

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052924\
 Data File : VN082380.D
 Acq On : 29 May 2024 19:06
 Operator : JC\MD
 Sample : P2612-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 05:48:04 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

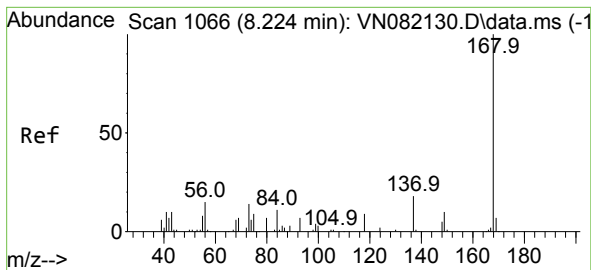
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	178965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	324567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	315985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	145416	51.458	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.920%			
35) Dibromofluoromethane	8.171	113	105239	52.709	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.420%			
50) Toluene-d8	10.571	98	421946	55.122	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.240%			
62) 4-Bromofluorobenzene	12.853	95	150503	55.086	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 110.180%			
Target Compounds					Qvalue	
16) Acetone	4.436	43	82682	71.325	ug/l	90
18) Methyl Acetate	5.042	43	3440	1.192	ug/l #	64
20) Methylene Chloride	5.283	84	12250	5.238	ug/l #	74
25) 2-Butanone	7.489	43	13015	7.405	ug/l #	85
29) Tetrahydrofuran	7.853	42	544	0.482	ug/l #	37
31) Cyclohexane	8.224	56	5164	1.144	ug/l #	46
36) 1,1-Dichloropropene	8.224	75	16835	5.027	ug/l #	47
37) Ethyl Acetate	7.559	43	4674	1.247	ug/l #	72
38) Carbon Tetrachloride	8.224	117	19469	5.735	ug/l #	19
40) Benzene	8.606	78	24230	2.427	ug/l	98
42) 1,2-Dichloroethane	8.683	62	882	0.230	ug/l #	73
43) Isopropyl Acetate	8.688	43	265696	40.013	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	1674	0.650	ug/l #	45
48) Methyl methacrylate	9.671	41	5176	1.636	ug/l #	39
51) 4-Methyl-2-Pentanone	10.447	43	20874	5.533	ug/l #	69
52) Toluene	10.630	92	10497	1.752	ug/l	92
53) t-1,3-Dichloropropene	10.724	75	925	0.250	ug/l #	53
54) cis-1,3-Dichloropropene	10.359	75	57915	14.815	ug/l #	76
56) Ethyl methacrylate	10.988	69	1376	0.372	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6695	1.644	ug/l #	42
59) 2-Hexanone	11.171	43	160614	58.142	ug/l #	23
68) m/p-Xylenes	12.065	106	1909	0.417	ug/l	88
71) Bromoform	12.582	173	67	0.737	ug/l #	28
74) N-amyl acetate	12.482	43	1926	0.322	ug/l #	40
76) 1,2,3-Trichloropropane	12.847	75	88418	30.706	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	88418	71.820	ug/l #	12

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

Quant Time: May 30 05:48:04 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: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN082380.D

Acq: 29 May 2024 19:06

Instrument :

MSVOA_N

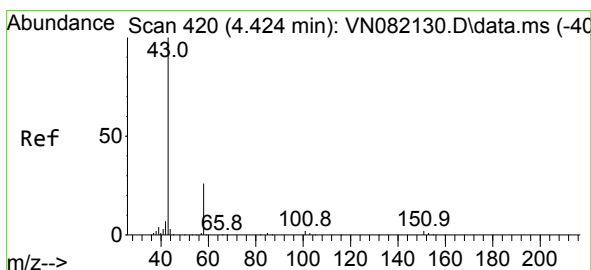
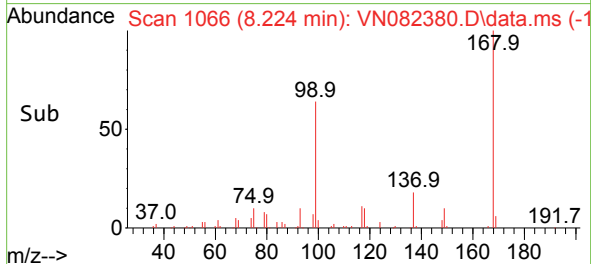
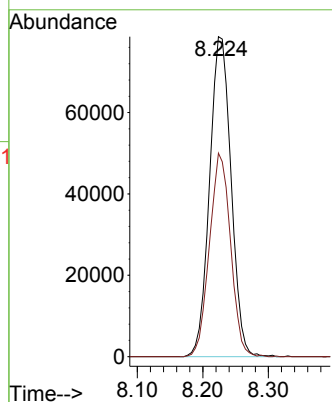
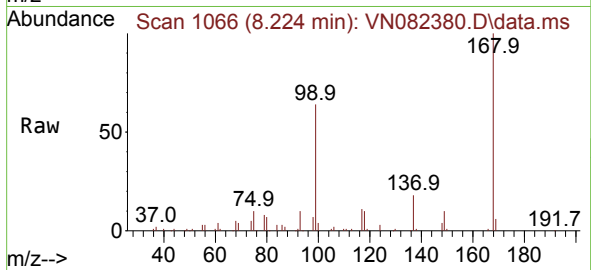
ClientSampleId :

Tgt Ion:168 Resp: 178965

Ion Ratio Lower Upper

168 100

99 63.6 48.2 72.4



#16

Acetone

Concen: 71.325 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN082380.D

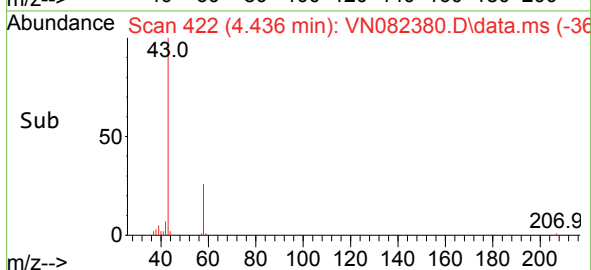
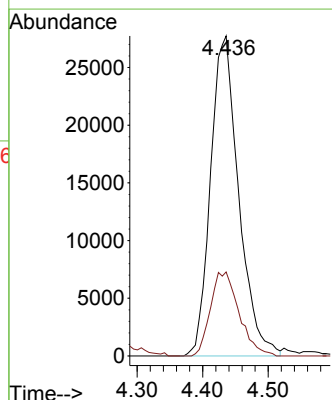
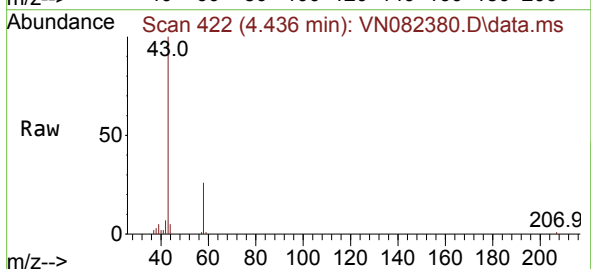
Acq: 29 May 2024 19:06

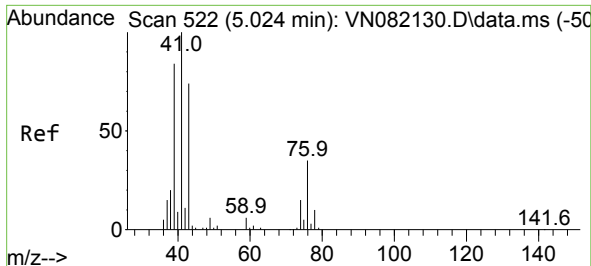
Tgt Ion: 43 Resp: 82682

Ion Ratio Lower Upper

43 100

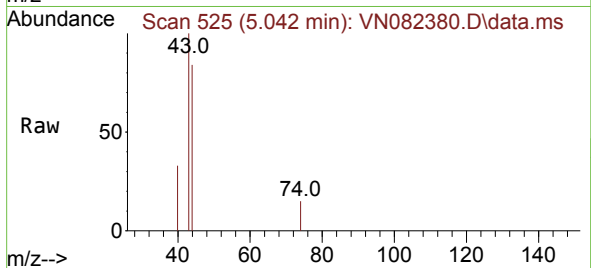
58 26.2 25.2 37.8



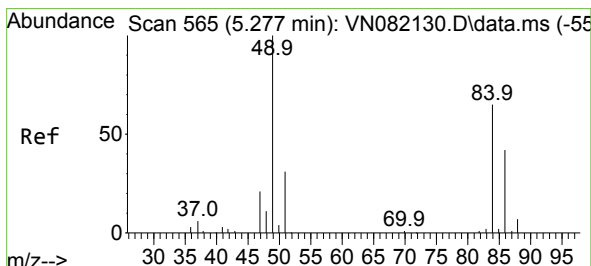
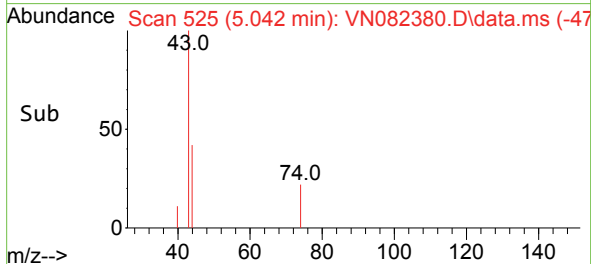
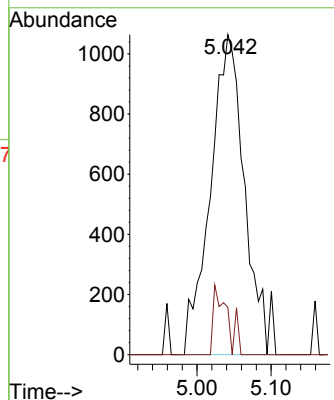


#18
Methyl Acetate
Concen: 1.192 ug/l
RT: 5.042 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

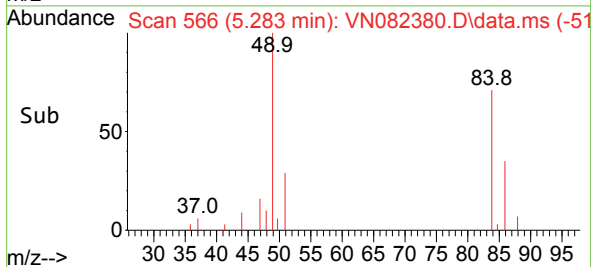
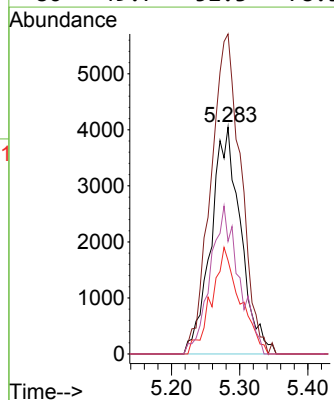
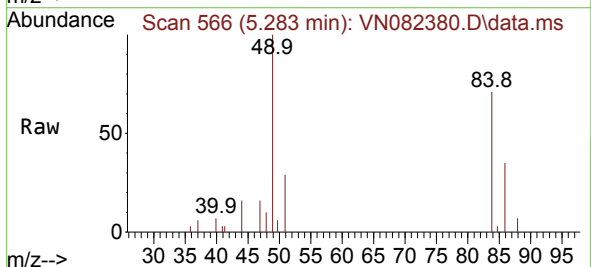


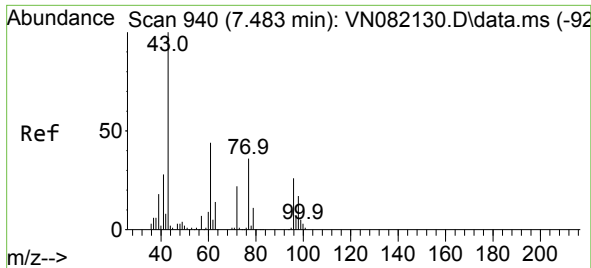
Tgt Ion: 43 Resp: 3440
Ion Ratio Lower Upper
43 100
74 9.0 22.2 33.2#



#20
Methylene Chloride
Concen: 5.238 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Tgt Ion: 84 Resp: 12250
Ion Ratio Lower Upper
84 100
49 141.0 84.9 127.3#
51 41.2 27.0 40.6#
86 49.7 52.3 78.5#

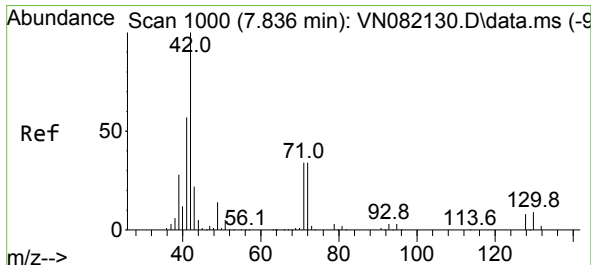
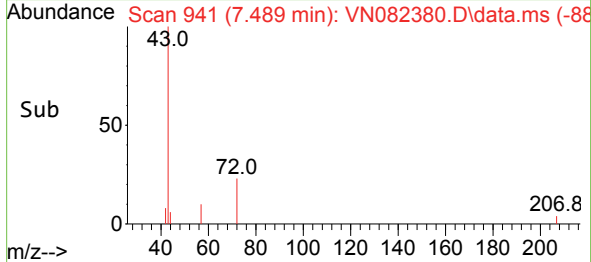
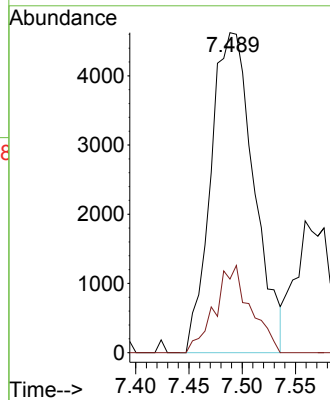
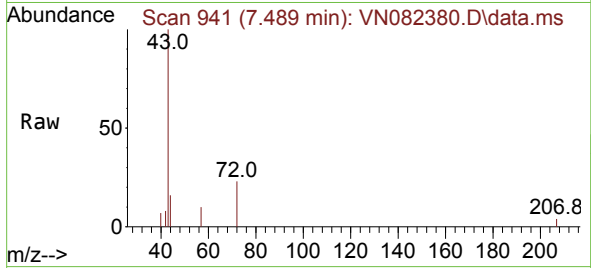




#25
2-Butanone
Concen: 7.405 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

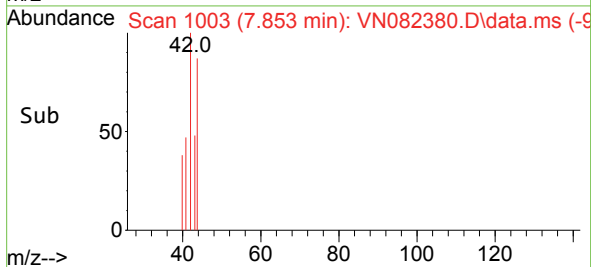
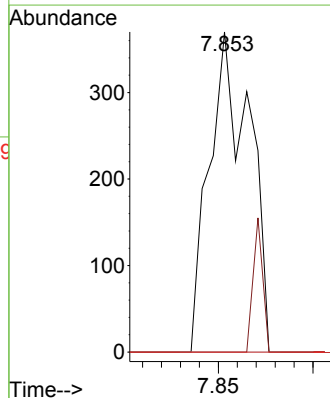
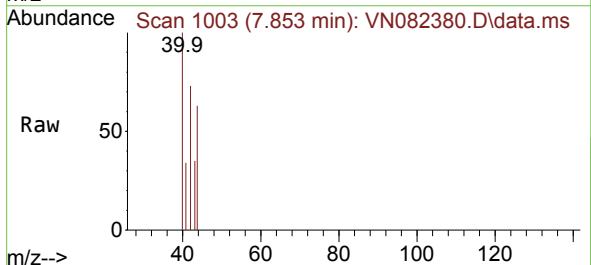
Instrument :
MSVOA_N
ClientSampleId :

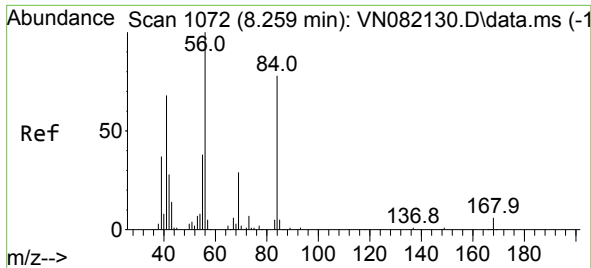
Tgt Ion: 43 Resp: 13015
Ion Ratio Lower Upper
43 100
72 23.0 25.3 37.9#



#29
Tetrahydrofuran
Concen: 0.482 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.017 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

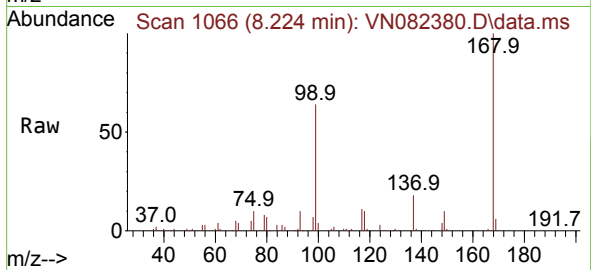
Tgt Ion: 42 Resp: 544
Ion Ratio Lower Upper
42 100
72 10.1 39.3 58.9#
71 0.0 37.4 56.0#



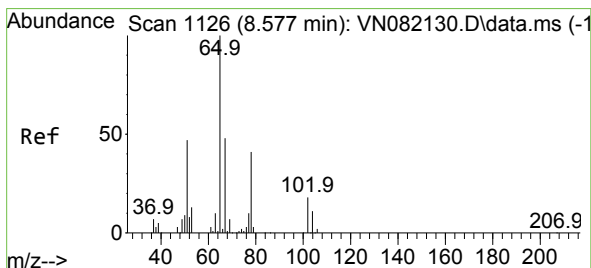
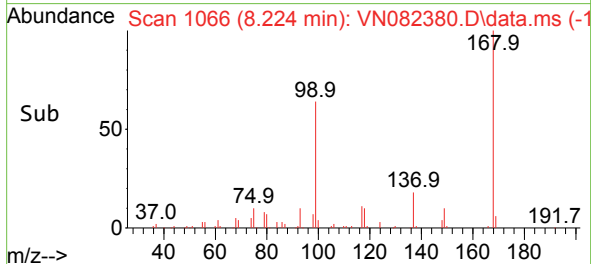
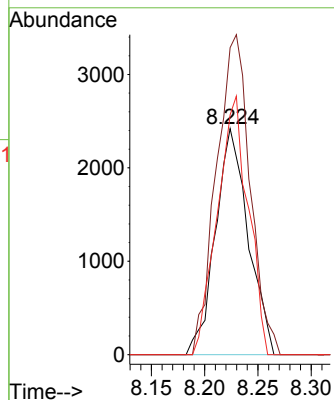


#31
Cyclohexane
Concen: 1.144 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

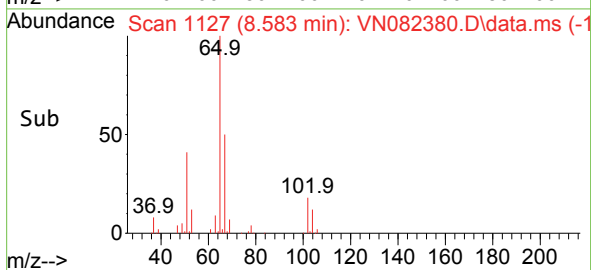
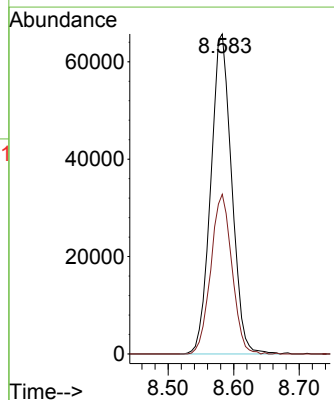
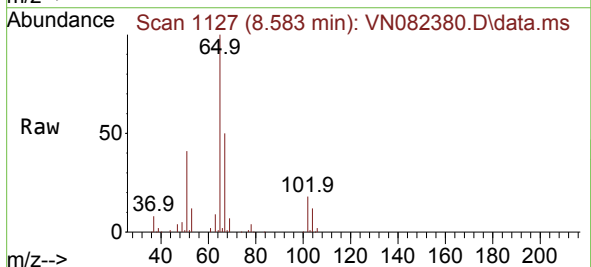


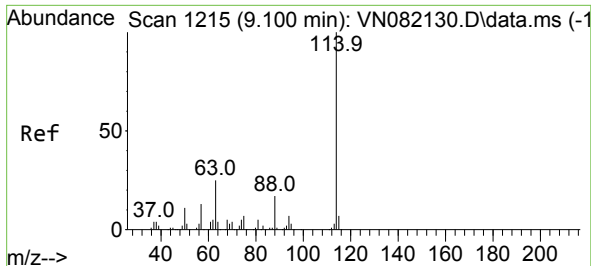
Tgt Ion: 56 Resp: 5164
Ion Ratio Lower Upper
56 100
69 135.8 24.4 36.6#
84 106.1 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 51.458 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Tgt Ion: 65 Resp: 145416
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: VN082380.D

Acq: 29 May 2024 19:06

Instrument :

MSVOA_N

ClientSampleId :

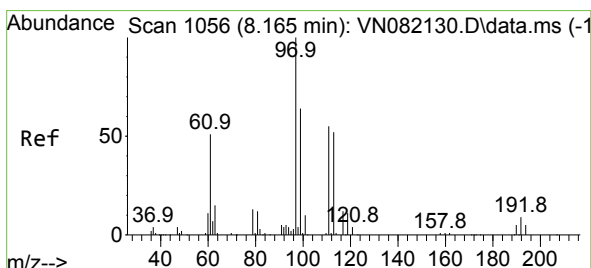
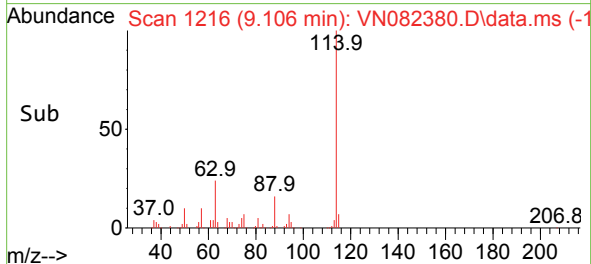
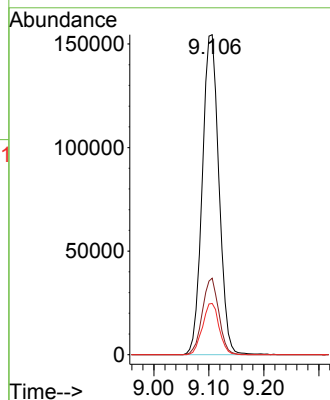
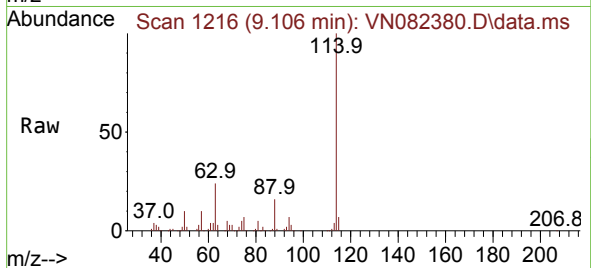
Tgt Ion:114 Resp: 324567

Ion Ratio Lower Upper

114 100

63 23.9 0.0 41.0

88 16.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 52.709 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082380.D

Acq: 29 May 2024 19:06

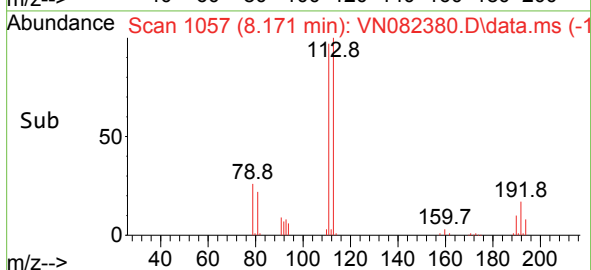
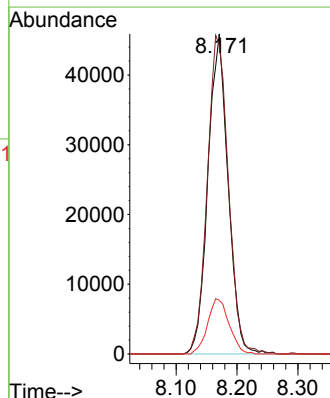
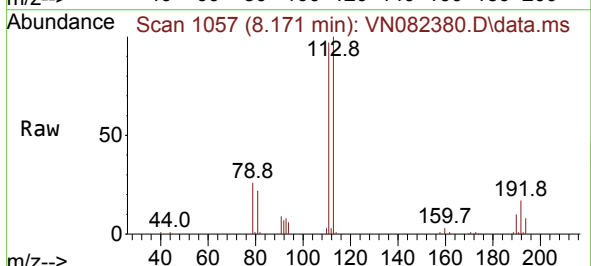
Tgt Ion:113 Resp: 105239

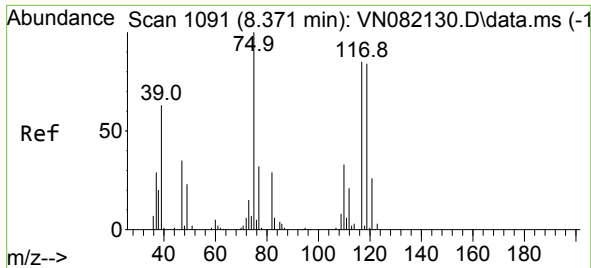
Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.2

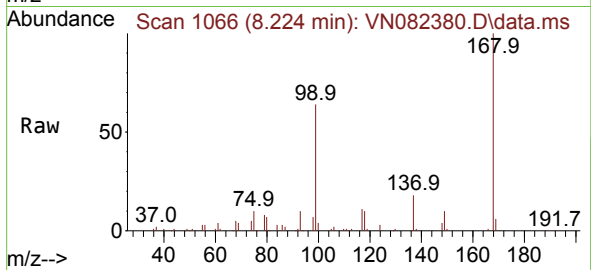
192 18.5 14.0 21.0



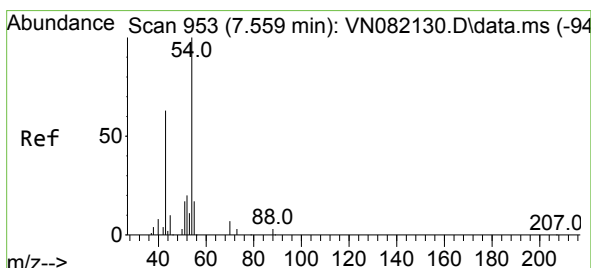
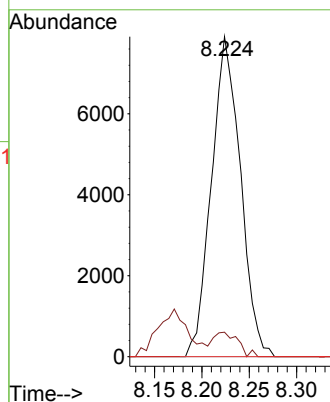
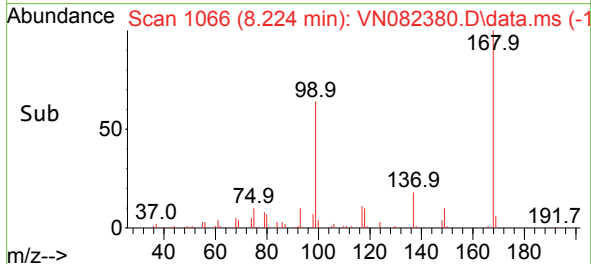


#36
1,1-Dichloropropene
Concen: 5.027 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

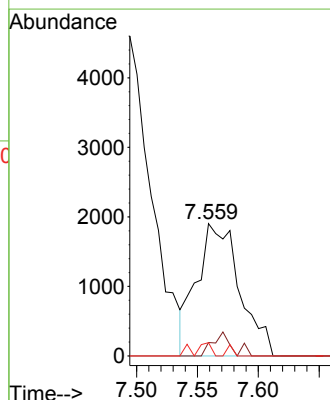
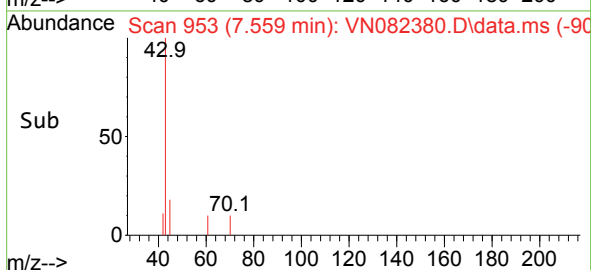
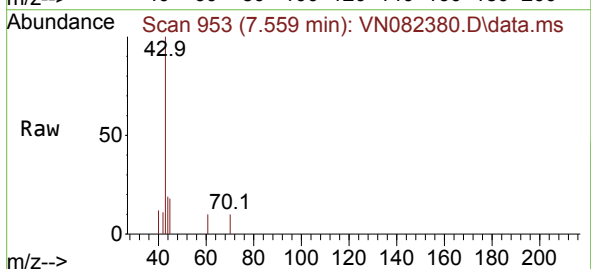


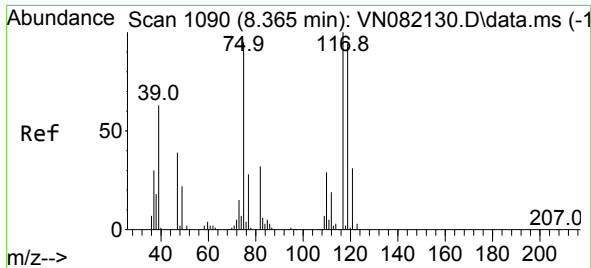
Tgt Ion: 75 Resp: 16835
Ion Ratio Lower Upper
75 100
110 6.5 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.247 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

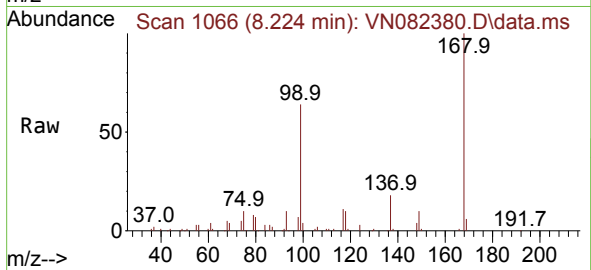
Tgt Ion: 43 Resp: 4674
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 3.9 8.7 13.1#



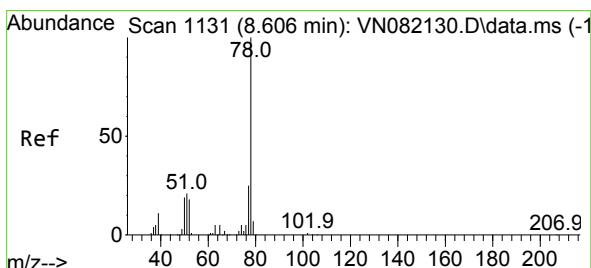
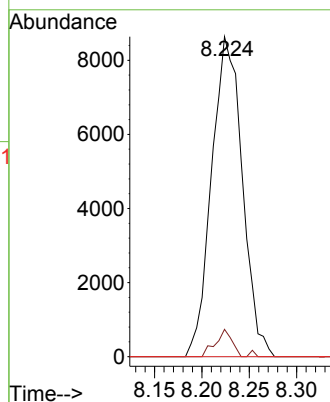
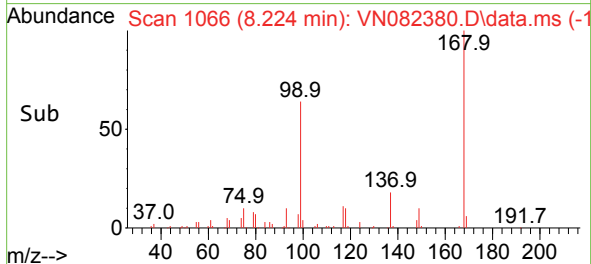


#38
Carbon Tetrachloride
Concen: 5.735 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

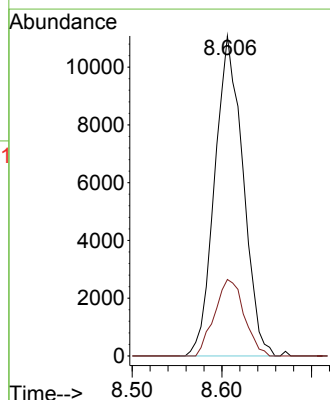
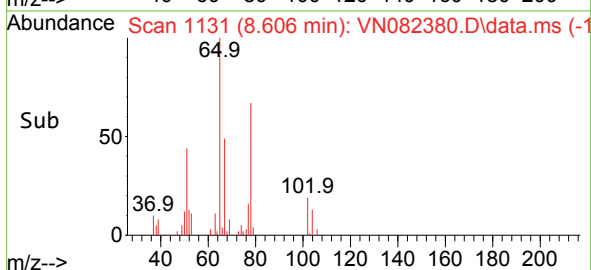
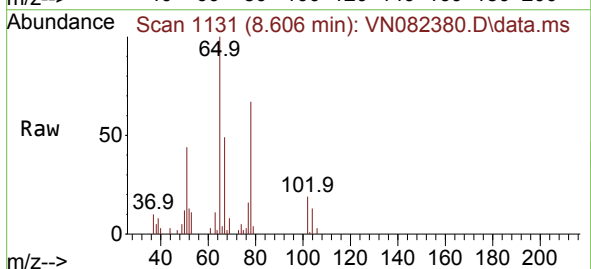


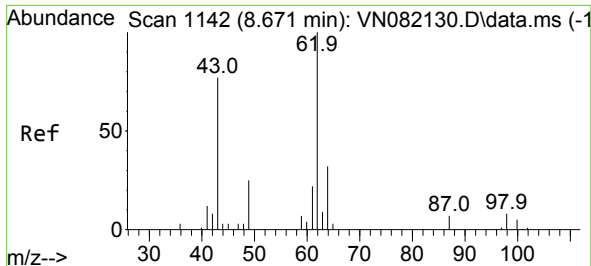
Tgt Ion:117 Resp: 19469
Ion Ratio Lower Upper
117 100
119 8.5 76.5 114.7#
121 0.0 23.9 35.9#



#40
Benzene
Concen: 2.427 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Tgt Ion: 78 Resp: 24230
Ion Ratio Lower Upper
78 100
77 23.9 20.0 30.0





#42

1,2-Dichloroethane

Concen: 0.230 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN082380.D

Acq: 29 May 2024 19:06

Instrument :

MSVOA_N

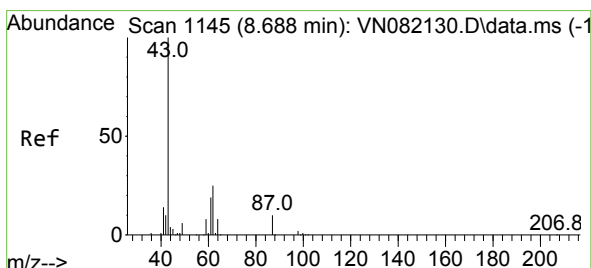
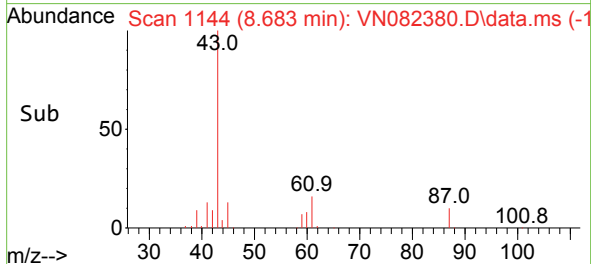
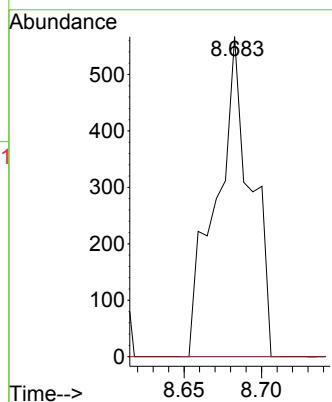
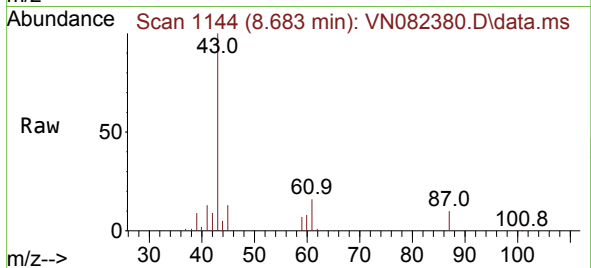
ClientSampleId :

Tgt Ion: 62 Resp: 882

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 40.013 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082380.D

Acq: 29 May 2024 19:06

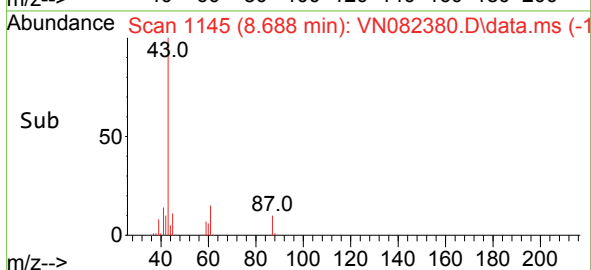
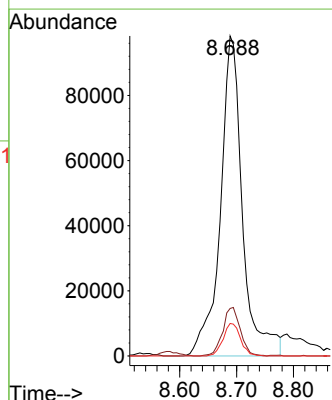
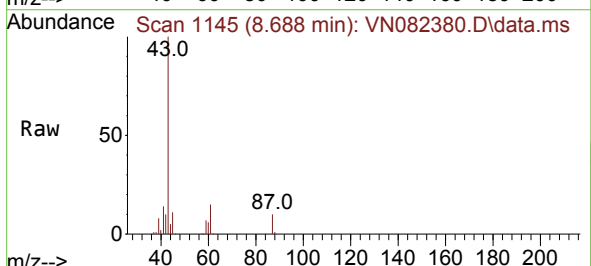
Tgt Ion: 43 Resp: 265696

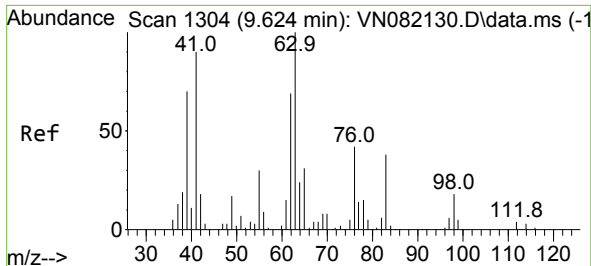
Ion Ratio Lower Upper

43 100

61 12.1 22.8 34.2#

87 8.0 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.650 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN082380.D

Acq: 29 May 2024 19:06

Instrument :

MSVOA_N

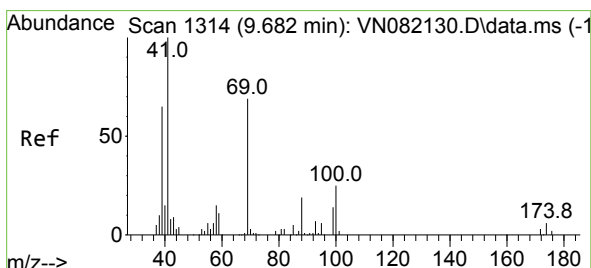
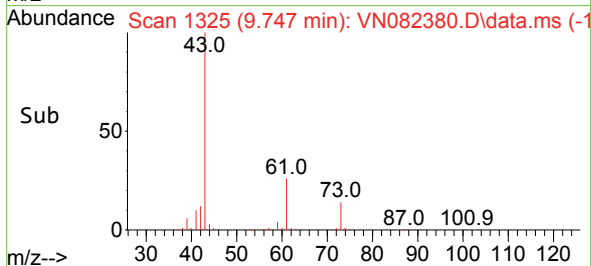
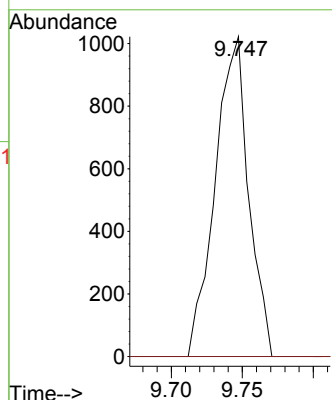
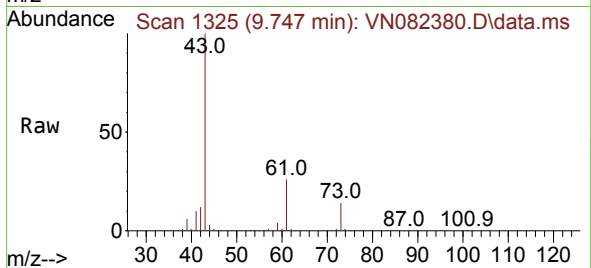
ClientSampleId :

Tgt Ion: 63 Resp: 1674

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 1.636 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082380.D

Acq: 29 May 2024 19:06

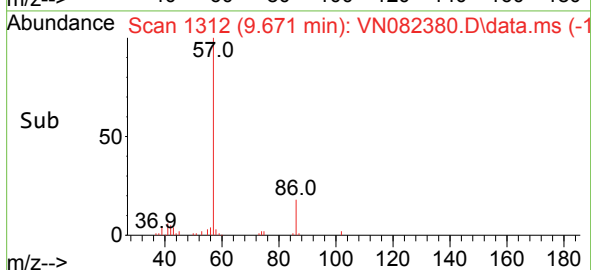
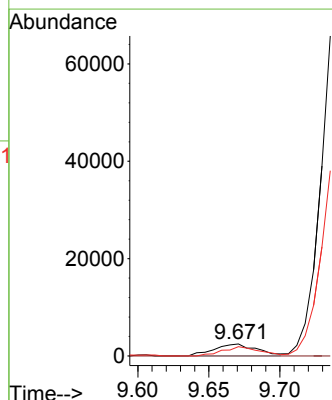
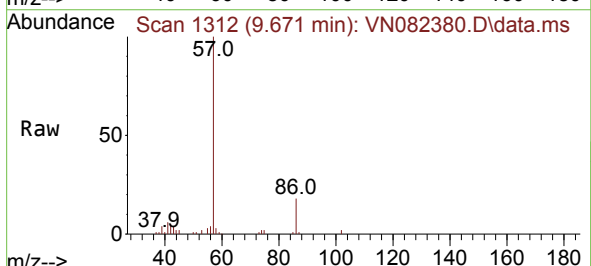
Tgt Ion: 41 Resp: 5176

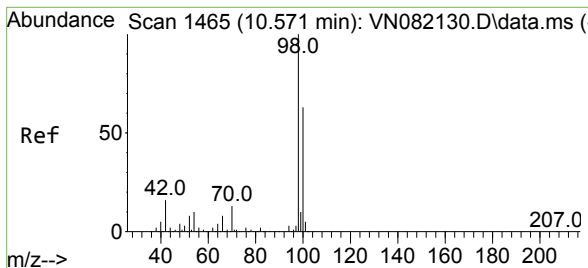
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 66.3 50.9 76.3

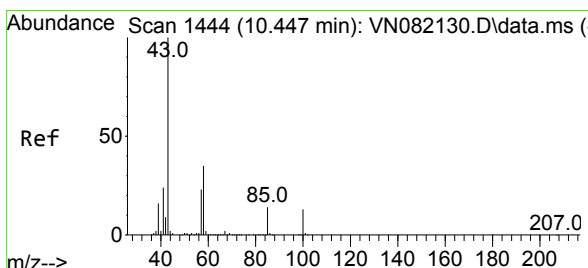
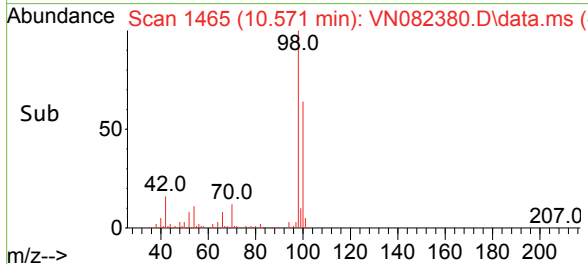
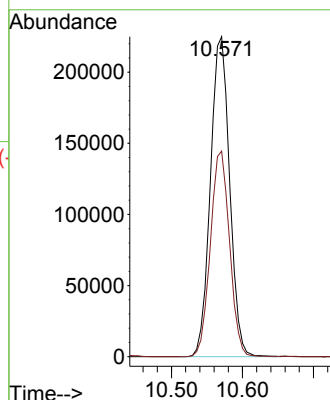
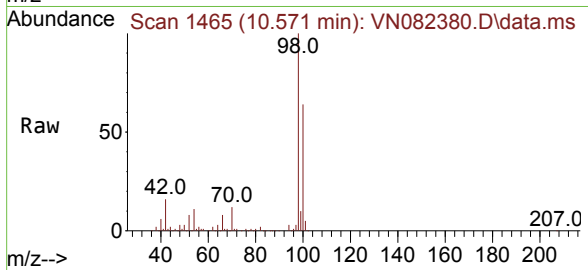




#50
Toluene-d8
Concen: 55.122 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

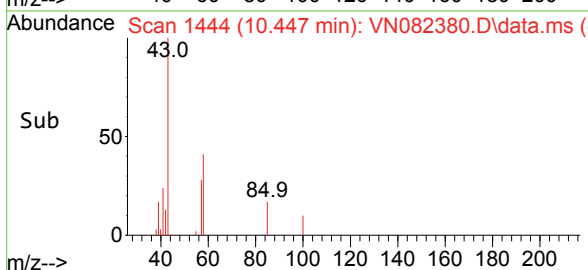
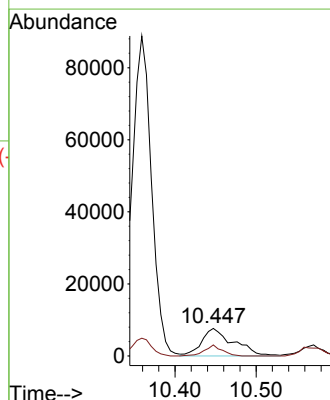
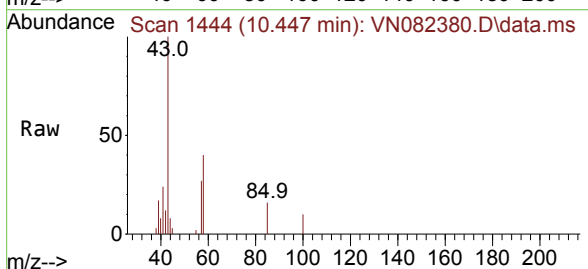
Instrument :
MSVOA_N
ClientSampleId :

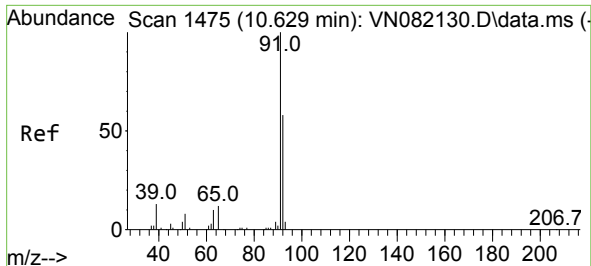
Tgt Ion: 98 Resp: 421946
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 5.533 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Tgt Ion: 43 Resp: 20874
Ion Ratio Lower Upper
43 100
58 21.9 33.2 49.8#

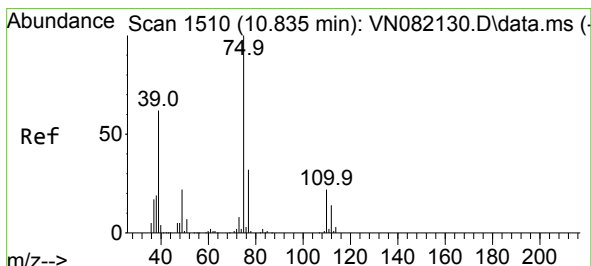
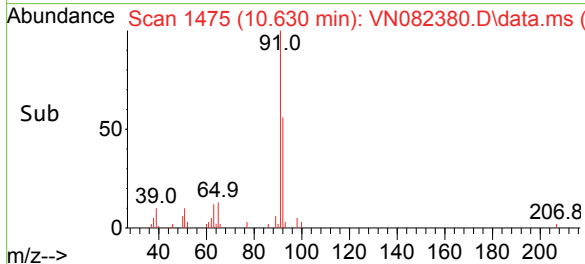
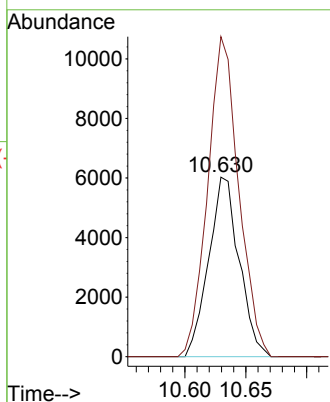
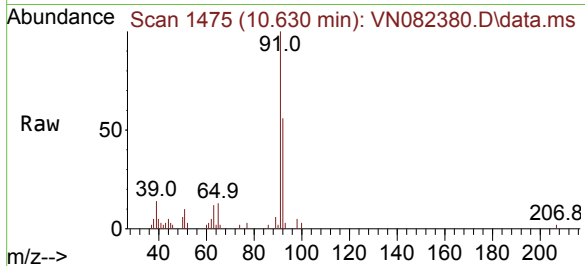




#52
Toluene
Concen: 1.752 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

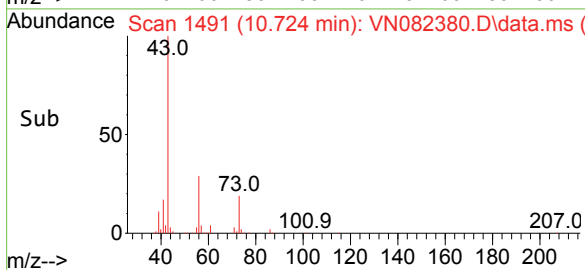
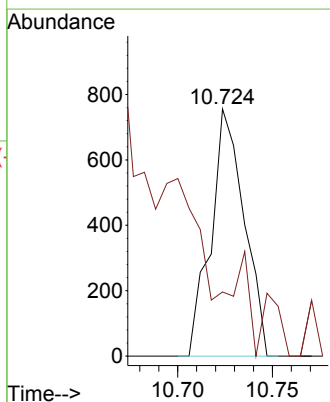
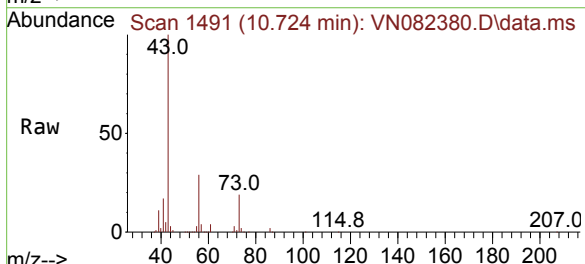
Instrument :
MSVOA_N
ClientSampleId :

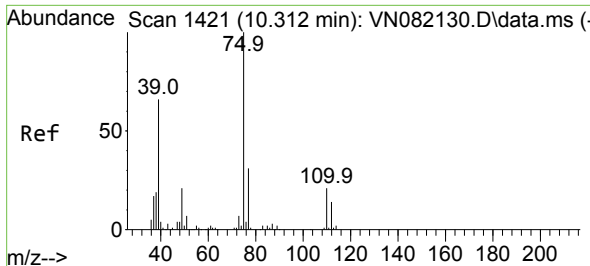
Tgt Ion: 92 Resp: 10497
Ion Ratio Lower Upper
92 100
91 181.5 136.7 205.1



#53
t-1,3-Dichloropropene
Concen: 0.250 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Tgt Ion: 75 Resp: 925
Ion Ratio Lower Upper
75 100
77 5.8 25.4 38.0#

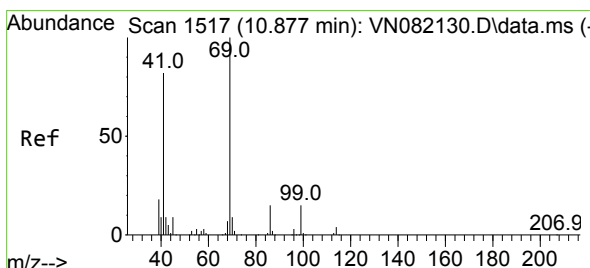
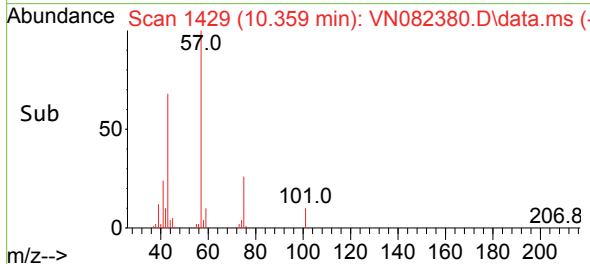
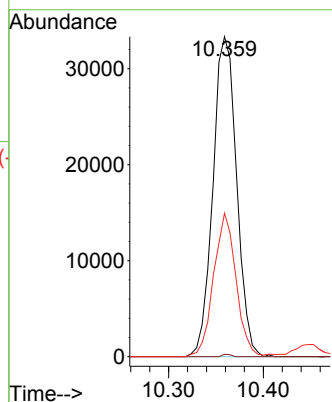
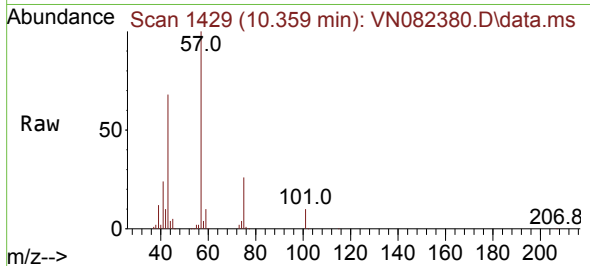




#54
 cis-1,3-Dichloropropene
 Concen: 14.815 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082380.D
 Acq: 29 May 2024 19:06

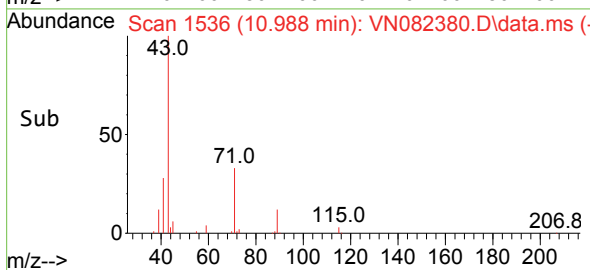
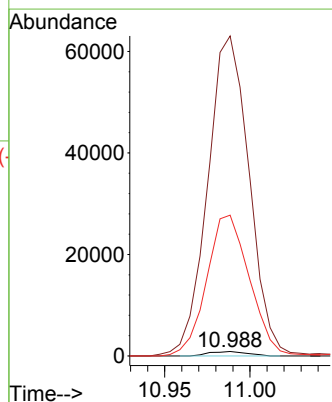
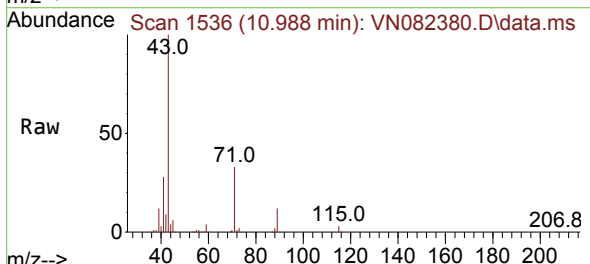
Instrument :
 MSVOA_N
 ClientSampleId :

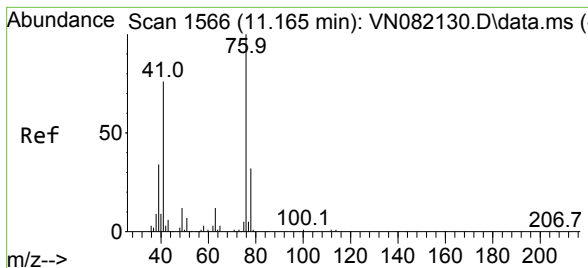
Tgt Ion: 75 Resp: 57915
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 44.8 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.372 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.112 min
 Lab File: VN082380.D
 Acq: 29 May 2024 19:06

Tgt Ion: 69 Resp: 1376
 Ion Ratio Lower Upper
 69 100
 41 7794.6 46.6 70.0#
 39 3535.0 26.5 39.7#

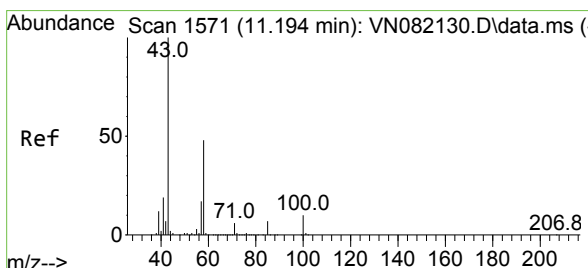
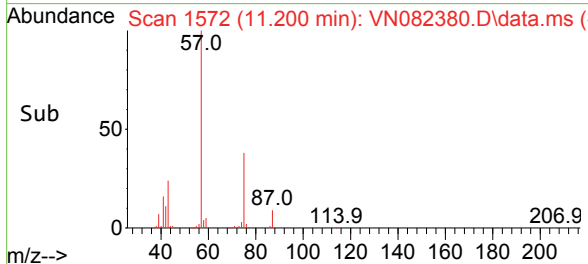
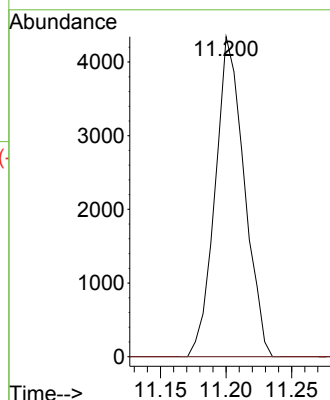
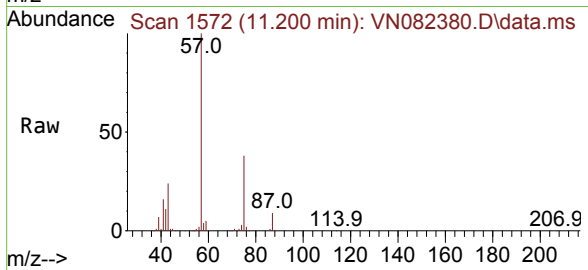




#57
1,3-Dichloropropane
Concen: 1.644 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

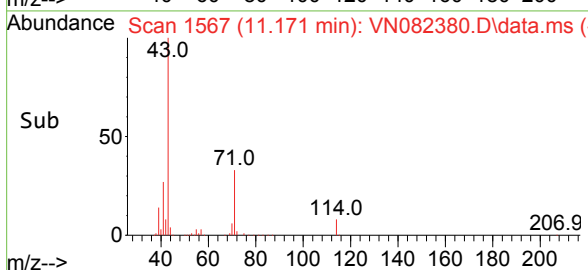
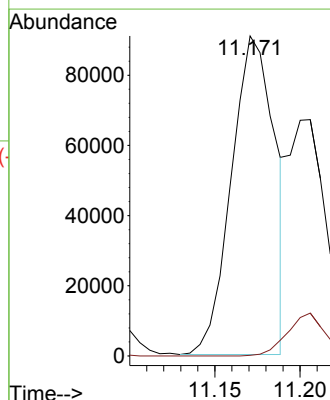
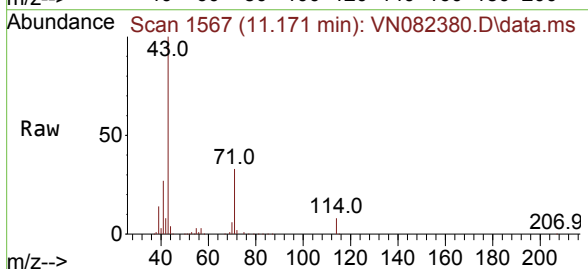
Instrument :
MSVOA_N
ClientSampleId :

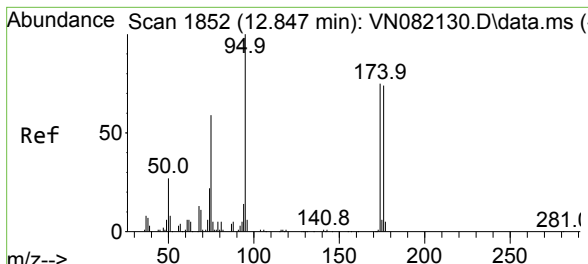
Tgt Ion: 76 Resp: 6695
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 58.142 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Tgt Ion: 43 Resp: 160614
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#

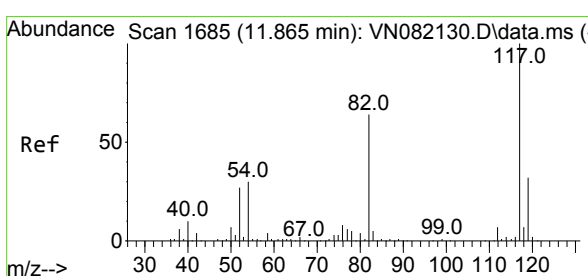
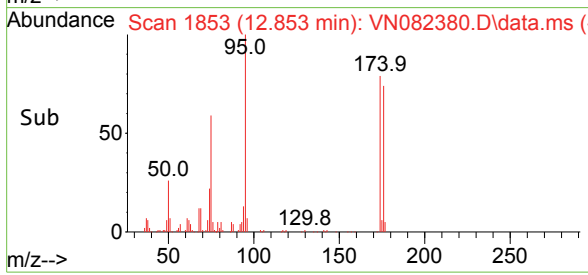
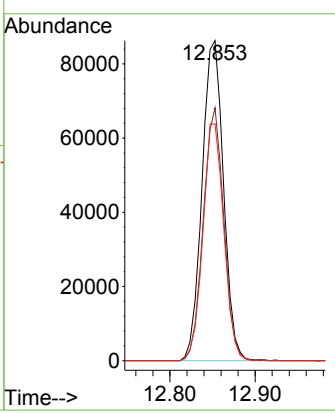
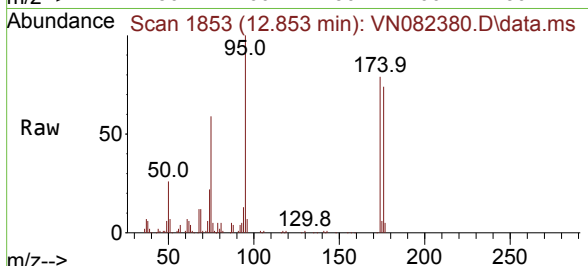




#62
 4-Bromofluorobenzene
 Concen: 55.086 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.006 min
 Lab File: VN082380.D
 Acq: 29 May 2024 19:06

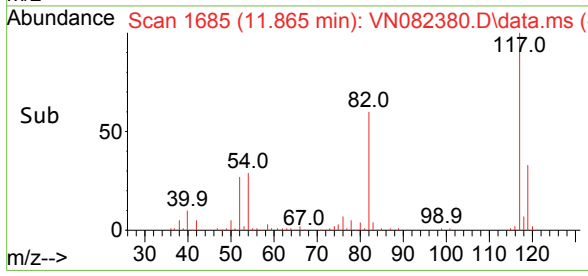
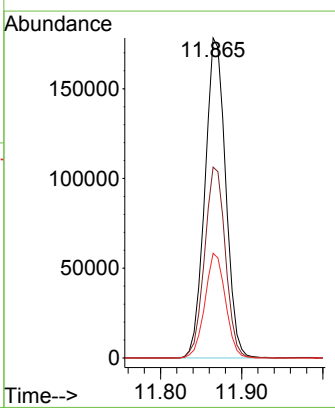
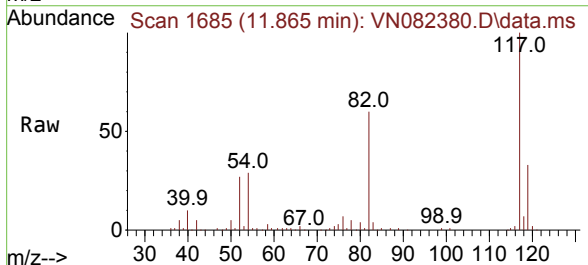
Instrument :
 MSVOA_N
 ClientSampleId :

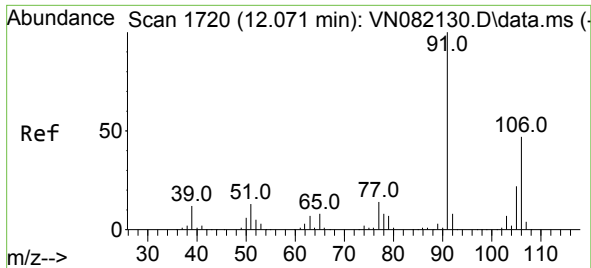
Tgt Ion:	95	Resp:	150503
Ion Ratio	Lower	Upper	
95	100		
174	75.6	0.0	160.6
176	72.4	0.0	152.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN082380.D
 Acq: 29 May 2024 19:06

Tgt Ion:	117	Resp:	315985
Ion Ratio	Lower	Upper	
117	100		
82	59.7	44.6	66.8
119	32.7	25.9	38.9

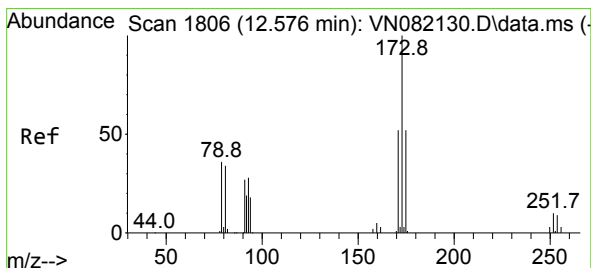
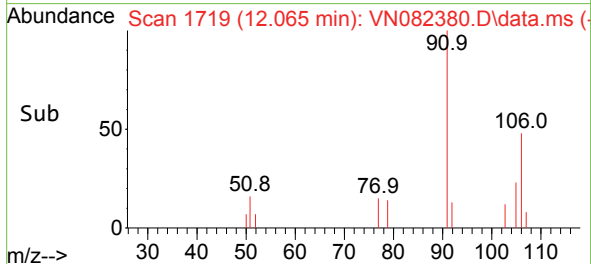
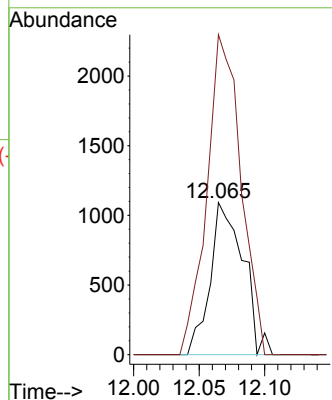
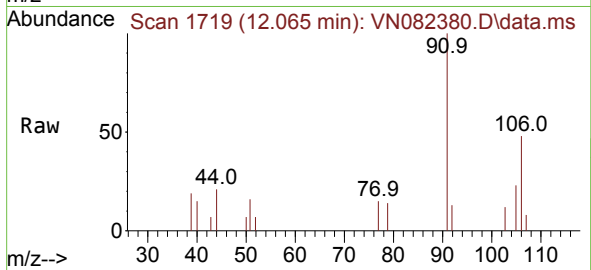




#68
m/p-Xylenes
Concen: 0.417 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

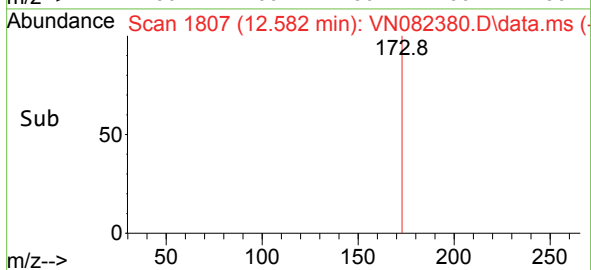
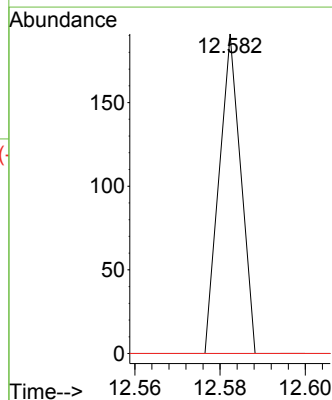
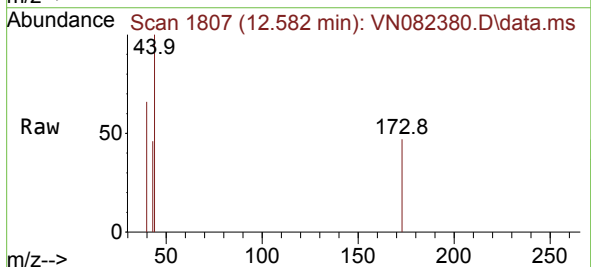
Instrument :
MSVOA_N
ClientSampleId :

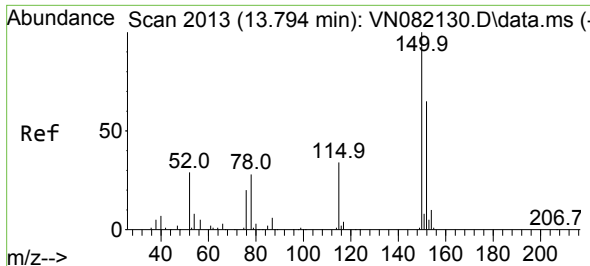
Tgt Ion:106 Resp: 1909
Ion Ratio Lower Upper
106 100
91 217.8 159.4 239.0



#71
Bromoform
Concen: 0.737 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

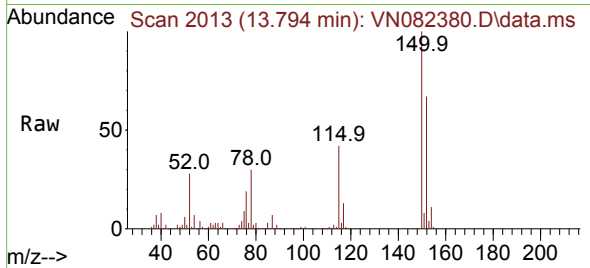
Tgt Ion:173 Resp: 67
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



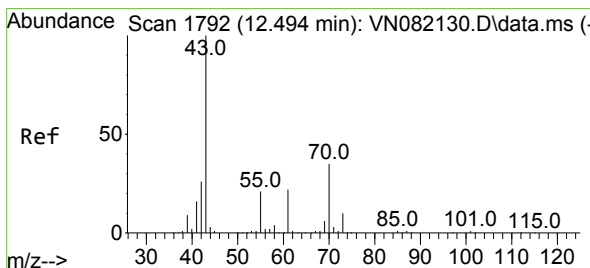
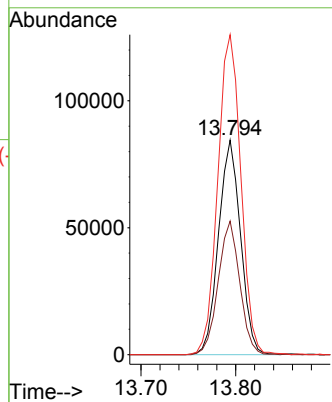
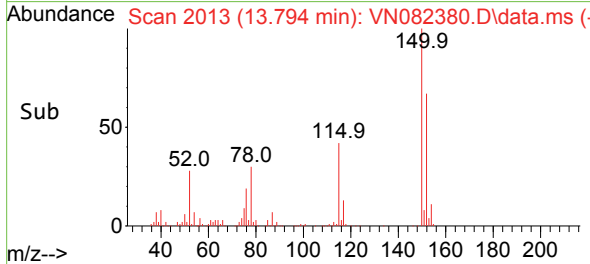


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Instrument :
MSVOA_N
ClientSampleId :

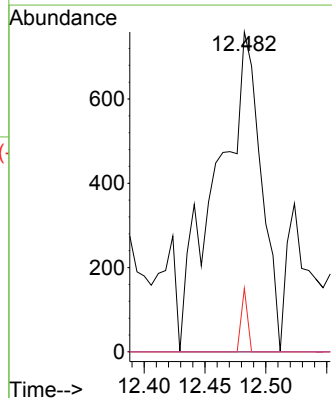
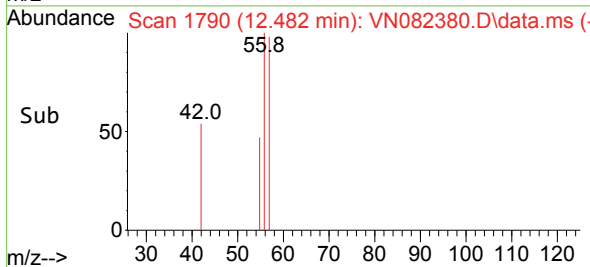
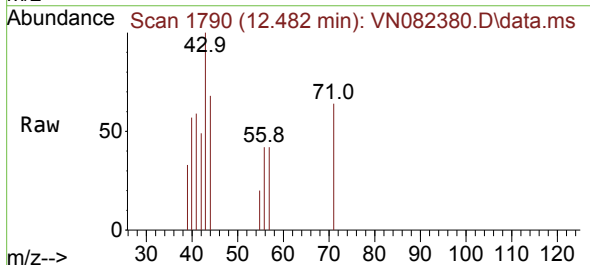


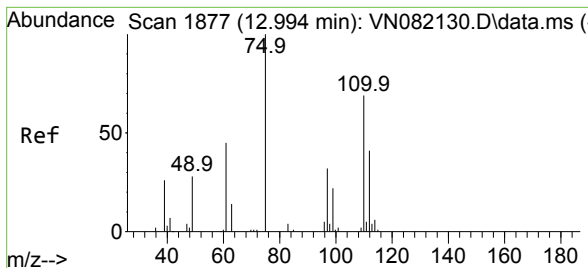
Tgt Ion:152 Resp: 136810
Ion Ratio Lower Upper
152 100
115 61.0 30.4 91.3
150 156.0 0.0 353.2



#74
N-ethyl acetate
Concen: 0.322 ug/l
RT: 12.482 min Scan# 1790
Delta R.T. -0.012 min
Lab File: VN082380.D
Acq: 29 May 2024 19:06

Tgt Ion: 43 Resp: 1926
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: 30.706 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN082380.D

Acq: 29 May 2024 19:06

Instrument :

MSVOA_N

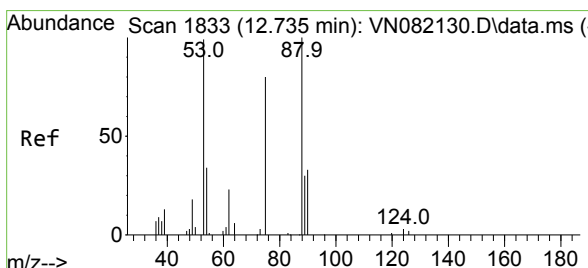
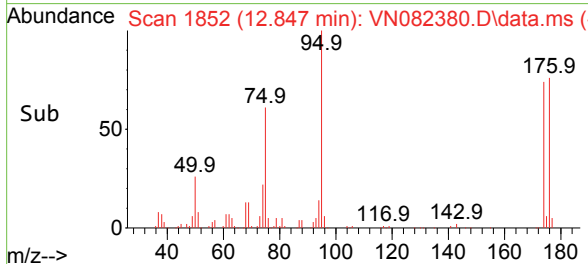
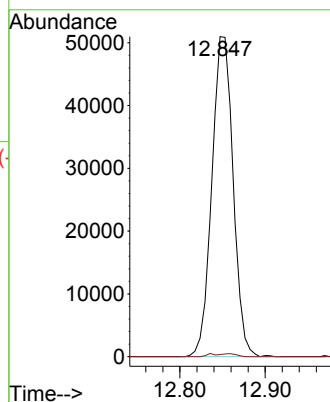
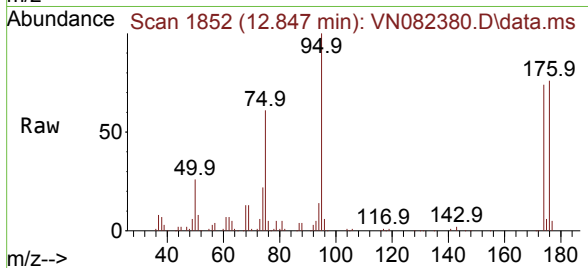
ClientSampleId :

Tgt Ion: 75 Resp: 88418

Ion Ratio Lower Upper

75 100

77 0.6 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.820 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN082380.D

Acq: 29 May 2024 19:06

Tgt Ion: 75 Resp: 88418

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

