

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052924\
 Data File : VN082383.D
 Acq On : 29 May 2024 20:18
 Operator : JC\MD
 Sample : P2609-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 05:49:26 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)

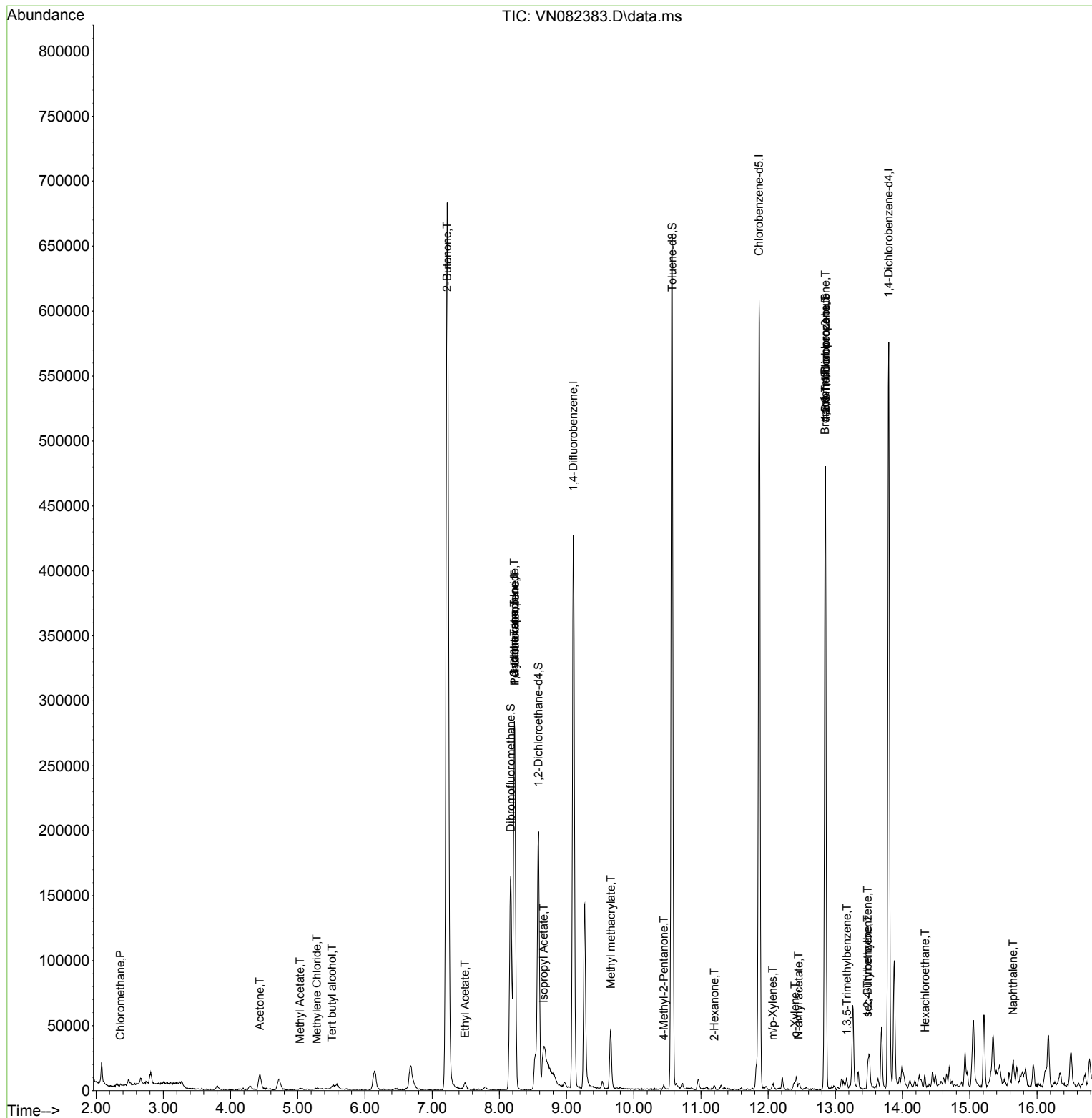
Internal Standards						
1) Pentafluorobenzene	8.230	168	200385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	348754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	320381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	145705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	160606	50.758	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.520%			
35) Dibromofluoromethane	8.171	113	114202	53.232	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.460%			
50) Toluene-d8	10.571	98	431453	52.455	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.920%			
62) 4-Bromofluorobenzene	12.853	95	152181	51.837	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 103.680%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	883	0.270	ug/l	97
11) Tert butyl alcohol	5.512	59	1635	3.219	ug/l #	67
16) Acetone	4.436	43	23299	17.950	ug/l #	84
18) Methyl Acetate	5.036	43	2065	0.639	ug/l #	63
20) Methylene Chloride	5.283	84	681	0.260	ug/l #	58
25) 2-Butanone	7.224	43	307903	156.459	ug/l #	34
31) Cyclohexane	8.224	56	5714	1.131	ug/l #	56
36) 1,1-Dichloropropene	8.230	75	18461	5.131	ug/l #	49
37) Ethyl Acetate	7.488	43	9072	2.253	ug/l #	68
38) Carbon Tetrachloride	8.224	117	21318	5.845	ug/l #	16
43) Isopropyl Acetate	8.659	43	67603	9.475	ug/l #	57
48) Methyl methacrylate	9.659	41	13229	3.891	ug/l #	37
51) 4-Methyl-2-Pentanone	10.447	43	2871	0.708	ug/l #	77
59) 2-Hexanone	11.200	43	2282	0.769	ug/l	68
68) m/p-Xylenes	12.071	106	1388	0.299	ug/l	76
69) o-Xylene	12.400	106	909	0.202	ug/l	55
71) Bromoform	12.847	173	401	0.914	ug/l #	28
74) N-amyl acetate	12.453	43	3699	0.581	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	89601	29.217	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.170	105	2061	0.220	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.853	75	89601	68.337	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.482	105	9774	1.021	ug/l	94
85) sec-Butylbenzene	13.482	105	9774	0.861	ug/l #	56
90) Hexachloroethane	14.335	117	521	0.305	ug/l #	17
95) Naphthalene	15.647	128	14840	1.786	ug/l #	94

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

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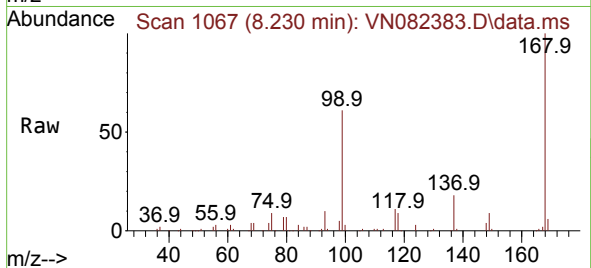
Quant Time: May 30 05:49:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



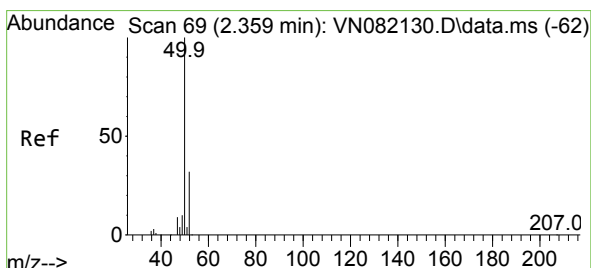
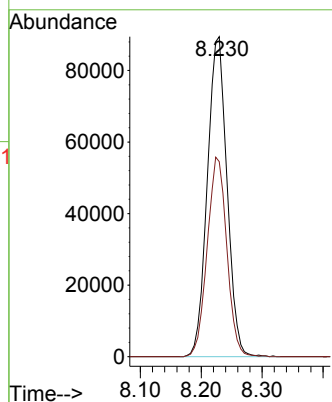
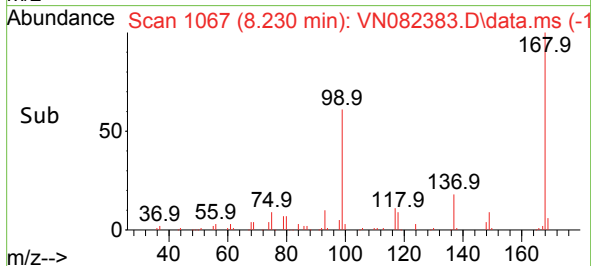


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Instrument :
MSVOA_N
ClientSampleId :

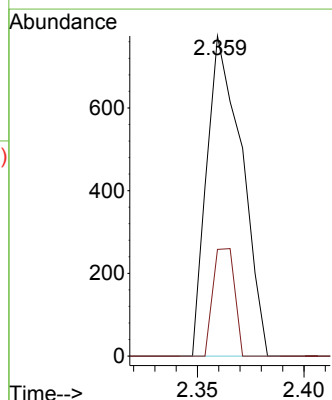
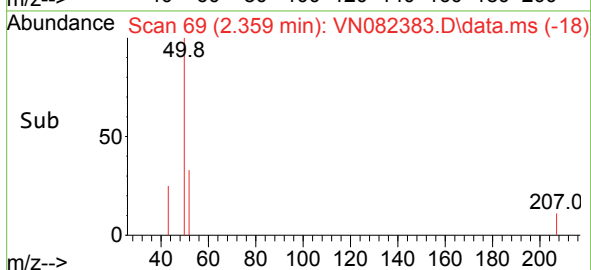
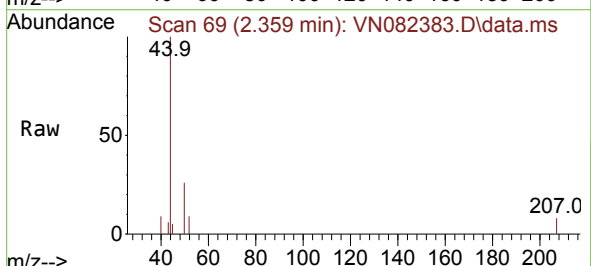


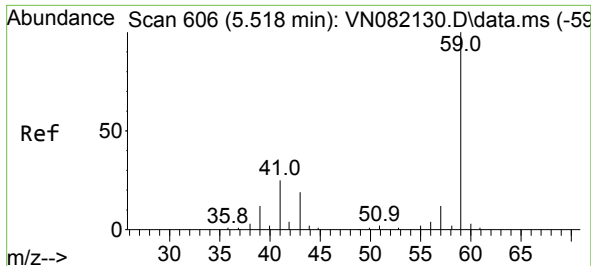
Tgt Ion:168 Resp: 200385
Ion Ratio Lower Upper
168 100
99 60.9 48.2 72.4



#3
Chloromethane
Concen: 0.270 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Tgt Ion: 50 Resp: 883
Ion Ratio Lower Upper
50 100
52 33.3 25.5 38.3





#11

Tert butyl alcohol

Concen: 3.219 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN082383.D

Acq: 29 May 2024 20:18

Instrument :

MSVOA_N

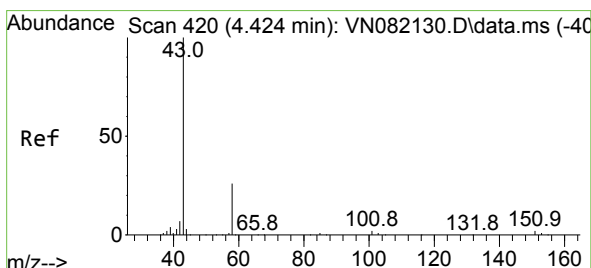
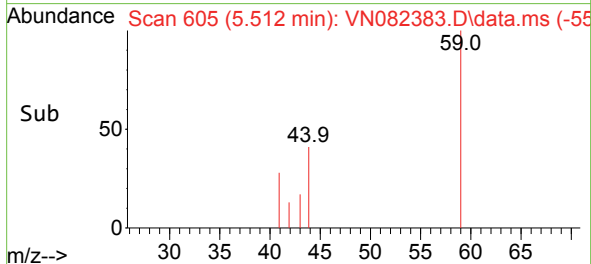
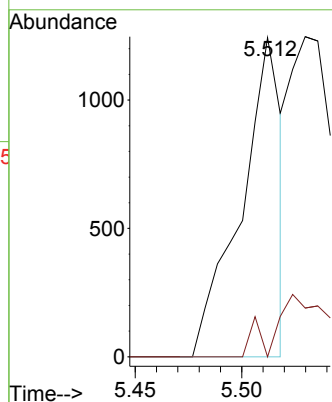
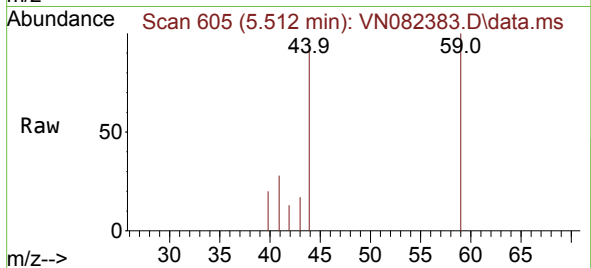
ClientSampleId :

Tgt Ion: 59 Resp: 1635

Ion Ratio Lower Upper

59 100

57 23.6 8.9 13.3#



#16

Acetone

Concen: 17.950 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN082383.D

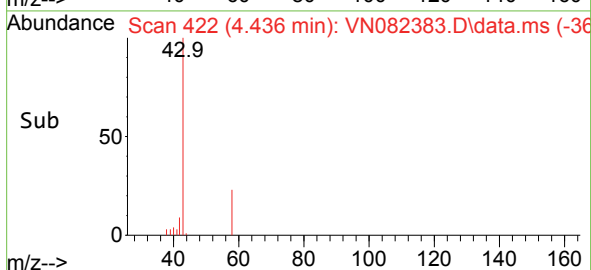
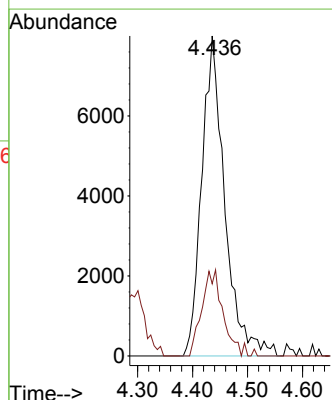
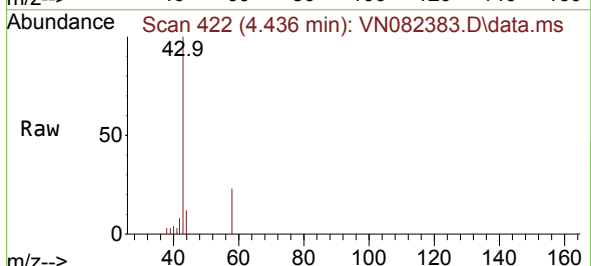
Acq: 29 May 2024 20:18

Tgt Ion: 43 Resp: 23299

Ion Ratio Lower Upper

43 100

58 22.6 25.2 37.8#





#18

Methyl Acetate

Concen: 0.639 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

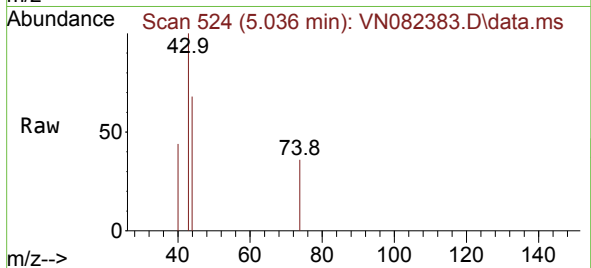
Lab File: VN082383.D

Acq: 29 May 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

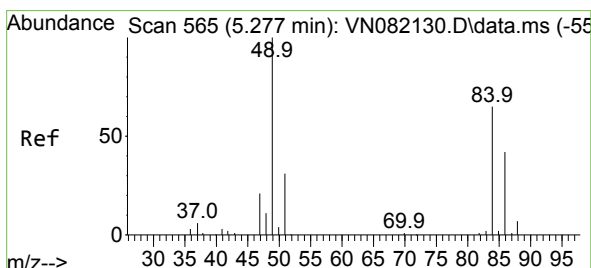
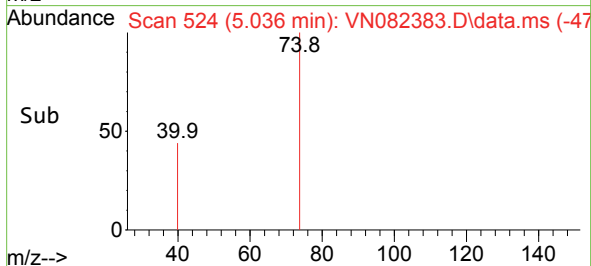
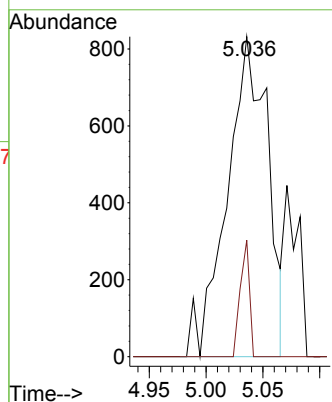


Tgt Ion: 43 Resp: 2065

Ion Ratio Lower Upper

43 100

74 8.2 22.2 33.2#



#20

Methylene Chloride

Concen: 0.260 ug/l

RT: 5.283 min Scan# 566

Delta R.T. 0.006 min

Lab File: VN082383.D

Acq: 29 May 2024 20:18

Tgt Ion: 84 Resp: 681

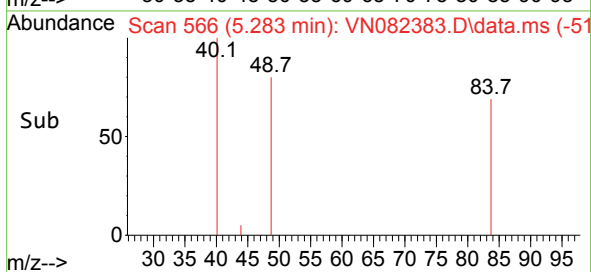
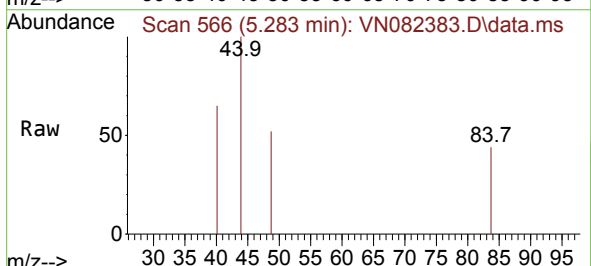
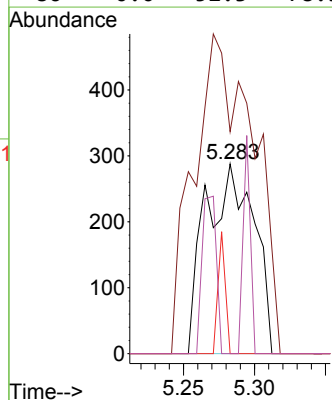
Ion Ratio Lower Upper

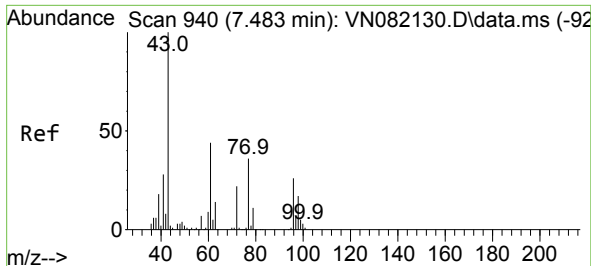
84 100

49 117.0 84.9 127.3

51 0.0 27.0 40.6#

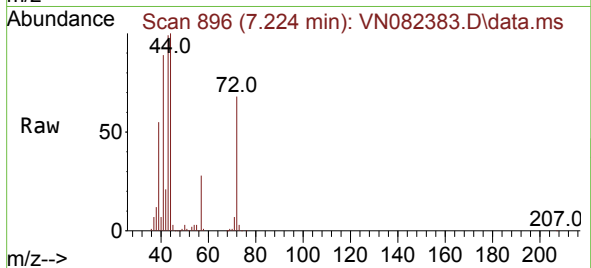
86 0.0 52.3 78.5#



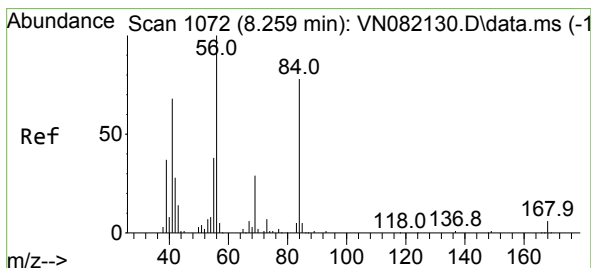
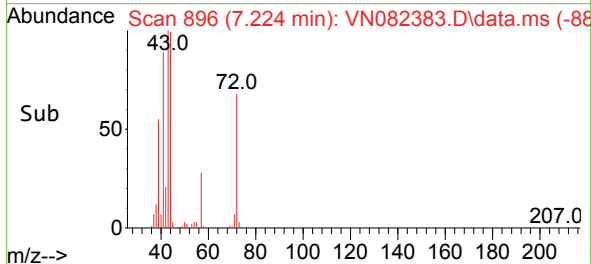
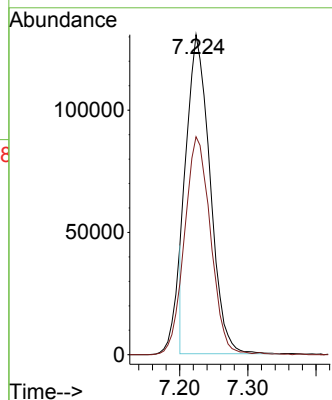


#25
2-Butanone
Concen: 156.459 ug/l
RT: 7.224 min Scan# 896
Delta R.T. -0.259 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Instrument :
MSVOA_N
ClientSampleId :

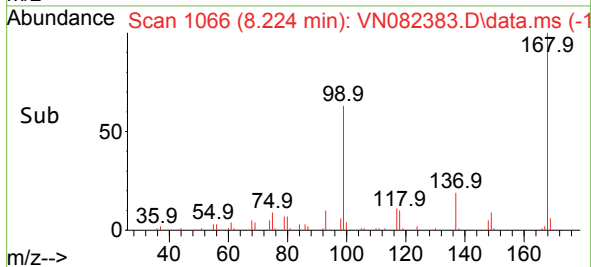
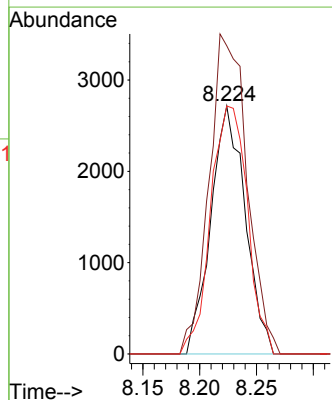
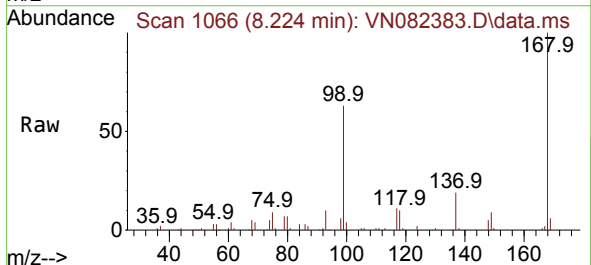


Tgt Ion: 43 Resp: 307903
Ion Ratio Lower Upper
43 100
72 68.1 25.3 37.9#



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Tgt Ion: 56 Resp: 5714
Ion Ratio Lower Upper
56 100
69 124.3 24.4 36.6#
84 100.0 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 50.758 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

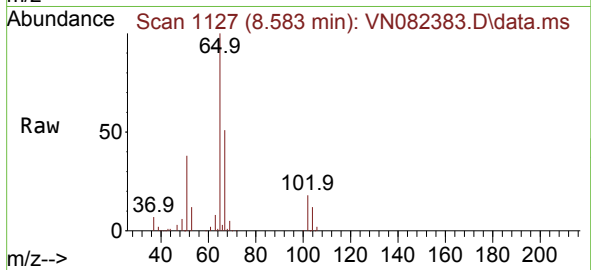
Lab File: VN082383.D

Acq: 29 May 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :

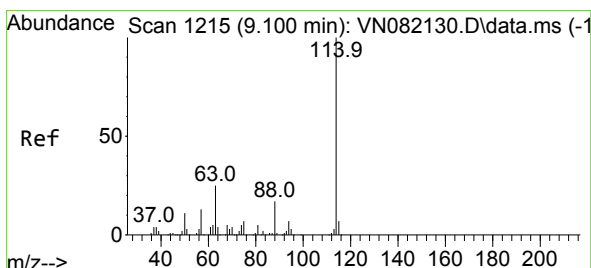
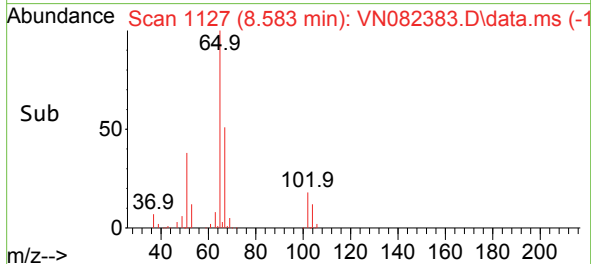
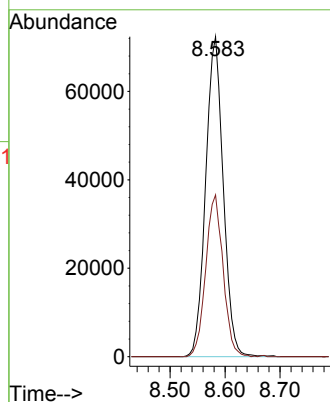


Tgt Ion: 65 Resp: 160606

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN082383.D

Acq: 29 May 2024 20:18

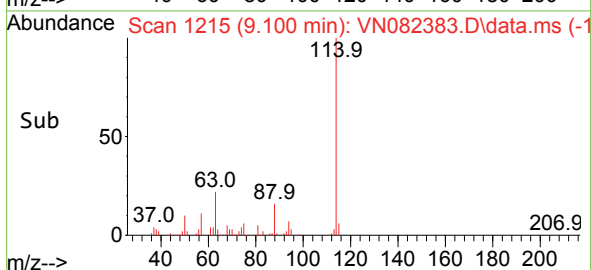
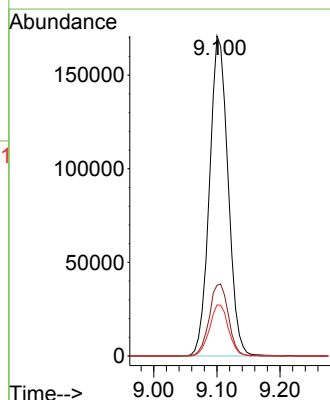
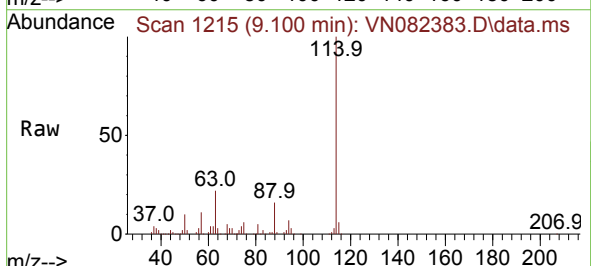
Tgt Ion: 114 Resp: 348754

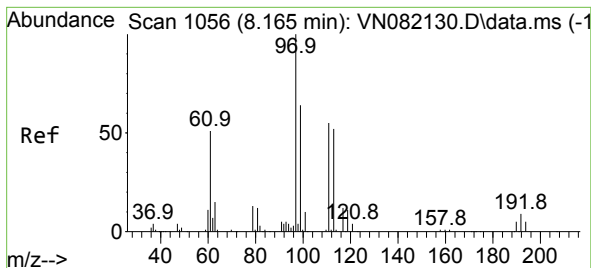
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.0

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.232 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

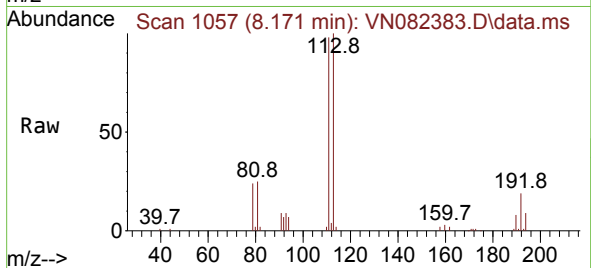
Lab File: VN082383.D

Acq: 29 May 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :



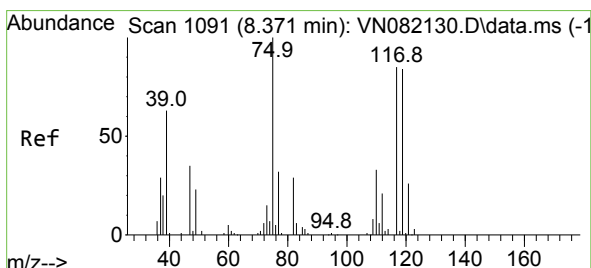
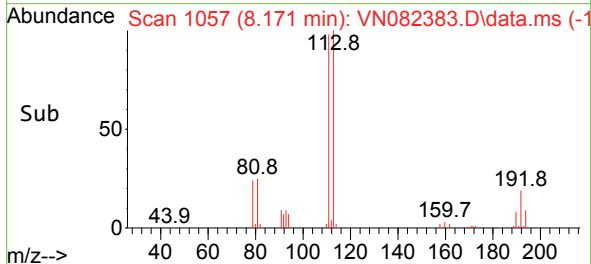
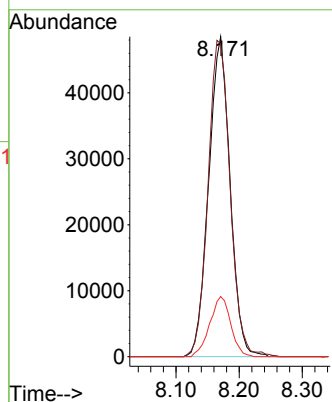
Tgt Ion:113 Resp: 114202

Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

192 18.4 14.0 21.0



#36

1,1-Dichloropropene

Concen: 5.131 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082383.D

Acq: 29 May 2024 20:18

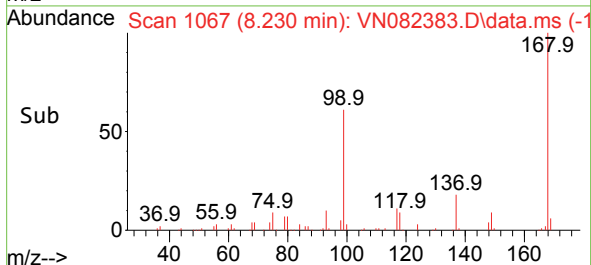
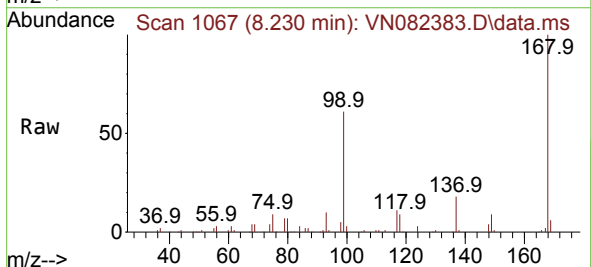
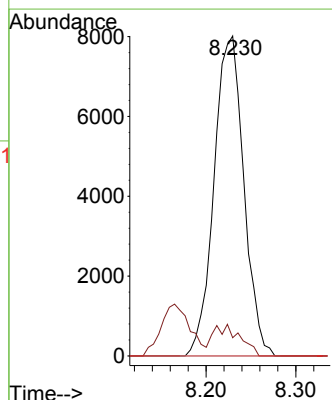
Tgt Ion: 75 Resp: 18461

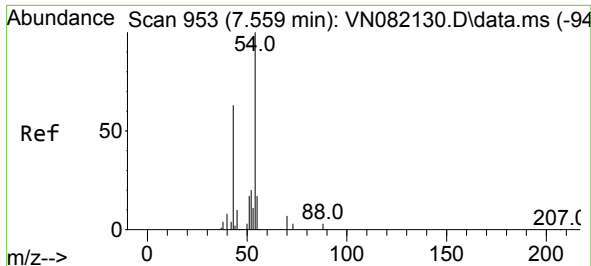
Ion Ratio Lower Upper

75 100

110 8.7 17.8 53.5#

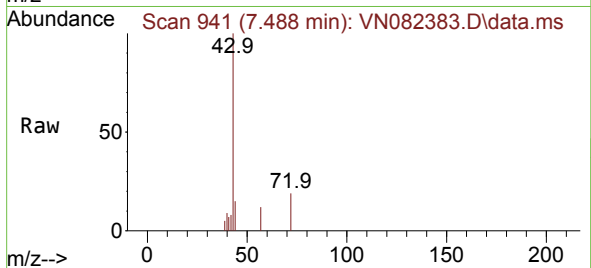
77 0.0 25.0 37.4#



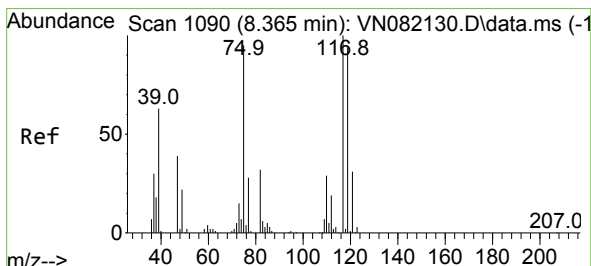
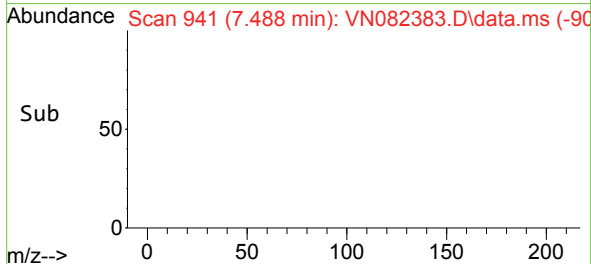
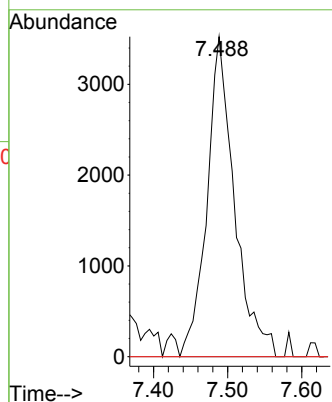


#37
Ethyl Acetate
Concen: 2.253 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Instrument :
MSVOA_N
ClientSampleId :

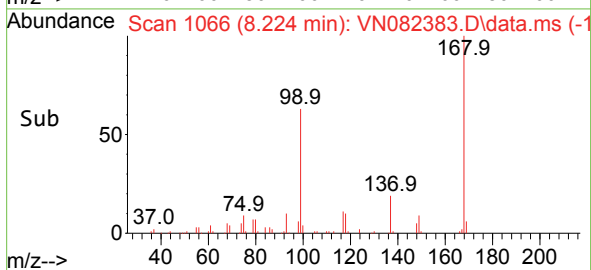
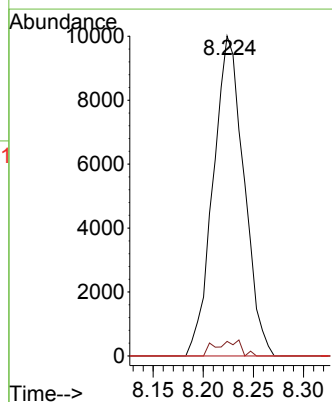
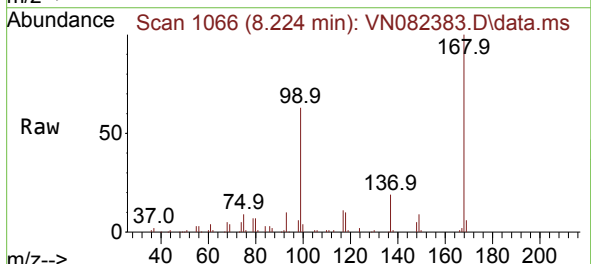


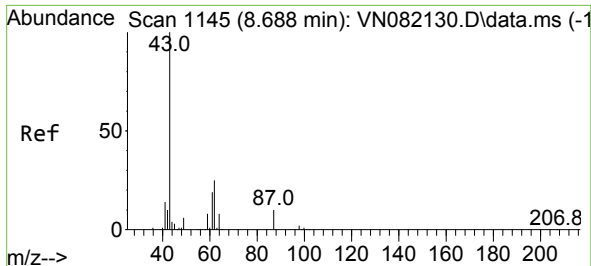
Tgt Ion: 43 Resp: 9072
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 5.845 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

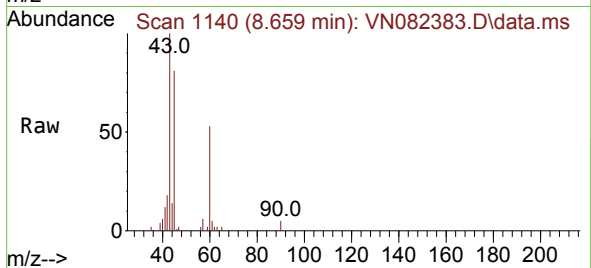
Tgt Ion: 117 Resp: 21318
Ion Ratio Lower Upper
117 100
119 4.5 76.5 114.7#
121 0.0 23.9 35.9#



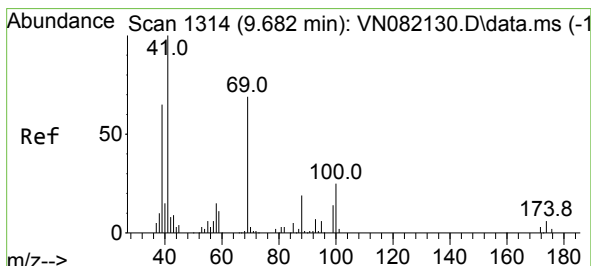
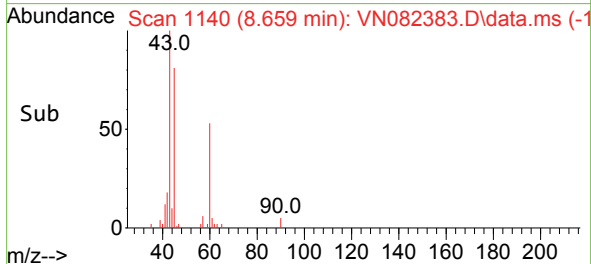
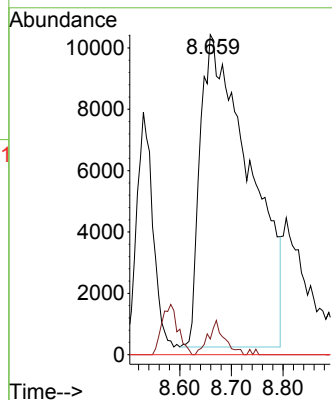


#43
Isopropyl Acetate
Concen: 9.475 ug/l
RT: 8.659 min Scan# 1145
Delta R.T. -0.029 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Instrument :
MSVOA_N
ClientSampleId :

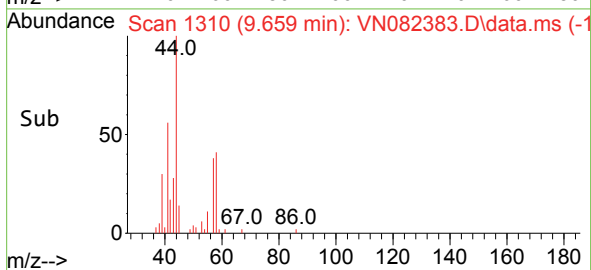
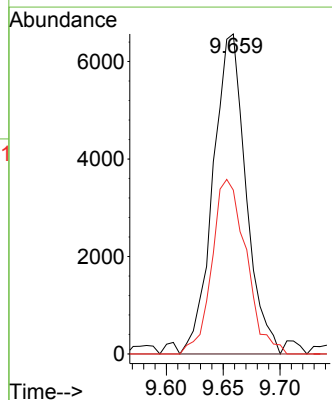
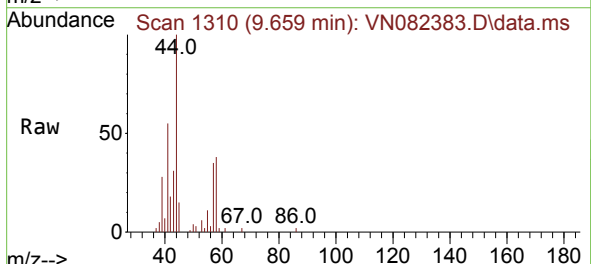


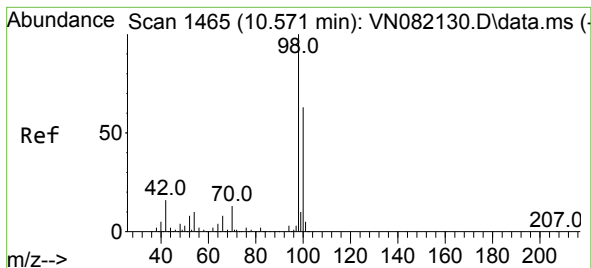
Tgt Ion: 43 Resp: 67603
Ion Ratio Lower Upper
43 100
61 3.5 22.8 34.2#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 3.891 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.024 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Tgt Ion: 41 Resp: 13229
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 56.9 50.9 76.3

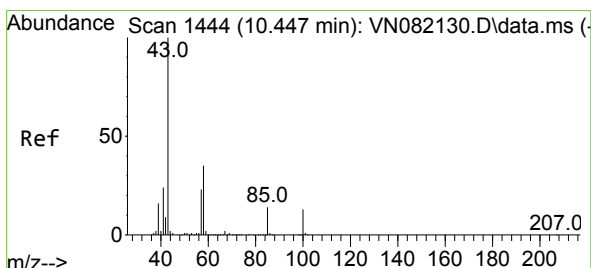
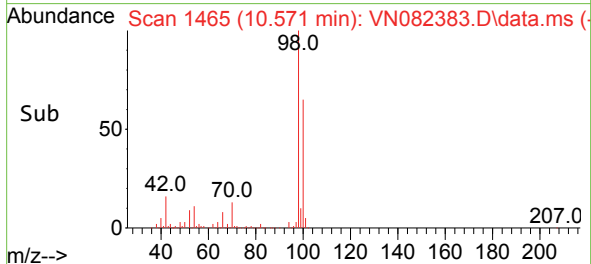
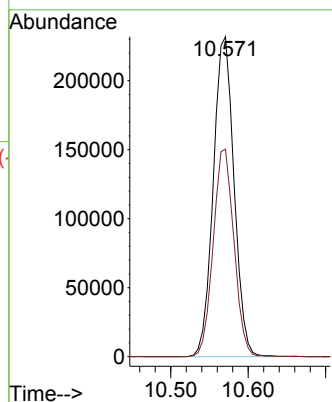
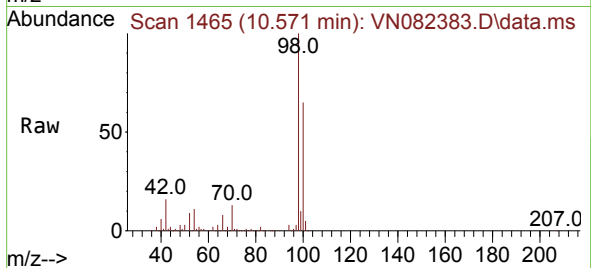




#50
Toluene-d8
Concen: 52.455 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

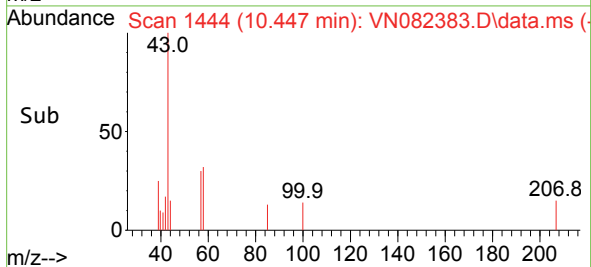
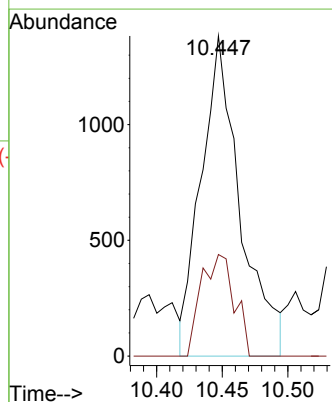
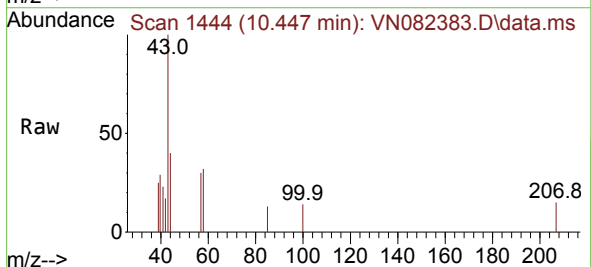
Instrument :
MSVOA_N
ClientSampleId :

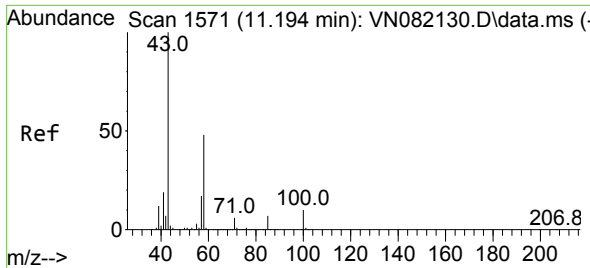
Tgt Ion: 98 Resp: 431453
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 0.708 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Tgt Ion: 43 Resp: 2871
Ion Ratio Lower Upper
43 100
58 27.0 33.2 49.8#

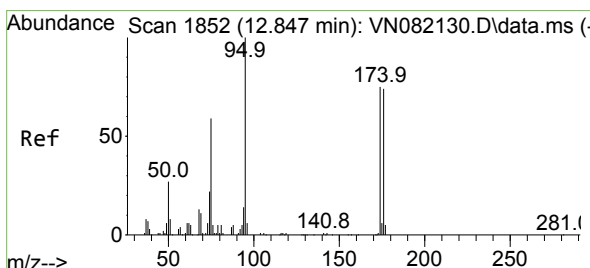
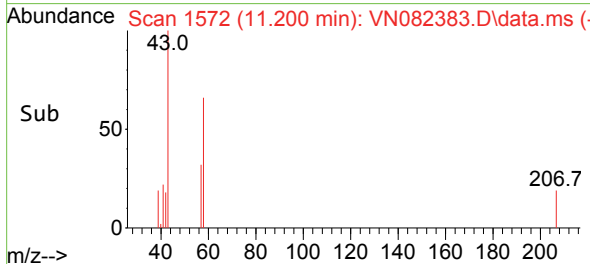
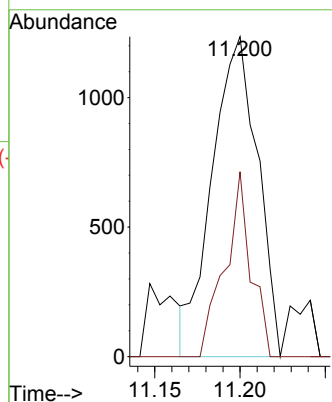
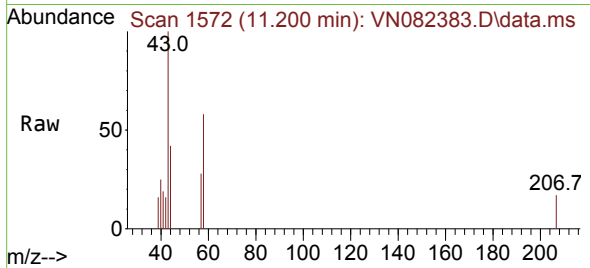




#59
2-Hexanone
Concen: 0.769 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

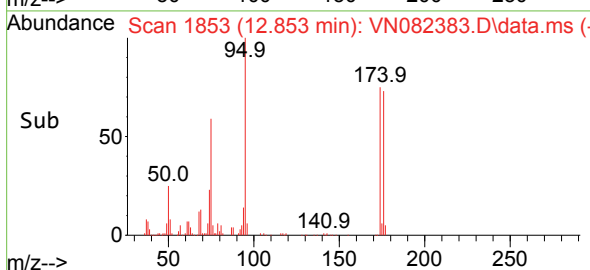
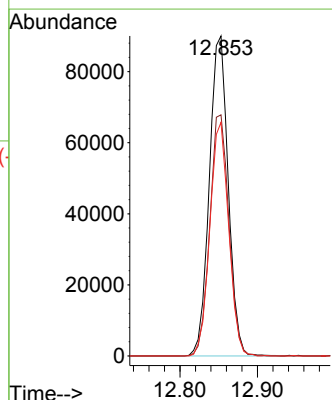
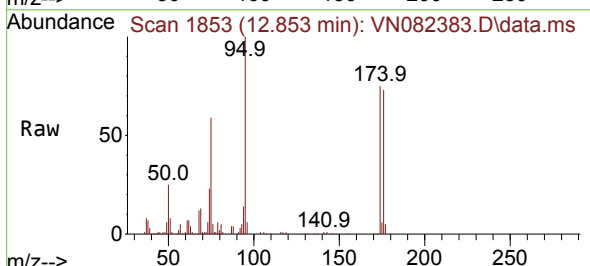
Instrument :
MSVOA_N
ClientSampleId :

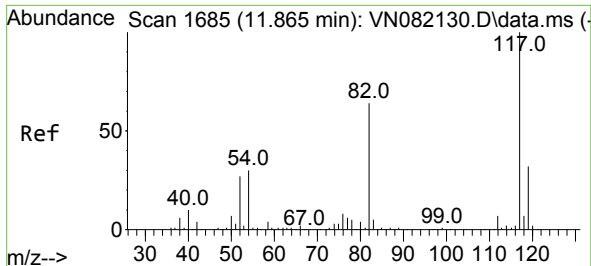
Tgt Ion: 43 Resp: 2282
Ion Ratio Lower Upper
43 100
58 33.1 28.3 84.9



#62
4-Bromofluorobenzene
Concen: 51.837 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Tgt Ion: 95 Resp: 152181
Ion Ratio Lower Upper
95 100
174 76.6 0.0 160.6
176 72.6 0.0 152.8

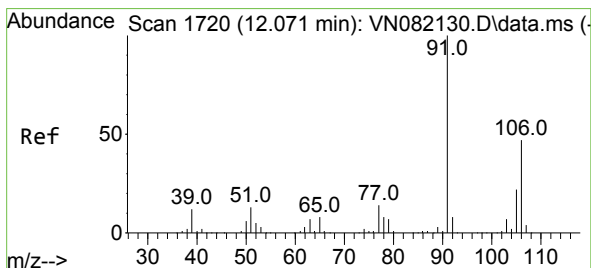
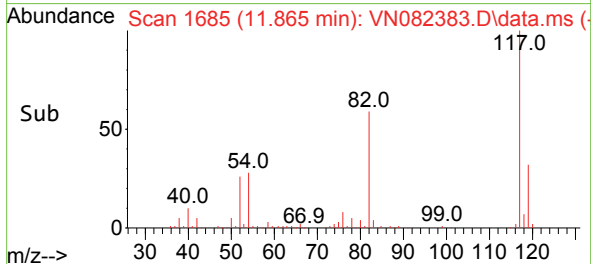
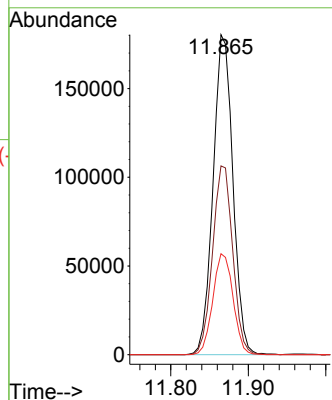
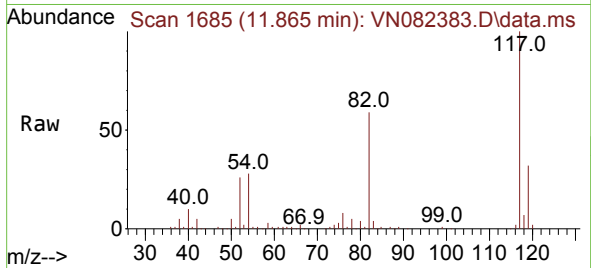




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

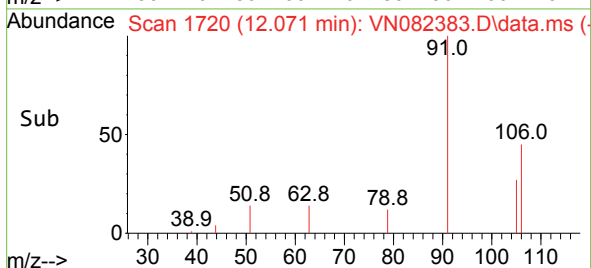
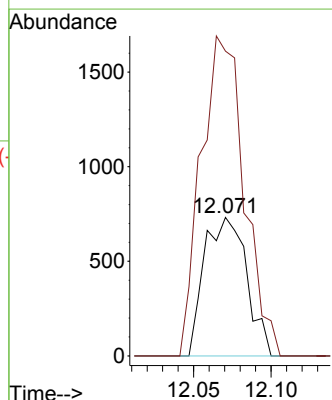
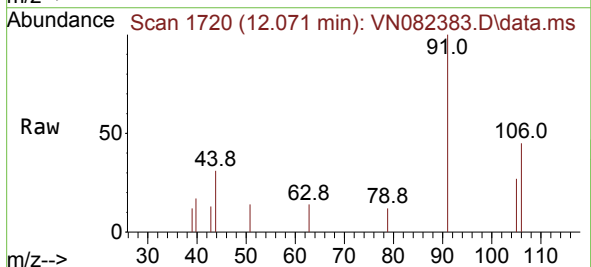
Instrument :
MSVOA_N
ClientSampleId :

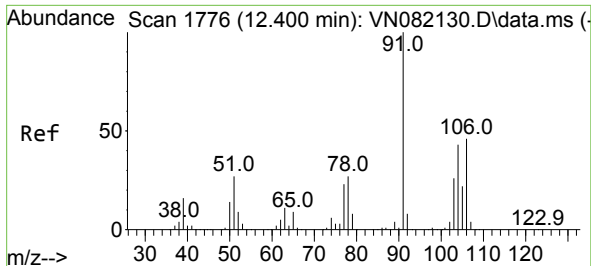
Tgt Ion:117 Resp: 320381
Ion Ratio Lower Upper
117 100
82 59.0 44.6 66.8
119 31.6 25.9 38.9



#68
m/p-Xylenes
Concen: 0.299 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

Tgt Ion:106 Resp: 1388
Ion Ratio Lower Upper
106 100
91 236.1 159.4 239.0

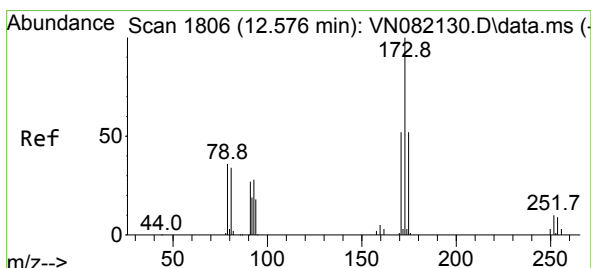
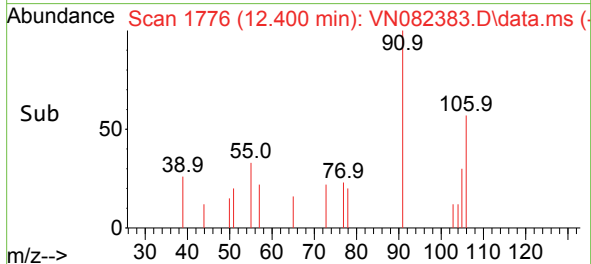
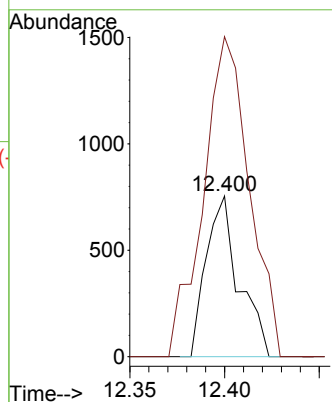
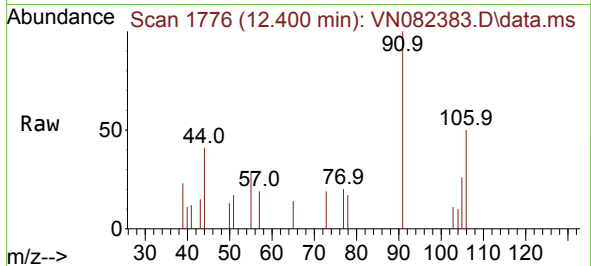




#69
o-Xylene
Concen: 0.202 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

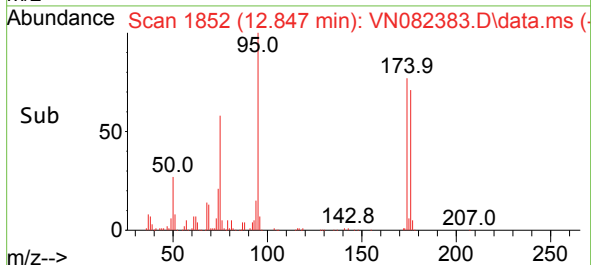
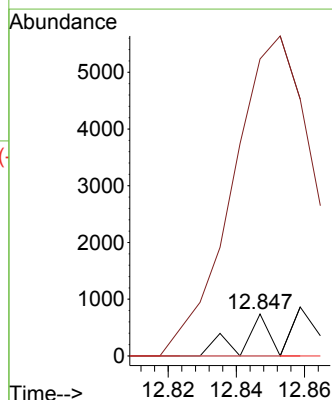
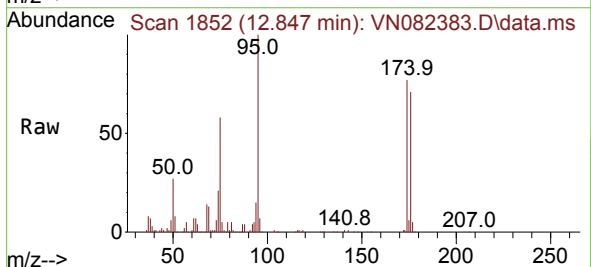
Instrument :
MSVOA_N
ClientSampleId :

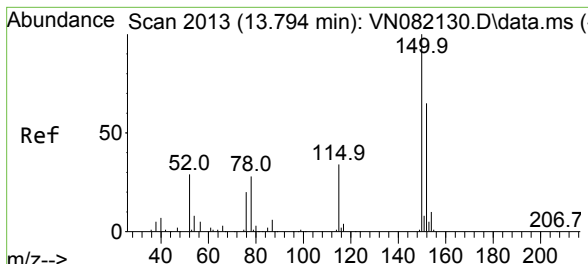
Tgt Ion:106 Resp: 909
Ion Ratio Lower Upper
106 100
91 279.4 104.7 314.1



#71
Bromoform
Concen: 0.914 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN082383.D
Acq: 29 May 2024 20:18

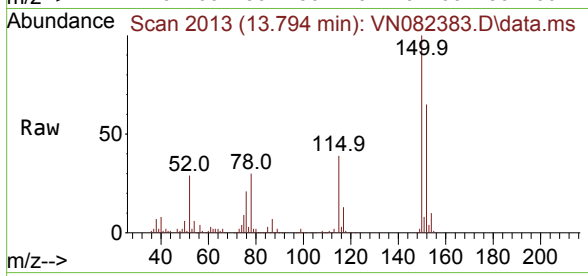
Tgt Ion:173 Resp: 401
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0





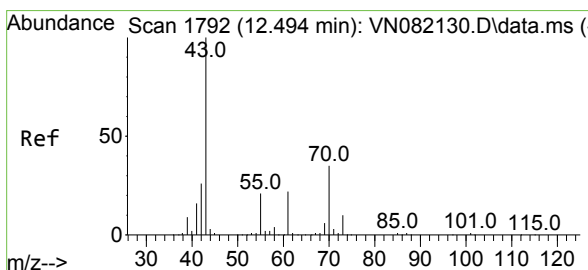
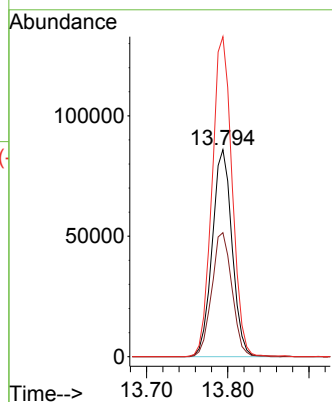
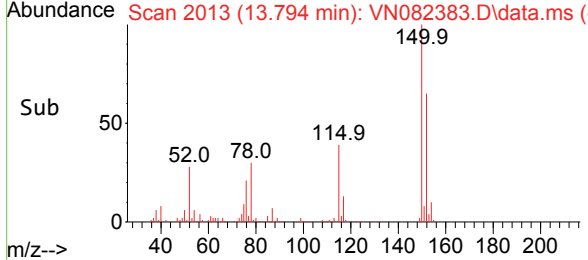
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082383.D
 Acq: 29 May 2024 20:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:152 Resp: 145705

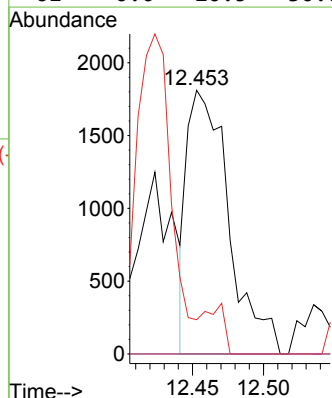
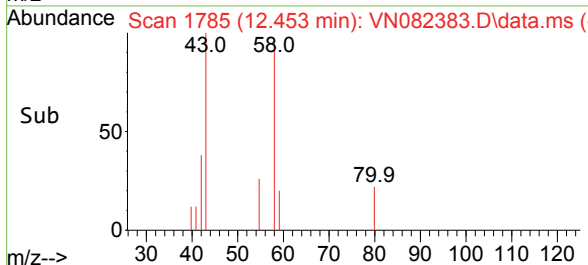
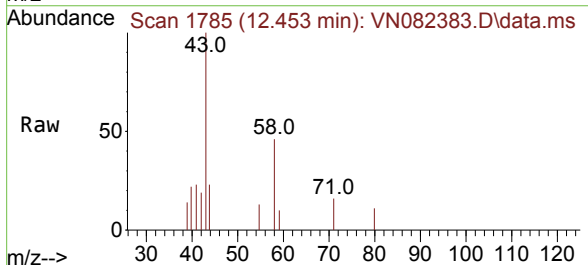
Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.4	91.3
150	156.2	0.0	353.2

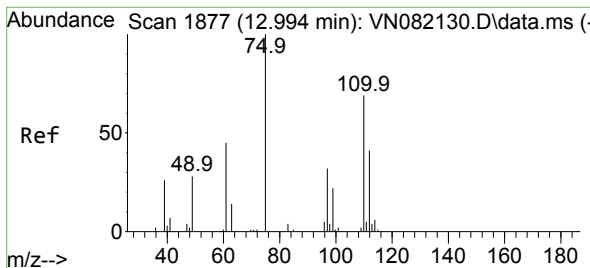


#74
 N-amy1 acetate
 Concen: 0.581 ug/l
 RT: 12.453 min Scan# 1785
 Delta R.T. -0.041 min
 Lab File: VN082383.D
 Acq: 29 May 2024 20:18

Tgt Ion: 43 Resp: 3699

Ion	Ratio	Lower	Upper
43	100		
70	0.0	39.0	58.4#
55	8.7	21.3	31.9#
61	0.0	20.5	30.7#





#76

1,2,3-Trichloropropane

Concen: 29.217 ug/l

RT: 12.853 min Scan# 11

Delta R.T. -0.141 min

Lab File: VN082383.D

Acq: 29 May 2024 20:18

Instrument :

MSVOA_N

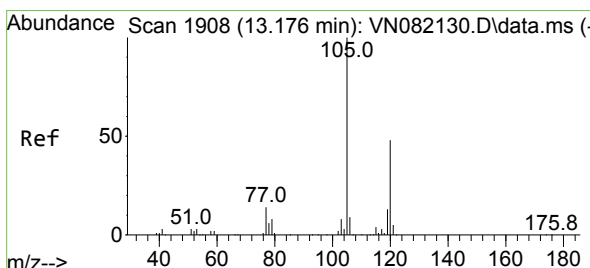
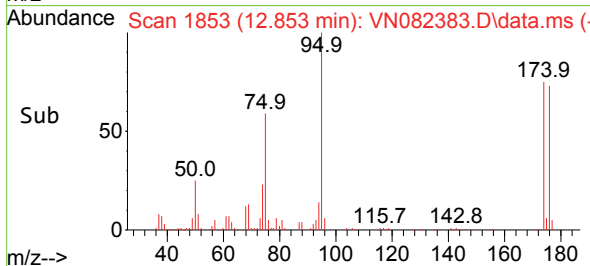
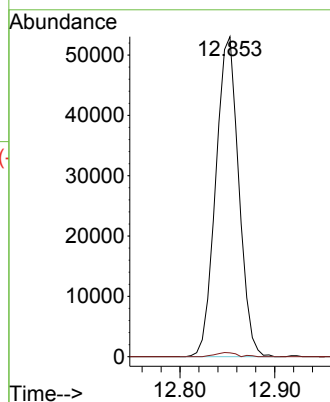
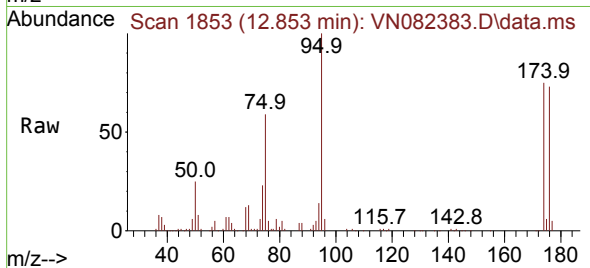
ClientSampleId :

Tgt Ion: 75 Resp: 89601

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#



#80

1,3,5-Trimethylbenzene

Concen: 0.220 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VN082383.D

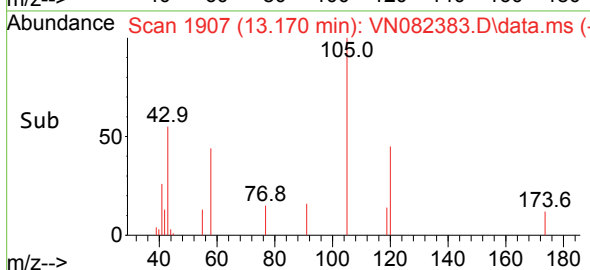
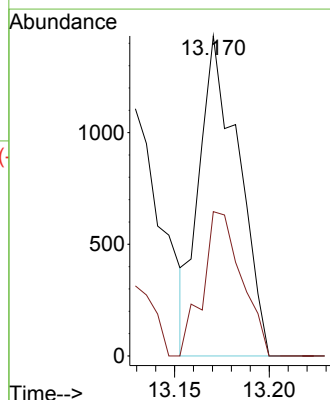
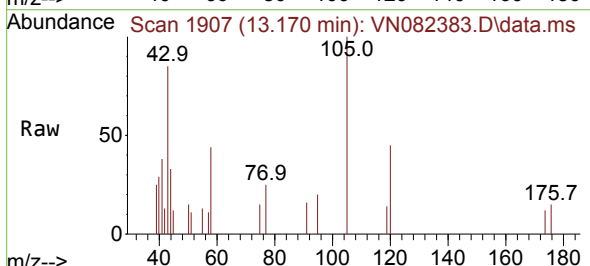
Acq: 29 May 2024 20:18

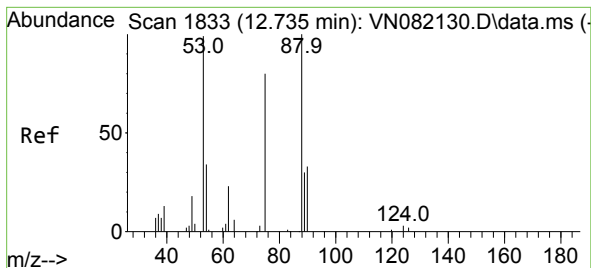
Tgt Ion: 105 Resp: 2061

Ion Ratio Lower Upper

105 100

120 44.7 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 68.337 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

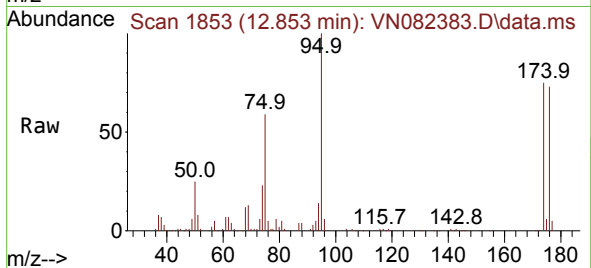
Lab File: VN082383.D

Acq: 29 May 2024 20:18

Instrument :

MSVOA_N

ClientSampleId :



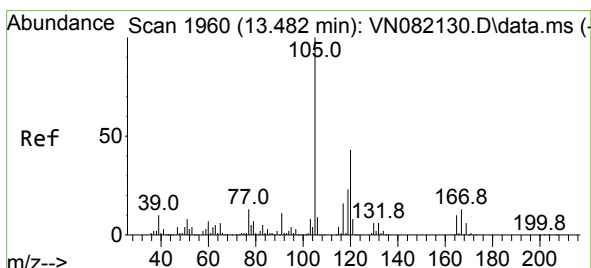
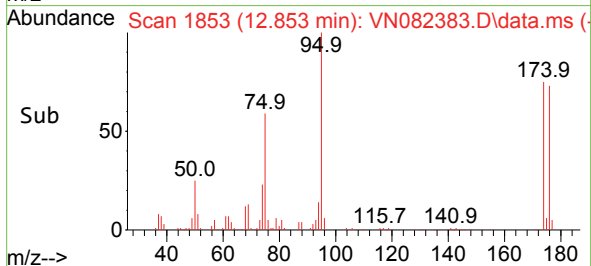
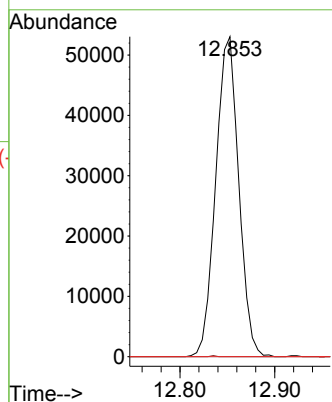
Tgt Ion: 75 Resp: 89601

Ion Ratio Lower Upper

75 100

53 0.1 72.9 109.3#

89 0.0 39.1 58.7#



#84

1,2,4-Trimethylbenzene

Concen: 1.021 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN082383.D

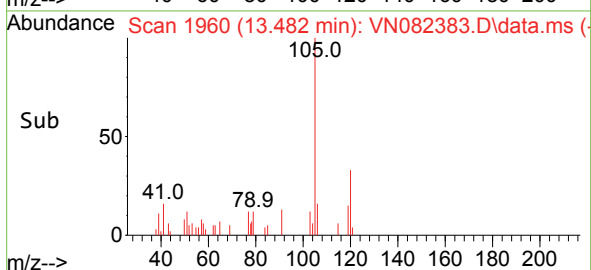
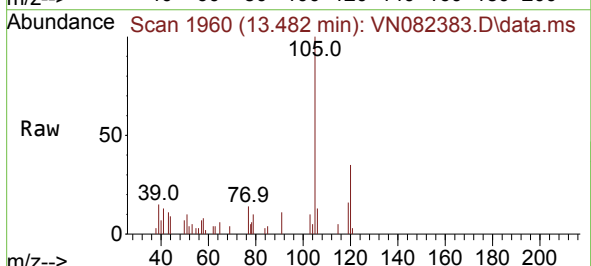
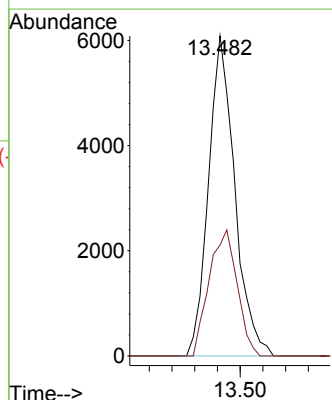
Acq: 29 May 2024 20:18

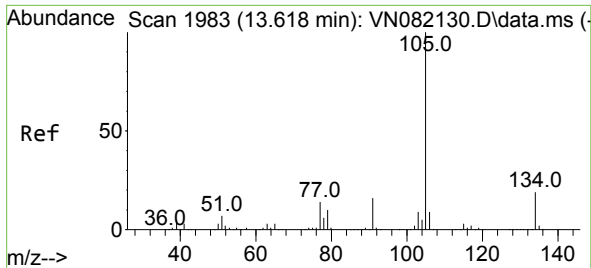
Tgt Ion: 105 Resp: 9774

Ion Ratio Lower Upper

105 100

120 42.1 22.9 68.7

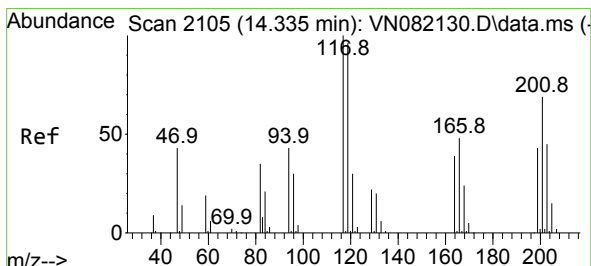
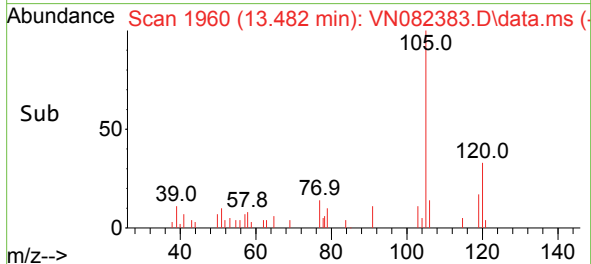
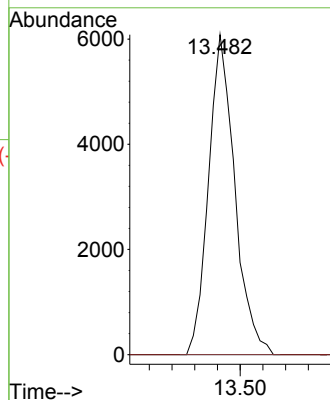
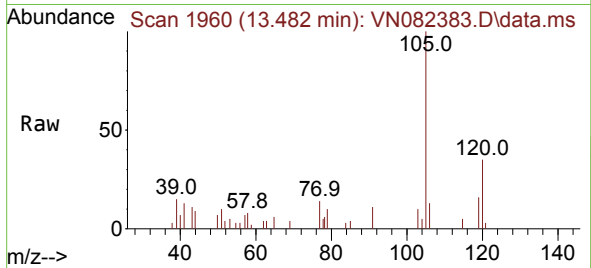




#85
 sec-Butylbenzene
 Concen: 0.861 ug/l
 RT: 13.482 min Scan# 1983
 Delta R.T. -0.135 min
 Lab File: VN082383.D
 Acq: 29 May 2024 20:18

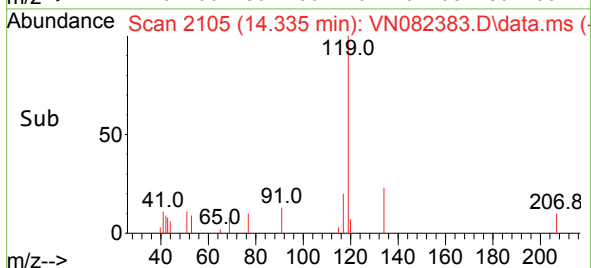
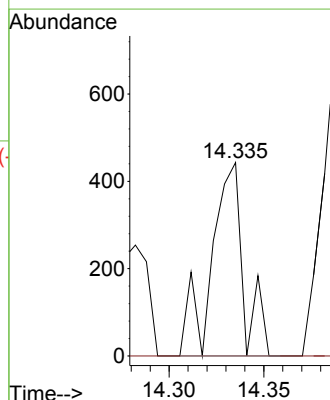
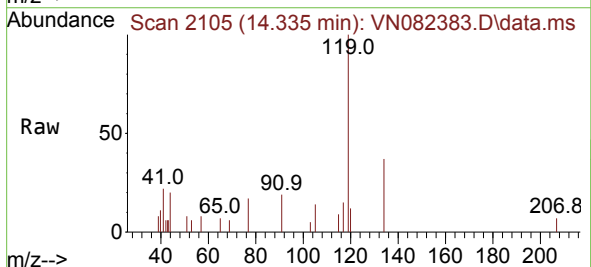
Instrument :
 MSVOA_N
 ClientSampleId :

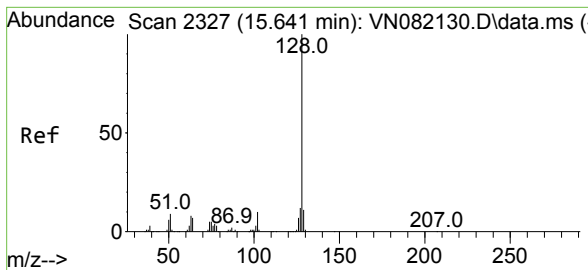
Tgt Ion:105 Resp: 9774
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#90
 Hexachloroethane
 Concen: 0.305 ug/l
 RT: 14.335 min Scan# 2105
 Delta R.T. -0.000 min
 Lab File: VN082383.D
 Acq: 29 May 2024 20:18

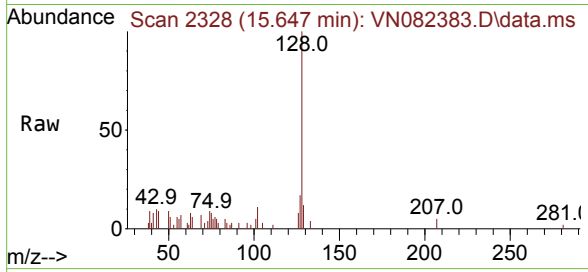
Tgt Ion:117 Resp: 521
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.3 99.8#





#95
 Naphthalene
 Concen: 1.786 ug/l
 RT: 15.647 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN082383.D
 Acq: 29 May 2024 20:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	14840
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.1	15.1
129	13.7	8.9	13.3

