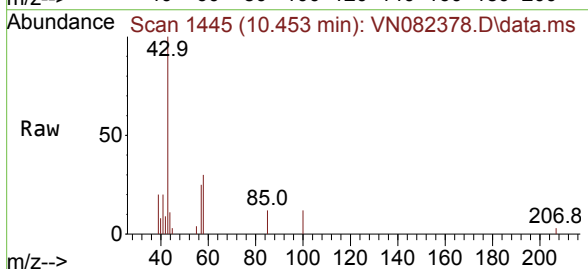
Instrument :
MSVOA_N
ClientSampleId :

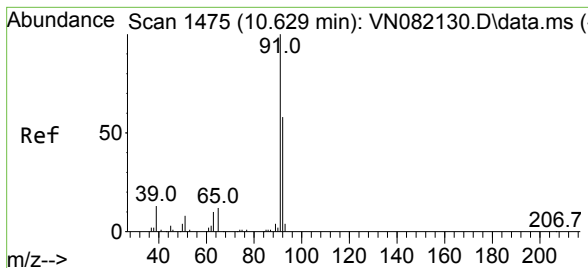
Tgt Ion: 98 Resp: 419389
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 4.973 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082378.D
Acq: 29 May 2024 18:17

Tgt Ion: 43 Resp: 18844
Ion Ratio Lower Upper
43 100
58 25.5 33.2 49.8#





#52

Toluene

Concen: 0.519 ug/l

RT: 10.635 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Instrument :

MSVOA_N

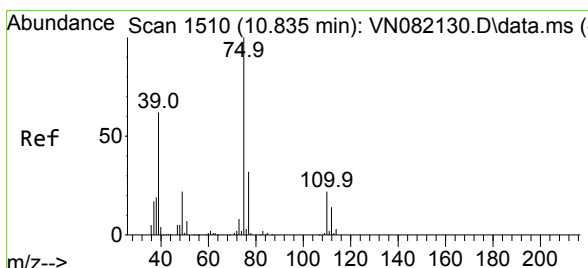
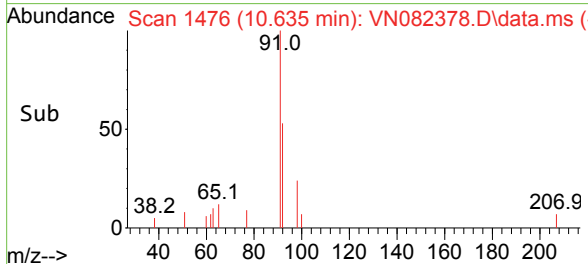
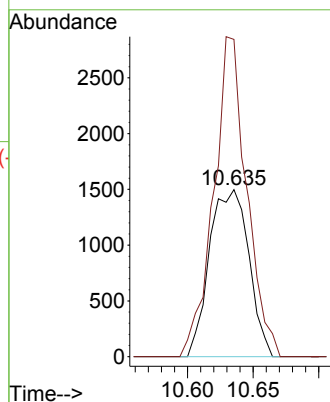
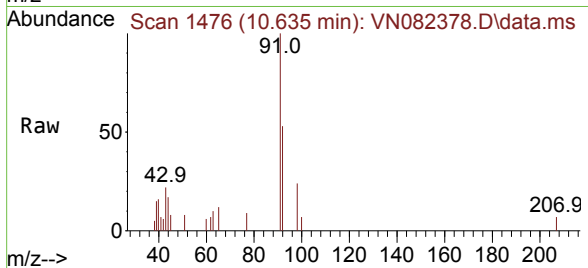
ClientSampleId :

Tgt Ion: 92 Resp: 3121

Ion Ratio Lower Upper

92 100

91 160.8 136.7 205.1



#53

t-1,3-Dichloropropene

Concen: 0.248 ug/l

RT: 10.735 min Scan# 1493

Delta R.T. -0.100 min

Lab File: VN082378.D

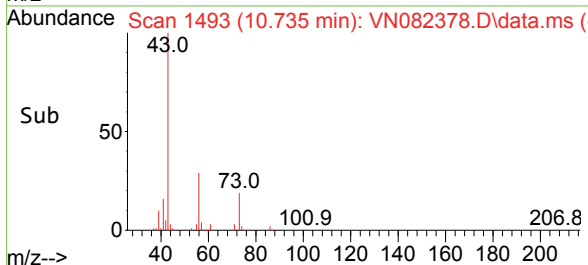
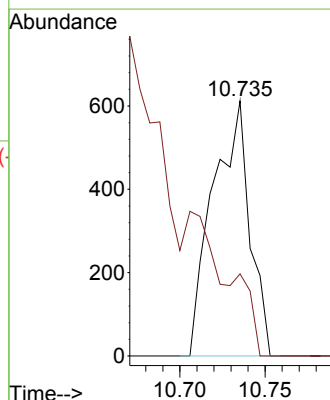
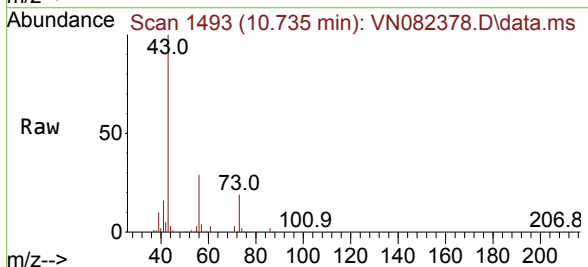
Acq: 29 May 2024 18:17

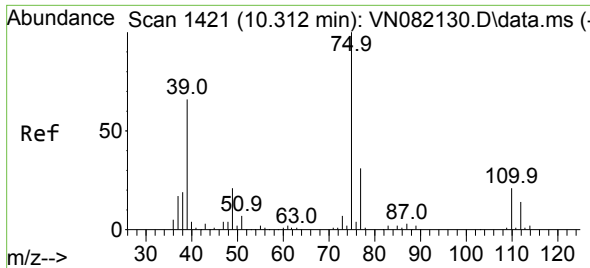
Tgt Ion: 75 Resp: 919

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0

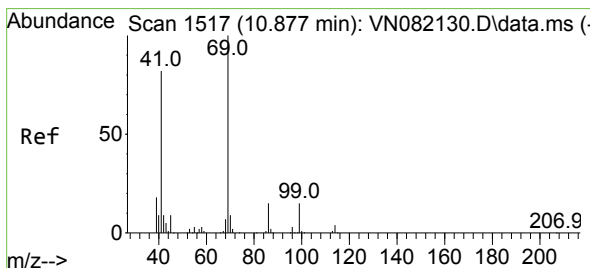
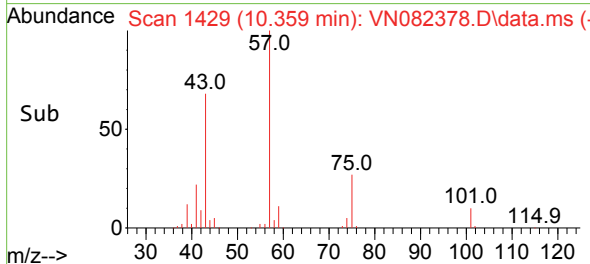
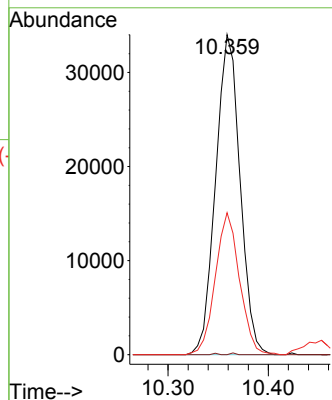
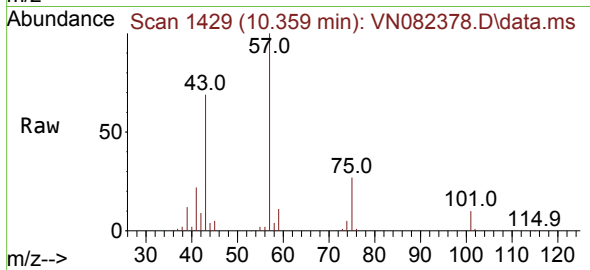




#54
 cis-1,3-Dichloropropene
 Concen: 14.628 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082378.D
 Acq: 29 May 2024 18:17

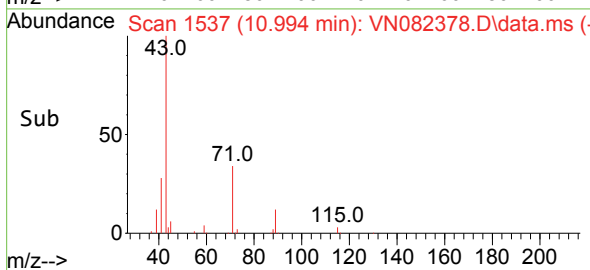
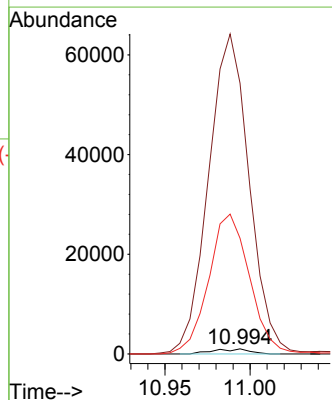
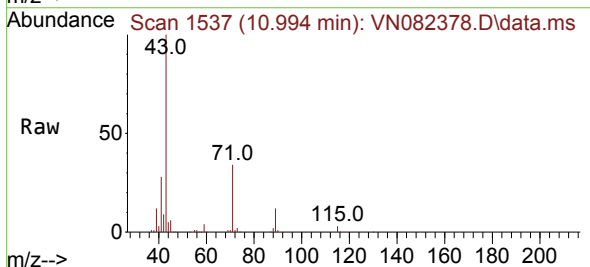
Instrument :
 MSVOA_N
 ClientSampleId :

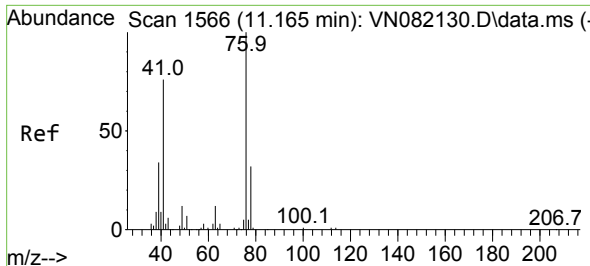
Tgt Ion: 75 Resp: 57434
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 44.4 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.400 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.118 min
 Lab File: VN082378.D
 Acq: 29 May 2024 18:17

Tgt Ion: 69 Resp: 1484
 Ion Ratio Lower Upper
 69 100
 41 7201.2 46.6 70.0#
 39 3171.2 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 1.486 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Instrument :

MSVOA_N

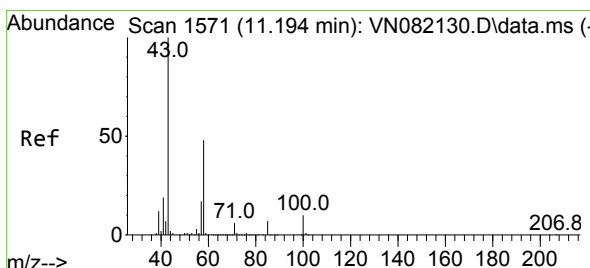
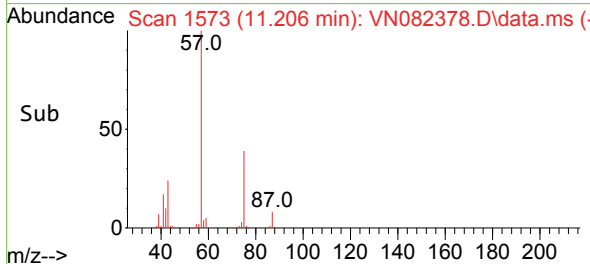
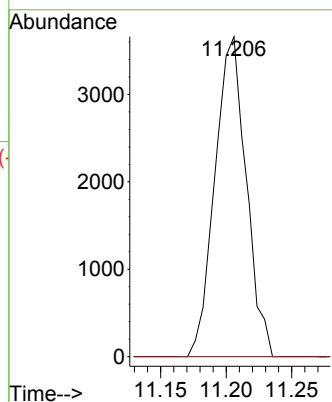
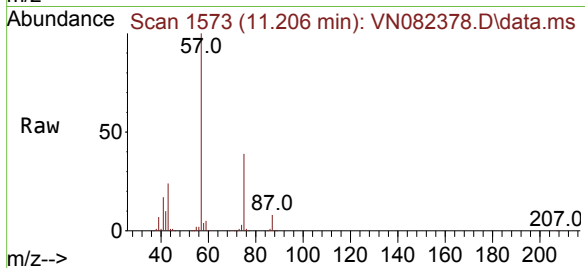
ClientSampleId :

Tgt Ion: 76 Resp: 6076

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 57.152 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN082378.D

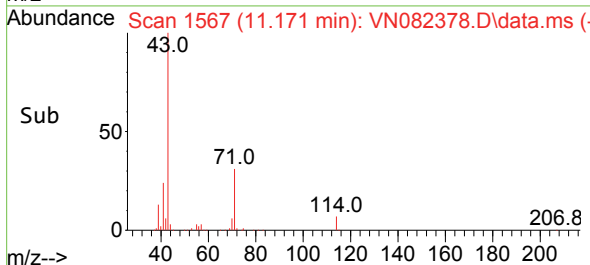
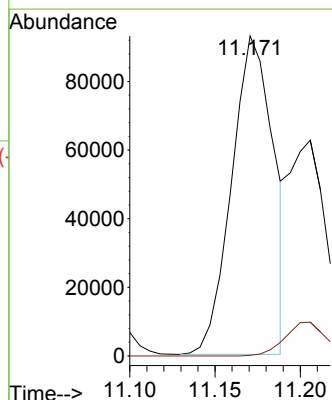
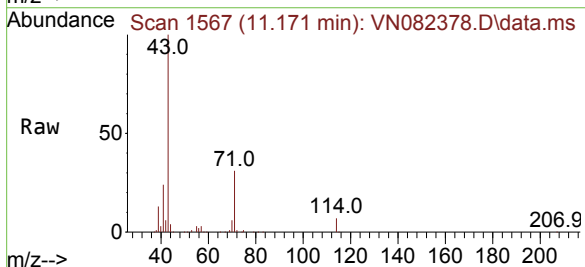
Acq: 29 May 2024 18:17

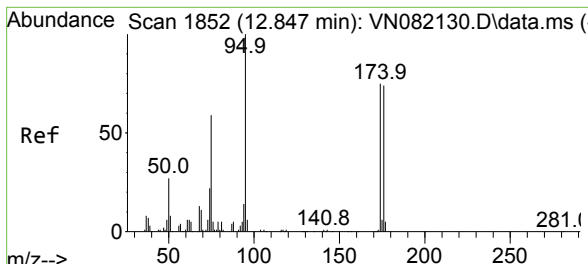
Tgt Ion: 43 Resp: 158569

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

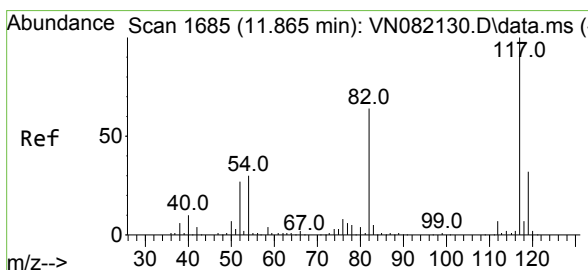
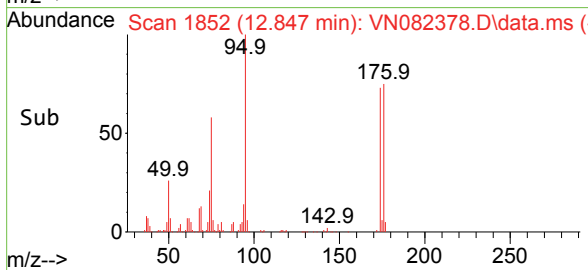
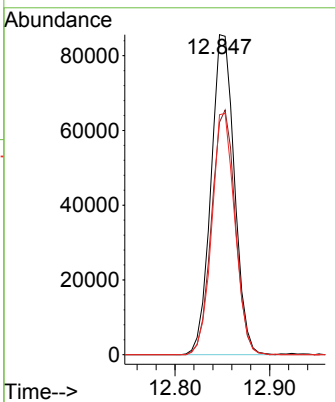
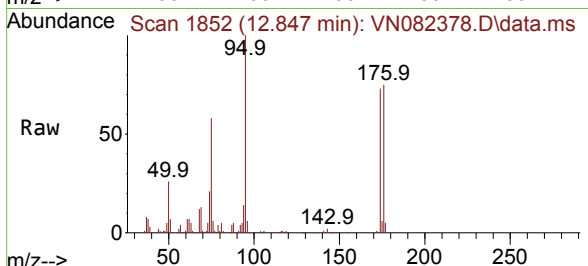




#62
 4-Bromofluorobenzene
 Concen: 53.590 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.000 min
 Lab File: VN082378.D
 Acq: 29 May 2024 18:17

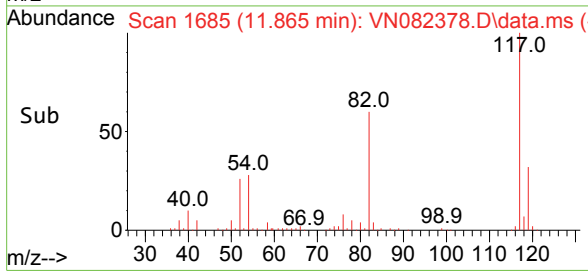
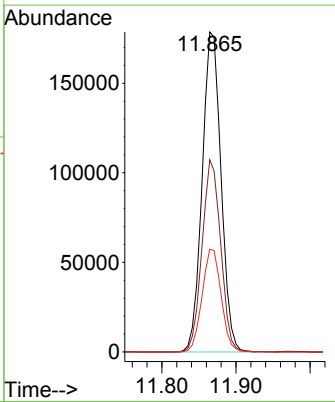
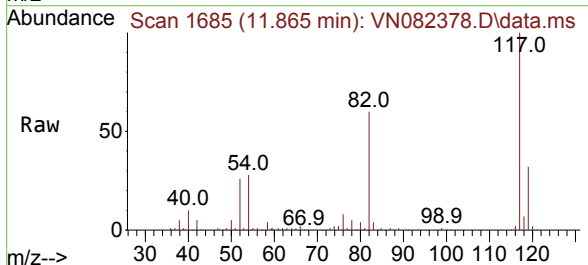
Instrument :
 MSVOA_N
 ClientSampleId :

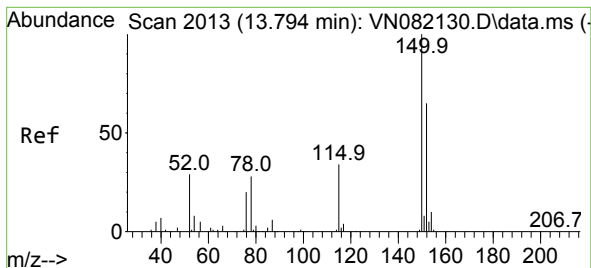
Tgt Ion:	95	Resp:	147054
Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	160.6
176	74.3	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. -0.000 min
 Lab File: VN082378.D
 Acq: 29 May 2024 18:17

Tgt Ion:	117	Resp:	316277
Ion	Ratio	Lower	Upper
117	100		
82	60.0	44.6	66.8
119	32.1	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

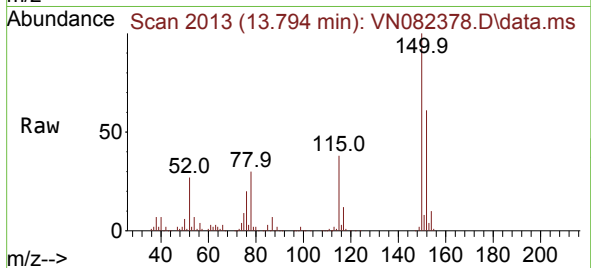
Lab File: VN082378.D

Acq: 29 May 2024 18:17

Instrument :

MSVOA_N

ClientSampleId :



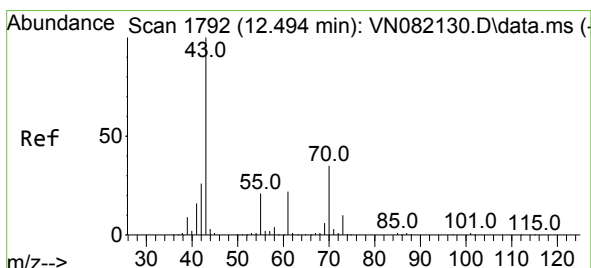
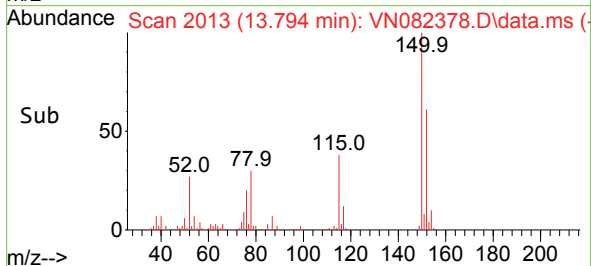
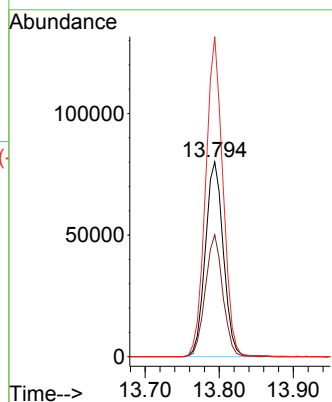
Tgt Ion:152 Resp: 135317

Ion Ratio Lower Upper

152 100

115 60.6 30.4 91.3

150 157.9 0.0 353.2



#74

N-ethyl acetate

Concen: 0.312 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Tgt Ion: 43 Resp: 1842

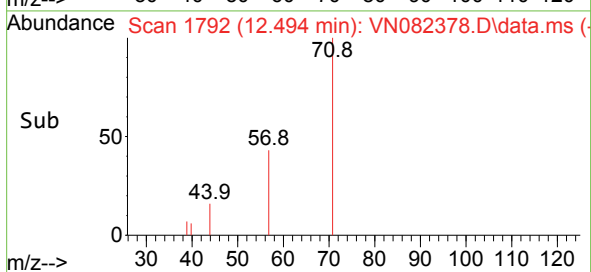
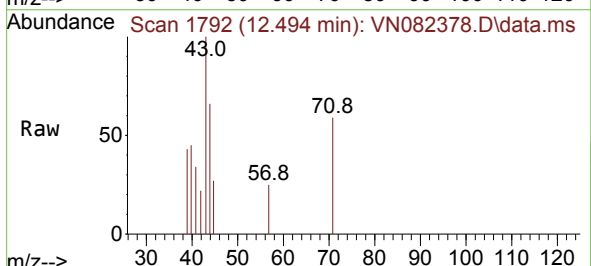
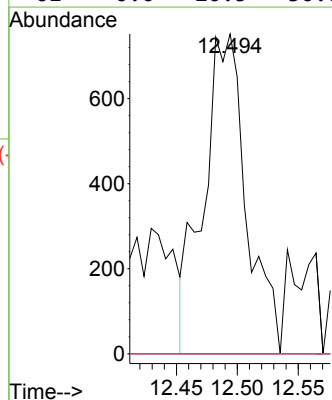
Ion Ratio Lower Upper

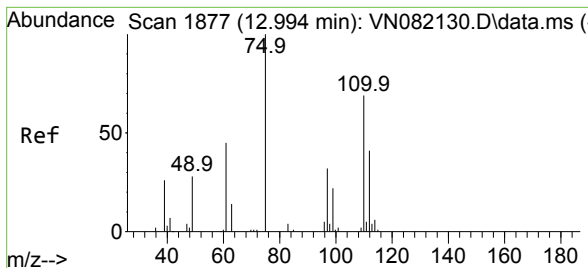
43 100

70 0.0 39.0 58.4#

55 0.0 21.3 31.9#

61 0.0 20.5 30.7#





#76

1,2,3-Trichloropropane

Concen: 30.308 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Instrument :

MSVOA_N

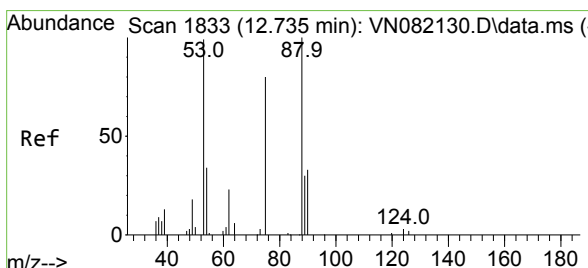
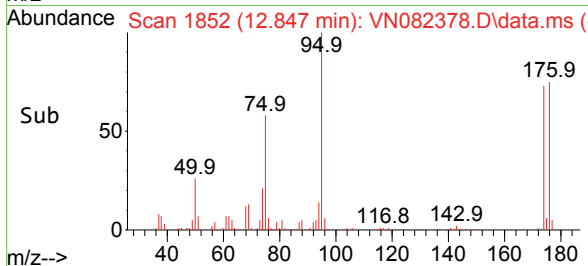
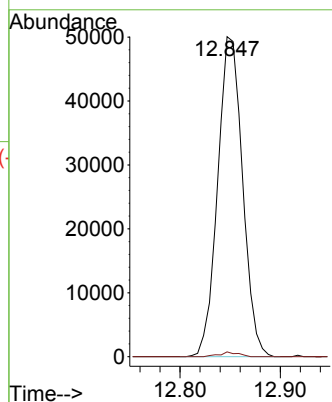
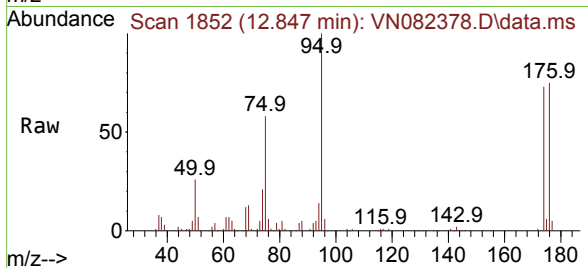
ClientSampleId :

Tgt Ion: 75 Resp: 86319

Ion Ratio Lower Upper

75 100

77 1.1 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.888 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082378.D

Acq: 29 May 2024 18:17

Tgt Ion: 75 Resp: 86319

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

