

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050124\
 Data File : VN081956.D
 Acq On : 01 May 2024 15:02
 Operator : JC\MD
 Sample : P2306-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 02 01:39:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

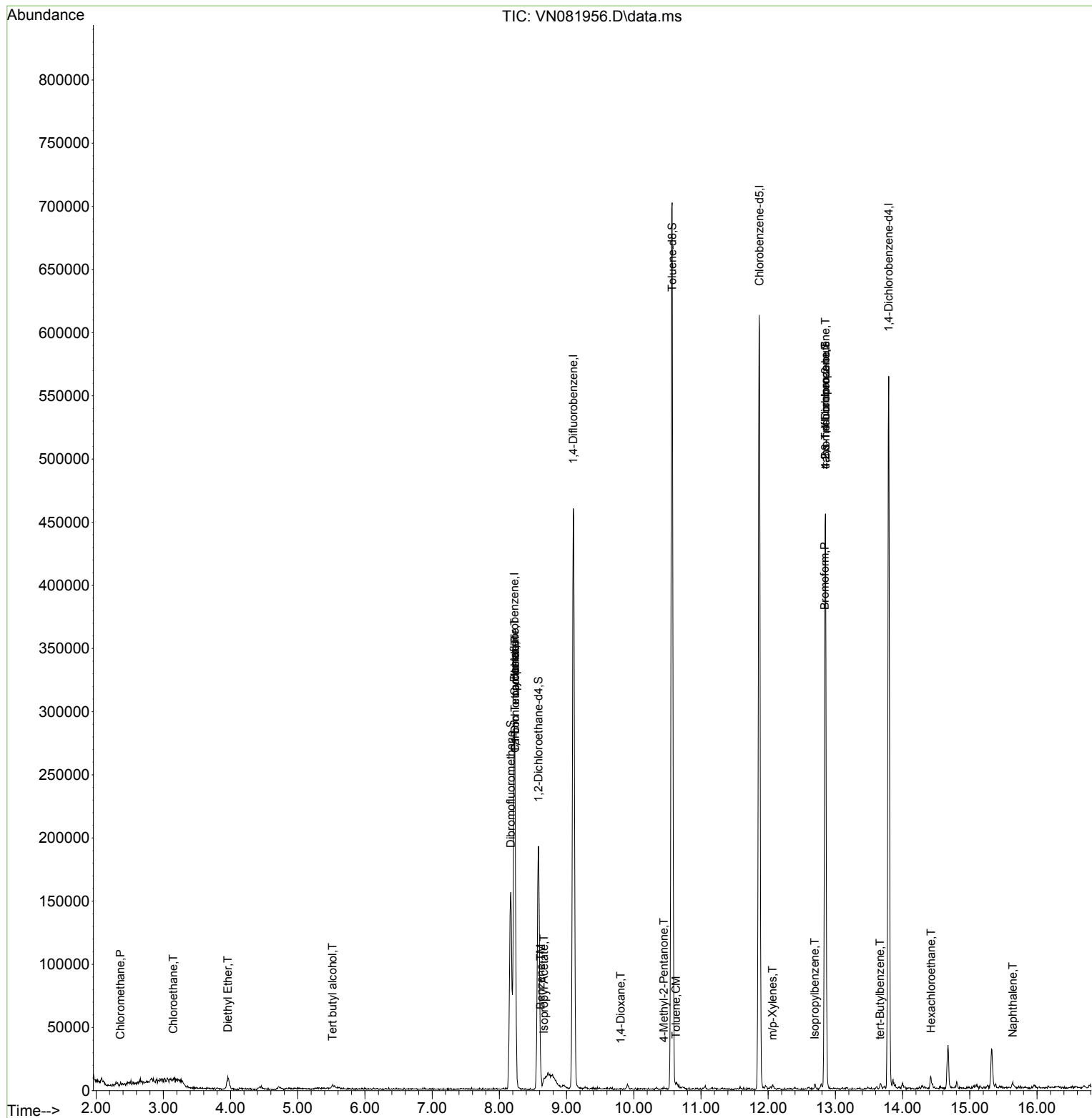
Internal Standards						
1) Pentafluorobenzene	8.224	168	199475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	396150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	342018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	137239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	149981	44.550	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.100%		
35) Dibromofluoromethane	8.171	113	115379	48.374	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.740%		
50) Toluene-d8	10.571	98	482875	51.548	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.100%		
62) 4-Bromofluorobenzene	12.853	95	165819	44.779	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	89.560%		
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	689	0.236	ug/l	97
5) Bromomethane	2.942	94	59	Below Cal	#	3
6) Chloroethane	3.148	64	352	0.263	ug/l	98
8) Diethyl Ether	3.959	74	4766	2.743	ug/l	67
11) Tert butyl alcohol	5.518	59	3715	6.070	ug/l	# 75
13) Acrolein	4.177	56	136	Below Cal	#	15
16) Acetone	4.436	43	2037	Below Cal	#	78
31) Cyclohexane	8.230	56	5556	1.096	ug/l	# 34
36) 1,1-Dichloropropene	8.235	75	18489	4.765	ug/l	# 48
38) Carbon Tetrachloride	8.235	117	22652	5.973	ug/l	# 14
40) Benzene	8.612	78	7094	0.609	ug/l	# 72
43) Isopropyl Acetate	8.665	43	3814	0.483	ug/l	# 52
49) 1,4-Dioxane	9.806	88	58	1.013	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.447	43	1151	0.259	ug/l	# 34
52) Toluene	10.629	92	1573	0.225	ug/l	94
68) m/p-Xylenes	12.065	106	1232	0.249	ug/l	77
71) Bromoform	12.841	173	472	0.247	ug/l	# 28
73) Isopropylbenzene	12.694	105	2589	0.212	ug/l	94
76) 1,2,3-Trichloropropane	12.853	75	89028	25.020	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	89028	51.269	ug/l	# 12
83) tert-Butylbenzene	13.665	119	2642	0.307	ug/l	# 52
90) Hexachloroethane	14.423	117	545	0.285	ug/l	# 17
95) Naphthalene	15.641	128	4567	0.473	ug/l	# 81

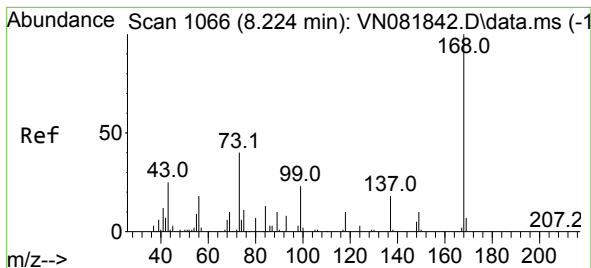
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081956.D

Acq: 01 May 2024 15:02

Instrument :

MSVOA_N

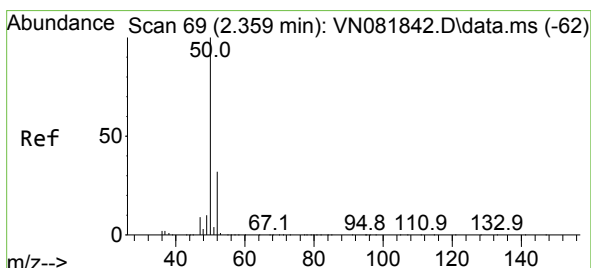
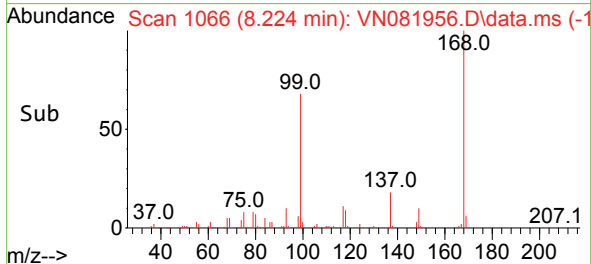
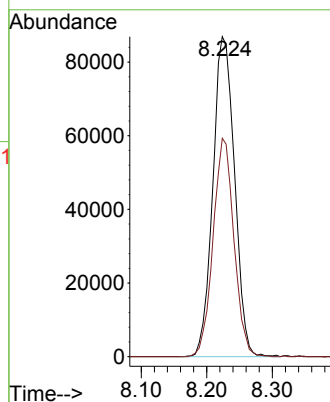
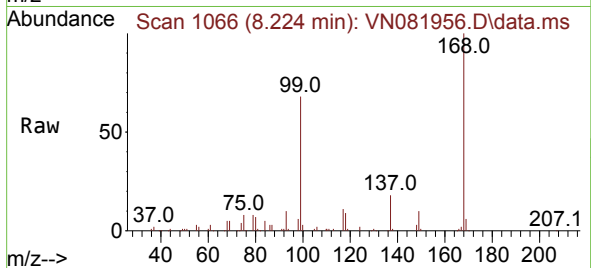
ClientSampleId :

Tgt Ion:168 Resp: 199475

Ion Ratio Lower Upper

168 100

99 68.3 48.2 72.4



#3

Chloromethane

Concen: 0.236 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN081956.D

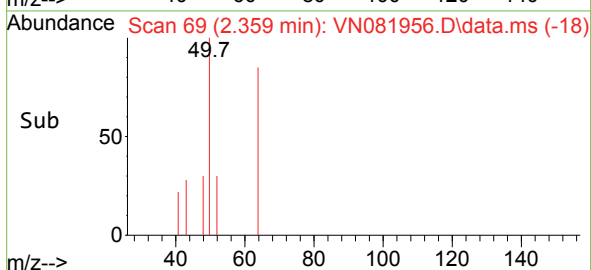
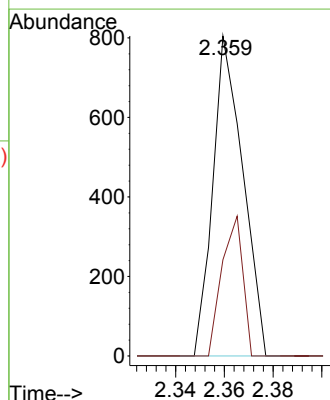
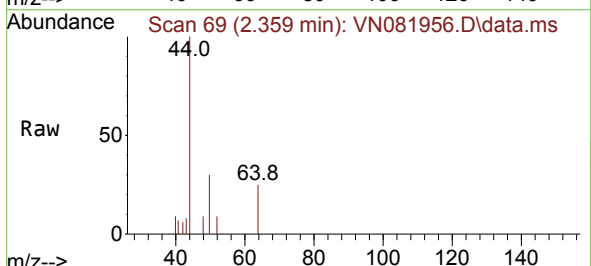
Acq: 01 May 2024 15:02

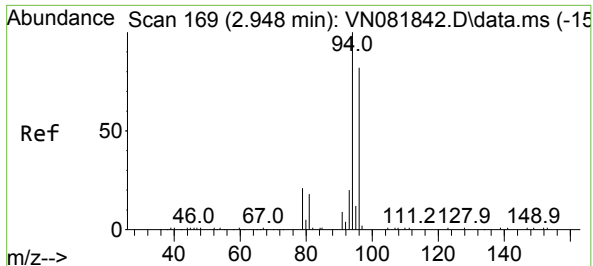
Tgt Ion: 50 Resp: 689

Ion Ratio Lower Upper

50 100

52 30.1 25.5 38.3

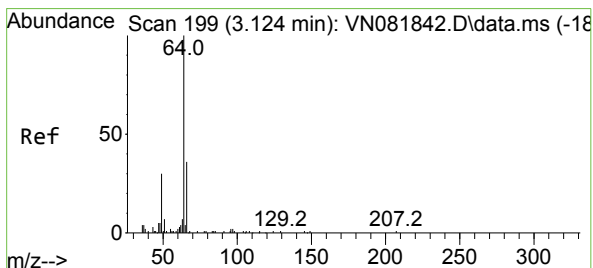
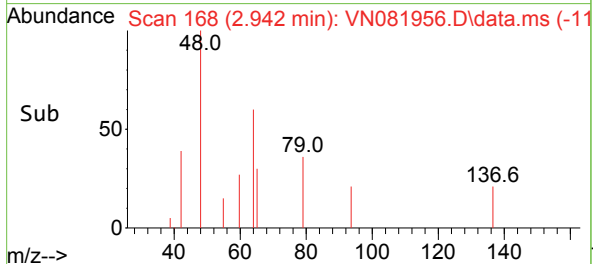
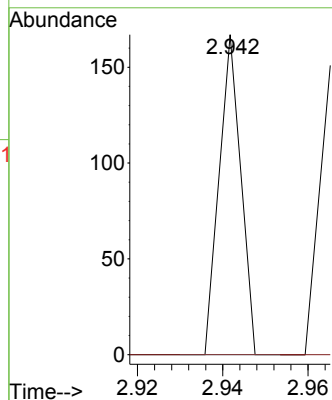
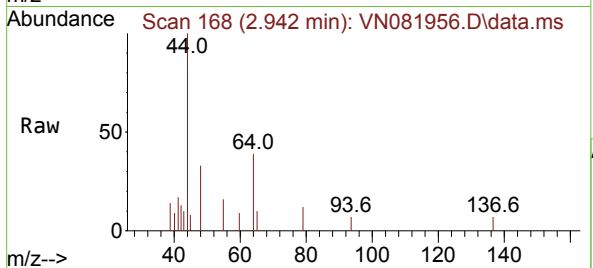




#5
Bromomethane
Concen: Below Cal
RT: 2.942 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

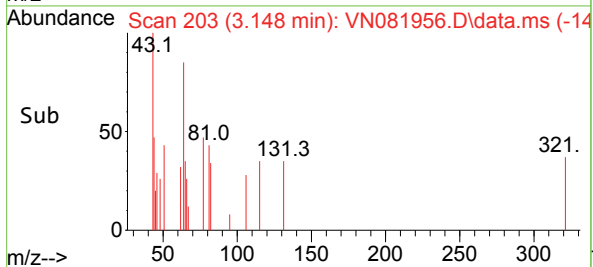
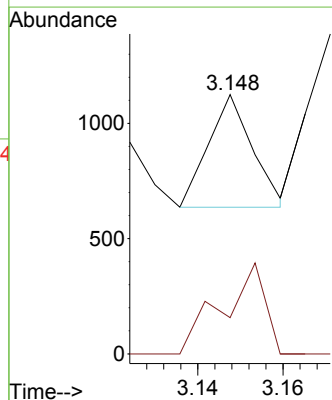
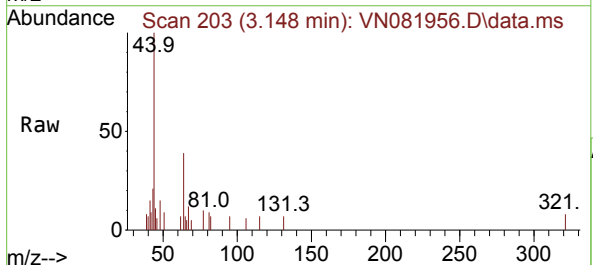
Instrument :
MSVOA_N
ClientSampleId :

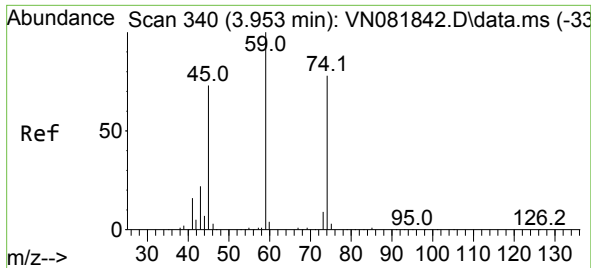
Tgt Ion: 94 Resp: 59
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#6
Chloroethane
Concen: 0.263 ug/l
RT: 3.148 min Scan# 203
Delta R.T. 0.024 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Tgt Ion: 64 Resp: 352
Ion Ratio Lower Upper
64 100
66 32.1 24.7 37.1

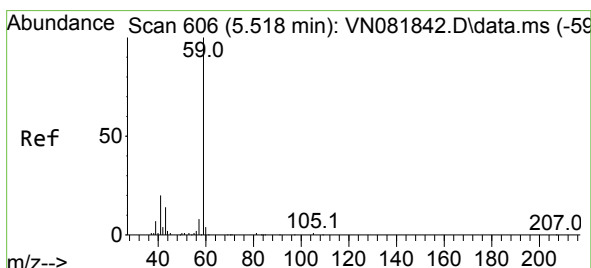
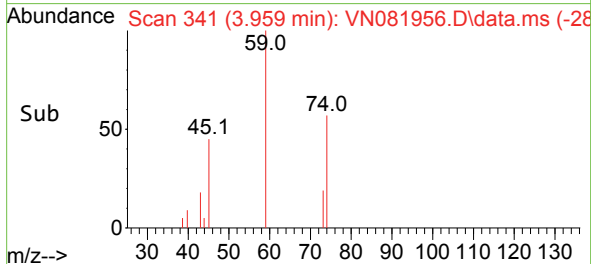
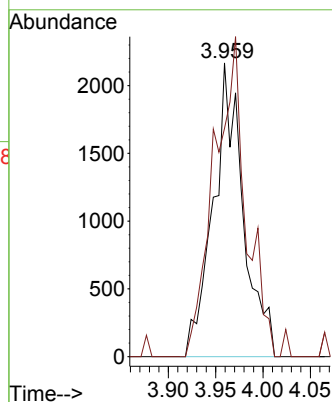
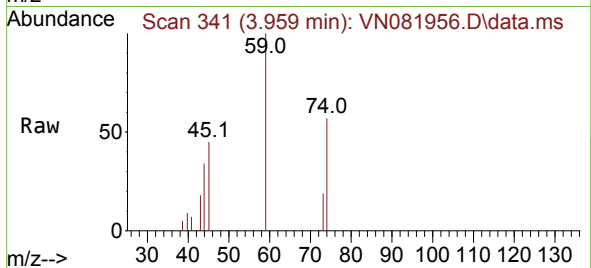




#8
Diethyl Ether
Concen: 2.743 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

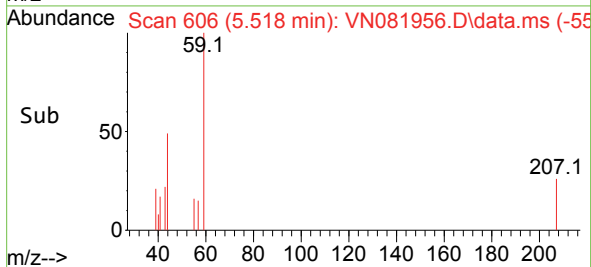
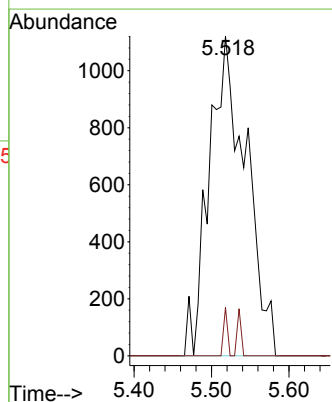
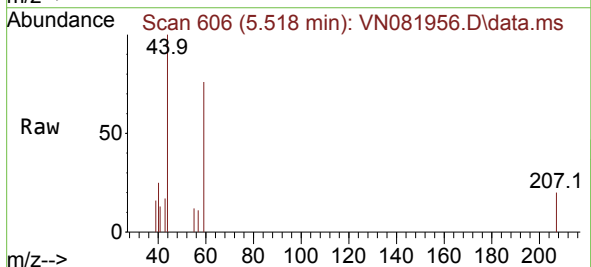
Instrument :
MSVOA_N
ClientSampleId :

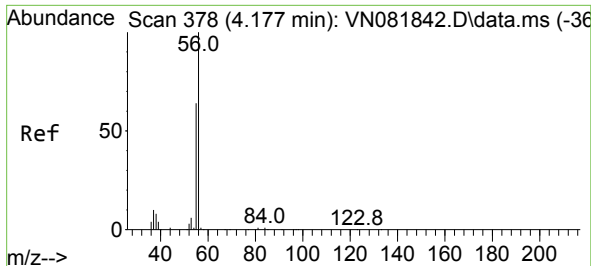
Tgt Ion: 74 Resp: 4766
Ion Ratio Lower Upper
74 100
45 115.4 42.4 127.3



#11
Tert butyl alcohol
Concen: 6.070 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Tgt Ion: 59 Resp: 3715
Ion Ratio Lower Upper
59 100
57 1.6 8.9 13.3#

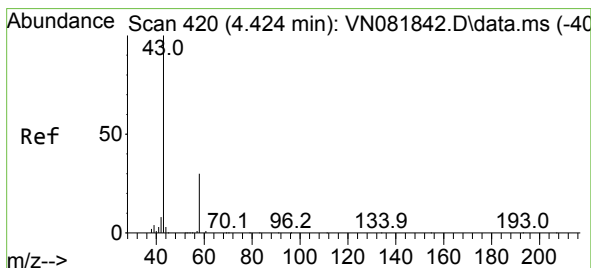
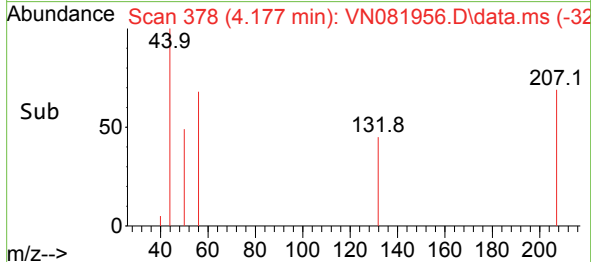
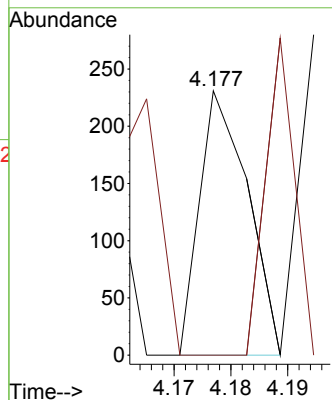
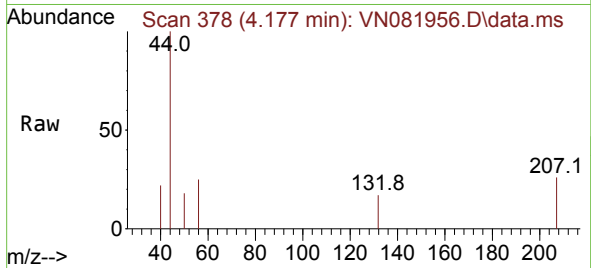




#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

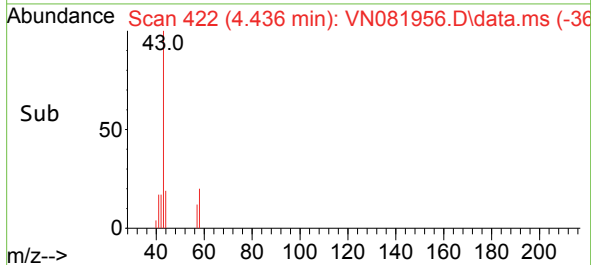
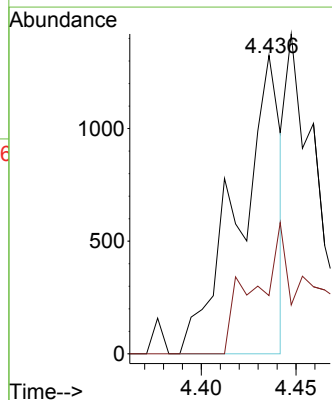
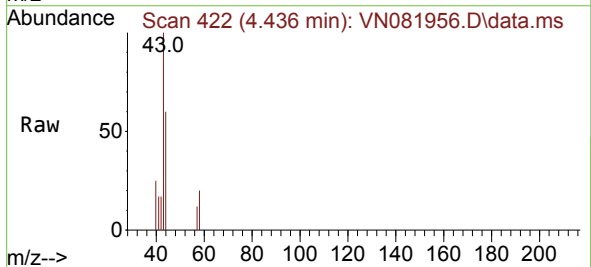
Instrument :
MSVOA_N
ClientSampleId :

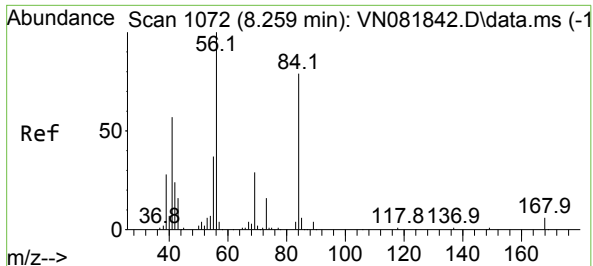
Tgt Ion: 56 Resp: 136
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

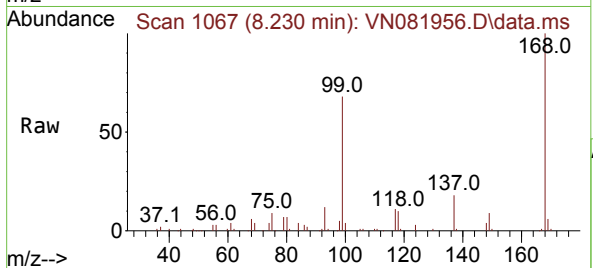
Tgt Ion: 43 Resp: 2037
Ion Ratio Lower Upper
43 100
58 19.5 25.2 37.8#



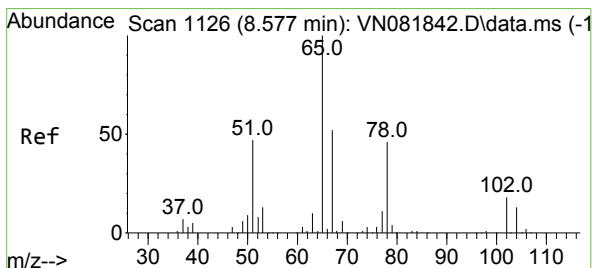
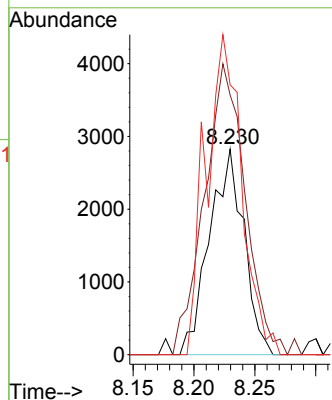
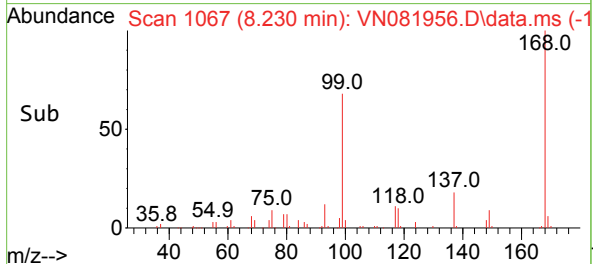


#31
Cyclohexane
Concen: 1.096 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Instrument :
MSVOA_N
ClientSampleId :

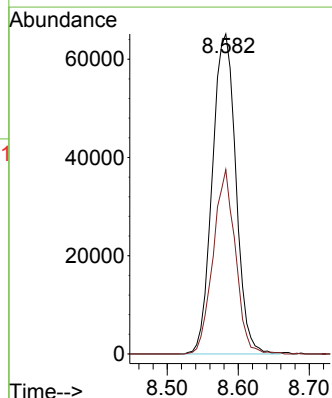
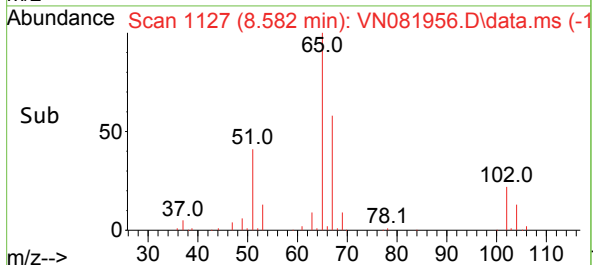
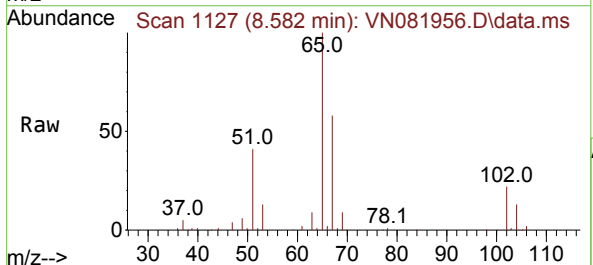


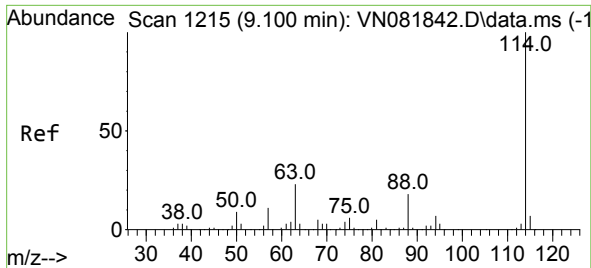
Tgt Ion: 56 Resp: 5556
Ion Ratio Lower Upper
56 100
69 118.7 24.4 36.6#
84 131.2 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 44.550 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Tgt Ion: 65 Resp: 149981
Ion Ratio Lower Upper
65 100
67 54.6 0.0 103.0

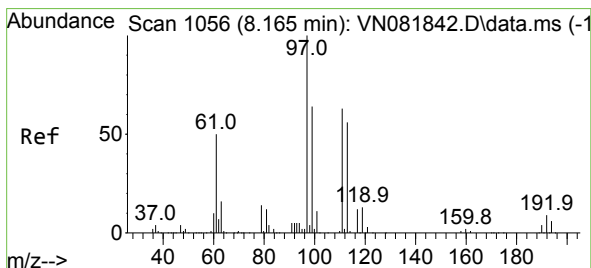
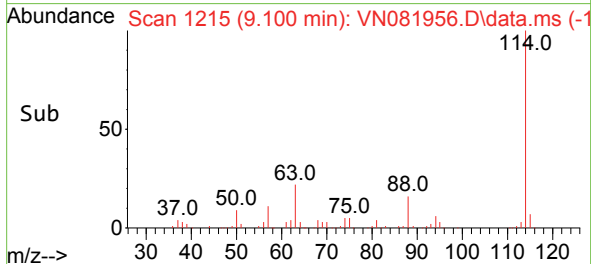
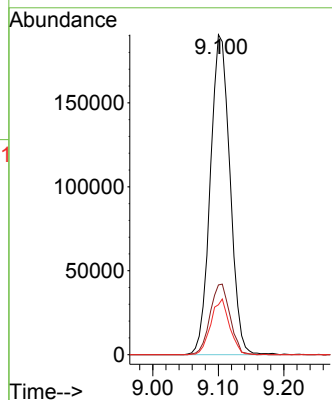
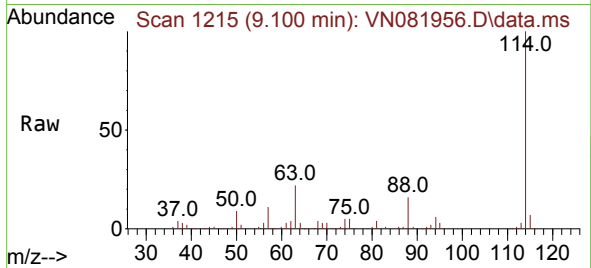




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

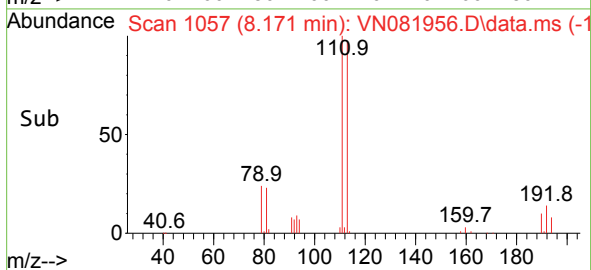
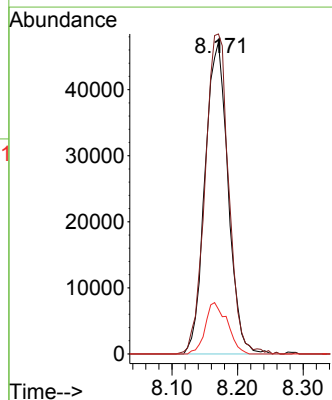
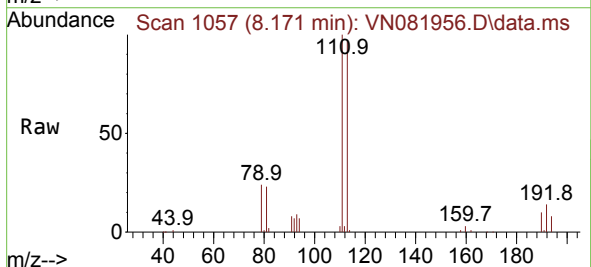
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MSVOA_N
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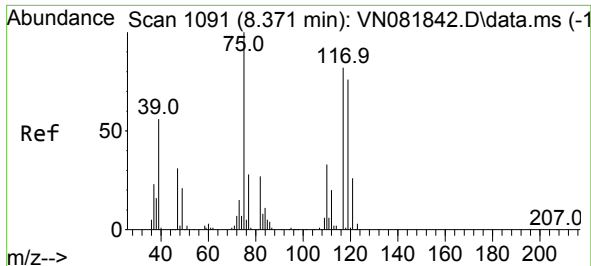
Tgt Ion:114 Resp: 396150
Ion Ratio Lower Upper
114 100
63 21.8 0.0 41.0
88 15.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 48.374 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Tgt Ion:113 Resp: 115379
Ion Ratio Lower Upper
113 100
111 105.1 83.4 125.2
192 15.8 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.765 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

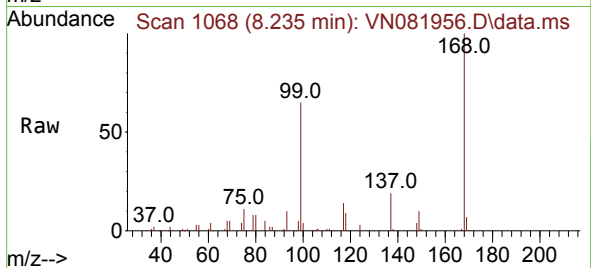
Lab File: VN081956.D

Acq: 01 May 2024 15:02

Instrument :

MSVOA_N

ClientSampleId :



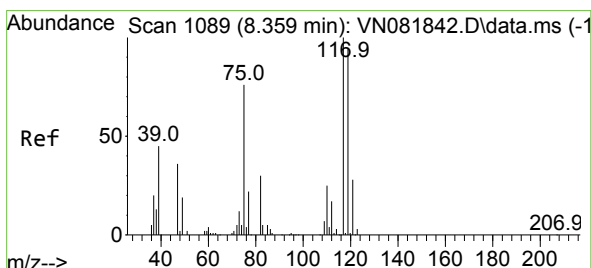
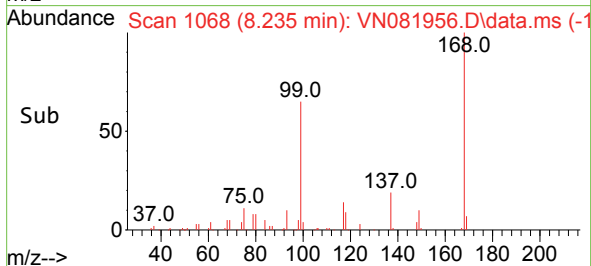
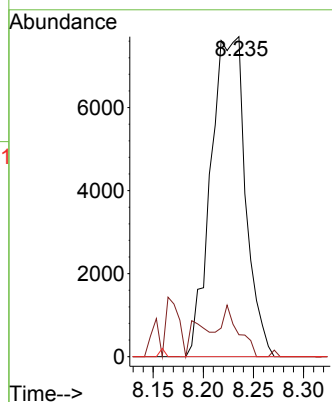
Tgt Ion: 75 Resp: 18489

Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.973 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.123 min

Lab File: VN081956.D

Acq: 01 May 2024 15:02

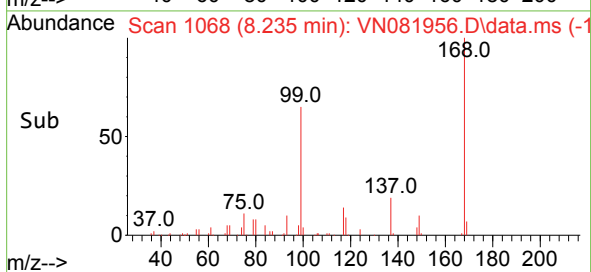
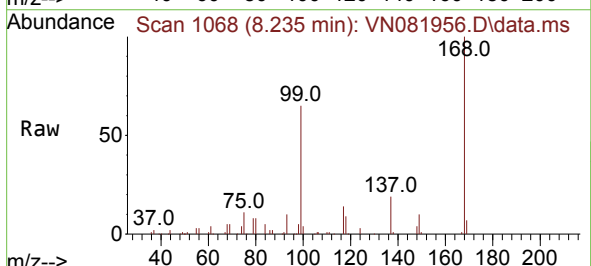
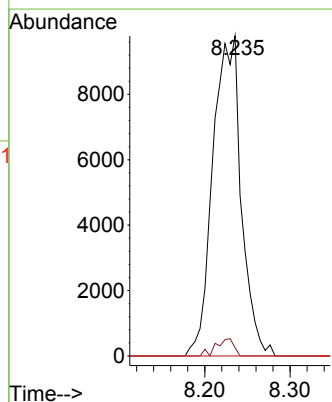
Tgt Ion: 117 Resp: 22652

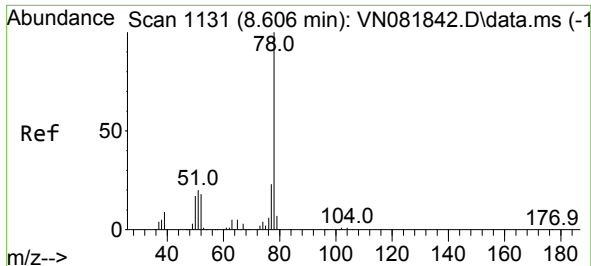
Ion Ratio Lower Upper

117 100

119 2.6 76.5 114.7#

121 0.0 23.9 35.9#

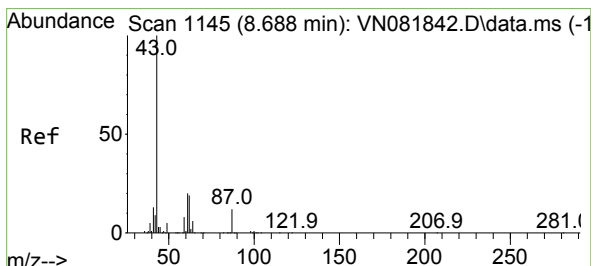
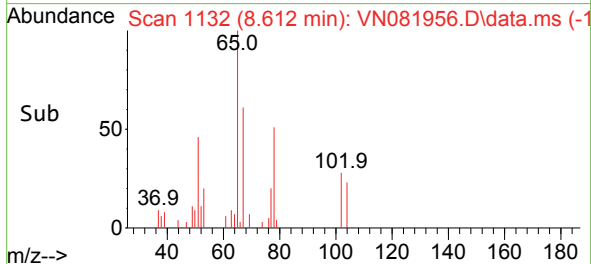
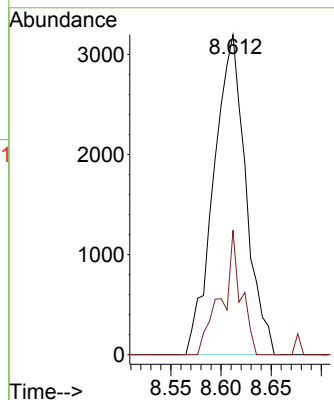
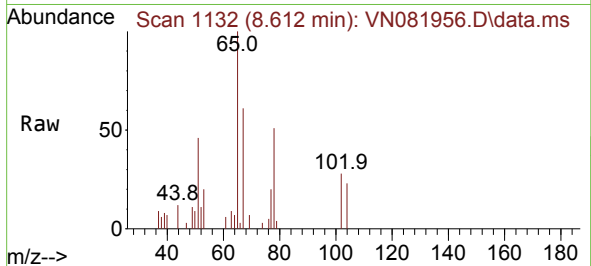




#40
Benzene
Concen: 0.609 ug/l
RT: 8.612 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

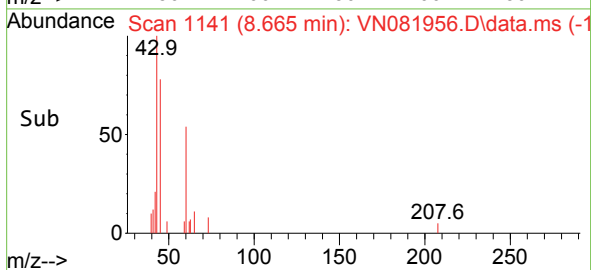
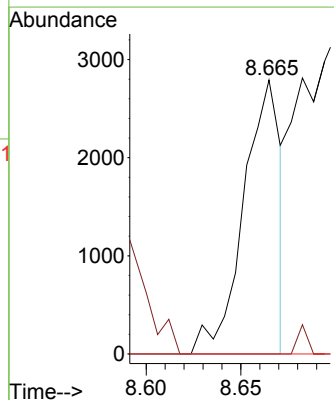
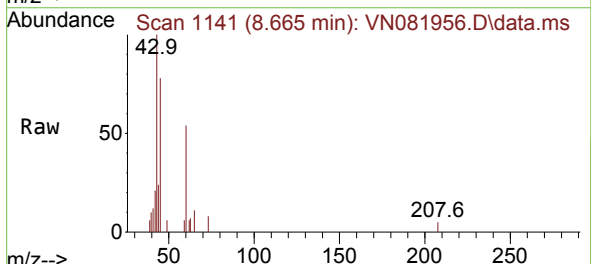
Instrument :
MSVOA_N
ClientSampleId :

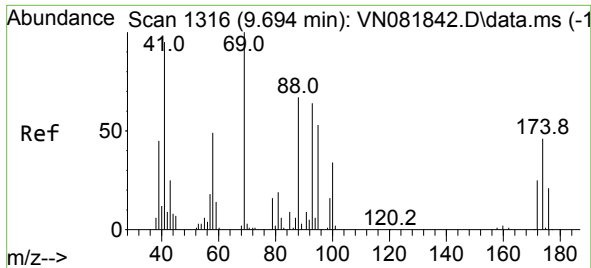
Tgt Ion: 78 Resp: 7094
Ion Ratio Lower Upper
78 100
77 38.9 20.0 30.0#



#43
Isopropyl Acetate
Concen: 0.483 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.023 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Tgt Ion: 43 Resp: 3814
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#





#49

1,4-Dioxane

Concen: 1.013 ug/l

RT: 9.806 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN081956.D

Acq: 01 May 2024 15:02

Instrument :

MSVOA_N

ClientSampleId :

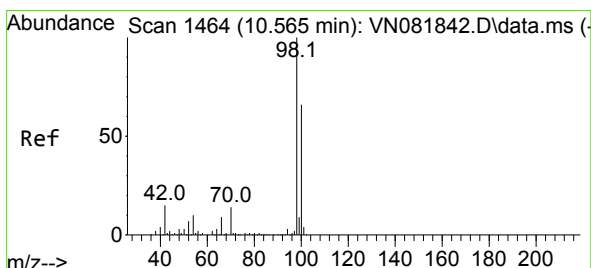
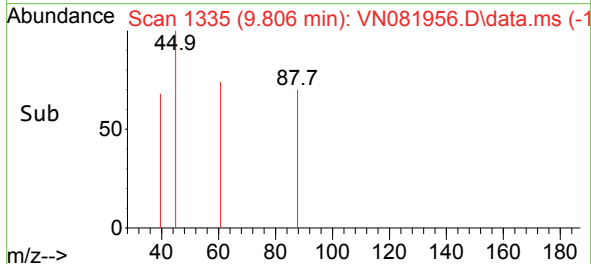
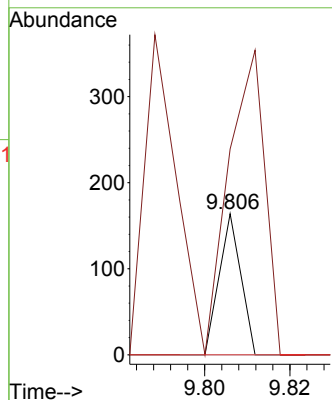
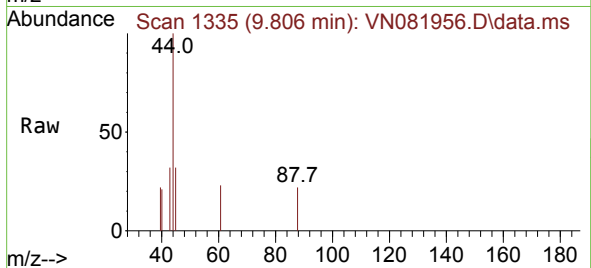
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 360.3 19.0 28.6#

58 0.0 50.6 76.0#



#50

Toluene-d8

Concen: 51.548 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081956.D

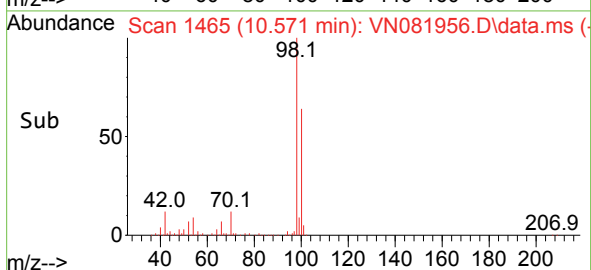
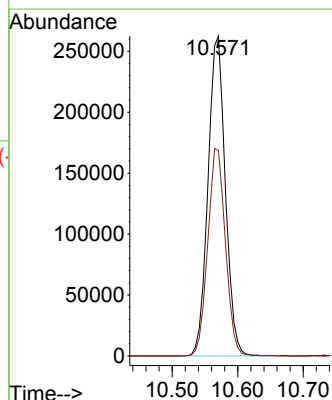
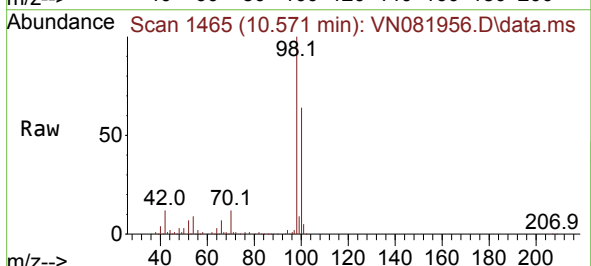
Acq: 01 May 2024 15:02

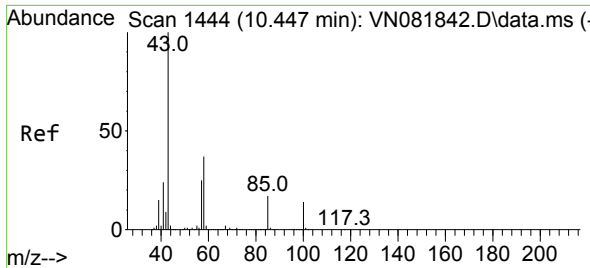
Tgt Ion: 98 Resp: 482875

Ion Ratio Lower Upper

98 100

100 66.0 51.8 77.6

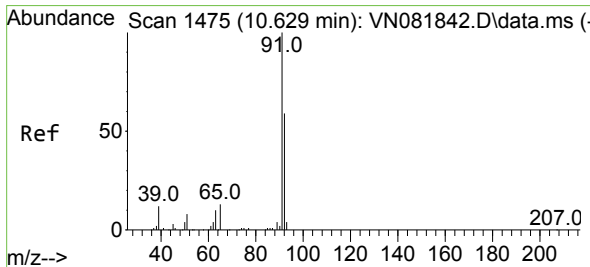
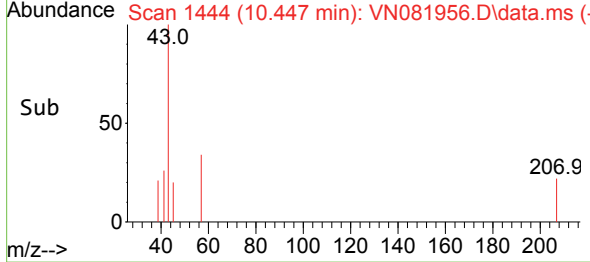
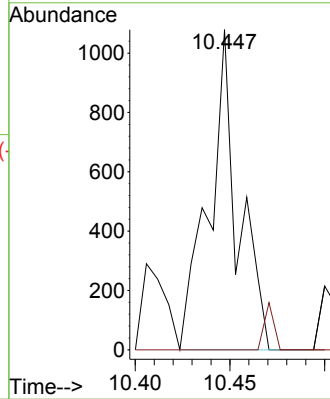
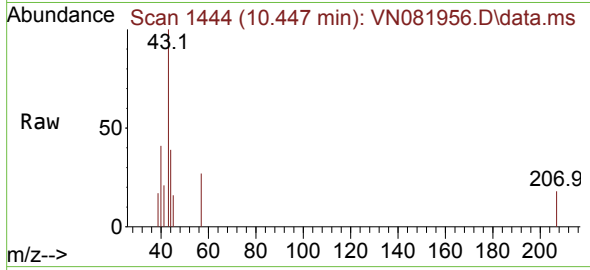




#51
4-Methyl-2-Pentanone
Concen: 0.259 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

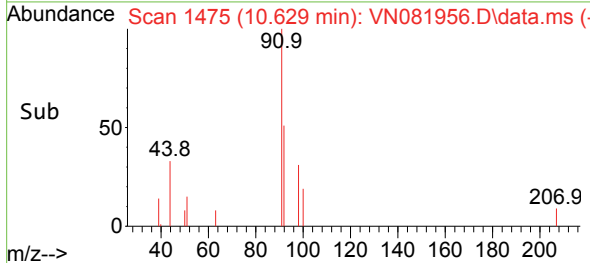
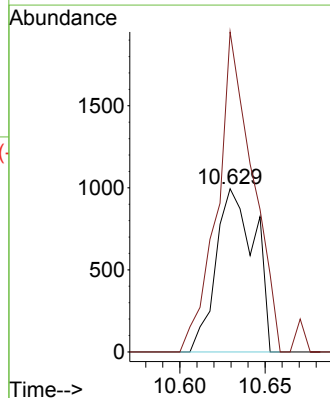
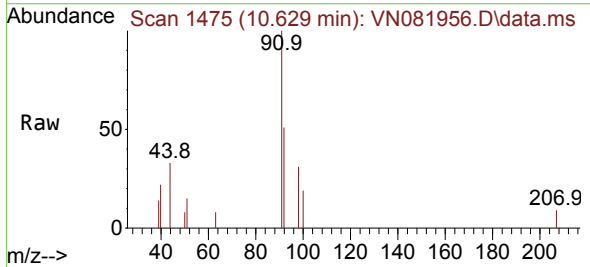
Instrument :
MSVOA_N
ClientSampleId :

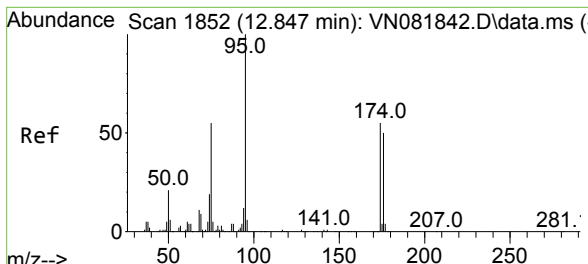
Tgt Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
58 0.0 33.2 49.8#



#52
Toluene
Concen: 0.225 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Tgt Ion: 92 Resp: 1573
Ion Ratio Lower Upper
92 100
91 179.4 136.7 205.1

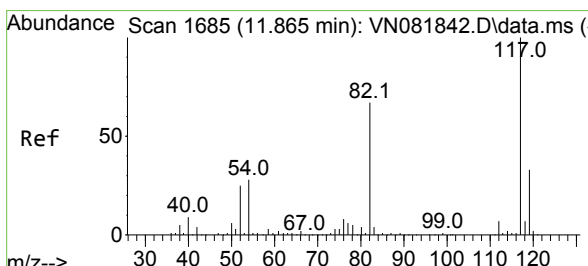
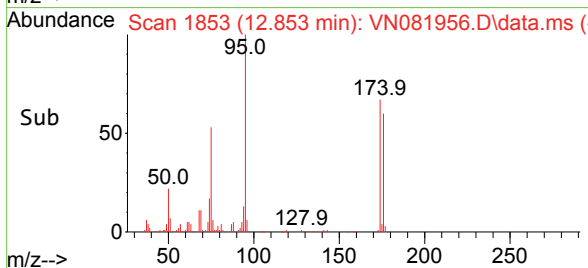
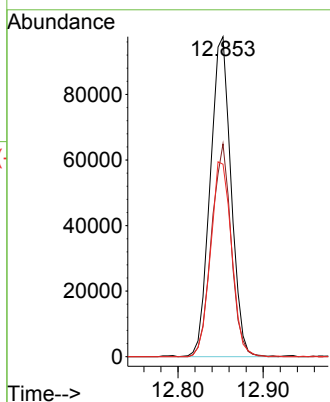
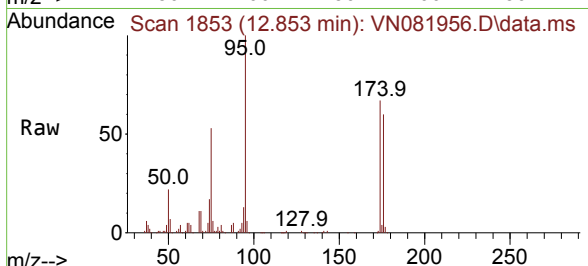




#62
4-Bromofluorobenzene
Concen: 44.779 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

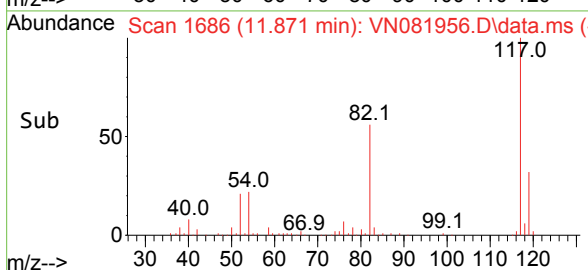
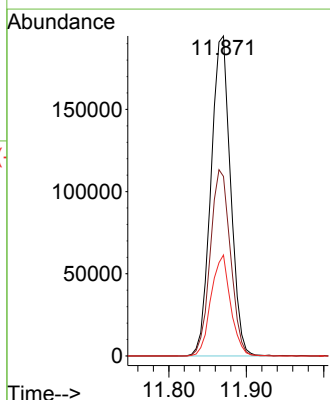
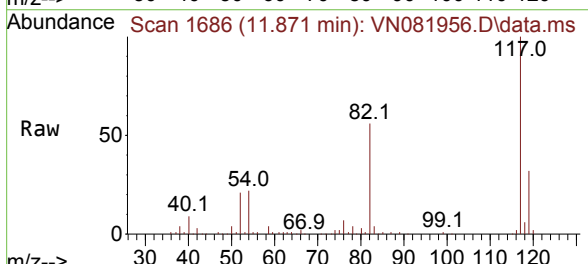
Instrument :
MSVOA_N
ClientSampleId :

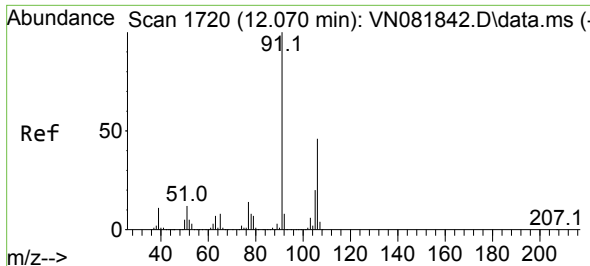
Tgt Ion: 95 Resp: 165819
Ion Ratio Lower Upper
95 100
174 63.0 0.0 160.6
176 61.4 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Tgt Ion: 117 Resp: 342018
Ion Ratio Lower Upper
117 100
82 56.1 44.6 66.8
119 31.5 25.9 38.9

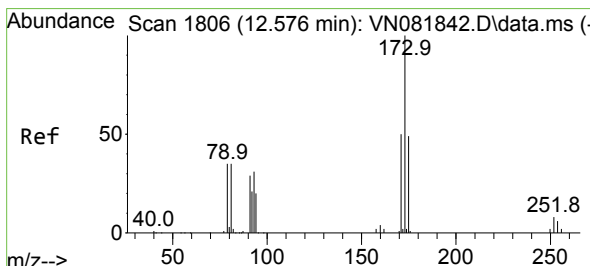
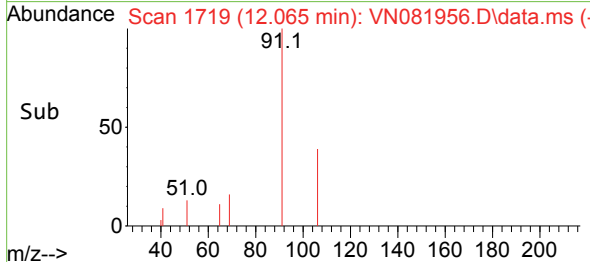
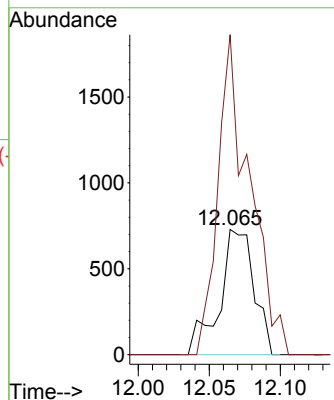
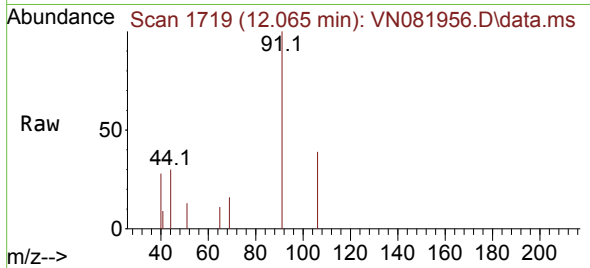




#68
m/p-Xylenes
Concen: 0.249 ug/l
RT: 12.065 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

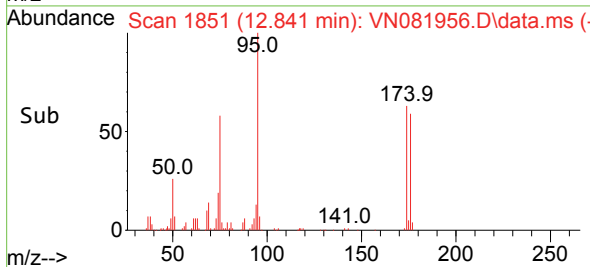
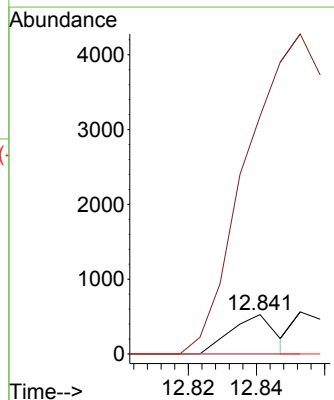
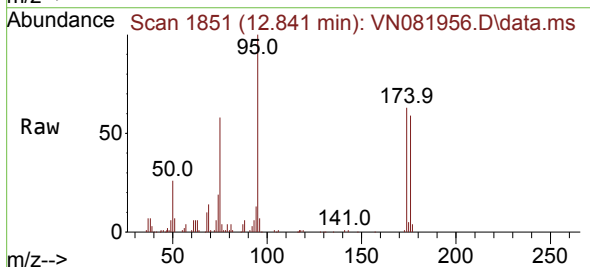
Instrument :
MSVOA_N
ClientSampleId :

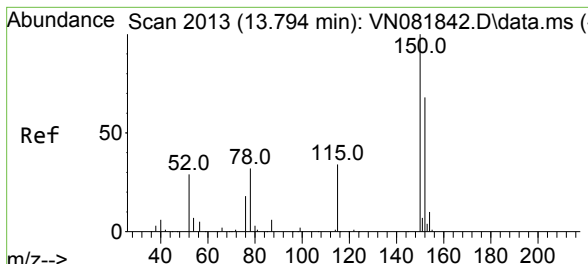
Tgt Ion:106 Resp: 1232
Ion Ratio Lower Upper
106 100
91 234.7 159.4 239.0



#71
Bromoform
Concen: 0.247 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

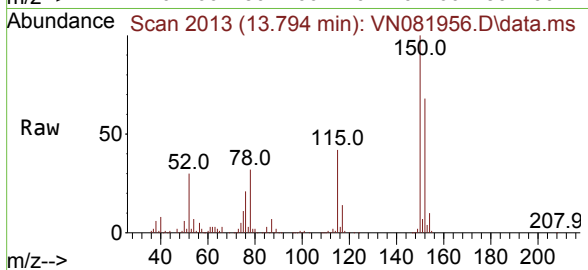
Tgt Ion:173 Resp: 472
Ion Ratio Lower Upper
173 100
175 0.0 24.6 74.0#
254 0.0 0.0 0.0



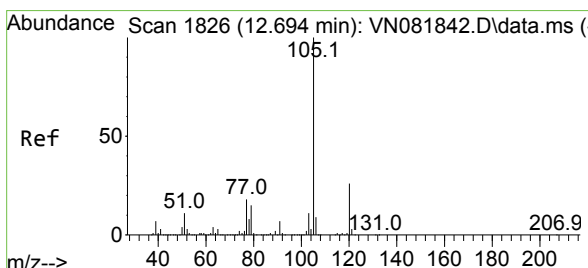
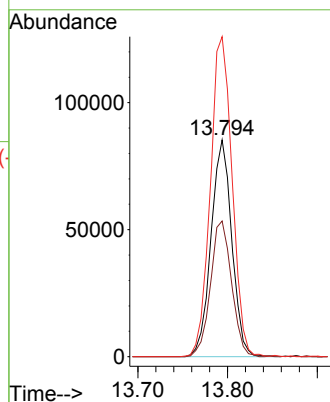
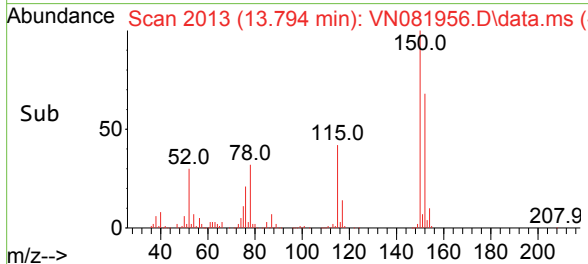


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN081956.D
 Acq: 01 May 2024 15:02

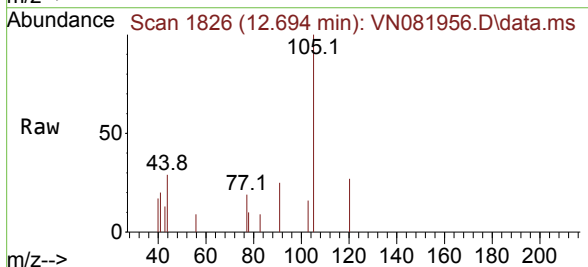
Instrument :
 MSVOA_N
 ClientSampleId :



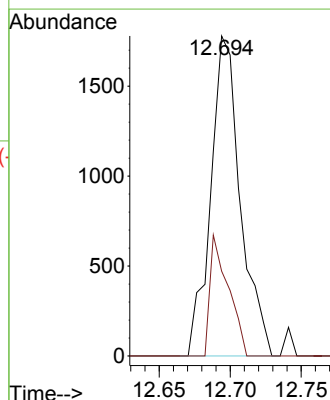
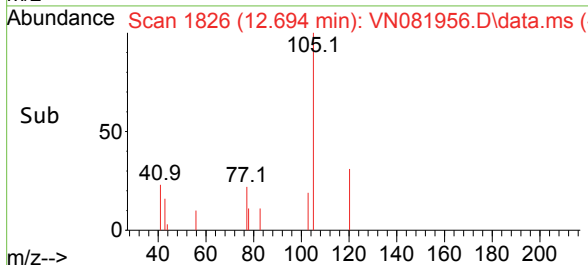
Tgt Ion:152 Resp: 137239
 Ion Ratio Lower Upper
 152 100
 115 63.5 30.4 91.3
 150 154.5 0.0 353.2

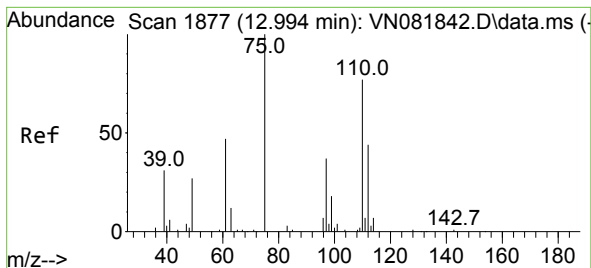


#73
 Isopropylbenzene
 Concen: 0.212 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. 0.000 min
 Lab File: VN081956.D
 Acq: 01 May 2024 15:02



Tgt Ion:105 Resp: 2589
 Ion Ratio Lower Upper
 105 100
 120 23.4 13.4 40.1





#76

1,2,3-Trichloropropane

Concen: 25.020 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN081956.D

Acq: 01 May 2024 15:02

Instrument :

MSVOA_N

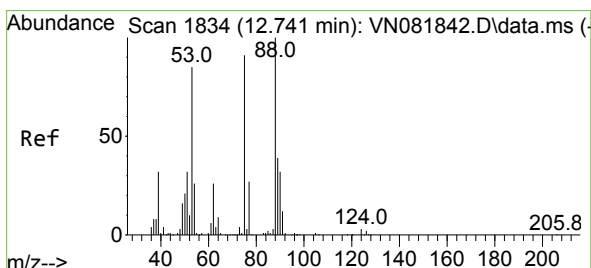
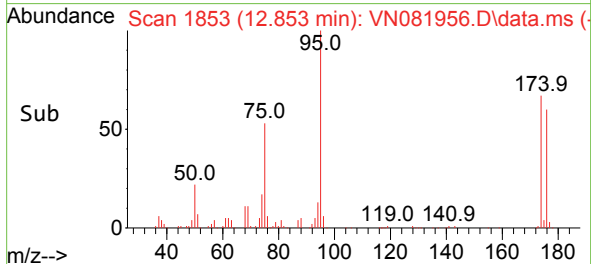
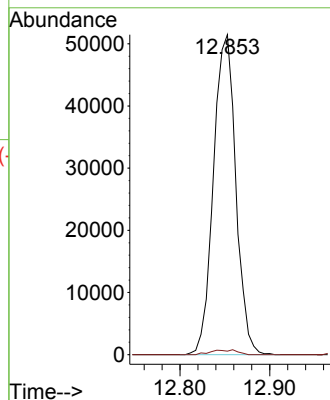
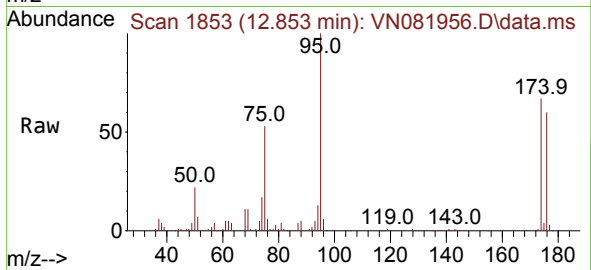
ClientSampleId :

Tgt Ion: 75 Resp: 89028

Ion Ratio Lower Upper

75 100

77 1.7 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.269 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN081956.D

Acq: 01 May 2024 15:02

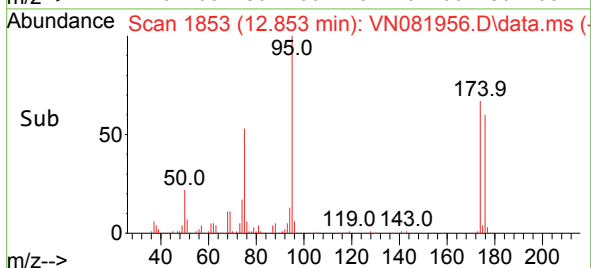
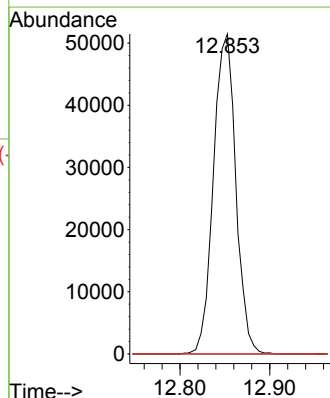
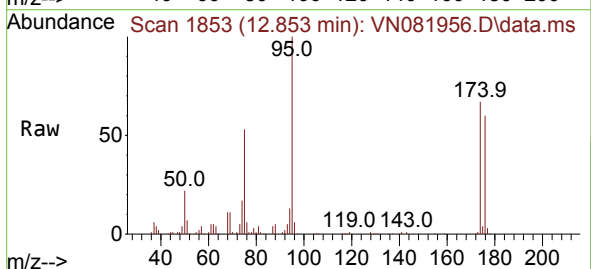
Tgt Ion: 75 Resp: 89028

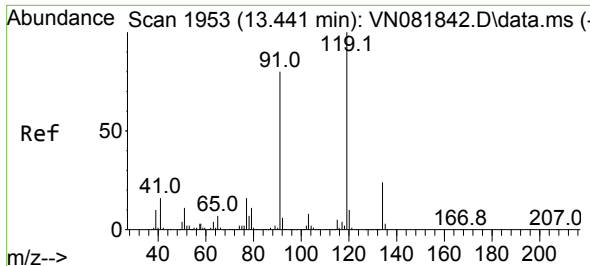
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

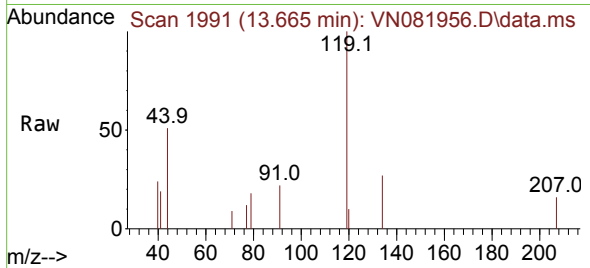
89 0.0 39.1 58.7#



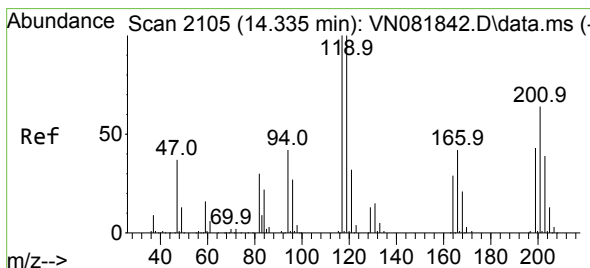
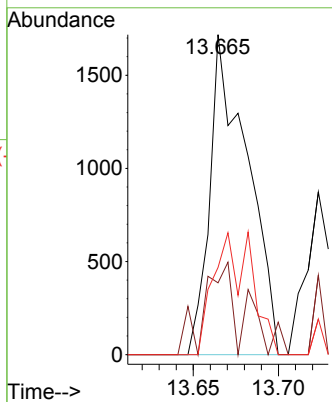
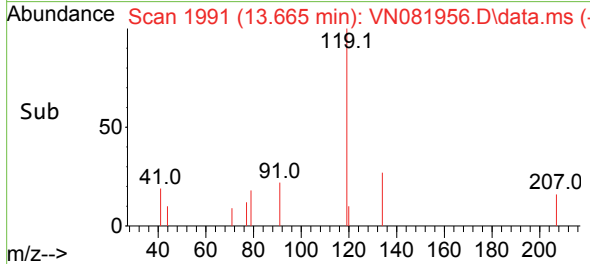


#83
tert-Butylbenzene
Concen: 0.307 ug/l
RT: 13.665 min Scan# 1953
Delta R.T. 0.224 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Instrument :
MSVOA_N
ClientSampleId :

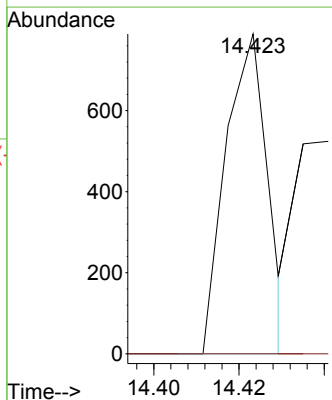
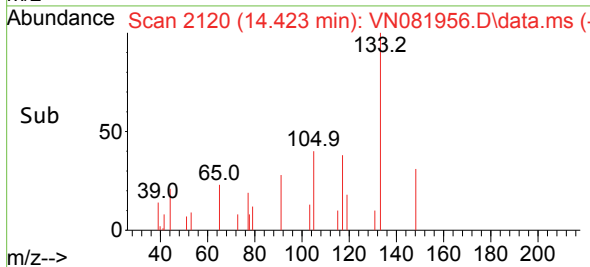
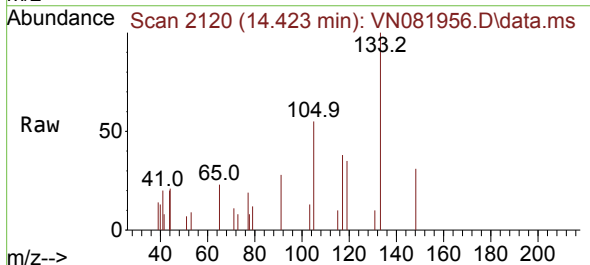


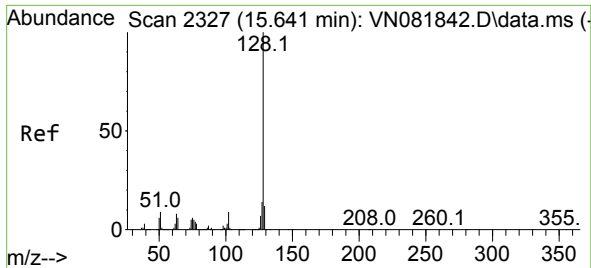
Tgt Ion:119 Resp: 2642
Ion Ratio Lower Upper
119 100
91 20.9 32.6 97.8#
134 38.0 12.4 37.0#



#90
Hexachloroethane
Concen: 0.285 ug/l
RT: 14.423 min Scan# 2120
Delta R.T. 0.088 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

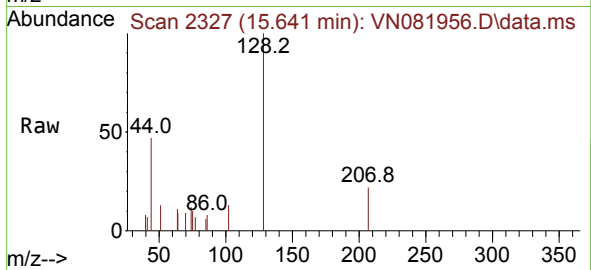
Tgt Ion:117 Resp: 545
Ion Ratio Lower Upper
117 100
201 0.0 33.3 99.8#





#95
Naphthalene
Concen: 0.473 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN081956.D
Acq: 01 May 2024 15:02

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.4	10.1	15.1#
129	1.4	8.9	13.3#

