

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090424\
 Data File : VN083647.D
 Acq On : 04 Sep 2024 14:18
 Operator : JC\MD
 Sample : P3777-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 05 02:25:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

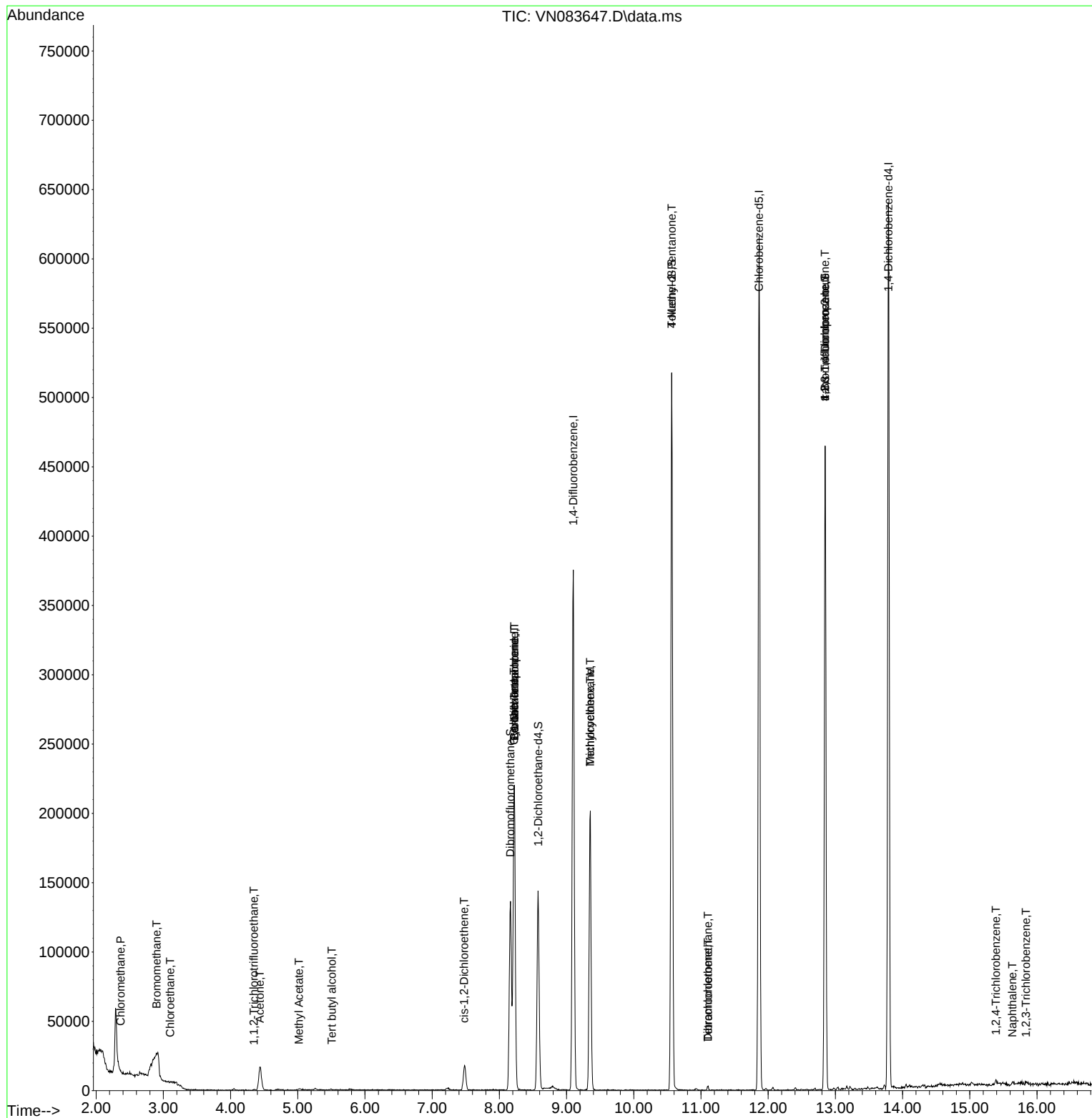
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	154748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	315252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119125	55.080	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.160%	
35) Dibromofluoromethane	8.165	113	94798	49.961	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.920%	
50) Toluene-d8	10.565	98	344495	46.648	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.300%	
62) 4-Bromofluorobenzene	12.847	95	163942	59.894	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 119.780%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1903	0.997	ug/l	94
5) Bromomethane	2.900	94	373	0.372	ug/l #	2
6) Chloroethane	3.100	64	409	0.328	ug/l #	74
9) 1,1,2-Trichlorotrifluo...	4.347	101	485	0.284	ug/l #	31
11) Tert butyl alcohol	5.506	59	172	0.510	ug/l #	71
16) Acetone	4.436	43	2228	2.583	ug/l #	45
18) Methyl Acetate	5.018	43	1720	0.750	ug/l #	62
27) cis-1,2-Dichloroethene	7.477	96	10551	5.007	ug/l	89
31) Cyclohexane	8.218	56	3885	1.161	ug/l #	16
36) 1,1-Dichloropropene	8.224	75	13168	4.550	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17042	5.161	ug/l #	17
39) Methylcyclohexane	9.353	83	761	0.219	ug/l #	1
43) Isopropyl Acetate	8.671	43	281	Below Cal	#	57
44) Trichloroethene	9.353	130	67905	31.706	ug/l	99
51) 4-Methyl-2-Pentanone	10.565	43	1882	0.703	ug/l #	1
60) Dibromochloromethane	11.106	129	613	0.266	ug/l #	10
64) Tetrachloroethene	11.106	164	514	0.235	ug/l #	73
76) 1,2,3-Trichloropropane	12.847	75	90934	27.535	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	90934	64.943	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.388	180	790	0.240	ug/l	85
95) Naphthalene	15.635	128	2758	0.261	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.835	180	687	0.209	ug/l	92

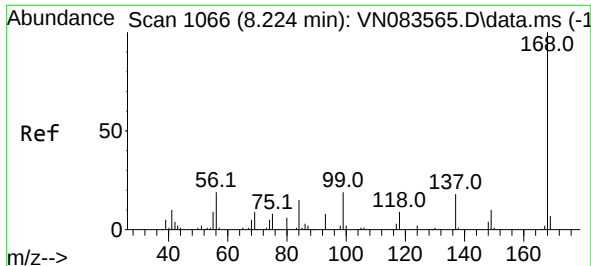
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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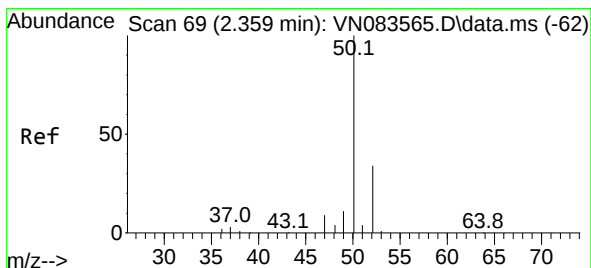
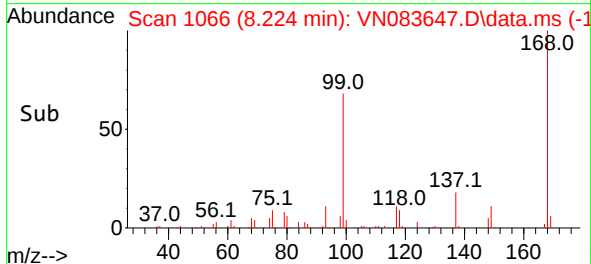
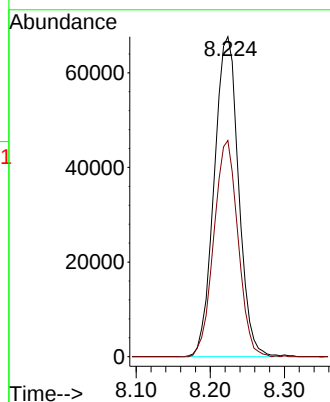
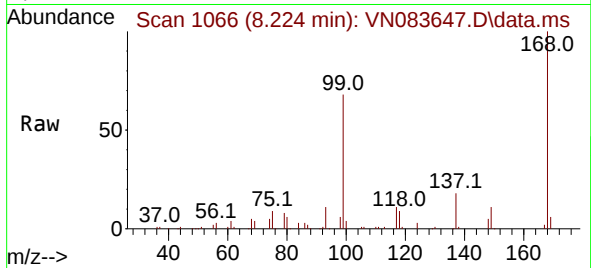




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

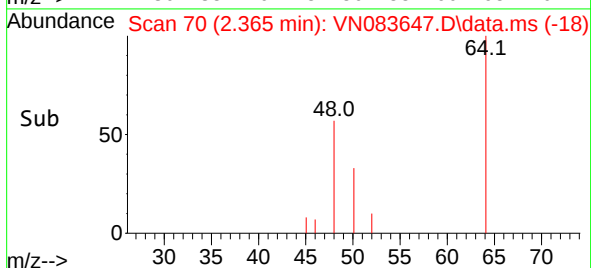
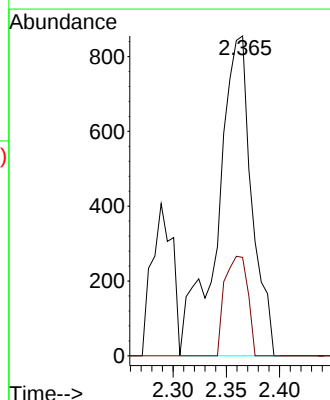
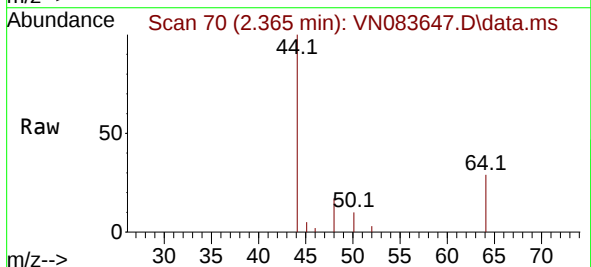
Instrument :
MSVOA_N
ClientSampleId :

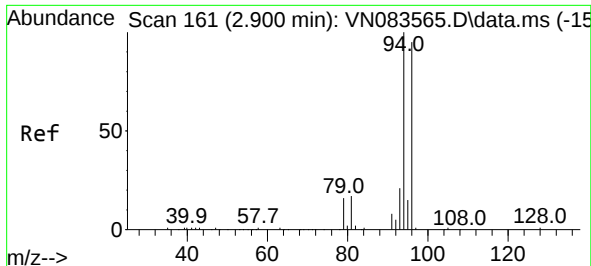
Tgt Ion:168 Resp: 154748
Ion Ratio Lower Upper
168 100
99 67.5 54.2 81.2



#3
Chloromethane
Concen: 0.997 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion: 50 Resp: 1903
Ion Ratio Lower Upper
50 100
52 30.8 27.2 40.8

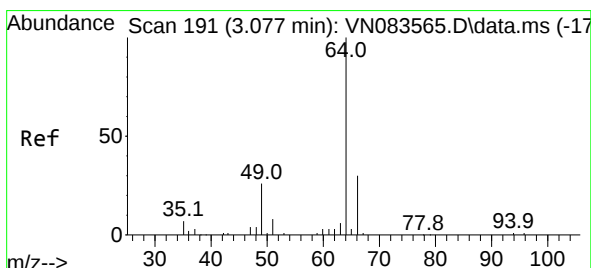
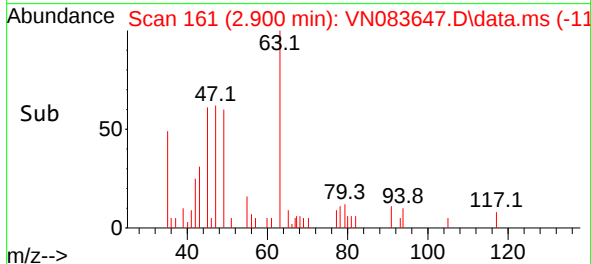
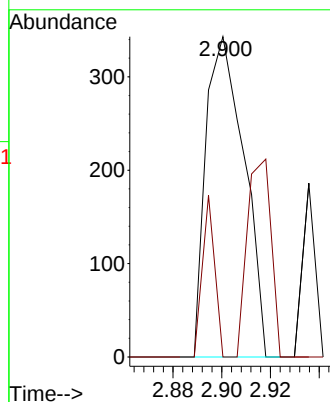
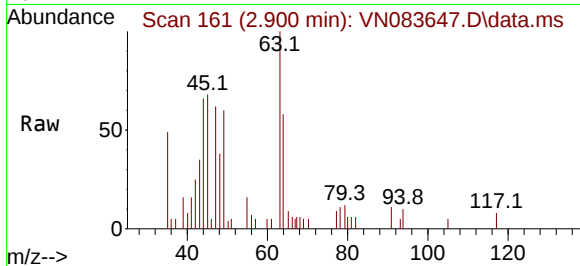




#5
Bromomethane
Concen: 0.372 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

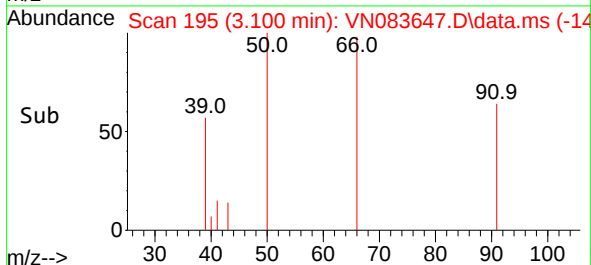
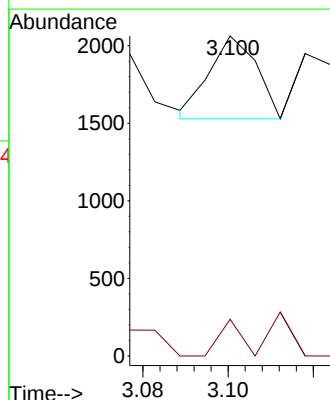
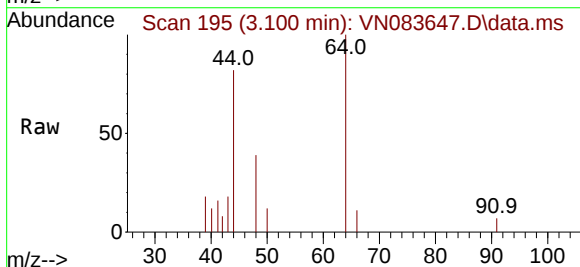
Instrument :
MSVOA_N
ClientSampleId :

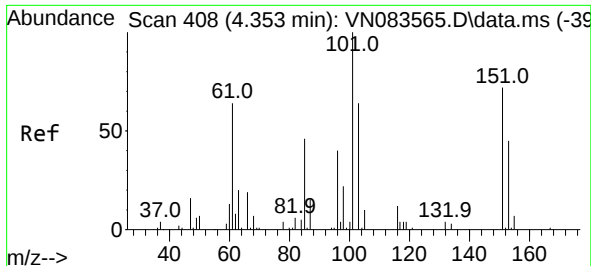
Tgt Ion: 94 Resp: 373
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#



#6
Chloroethane
Concen: 0.328 ug/l
RT: 3.100 min Scan# 195
Delta R.T. 0.023 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion: 64 Resp: 409
Ion Ratio Lower Upper
64 100
66 44.2 23.9 35.9#

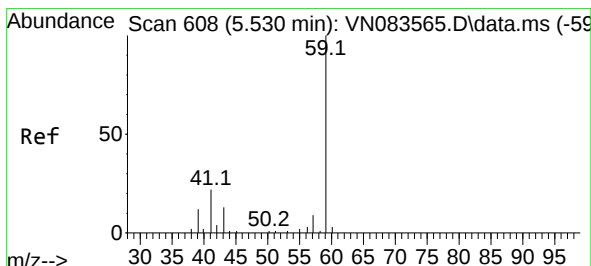
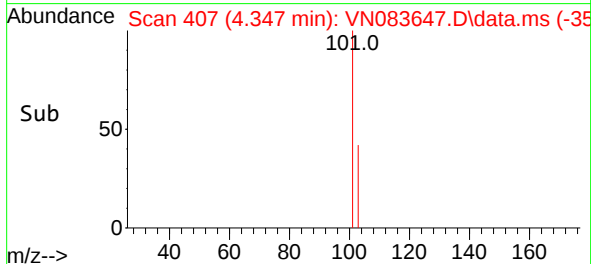
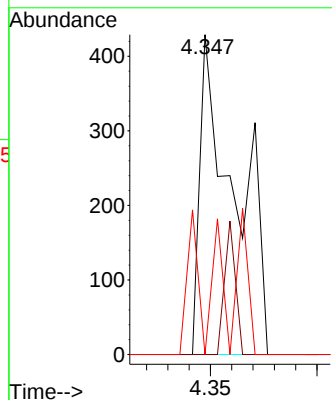
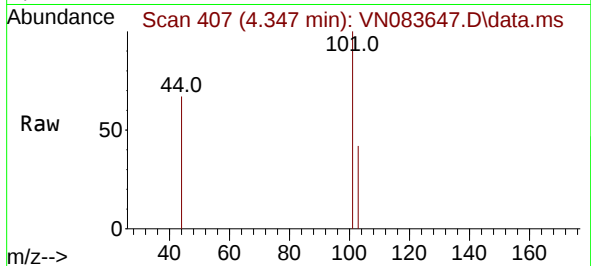




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.284 ug/l
RT: 4.347 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

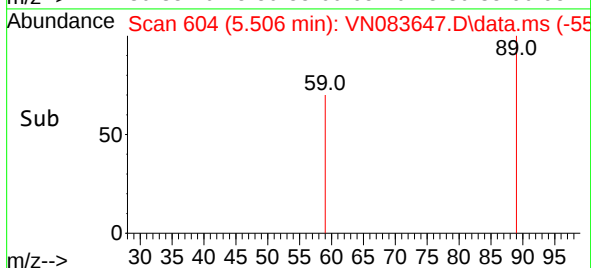
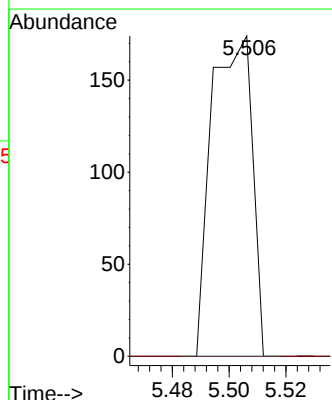
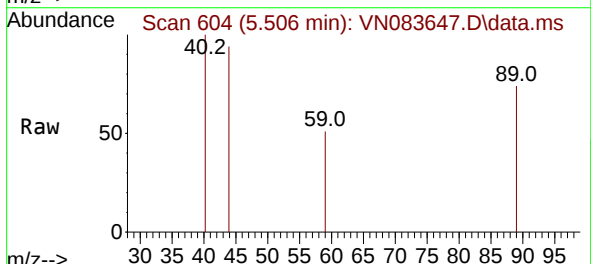
Instrument :
MSVOA_N
ClientSampleId :

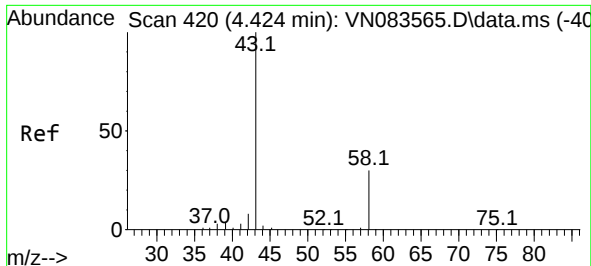
Tgt Ion:101 Resp: 485
Ion Ratio Lower Upper
101 100
85 0.0 36.2 54.4#
151 14.0 57.7 86.5#



#11
Tert butyl alcohol
Concen: 0.510 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.024 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion: 59 Resp: 172
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

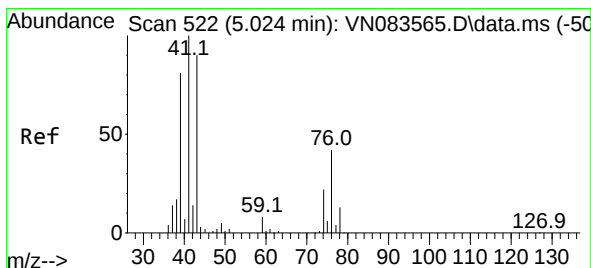
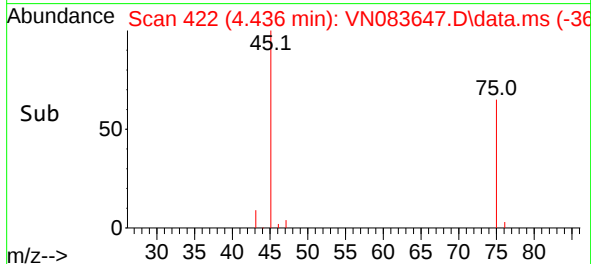
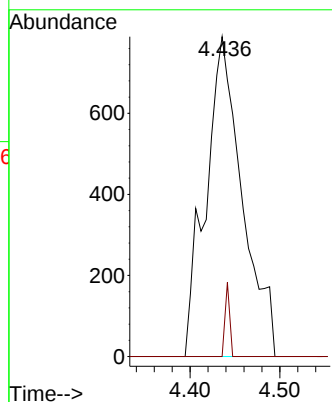
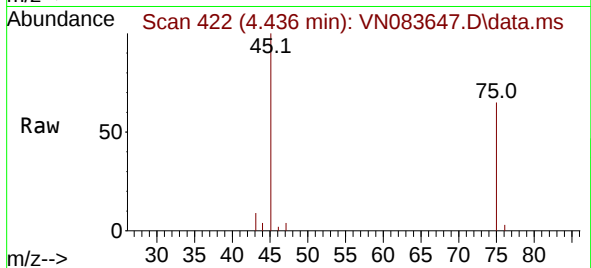




#16
Acetone
Concen: 2.583 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

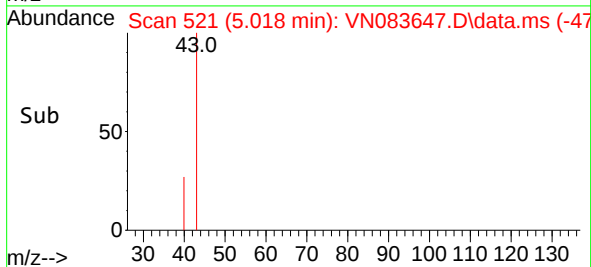
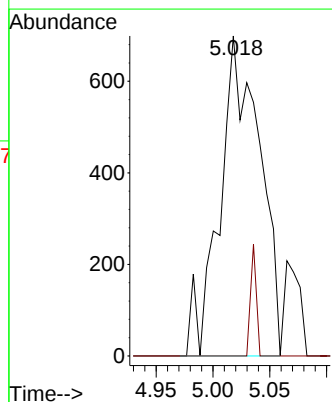
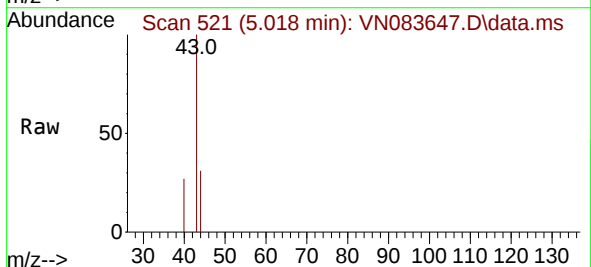
Instrument :
MSVOA_N
ClientSampleId :

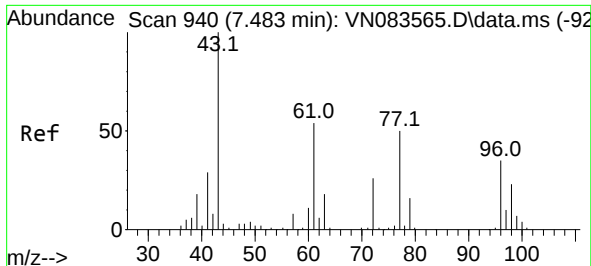
Tgt Ion: 43 Resp: 2228
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#18
Methyl Acetate
Concen: 0.750 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.006 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion: 43 Resp: 1720
Ion Ratio Lower Upper
43 100
74 5.0 19.0 28.4#



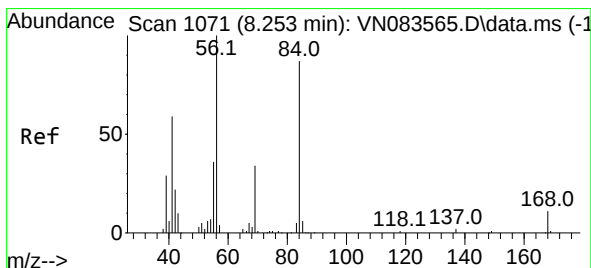
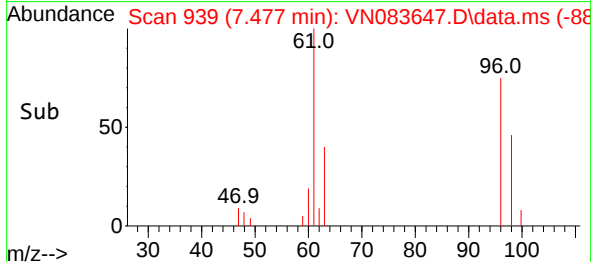
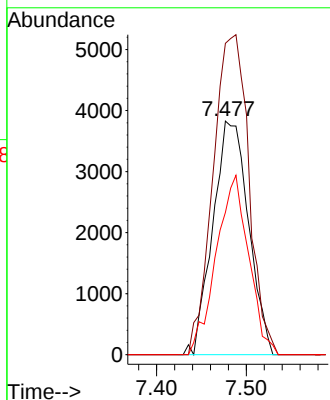
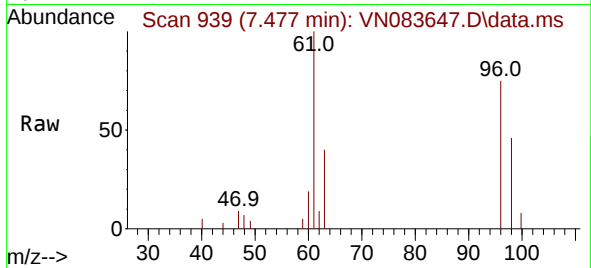


#27
 cis-1,2-Dichloroethene
 Concen: 5.007 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VN083647.D
 Acq: 04 Sep 2024 14:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 96 Resp: 10551

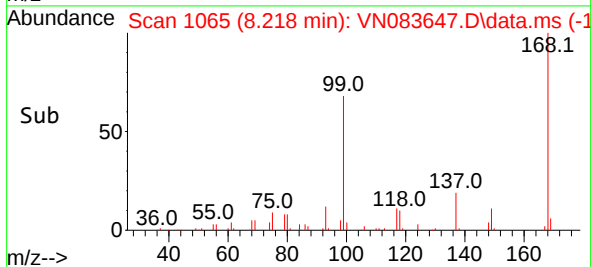
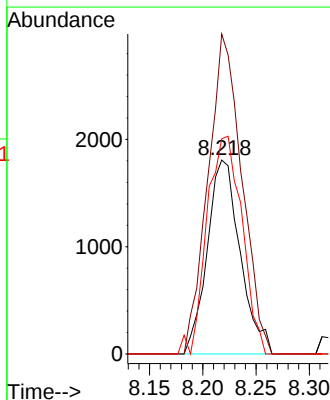
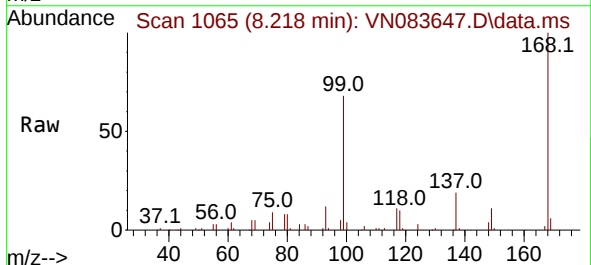
Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	306.2
98	70.0	0.0	128.6

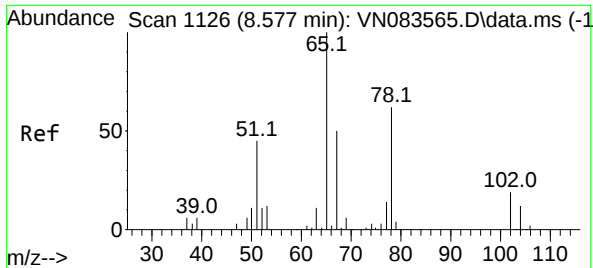


#31
 Cyclohexane
 Concen: 1.161 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.035 min
 Lab File: VN083647.D
 Acq: 04 Sep 2024 14:18

Tgt Ion: 56 Resp: 3885

Ion	Ratio	Lower	Upper
56	100		
69	165.0	26.9	40.3#
84	111.0	69.2	103.8#

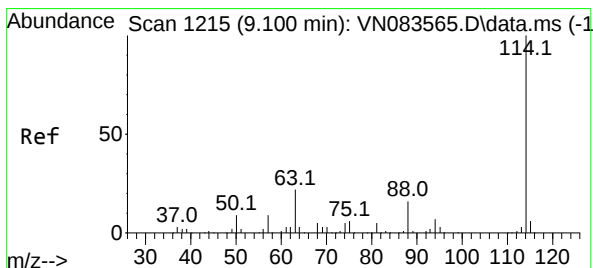
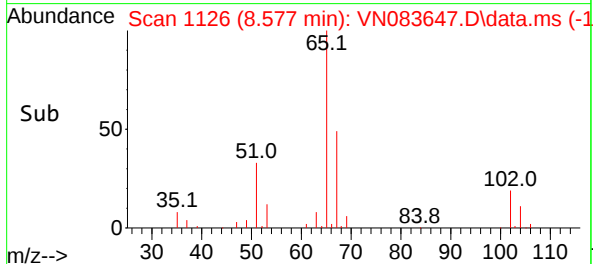
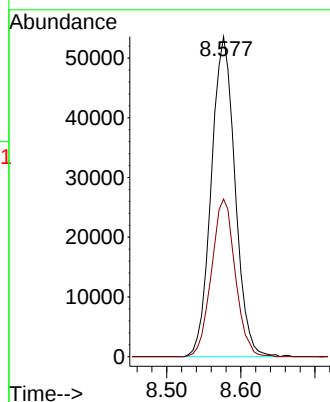
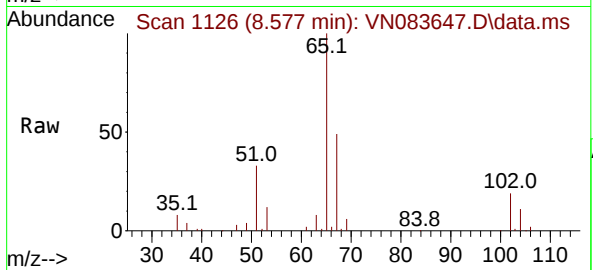




#33
 1,2-Dichloroethane-d4
 Concen: 55.080 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN083647.D
 Acq: 04 Sep 2024 14:18

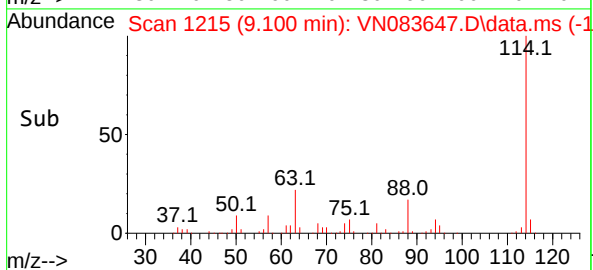
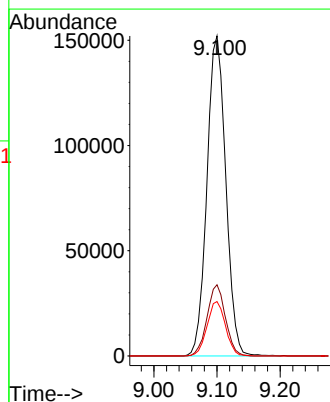
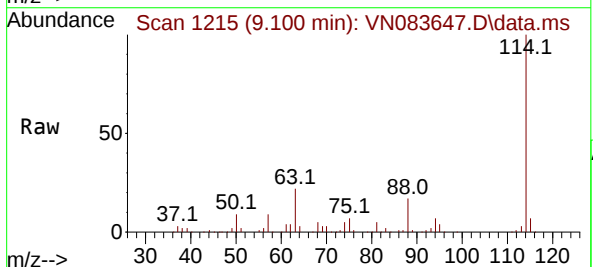
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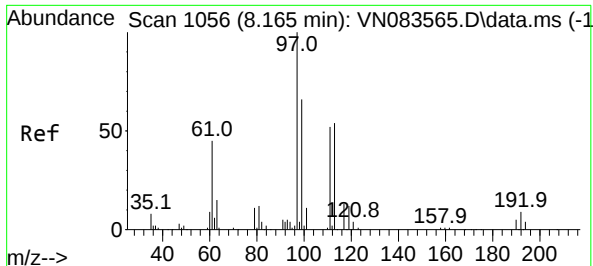
Tgt Ion: 65 Resp: 119125
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN083647.D
 Acq: 04 Sep 2024 14:18

Tgt Ion: 114 Resp: 315252
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.4
 88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.961 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083647.D

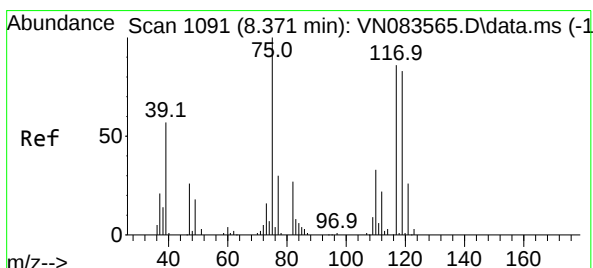
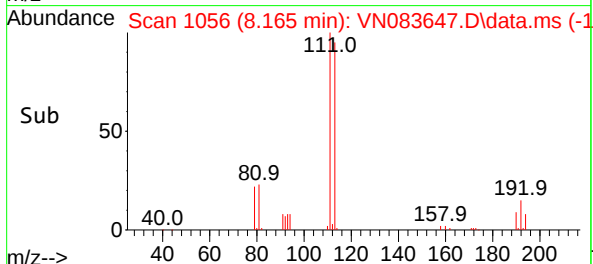
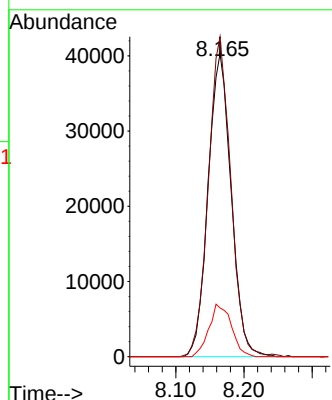
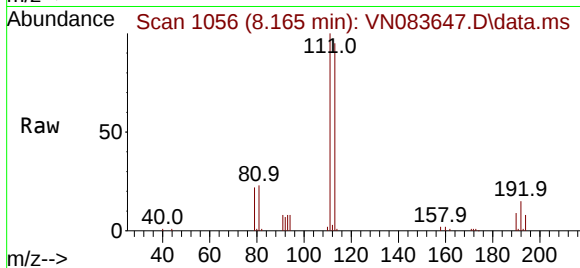
Acq: 04 Sep 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:113	Resp:	94798
Ion	Ratio	Lower Upper
113	100	
111	102.9	82.6 124.0
192	16.9	14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.550 ug/l

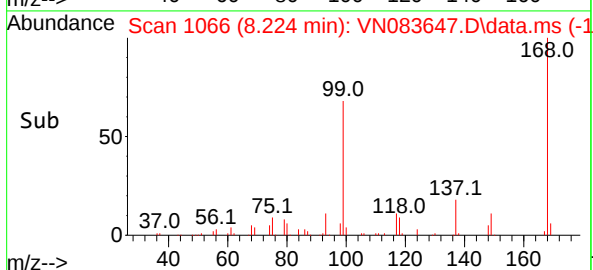
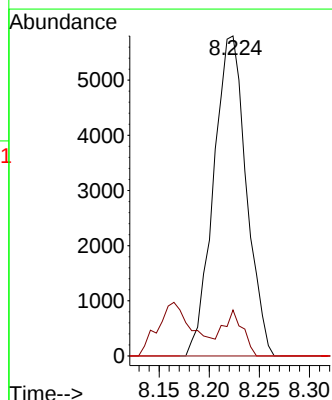
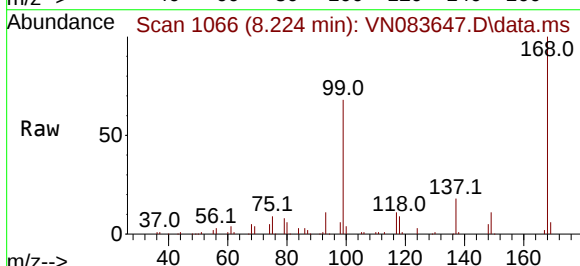
RT: 8.224 min Scan# 1066

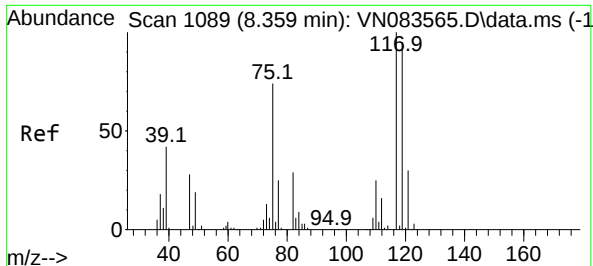
Delta R.T. -0.147 min

Lab File: VN083647.D

Acq: 04 Sep 2024 14:18

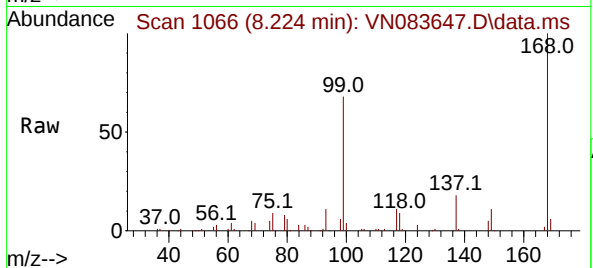
Tgt Ion: 75	Resp:	13168
Ion	Ratio	Lower Upper
75	100	
110	8.4	16.7 50.1#
77	0.0	25.2 37.8#



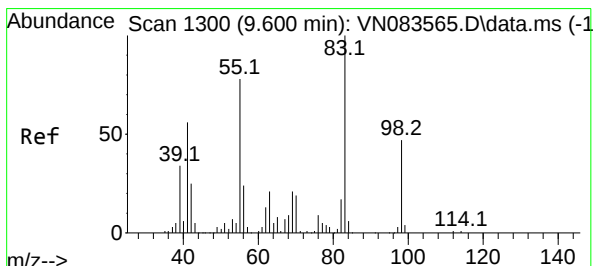
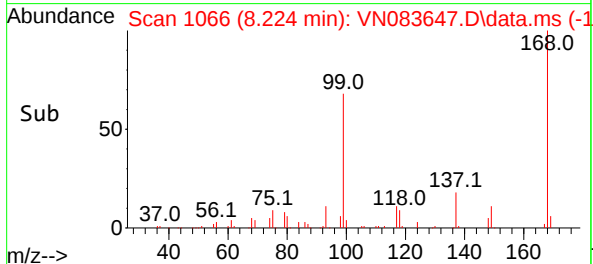
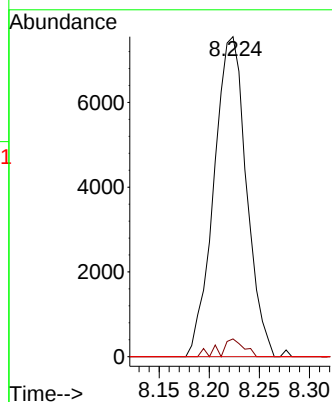


#38
Carbon Tetrachloride
Concen: 5.161 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Instrument :
MSVOA_N
ClientSampleId :

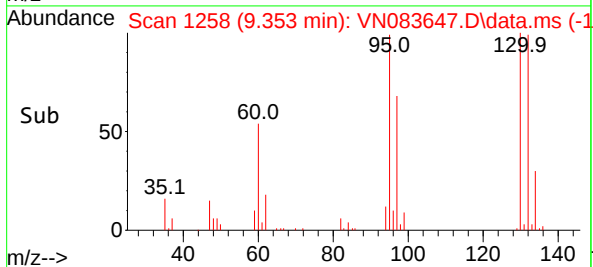
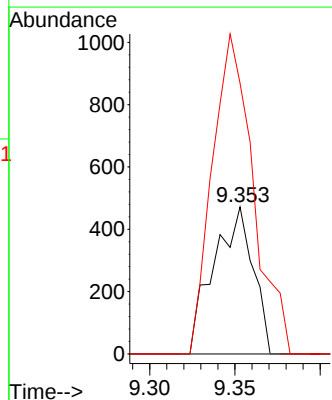
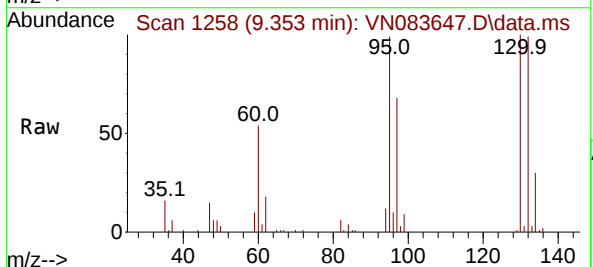


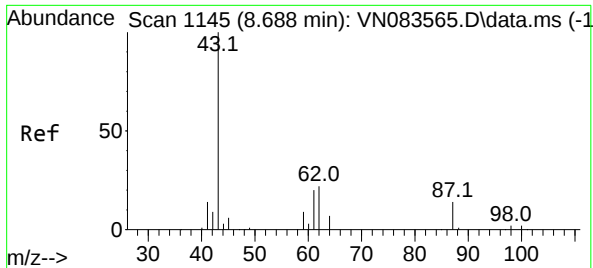
Tgt Ion:117 Resp: 17042
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.219 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion: 83 Resp: 761
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 184.1 37.6 56.4#

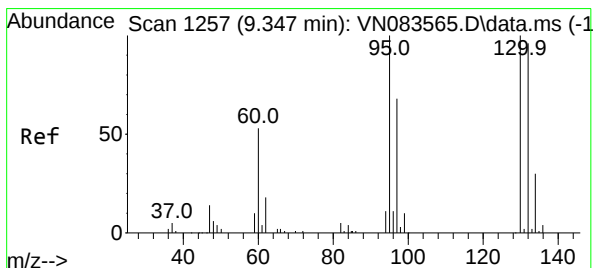
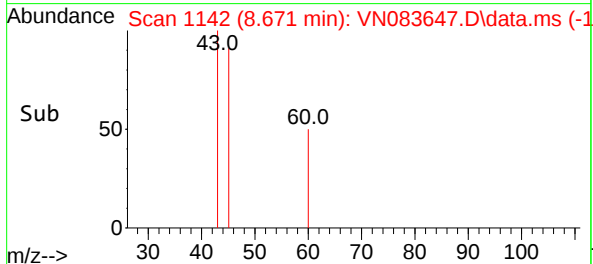
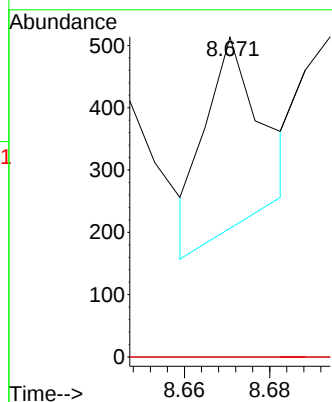
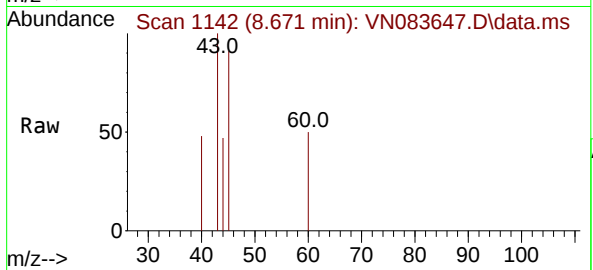




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1142
Delta R.T. -0.017 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

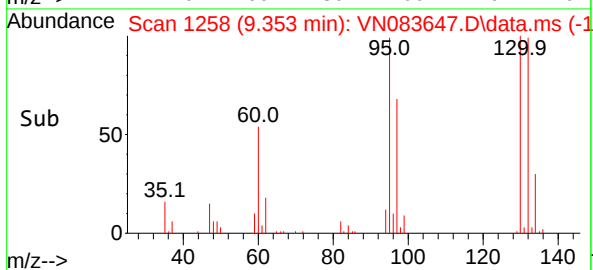
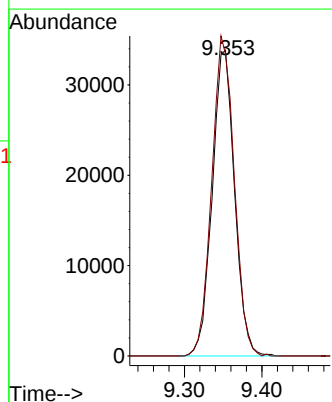
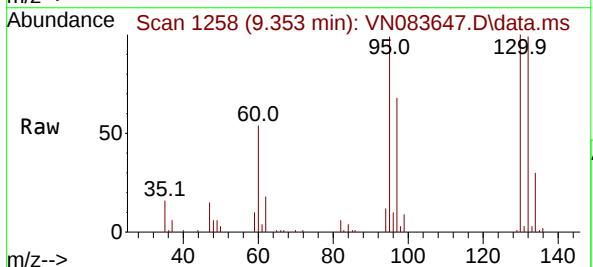
Instrument :
MSVOA_N
ClientSampleId :

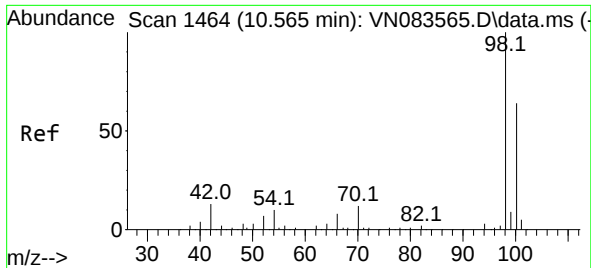
Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#44
Trichloroethene
Concen: 31.706 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion:130 Resp: 67905
Ion Ratio Lower Upper
130 100
95 98.7 0.0 200.4

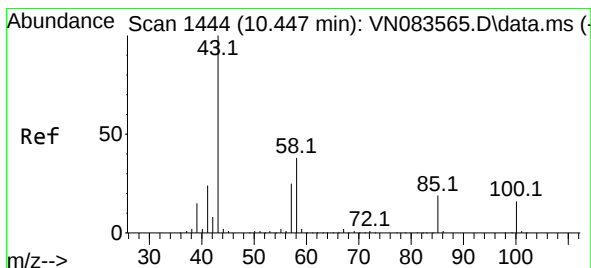
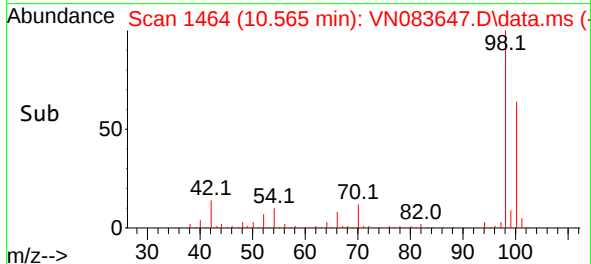
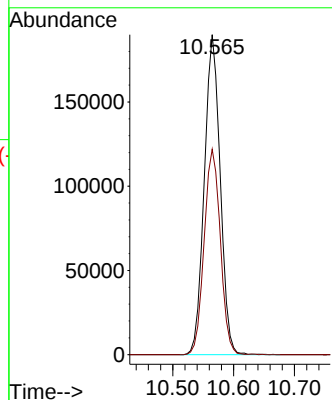
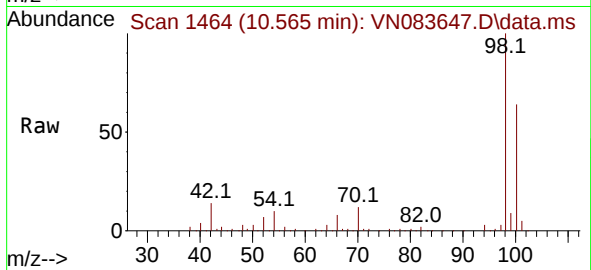




#50
Toluene-d8
Concen: 46.648 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

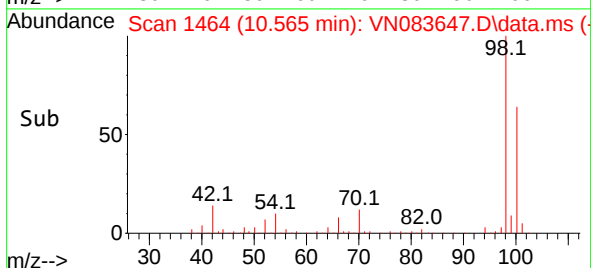
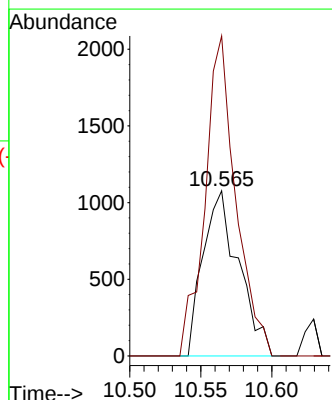
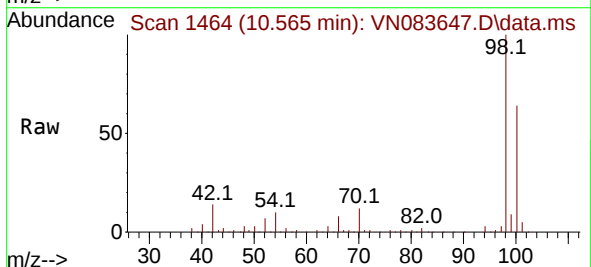
Instrument :
MSVOA_N
ClientSampleId :

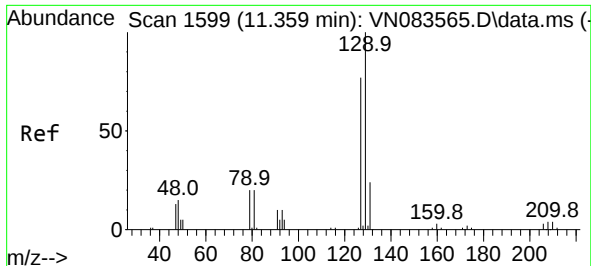
Tgt Ion: 98 Resp: 344495
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.703 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion: 43 Resp: 1882
Ion Ratio Lower Upper
43 100
58 167.7 31.6 47.4#

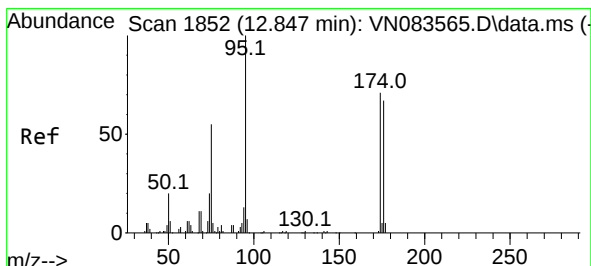
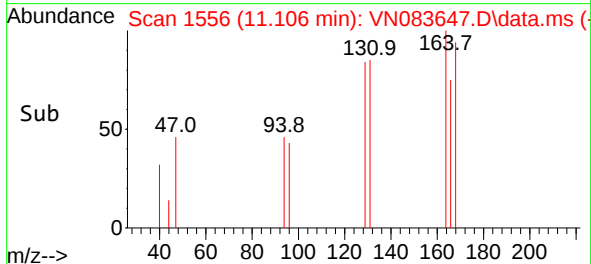
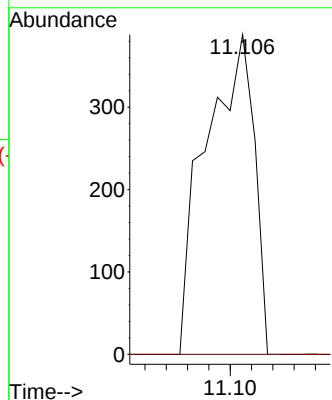
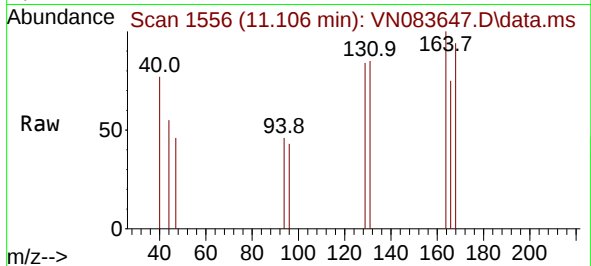




#60
Dibromochloromethane
Concen: 0.266 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

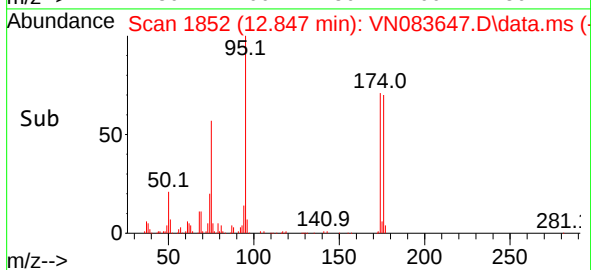
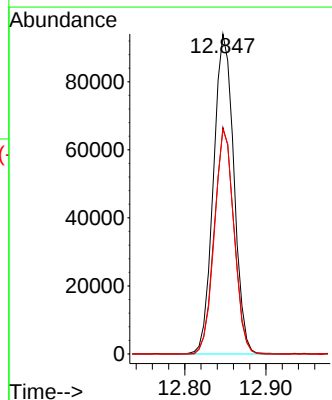
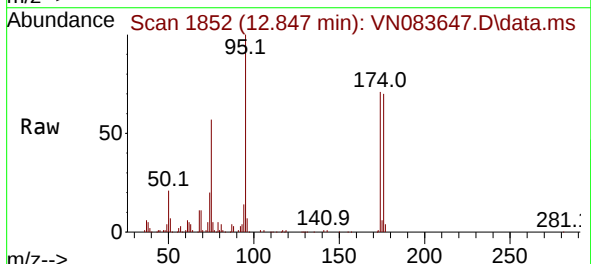
Instrument :
MSVOA_N
ClientSampleId :

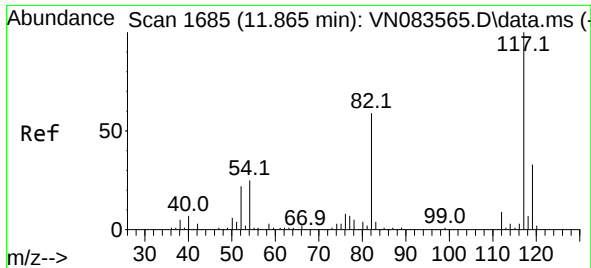
Tgt Ion:129 Resp: 613
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 59.894 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion: 95 Resp: 163942
Ion Ratio Lower Upper
95 100
174 68.3 0.0 139.8
176 67.5 0.0 131.4

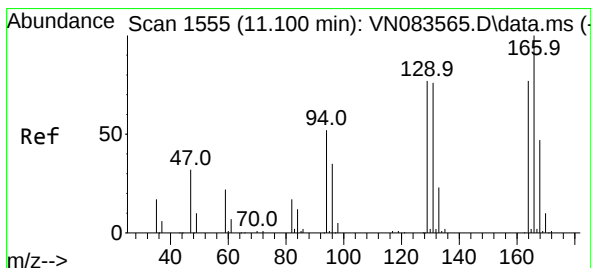
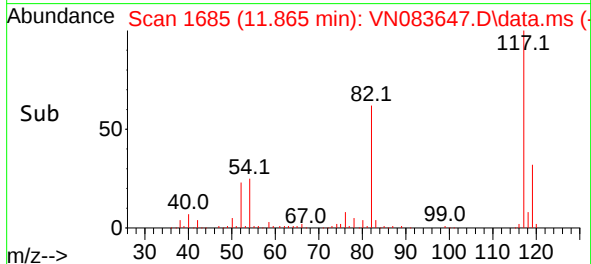
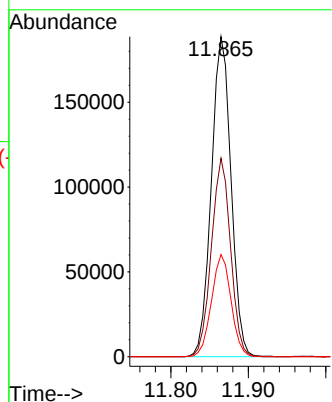
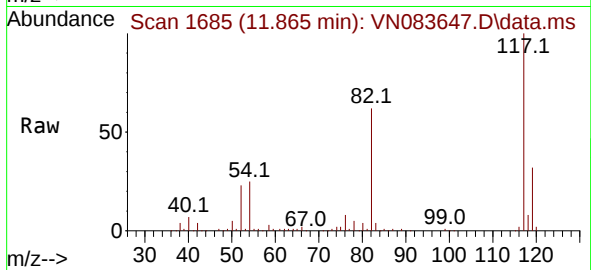




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

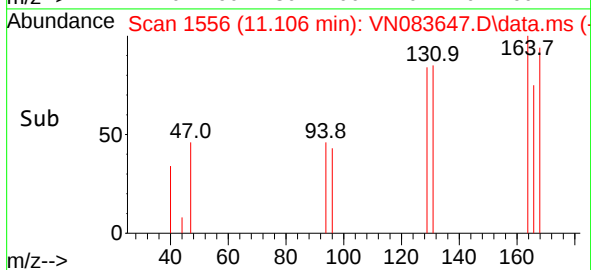
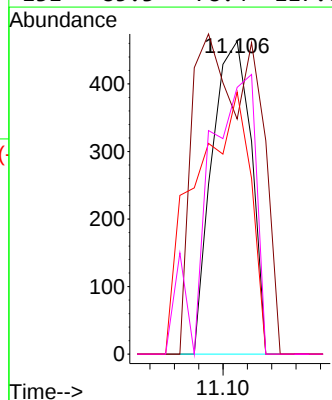
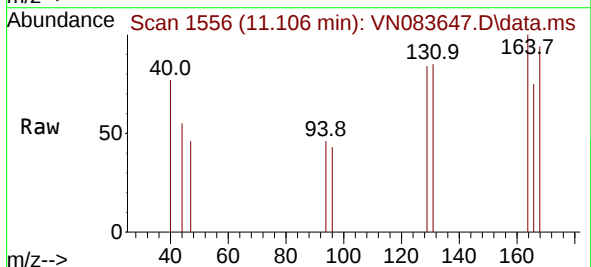
Instrument :
MSVOA_N
ClientSampleId :

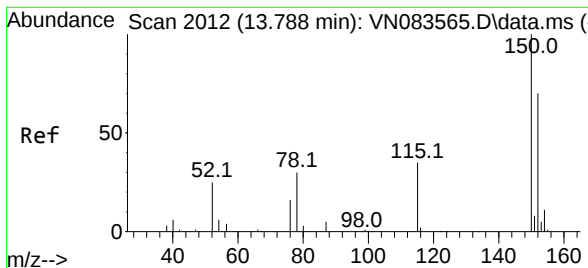
Tgt Ion:117 Resp: 332766
Ion Ratio Lower Upper
117 100
82 62.0 47.4 71.0
119 31.9 26.3 39.5



#64
Tetrachloroethene
Concen: 0.235 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion:164 Resp: 514
Ion Ratio Lower Upper
164 100
166 75.2 103.7 155.5#
129 83.8 79.9 119.9
131 85.3 78.4 117.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN083647.D

Acq: 04 Sep 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

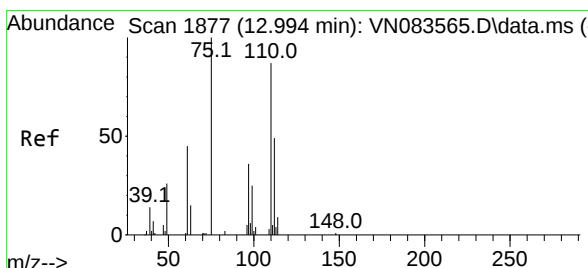
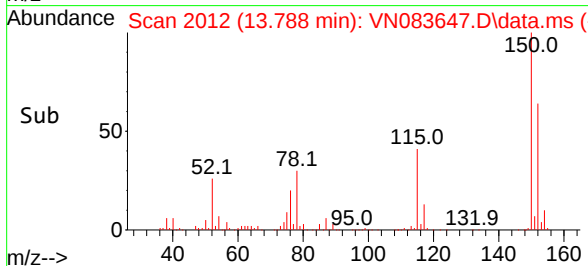
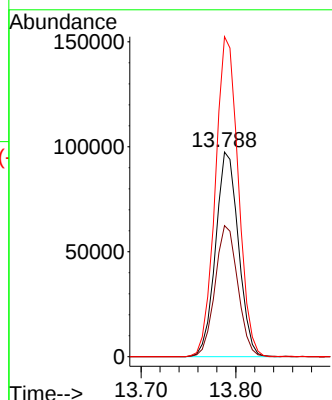
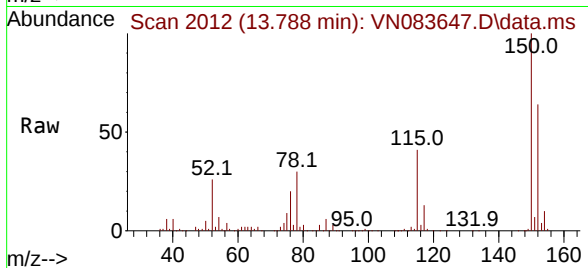
Tgt Ion:152 Resp: 163574

Ion Ratio Lower Upper

152 100

115 63.9 32.2 96.6

150 156.9 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 27.535 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083647.D

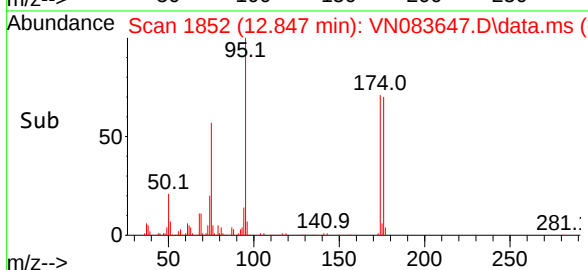
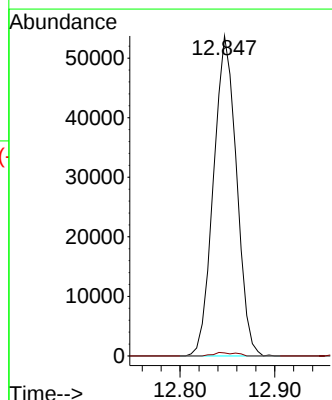
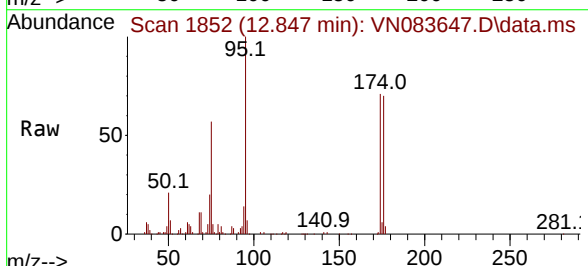
Acq: 04 Sep 2024 14:18

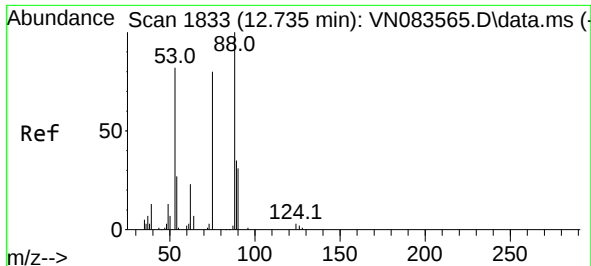
Tgt Ion: 75 Resp: 90934

Ion Ratio Lower Upper

75 100

77 1.0 95.2 285.6#

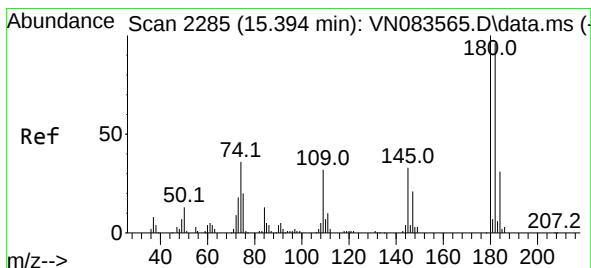
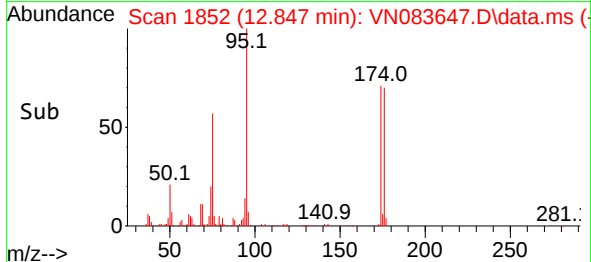
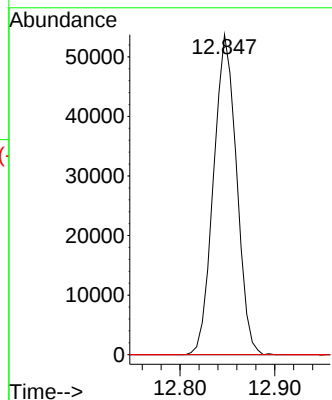
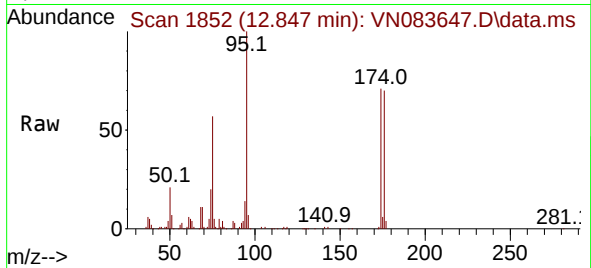




#81
trans-1,4-Dichloro-2-butene
Concen: 64.943 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

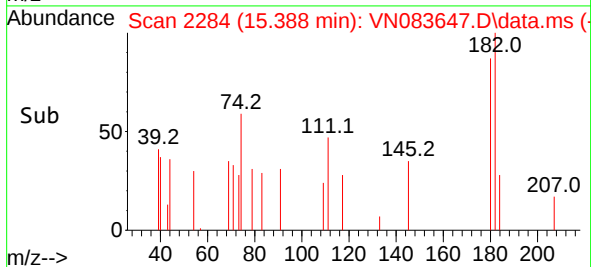
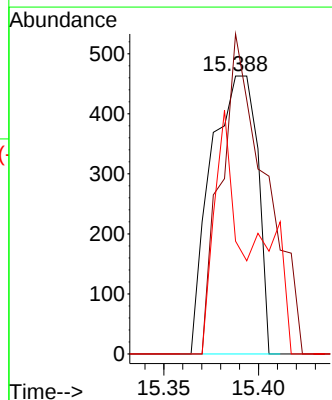
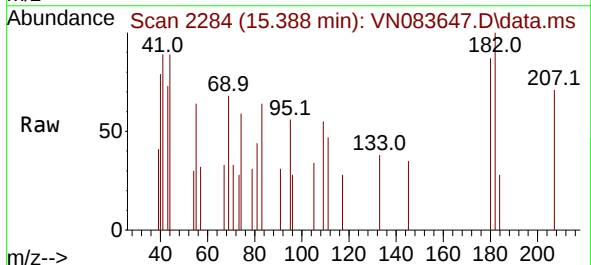
Instrument :
MSVOA_N
ClientSampleId :

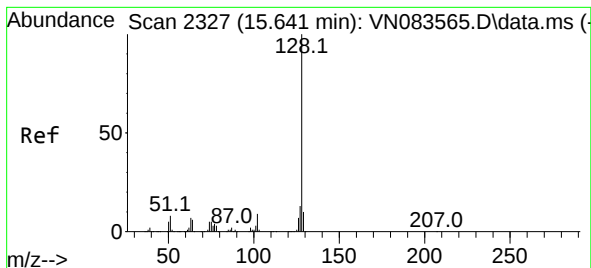
Tgt Ion: 75 Resp: 90934
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.240 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.006 min
Lab File: VN083647.D
Acq: 04 Sep 2024 14:18

Tgt Ion:180 Resp: 790
Ion Ratio Lower Upper
180 100
182 109.9 48.1 144.3
145 43.8 16.9 50.7





#95

Naphthalene

Concen: 0.261 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN083647.D

Acq: 04 Sep 2024 14:18

Instrument :

MSVOA_N

ClientSampleId :

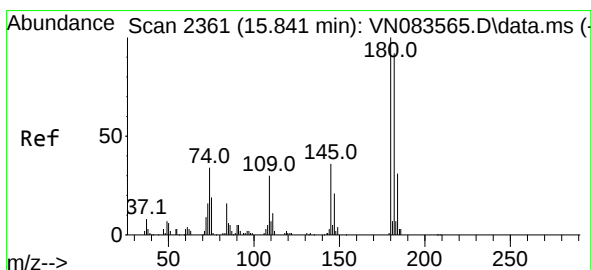
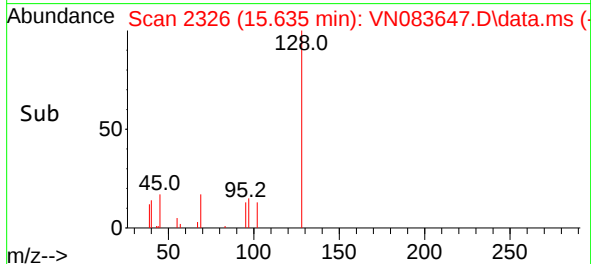
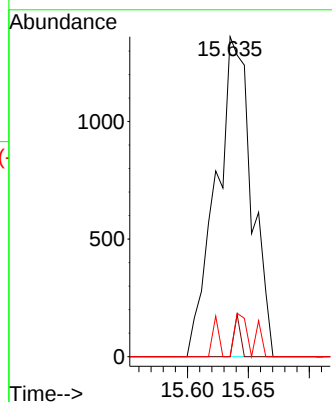
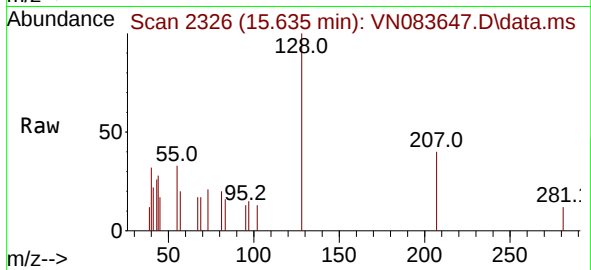
Tgt Ion:128 Resp: 2758

Ion Ratio Lower Upper

128 100

127 2.3 10.2 15.2#

129 6.4 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.209 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.006 min

Lab File: VN083647.D

Acq: 04 Sep 2024 14:18

Tgt Ion:180 Resp: 687

Ion Ratio Lower Upper

180 100

182 101.5 47.1 141.4

145 29.4 17.8 53.5

