

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052224\
 Data File : VN082306.D
 Acq On : 22 May 2024 20:42
 Operator : JC\MD
 Sample : PB161037ZHE#19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 23 01:58:33 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)

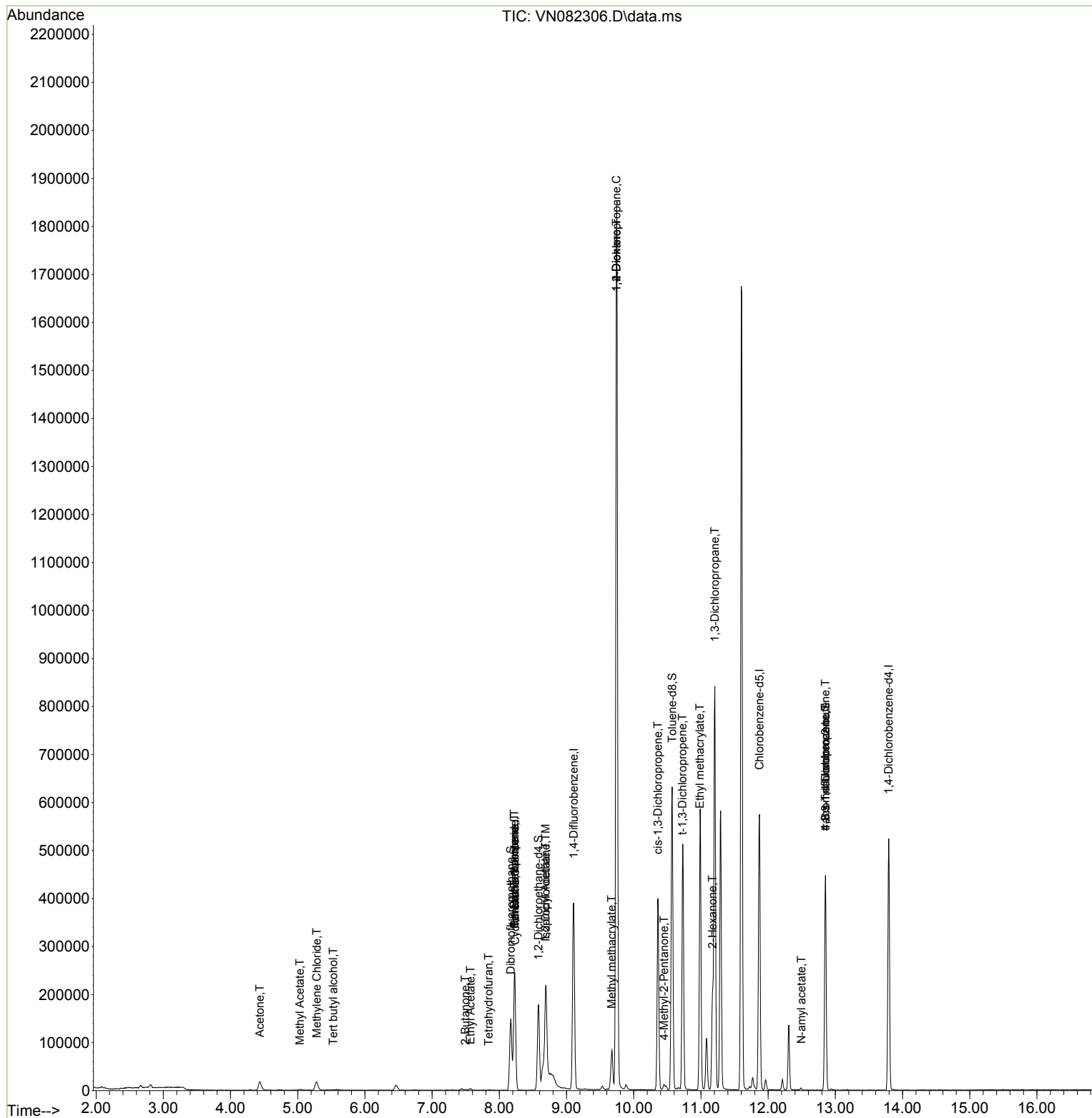
Internal Standards						
1) Pentafluorobenzene	8.230	168	168827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	311787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	304862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	131877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	146470	54.944	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.880%			
35) Dibromofluoromethane	8.171	113	101826	53.090	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.180%			
50) Toluene-d8	10.571	98	407396	55.403	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.800%			
62) 4-Bromofluorobenzene	12.853	95	142757	54.392	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 108.780%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	128	0.299	ug/l #	71
16) Acetone	4.436	43	35146	32.139	ug/l #	88
18) Methyl Acetate	5.030	43	4105	1.507	ug/l #	80
20) Methylene Chloride	5.283	84	11849	5.370	ug/l #	78
25) 2-Butanone	7.494	43	2702	1.630	ug/l	92
29) Tetrahydrofuran	7.841	42	410	0.385	ug/l #	51
31) Cyclohexane	8.236	56	5104	1.199	ug/l #	59
36) 1,1-Dichloropropene	8.224	75	15655	4.867	ug/l #	50
37) Ethyl Acetate	7.571	43	5631	1.564	ug/l #	88
38) Carbon Tetrachloride	8.224	117	18128	5.559	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1469	0.398	ug/l #	73
43) Isopropyl Acetate	8.688	43	318426	49.919	ug/l #	72
45) 1,2-Dichloropropane	9.741	63	2061	0.833	ug/l #	45
48) Methyl methacrylate	9.671	41	6240	2.053	ug/l #	37
49) 1,4-Dioxane	9.741	88	100	2.348	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	7115	1.963	ug/l	93
53) t-1,3-Dichloropropene	10.724	75	1111	0.313	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	60100	16.004	ug/l #	74
56) Ethyl methacrylate	10.982	69	1752	0.493	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7895	2.018	ug/l #	42
59) 2-Hexanone	11.171	43	171008	64.442	ug/l #	23
74) N-amyl acetate	12.494	43	2711	0.470	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	82955	29.886	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	82955	69.903	ug/l #	12

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

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Sample : PB161037ZHE#19
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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

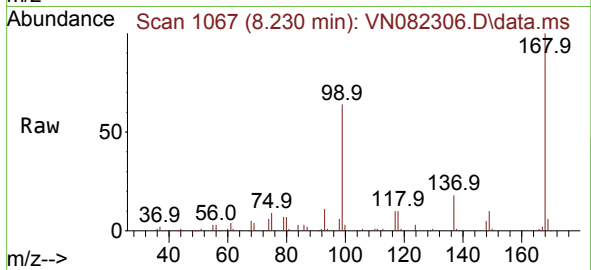
Quant Time: May 23 01:58:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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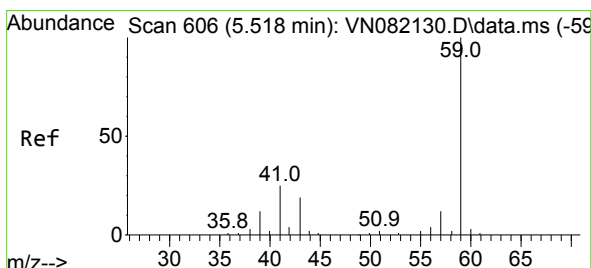
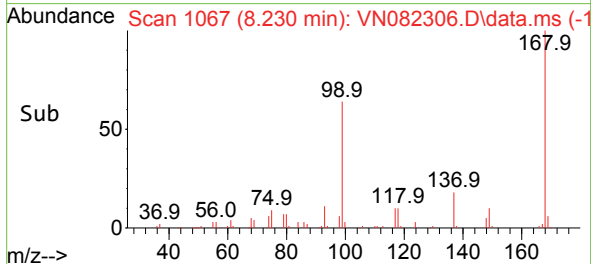
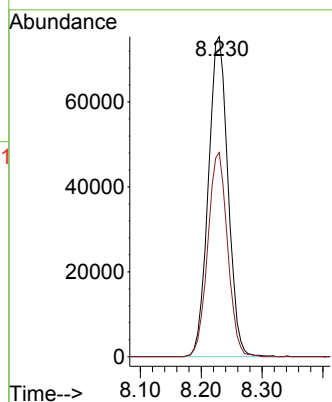


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Instrument :
MSVOA_N
ClientSampleId :

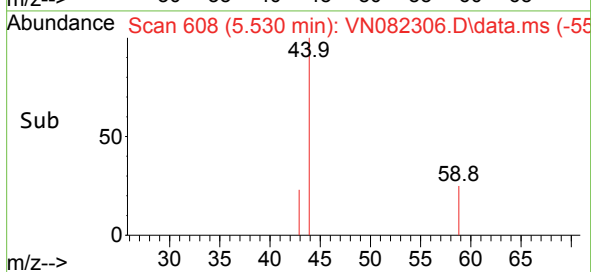
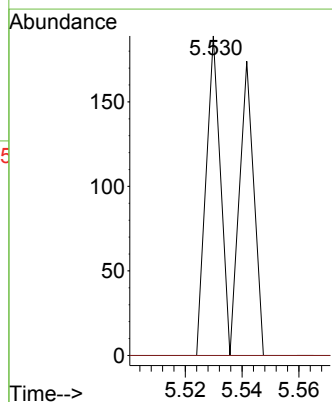
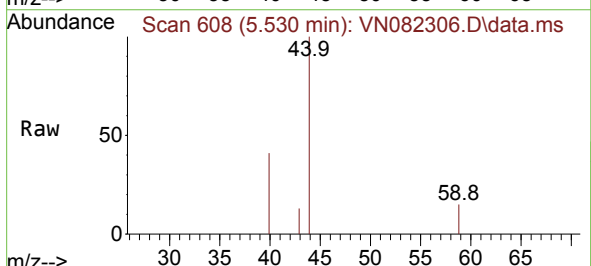


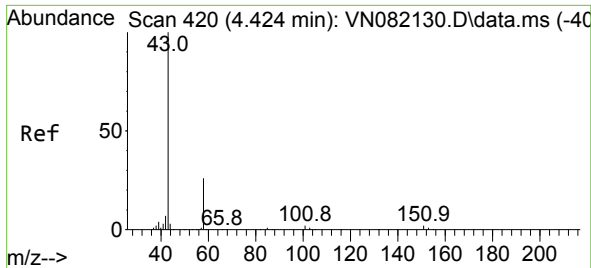
Tgt Ion:168 Resp: 168827
Ion Ratio Lower Upper
168 100
99 63.8 48.2 72.4



#11
Tert butyl alcohol
Concen: 0.299 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

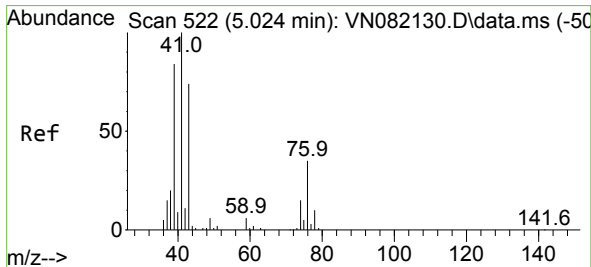
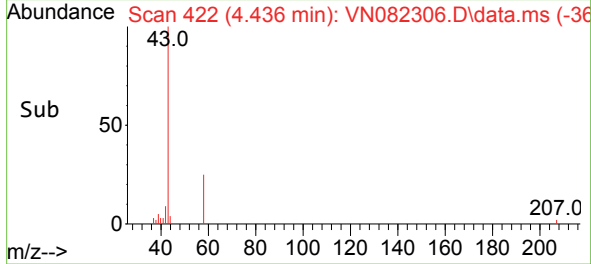
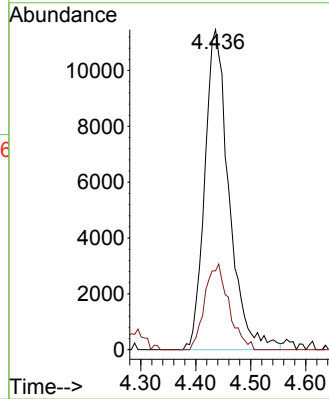
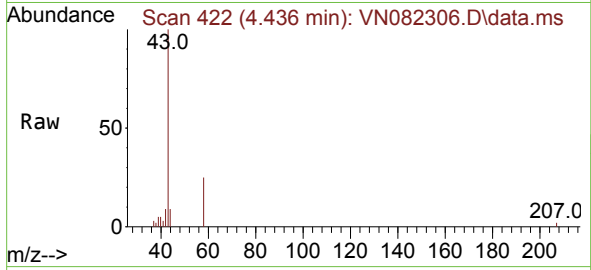




#16
Acetone
Concen: 32.139 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

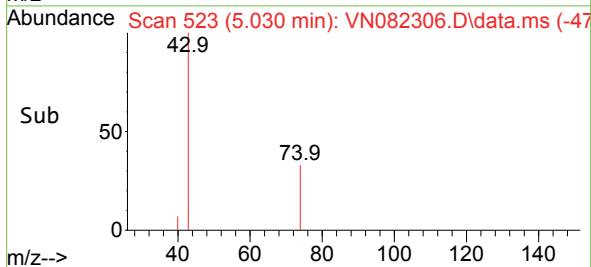
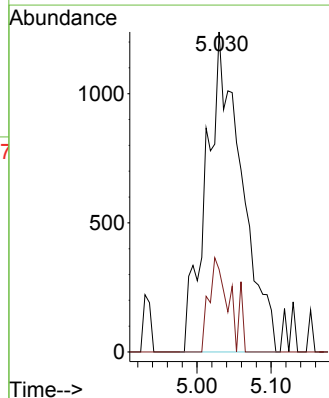
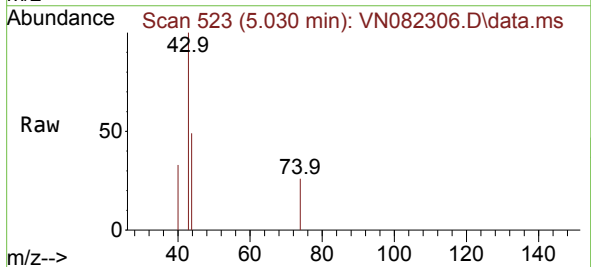
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 35146
Ion Ratio Lower Upper
43 100
58 24.6 25.2 37.8#



#18
Methyl Acetate
Concen: 1.507 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

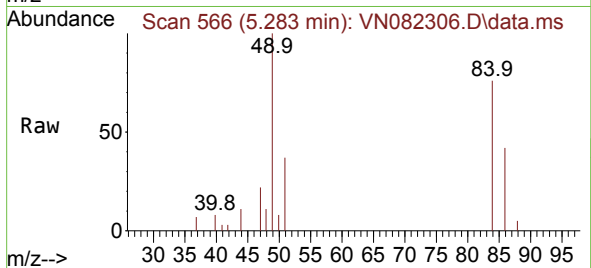
Tgt Ion: 43 Resp: 4105
Ion Ratio Lower Upper
43 100
74 17.3 22.2 33.2#





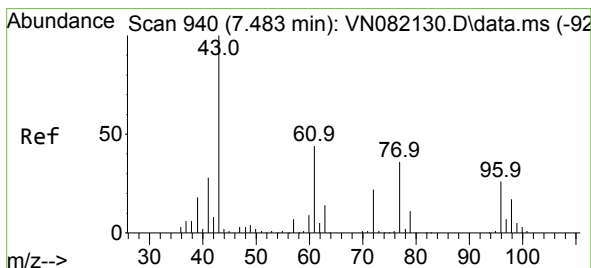
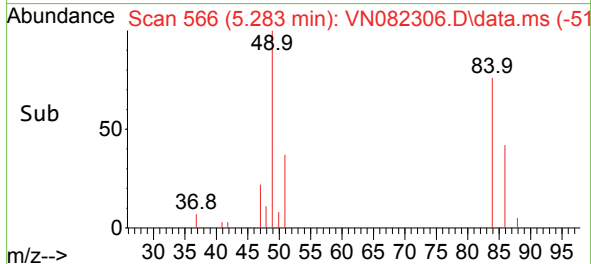
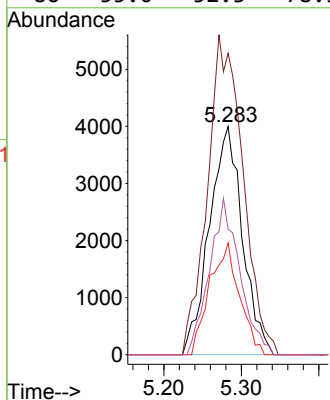
#20
Methylene Chloride
Concen: 5.370 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 11849

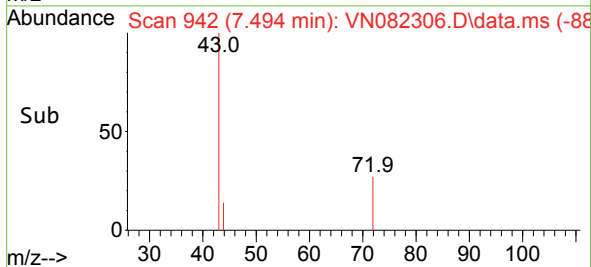
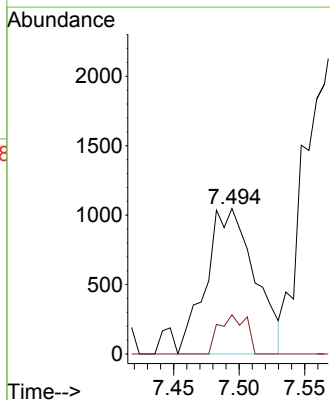
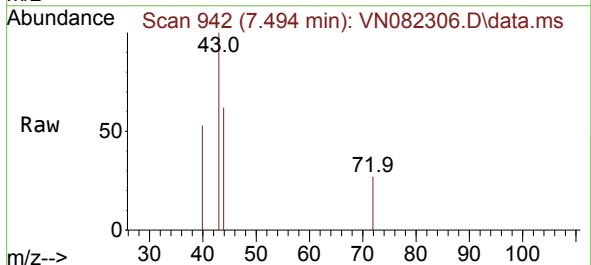
Ion	Ratio	Lower	Upper
84	100		
49	132.1	84.9	127.3#
51	49.0	27.0	40.6#
86	55.0	52.3	78.5

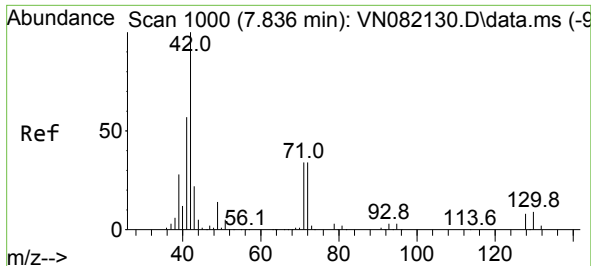


#25
2-Butanone
Concen: 1.630 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Tgt Ion: 43 Resp: 2702

Ion	Ratio	Lower	Upper
43	100		
72	26.9	25.3	37.9





#29

Tetrahydrofuran

Concen: 0.385 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. 0.005 min

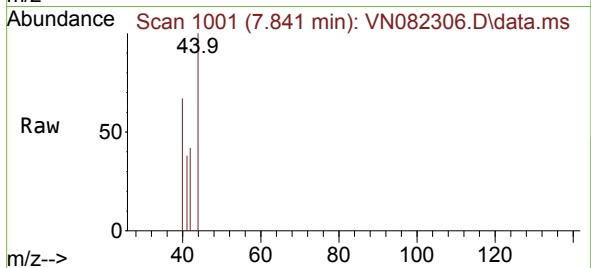
Lab File: VN082306.D

Acq: 22 May 2024 20:42

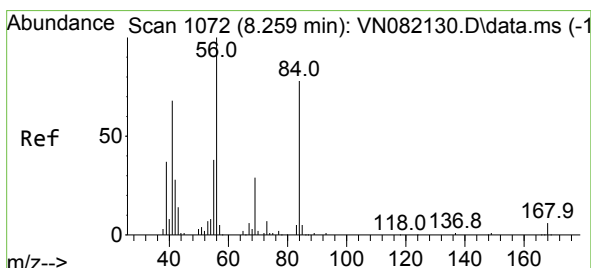
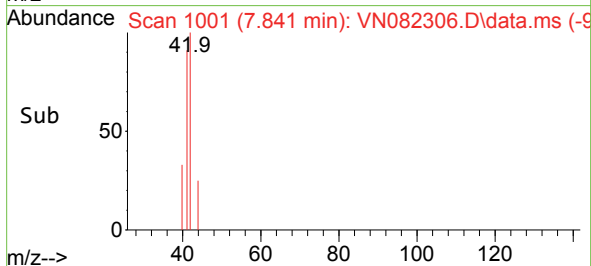
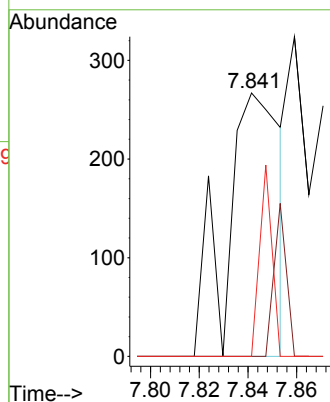
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	410
Ion	Ratio	Lower	Upper
42	100		
72	13.4	39.3	58.9#
71	16.6	37.4	56.0#



#31

Cyclohexane

Concen: 1.199 ug/l

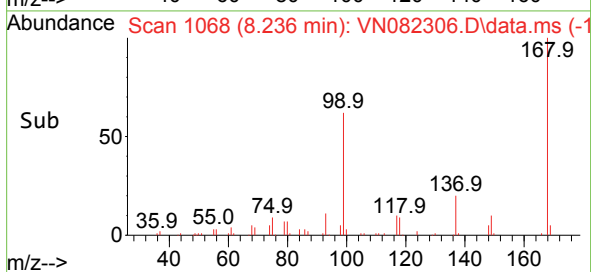
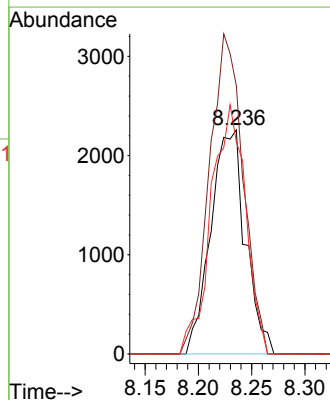
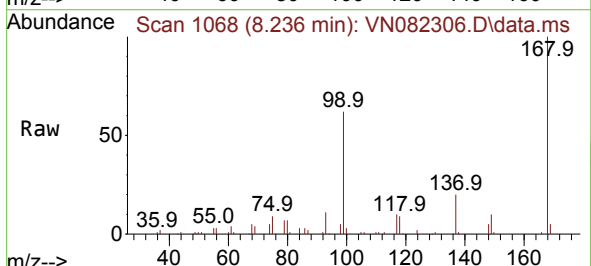
RT: 8.236 min Scan# 1068

Delta R.T. -0.023 min

Lab File: VN082306.D

Acq: 22 May 2024 20:42

Tgt Ion:	56	Resp:	5104
Ion	Ratio	Lower	Upper
56	100		
69	119.7	24.4	36.6#
84	94.6	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 54.944 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

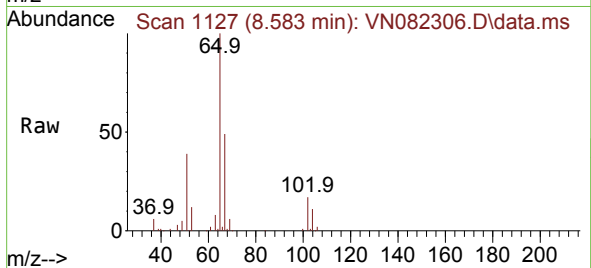
Lab File: VN082306.D

Acq: 22 May 2024 20:42

Instrument :

MSVOA_N

ClientSampleId :

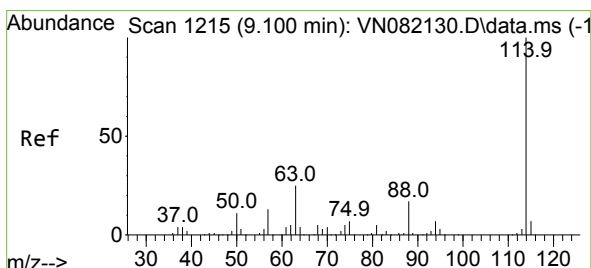
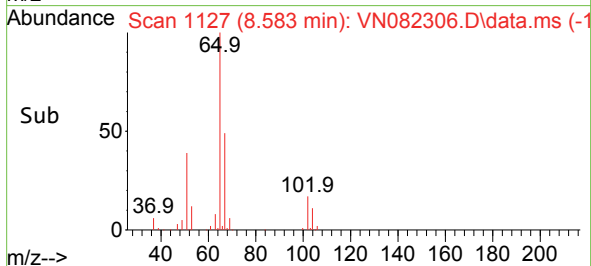
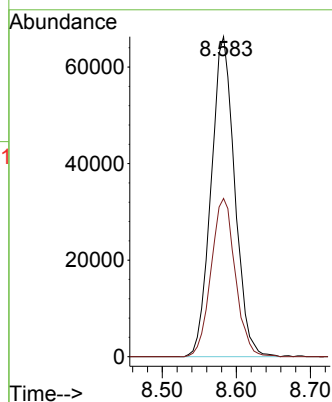


Tgt Ion: 65 Resp: 146470

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082306.D

Acq: 22 May 2024 20:42

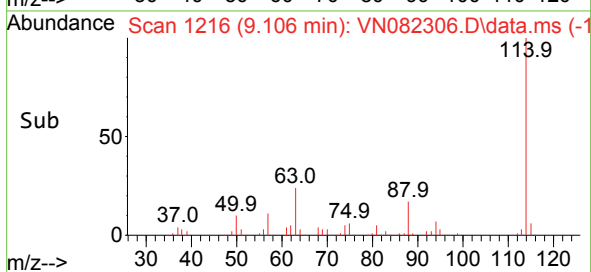
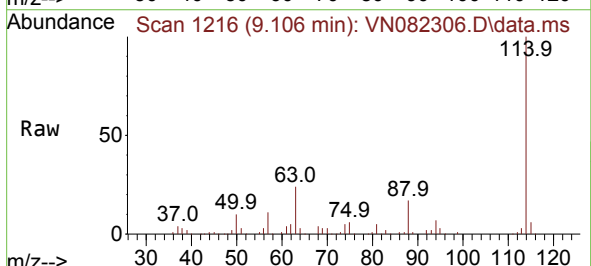
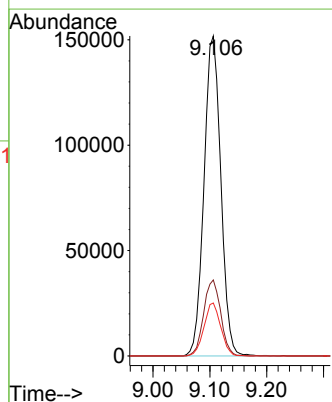
Tgt Ion: 114 Resp: 311787

Ion Ratio Lower Upper

114 100

63 23.8 0.0 41.0

88 16.6 0.0 31.4

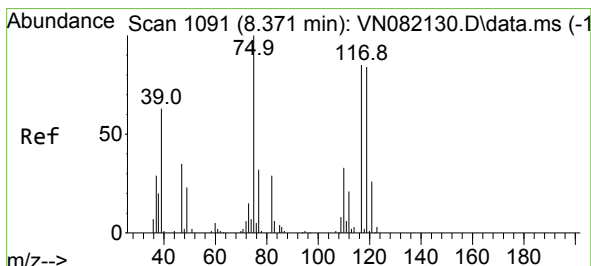
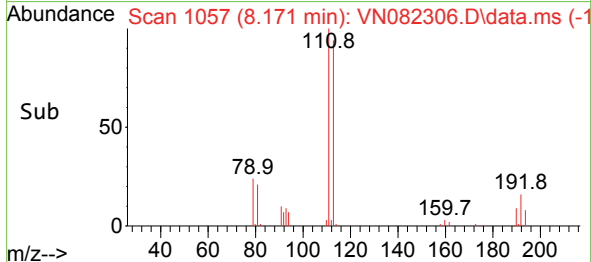
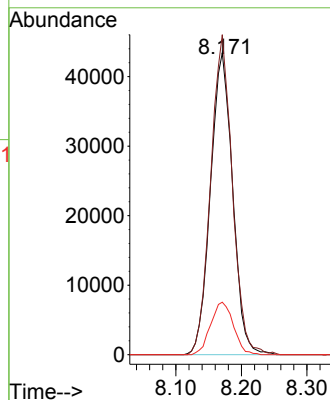
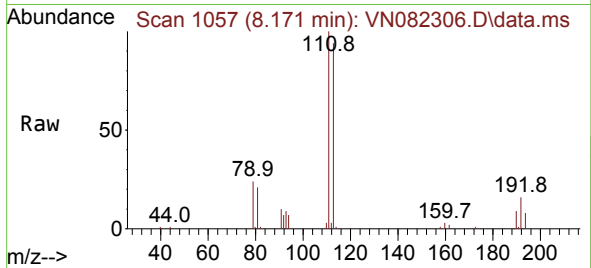




#35
Dibromofluoromethane
Concen: 53.090 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

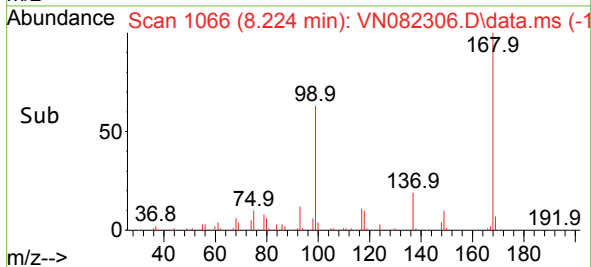
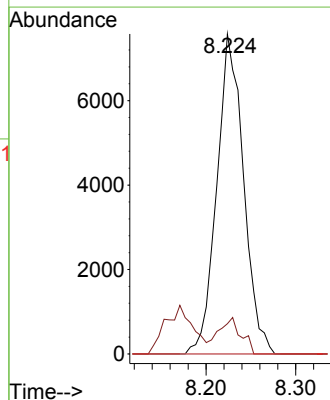
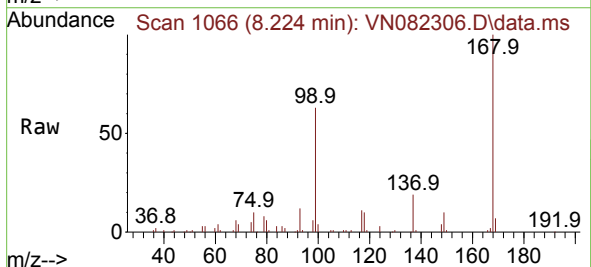
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 101826
Ion Ratio Lower Upper
113 100
111 103.7 83.4 125.2
192 17.9 14.0 21.0



#36
1,1-Dichloropropene
Concen: 4.867 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Tgt Ion: 75 Resp: 15655
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.564 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

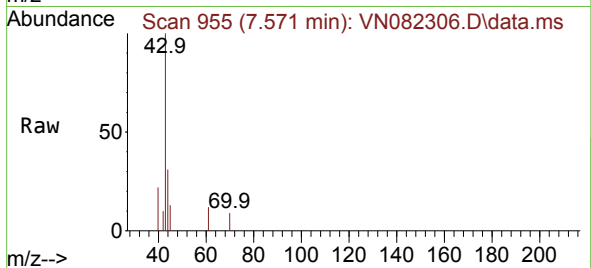
Lab File: VN082306.D

Acq: 22 May 2024 20:42

Instrument :

MSVOA_N

ClientSampleId :



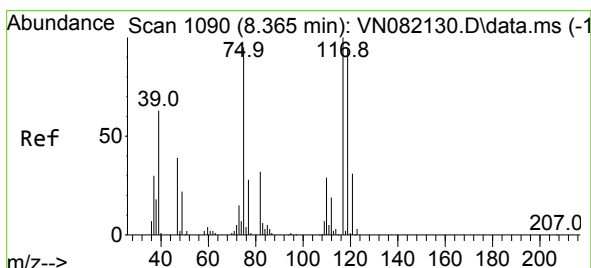
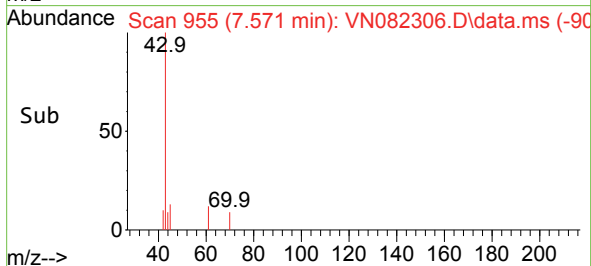
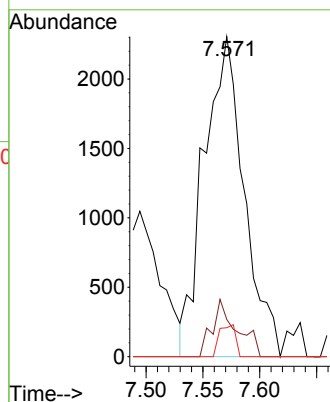
Tgt Ion: 43 Resp: 5631

Ion Ratio Lower Upper

43 100

61 11.0 11.3 16.9#

70 4.0 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.559 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082306.D

Acq: 22 May 2024 20:42

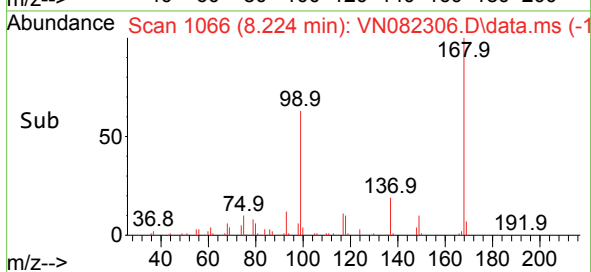
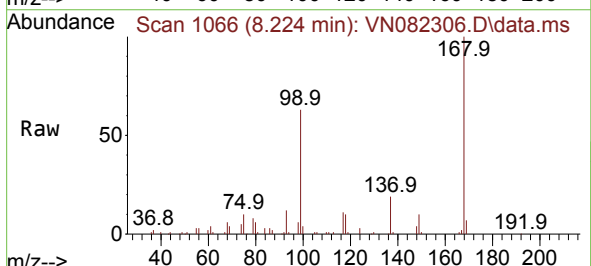
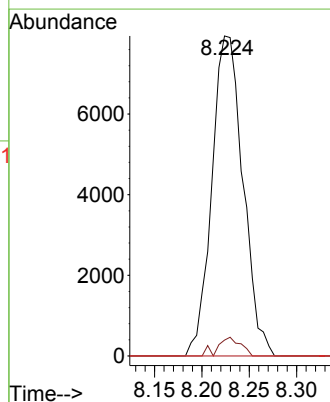
Tgt Ion: 117 Resp: 18128

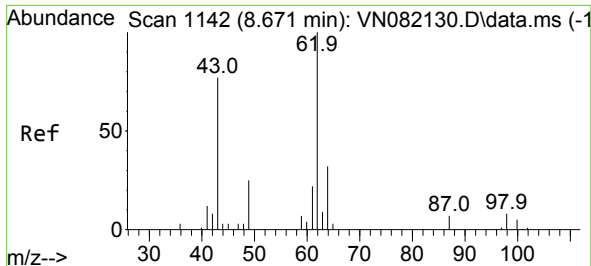
Ion Ratio Lower Upper

117 100

119 5.0 76.5 114.7#

121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.398 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN082306.D

Acq: 22 May 2024 20:42

Instrument :

MSVOA_N

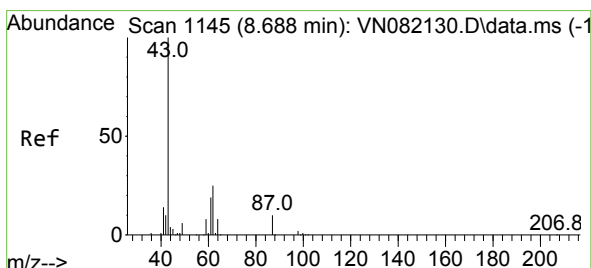
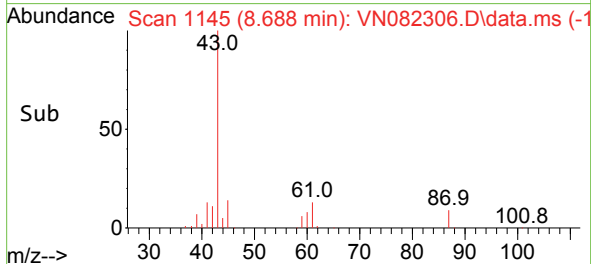
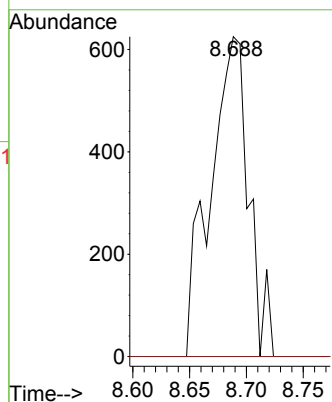
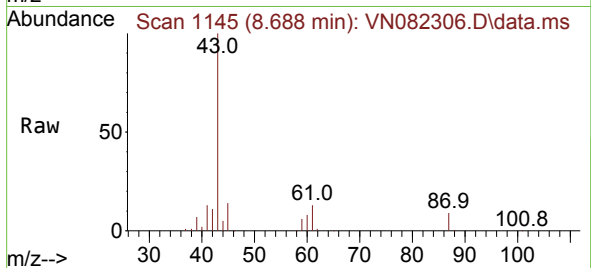
ClientSampleId :

Tgt Ion: 62 Resp: 1469

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 49.919 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082306.D

Acq: 22 May 2024 20:42

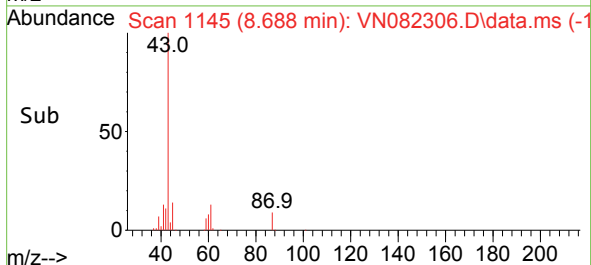
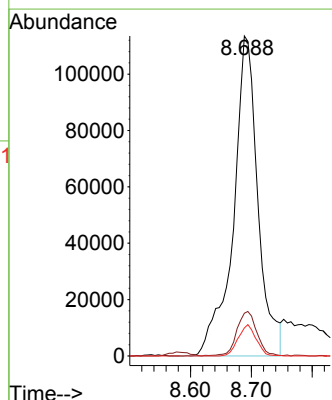
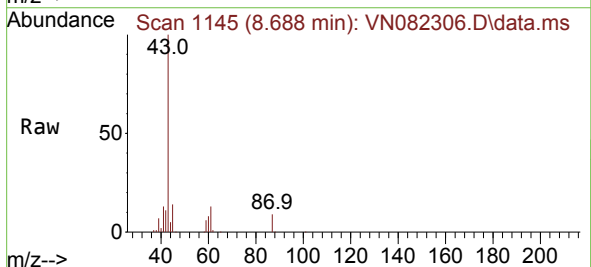
Tgt Ion: 43 Resp: 318426

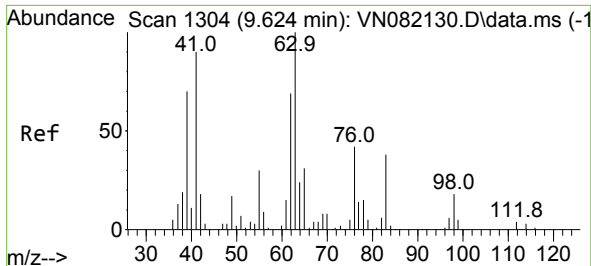
Ion Ratio Lower Upper

43 100

61 11.4 22.8 34.2#

87 7.1 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.833 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082306.D

Acq: 22 May 2024 20:42

Instrument :

MSVOA_N

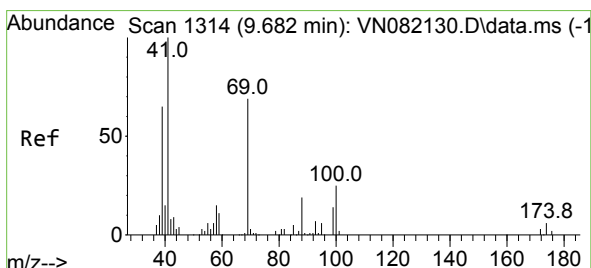
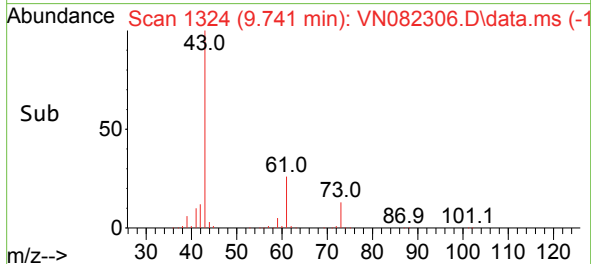
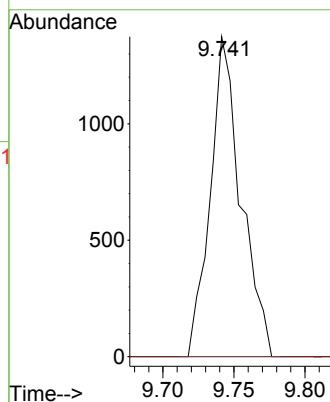
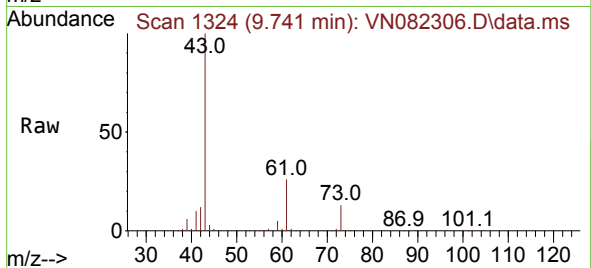
ClientSampleId :

Tgt Ion: 63 Resp: 2061

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 2.053 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN082306.D

Acq: 22 May 2024 20:42

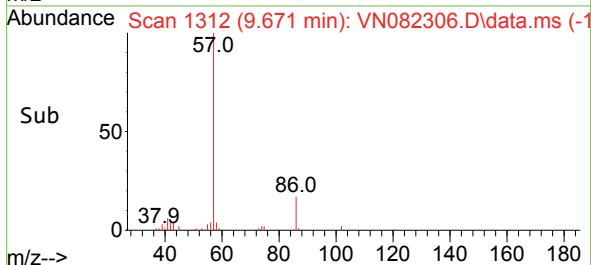
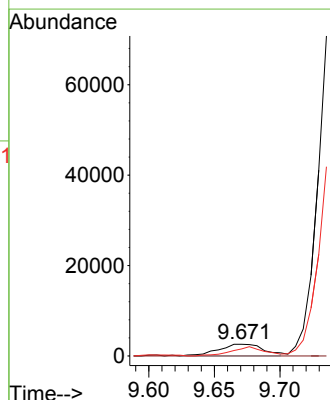
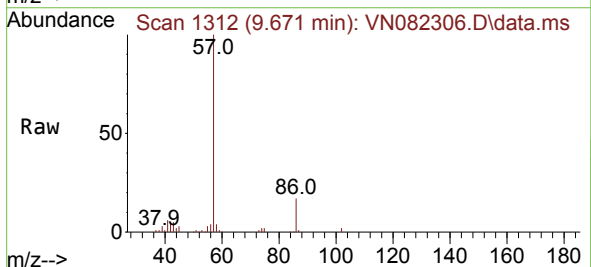
Tgt Ion: 41 Resp: 6240

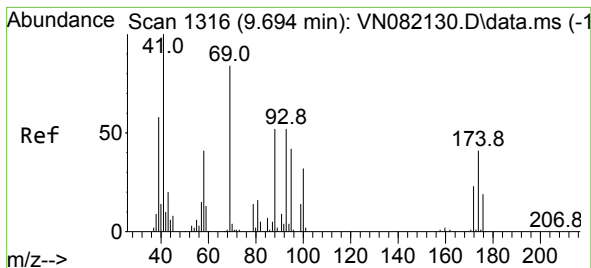
Ion Ratio Lower Upper

41 100

69 0.0 77.9 116.9#

39 56.7 50.9 76.3





#49

1,4-Dioxane

Concen: 2.348 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.047 min

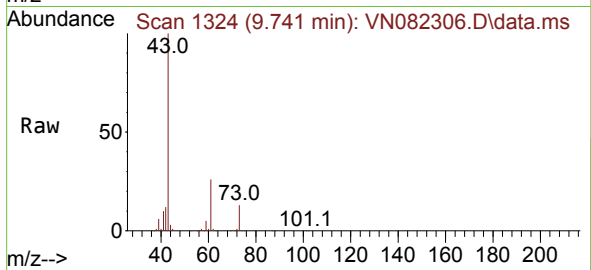
Lab File: VN082306.D

Acq: 22 May 2024 20:42

Instrument :

MSVOA_N

ClientSampleId :



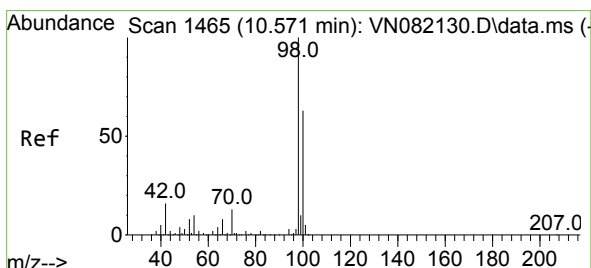
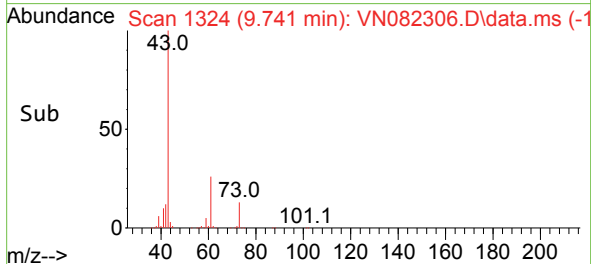
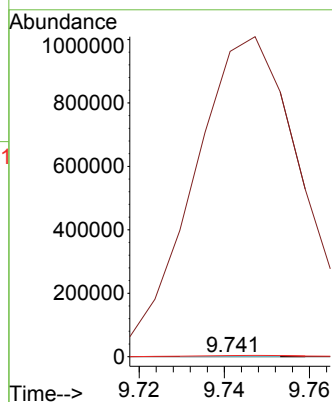
Tgt Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 1821298.0 19.0 28.6#

58 7667.0 50.6 76.0#



#50

Toluene-d8

Concen: 55.403 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082306.D

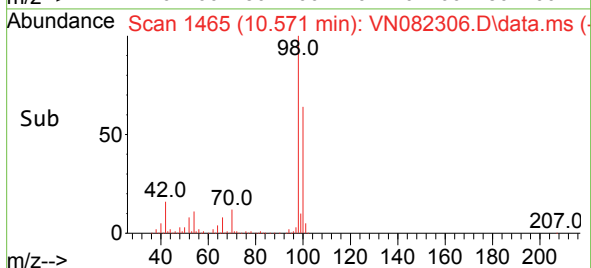
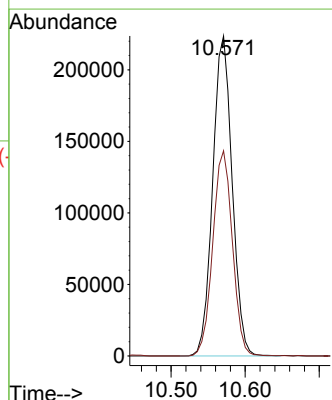
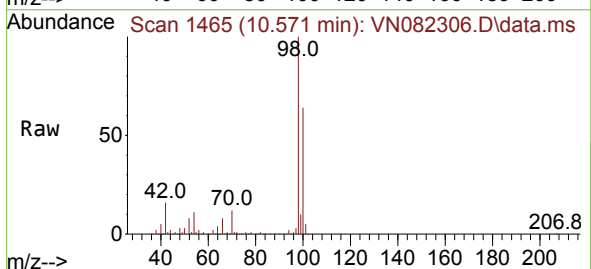
Acq: 22 May 2024 20:42

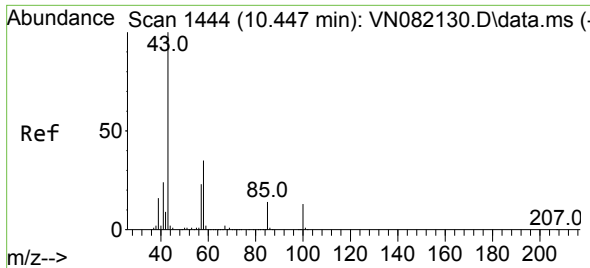
Tgt Ion: 98 Resp: 407396

Ion Ratio Lower Upper

98 100

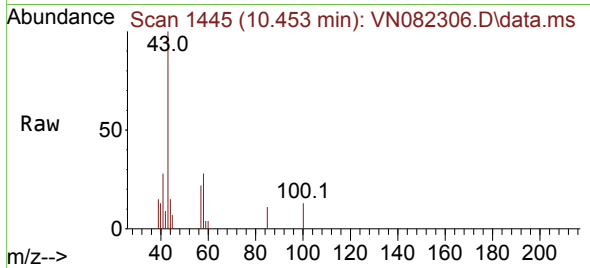
100 64.7 51.8 77.6



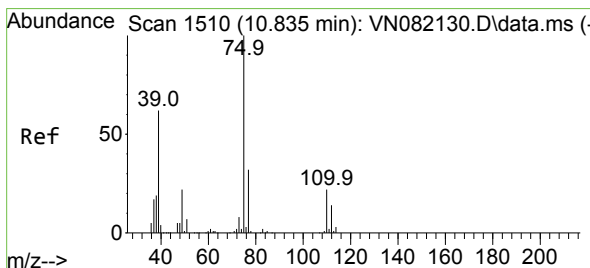
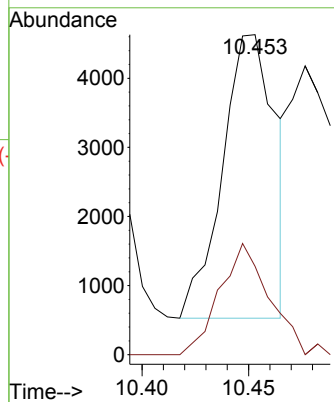
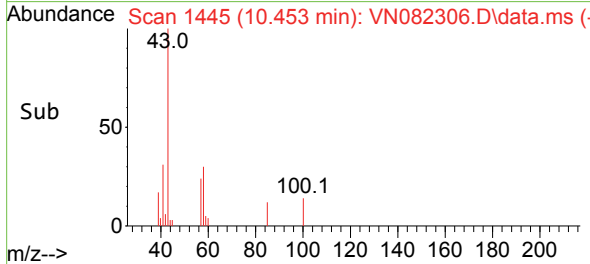


#51
4-Methyl-2-Pentanone
Concen: 1.963 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Instrument :
MSVOA_N
ClientSampleId :

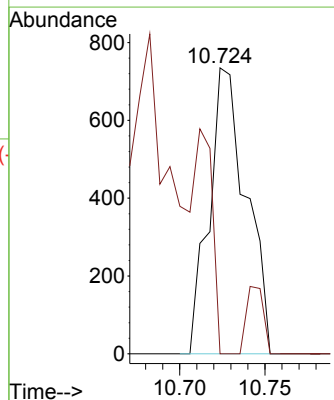
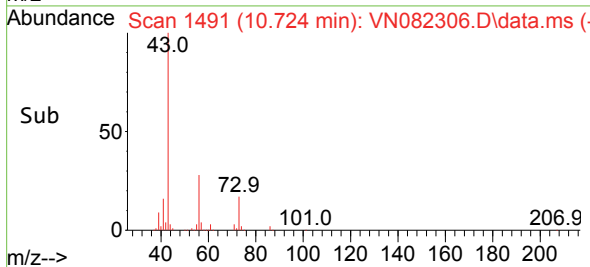
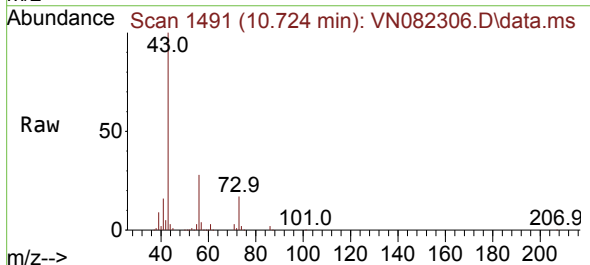


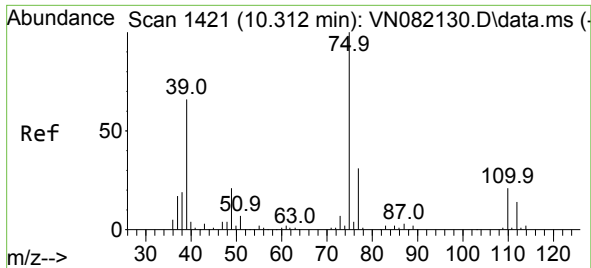
Tgt Ion: 43 Resp: 7115
Ion Ratio Lower Upper
43 100
58 37.0 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.313 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Tgt Ion: 75 Resp: 1111
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

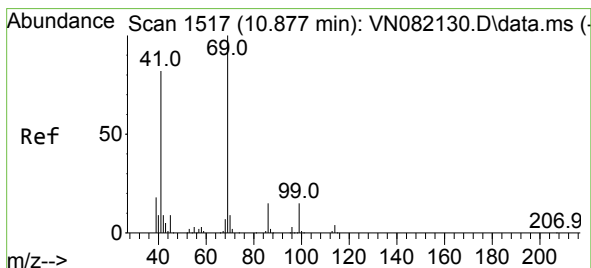
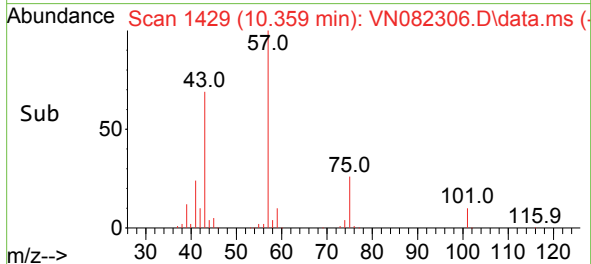
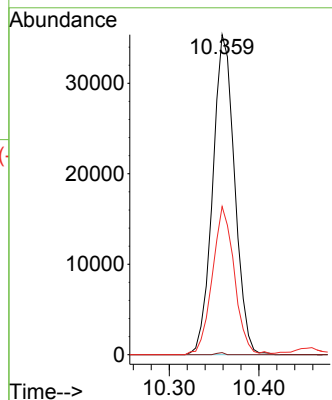
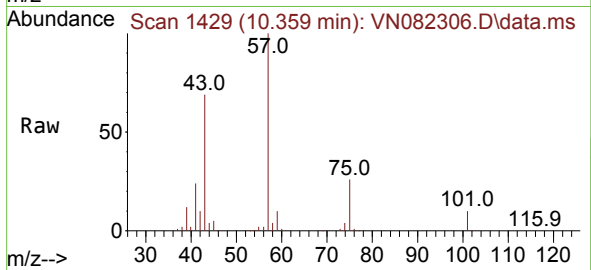




#54
 cis-1,3-Dichloropropene
 Concen: 16.004 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082306.D
 Acq: 22 May 2024 20:42

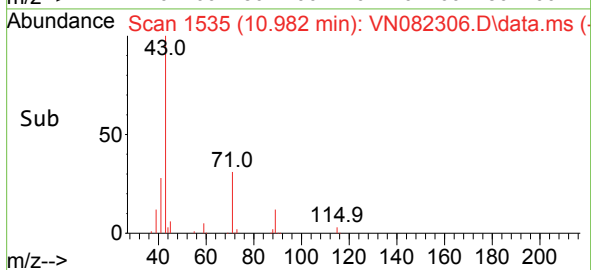
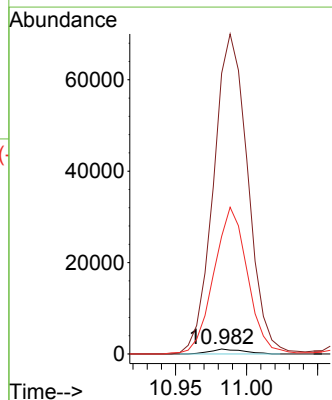
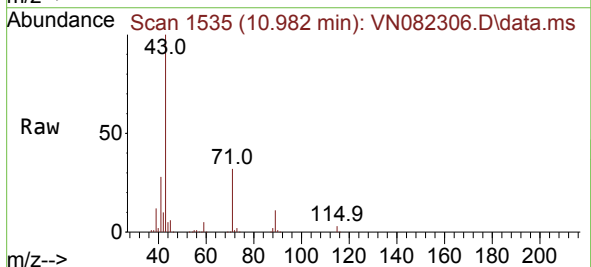
Instrument :
 MSVOA_N
 ClientSampleId :

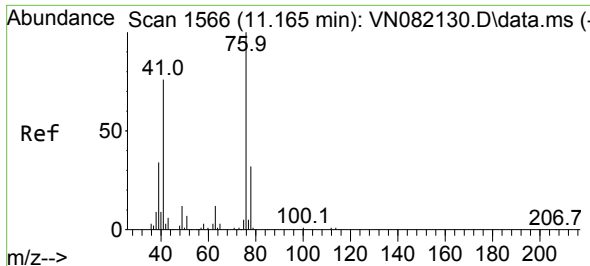
Tgt Ion: 75 Resp: 60100
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.0 37.4#
 39 46.3 34.8 52.2



#56
 Ethyl methacrylate
 Concen: 0.493 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.106 min
 Lab File: VN082306.D
 Acq: 22 May 2024 20:42

Tgt Ion: 69 Resp: 1752
 Ion Ratio Lower Upper
 69 100
 41 6724.4 46.6 70.0#
 39 3045.0 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 2.018 ug/l

RT: 11.206 min Scan# 1

Delta R.T. 0.041 min

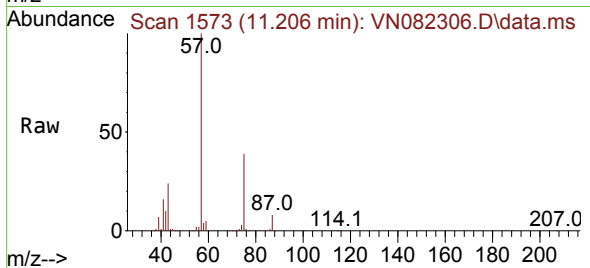
Lab File: VN082306.D

Acq: 22 May 2024 20:42

Instrument :

MSVOA_N

ClientSampleId :

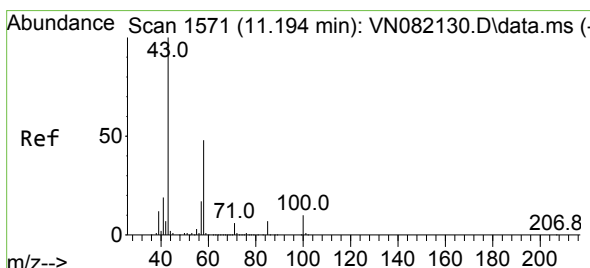
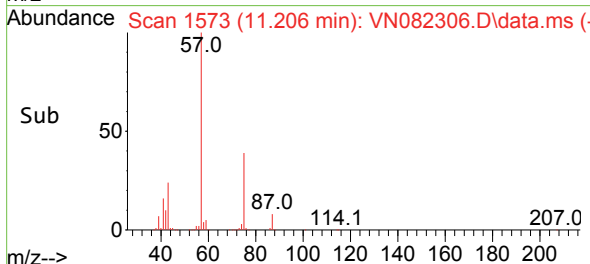
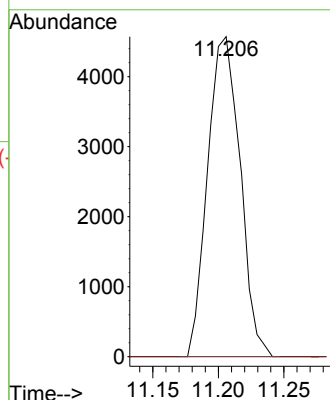


Tgt Ion: 76 Resp: 7895

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 64.442 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN082306.D

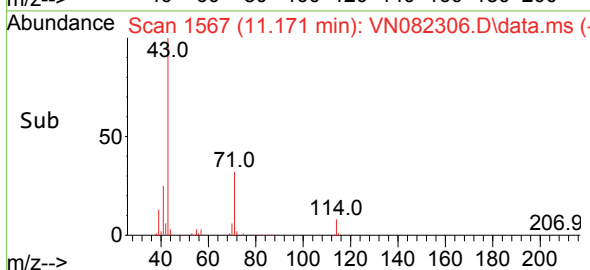
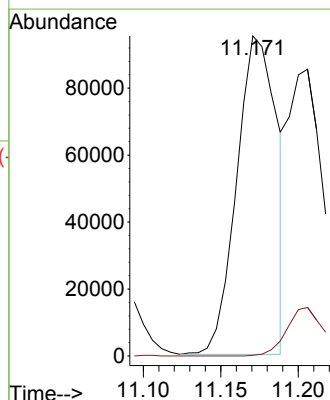
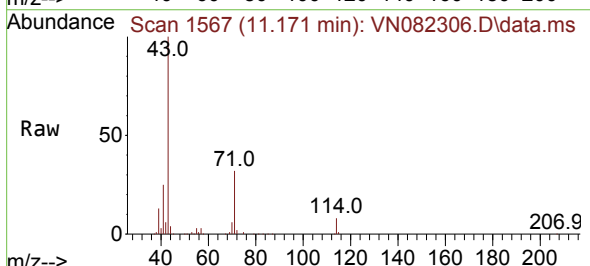
Acq: 22 May 2024 20:42

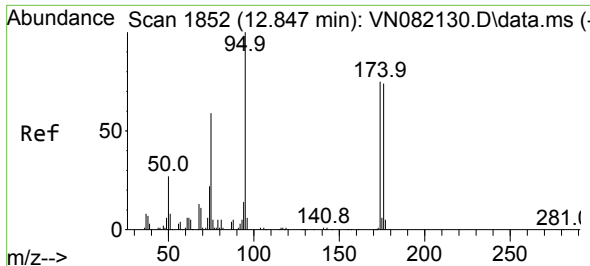
Tgt Ion: 43 Resp: 171008

Ion Ratio Lower Upper

43 100

58 0.0 28.3 84.9#

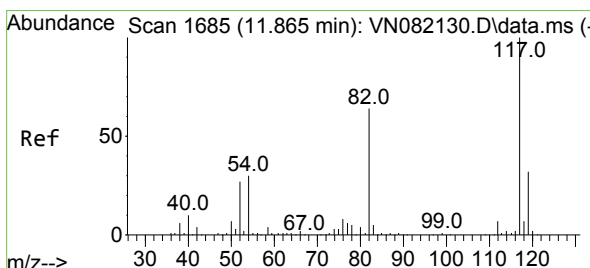
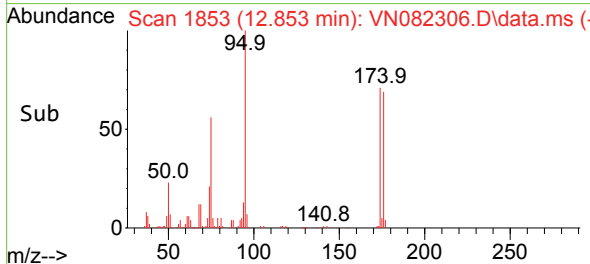
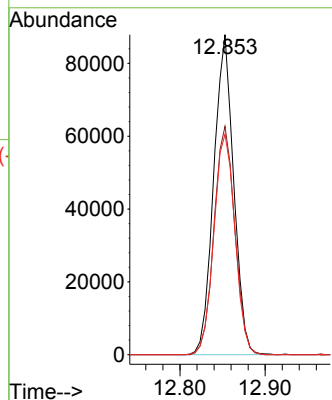
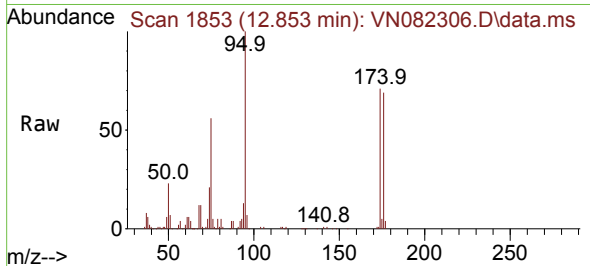




#62
4-Bromofluorobenzene
Concen: 54.392 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

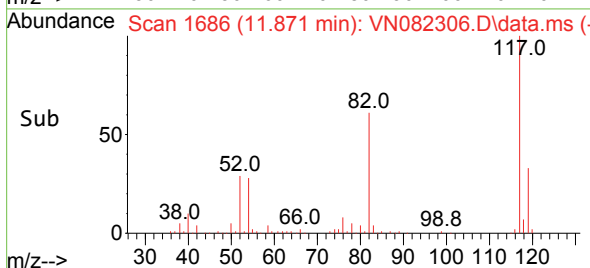
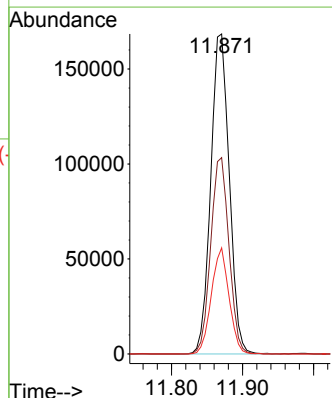
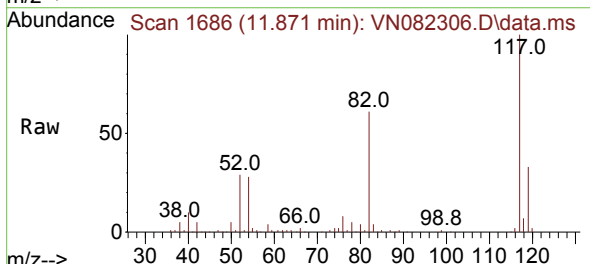
Instrument :
MSVOA_N
ClientSampleId :

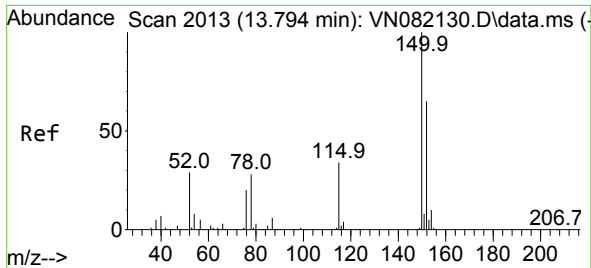
Tgt Ion: 95 Resp: 142757
Ion Ratio Lower Upper
95 100
174 74.6 0.0 160.6
176 72.7 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

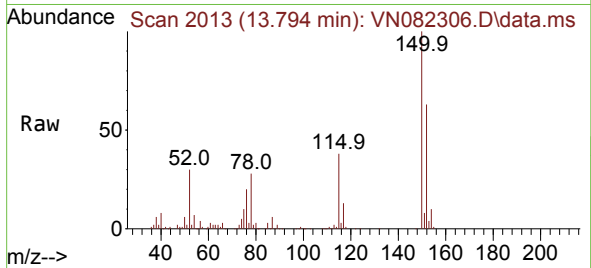
Tgt Ion: 117 Resp: 304862
Ion Ratio Lower Upper
117 100
82 61.3 44.6 66.8
119 33.2 25.9 38.9



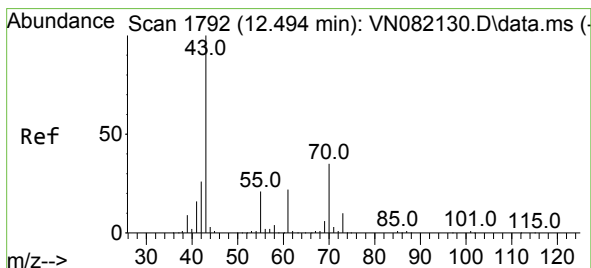
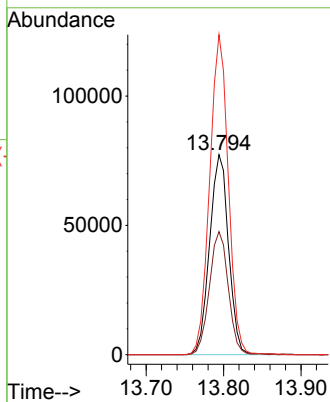
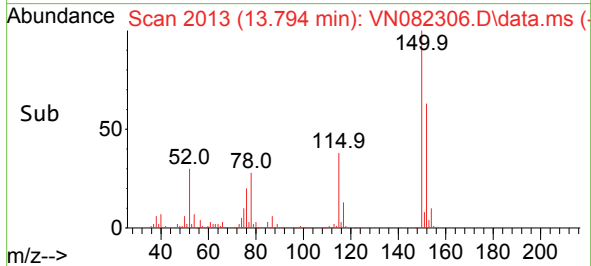


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Instrument :
MSVOA_N
ClientSampleId :

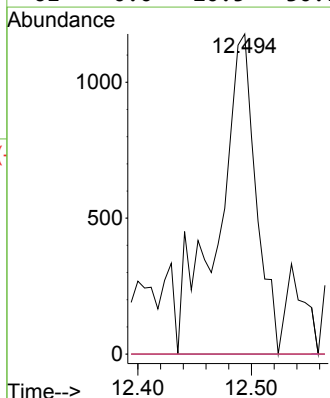
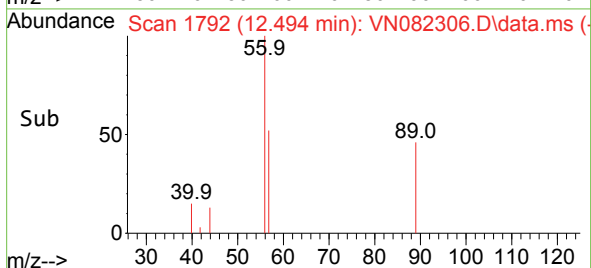
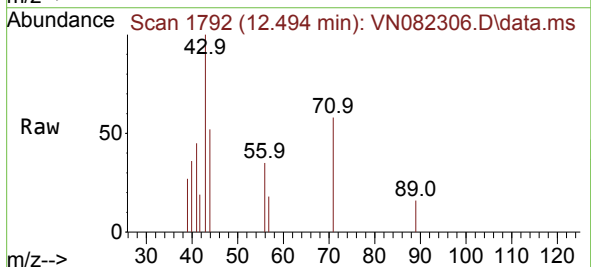


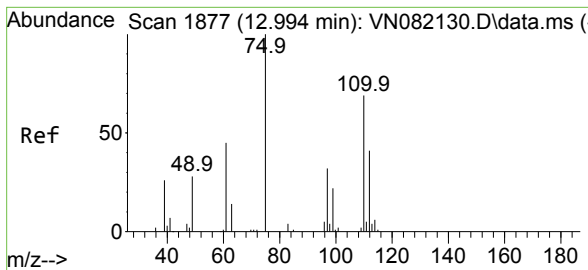
Tgt Ion:152 Resp: 131877
Ion Ratio Lower Upper
152 100
115 61.3 30.4 91.3
150 156.9 0.0 353.2



#74
N-ethyl acetate
Concen: 0.470 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Tgt Ion: 43 Resp: 2711
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#

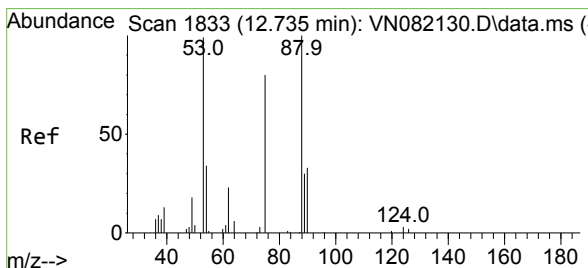
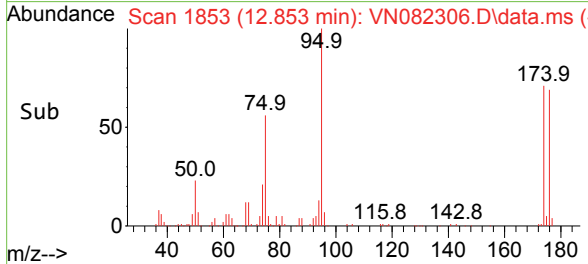
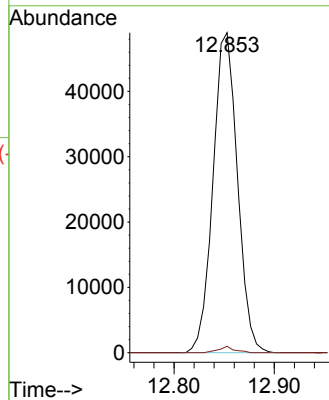
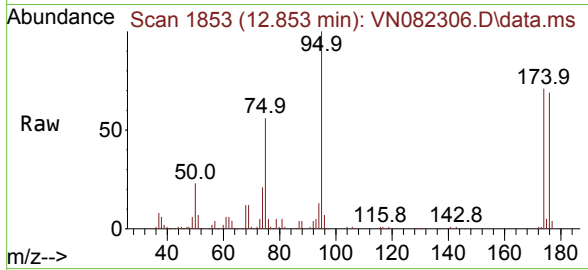




#76
1,2,3-Trichloropropane
Concen: 29.886 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 82955
Ion Ratio Lower Upper
75 100
77 1.3 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.903 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082306.D
Acq: 22 May 2024 20:42

Tgt Ion: 75 Resp: 82955
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#

