

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090524\
 Data File : VN083680.D
 Acq On : 05 Sep 2024 17:03
 Operator : JC\MD
 Sample : P3827-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 02:20:07 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)

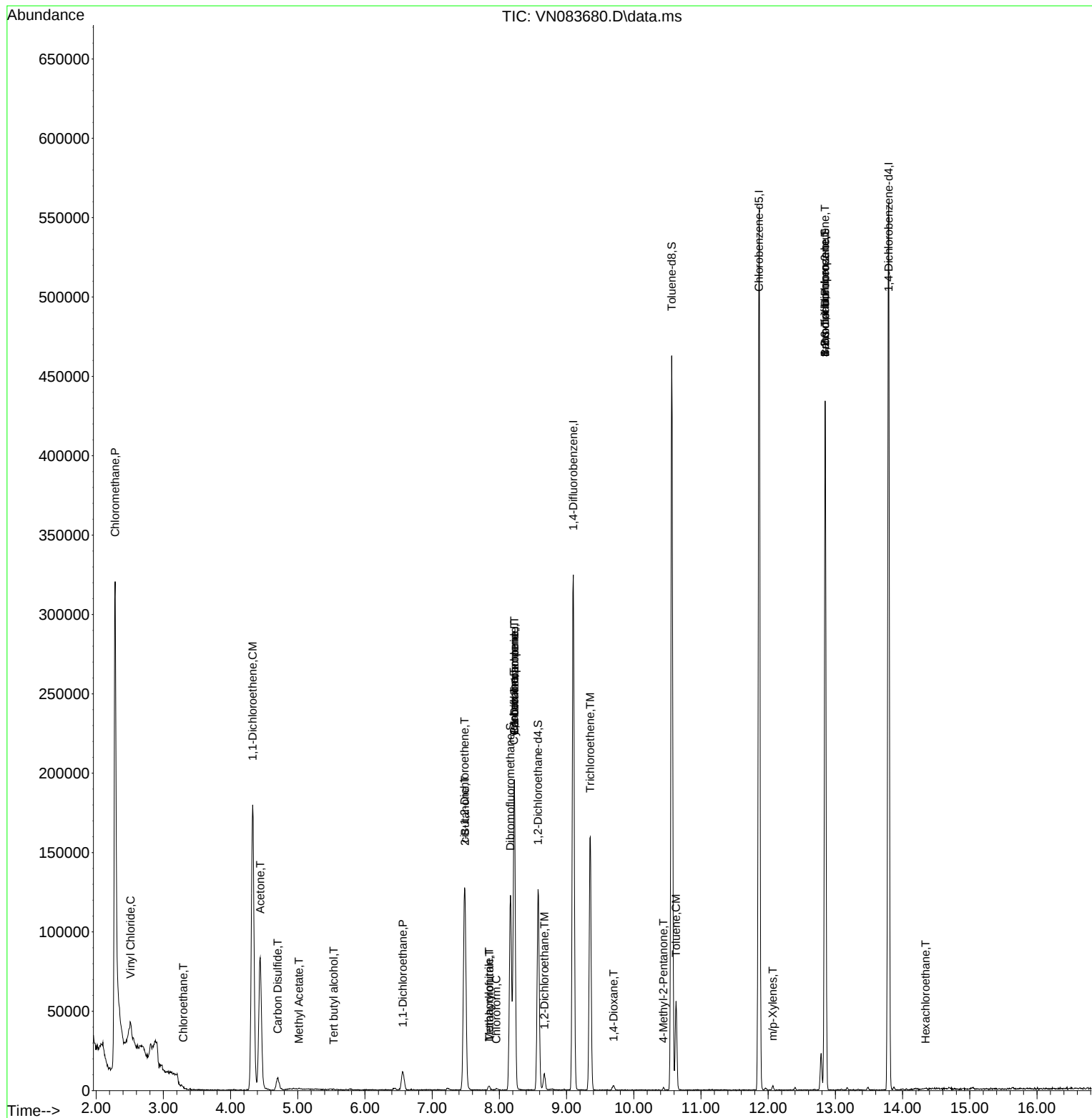
Internal Standards						
1) Pentafluorobenzene	8.224	168	133343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	298726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	106738	57.275	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.560%			
35) Dibromofluoromethane	8.165	113	86142	52.269	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.540%			
50) Toluene-d8	10.565	98	313440	48.811	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.620%			
62) 4-Bromofluorobenzene	12.847	95	147641	62.100	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 124.200%#			
Target Compounds						Qvalue
3) Chloromethane	2.283	50	10596	6.445	ug/l #	41
4) Vinyl Chloride	2.512	62	5809	3.531	ug/l #	8
6) Chloroethane	3.294	64	494	0.459	ug/l #	45
11) Tert butyl alcohol	5.535	59	178	0.613	ug/l #	71
12) 1,1-Dichloroethene	4.330	96	102434	70.122	ug/l	97
16) Acetone	4.441	43	2308	3.106	ug/l #	45
17) Carbon Disulfide	4.700	76	18595	4.368	ug/l	99
18) Methyl Acetate	5.018	43	569	0.288	ug/l #	52
24) 1,1-Dichloroethane	6.565	63	18087	6.176	ug/l	95
25) 2-Butanone	7.488	43	284	0.281	ug/l #	1
27) cis-1,2-Dichloroethene	7.482	96	76809	42.302	ug/l	89
29) Tetrahydrofuran	7.853	42	1689	2.691	ug/l	97
30) Chloroform	7.953	83	953	0.309	ug/l #	76
31) Cyclohexane	8.218	56	3410	1.183	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11783	4.687	ug/l #	49
38) Carbon Tetrachloride	8.224	117	15309	5.338	ug/l #	16
41) Methacrylonitrile	7.847	41	892	0.625	ug/l #	33
42) 1,2-Dichloroethane	8.671	62	9205	3.211	ug/l	95
43) Isopropyl Acetate	8.676	43	206	Below Cal	#	57
44) Trichloroethene	9.353	130	54591	29.346	ug/l	96
49) 1,4-Dioxane	9.700	88	2137	63.556	ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	1148	0.494	ug/l	98
52) Toluene	10.629	92	24102	4.984	ug/l	99
68) m/p-Xylenes	12.070	106	947	0.210	ug/l	96
71) Bromoform	12.847	173	954	0.592	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	82655	28.499	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82655	67.217	ug/l #	9
90) Hexachloroethane	14.341	117	810	0.430	ug/l #	17

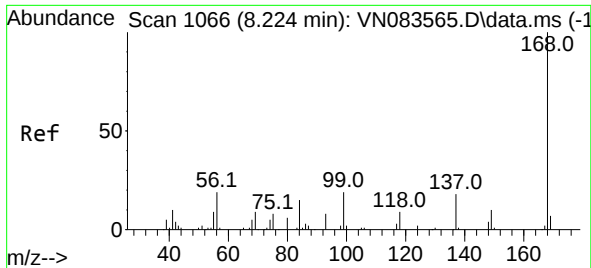
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090524\
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QLast Update : Sat Aug 31 00:48:10 2024
Response via : Initial Calibration

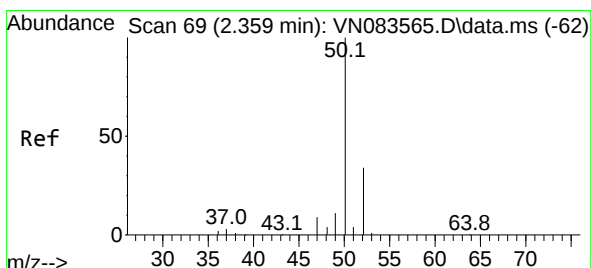
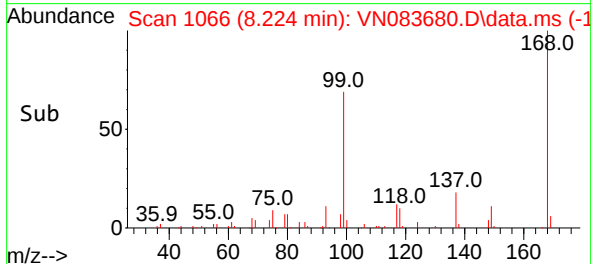
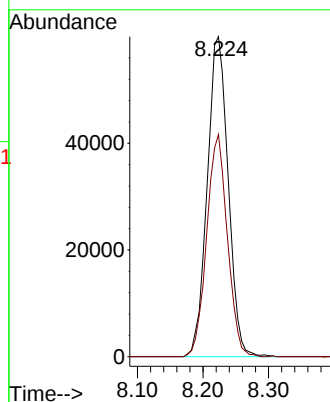
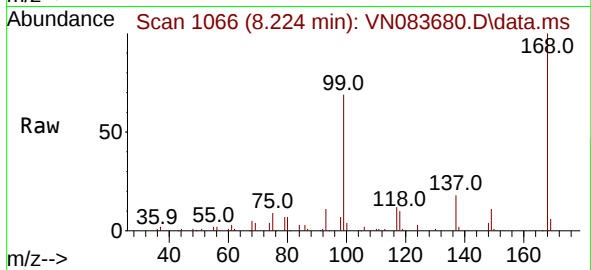




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

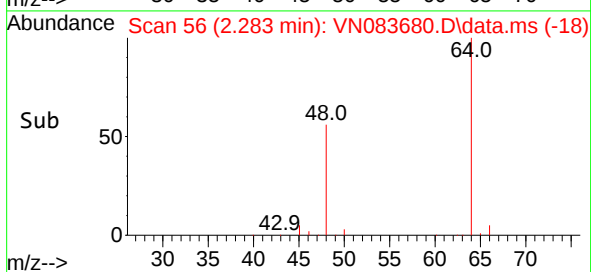
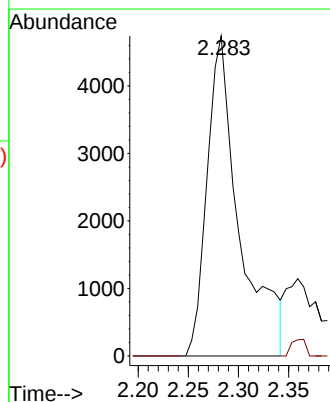
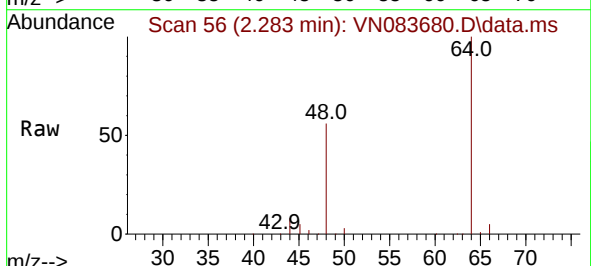
Instrument :
MSVOA_N
ClientSampleId :

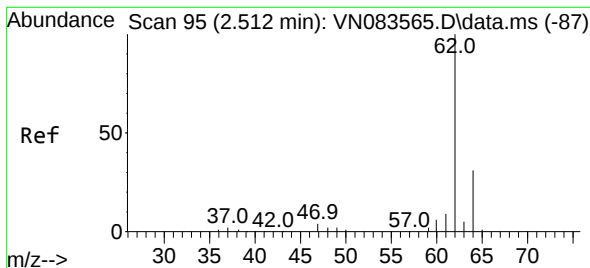
Tgt Ion:168 Resp: 133343
Ion Ratio Lower Upper
168 100
99 69.5 54.2 81.2



#3
Chloromethane
Concen: 6.445 ug/l
RT: 2.283 min Scan# 56
Delta R.T. -0.077 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 50 Resp: 10596
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#





#4

Vinyl Chloride

Concen: 3.531 ug/l

RT: 2.512 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

Instrument :

MSVOA_N

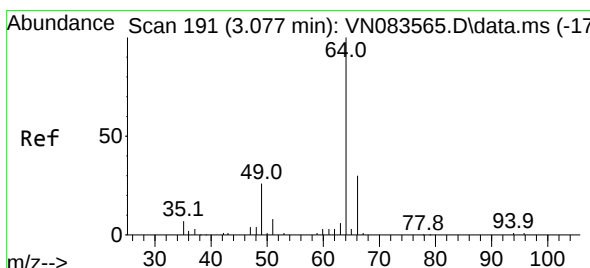
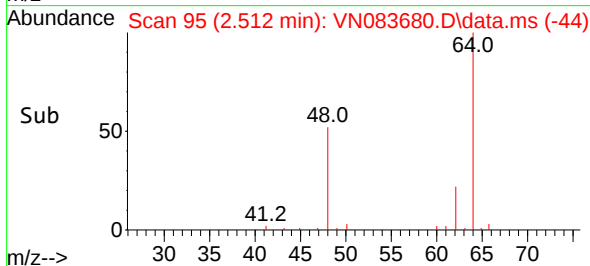
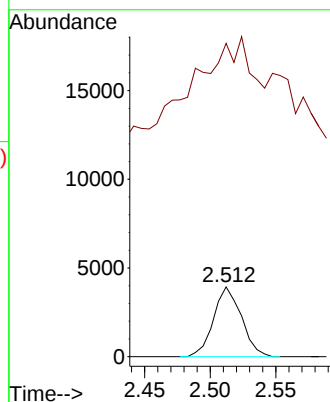
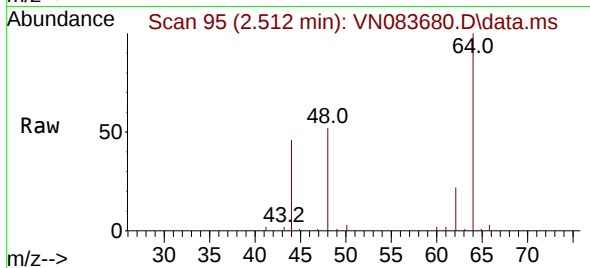
ClientSampleId :

Tgt Ion: 62 Resp: 5809

Ion Ratio Lower Upper

62 100

64 81.2 24.7 37.1#



#6

Chloroethane

Concen: 0.459 ug/l

RT: 3.294 min Scan# 228

Delta R.T. 0.217 min

Lab File: VN083680.D

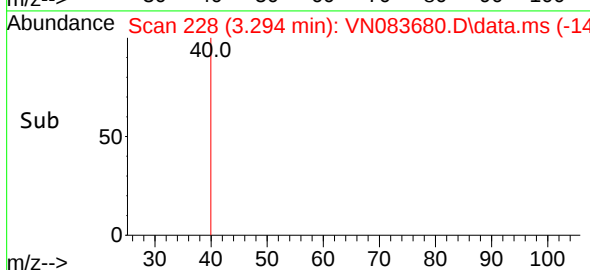
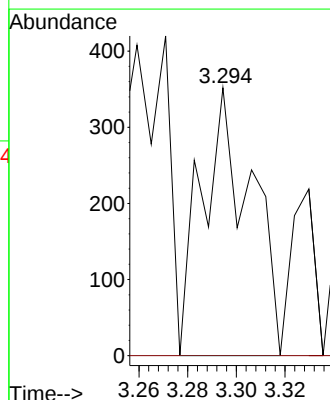
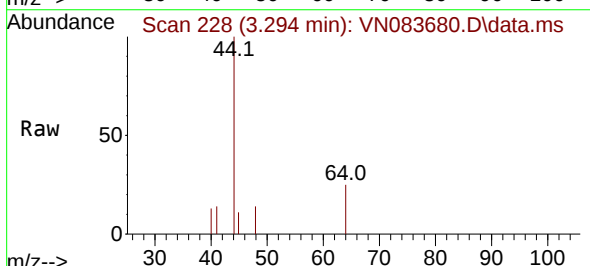
Acq: 05 Sep 2024 17:03

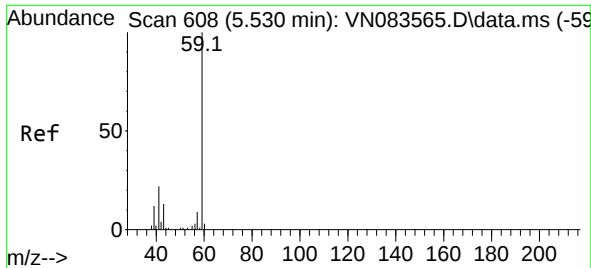
Tgt Ion: 64 Resp: 494

Ion Ratio Lower Upper

64 100

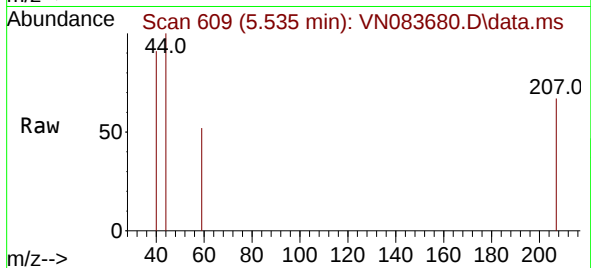
66 0.0 23.9 35.9#



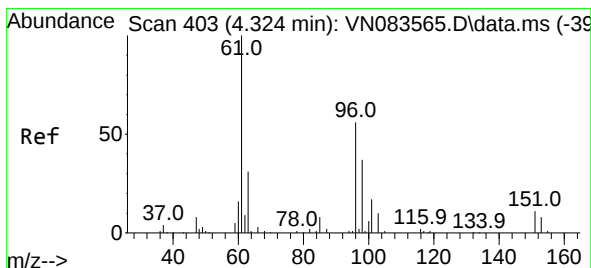
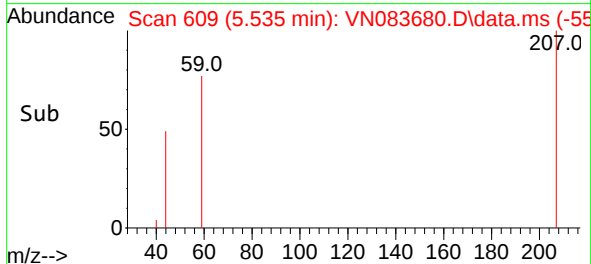
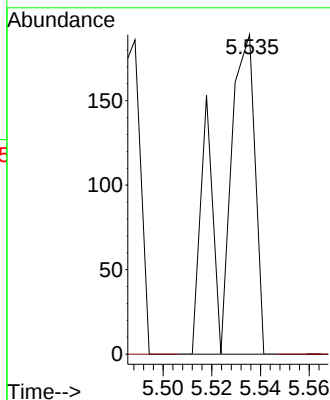


#11
Tert butyl alcohol
Concen: 0.613 ug/l
RT: 5.535 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :

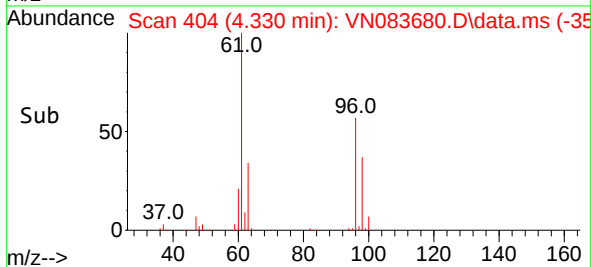
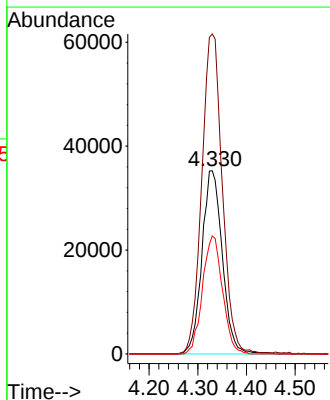
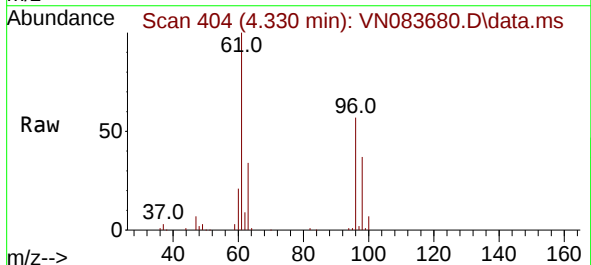


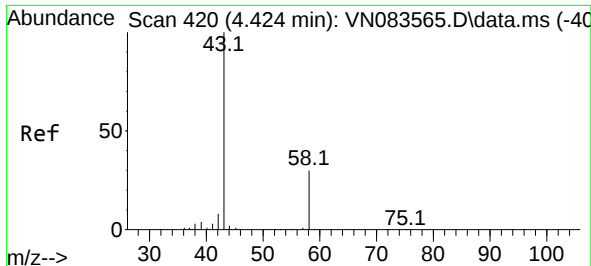
Tgt Ion: 59 Resp: 178
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 70.122 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 96 Resp: 102434
Ion Ratio Lower Upper
96 100
61 174.6 143.4 215.0
98 64.5 52.7 79.1





#16

Acetone

Concen: 3.106 ug/l

RT: 4.441 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

Instrument :

MSVOA_N

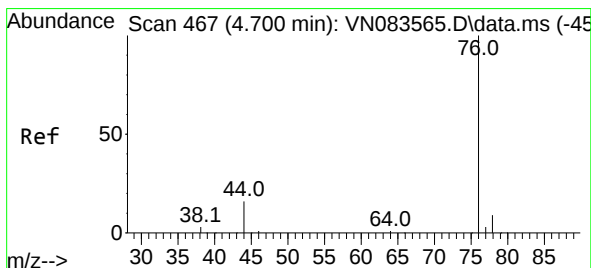
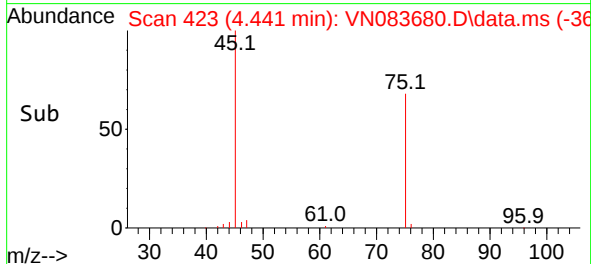
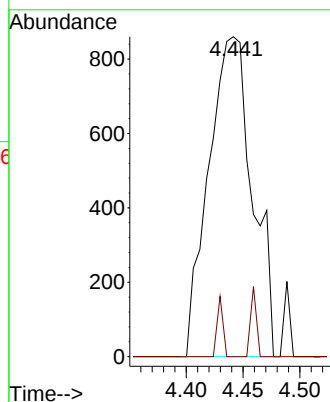
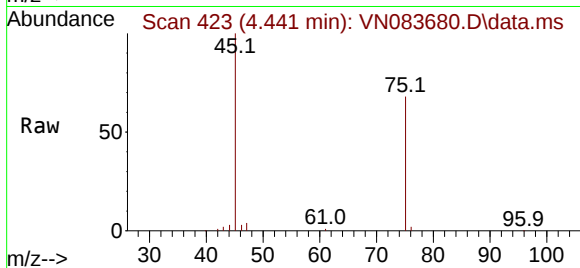
ClientSampleId :

Tgt Ion: 43 Resp: 2308

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#17

Carbon Disulfide

Concen: 4.368 ug/l

RT: 4.700 min Scan# 467

Delta R.T. -0.000 min

Lab File: VN083680.D

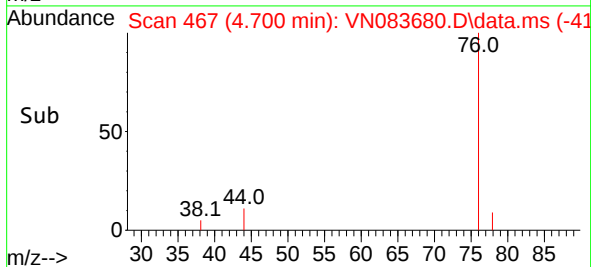
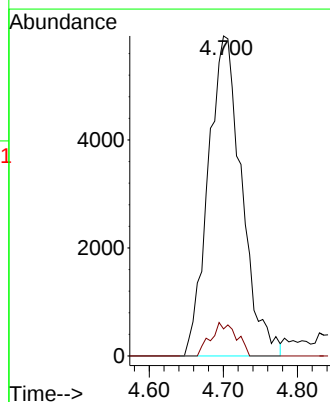
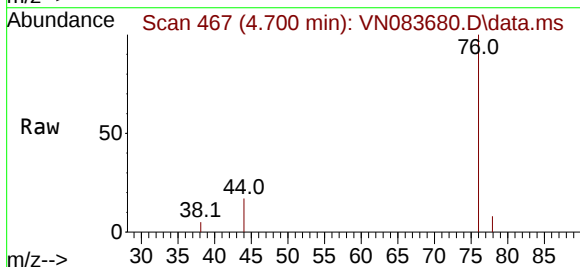
Acq: 05 Sep 2024 17:03

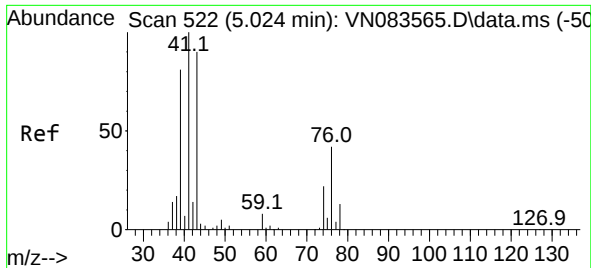
Tgt Ion: 76 Resp: 18595

Ion Ratio Lower Upper

76 100

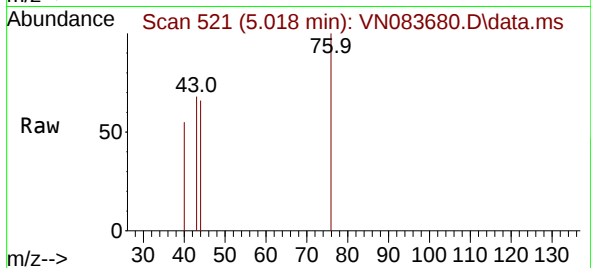
78 8.5 7.1 10.7



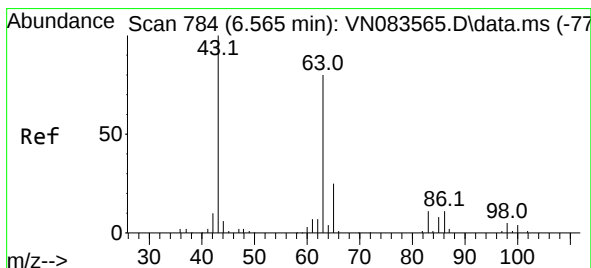
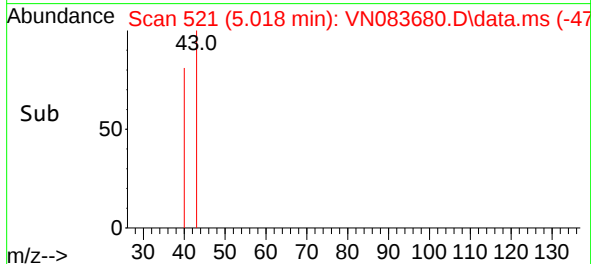
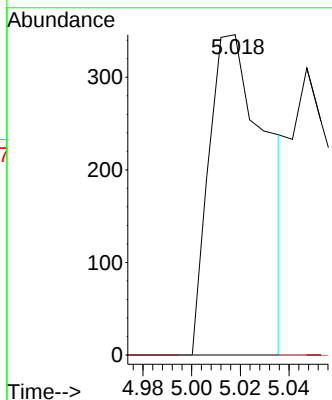


#18
Methyl Acetate
Concen: 0.288 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :

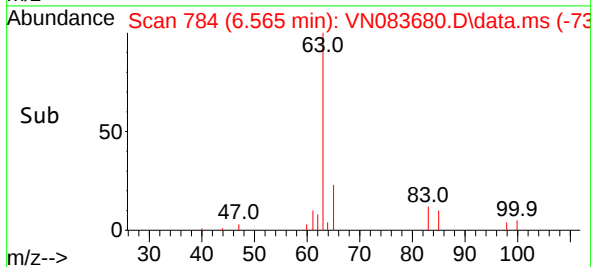
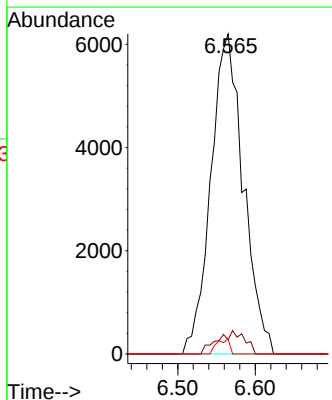
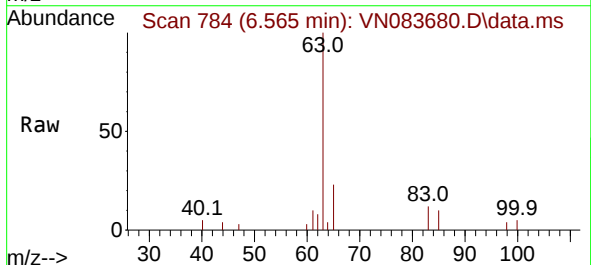


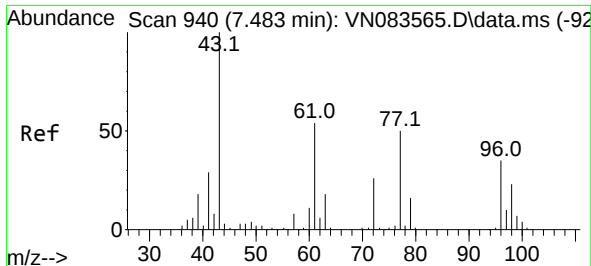
Tgt Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#24
1,1-Dichloroethane
Concen: 6.176 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 63 Resp: 18087
Ion Ratio Lower Upper
63 100
98 4.4 3.5 10.4
100 4.7 2.5 7.5

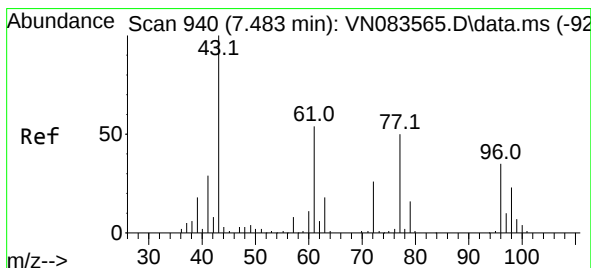
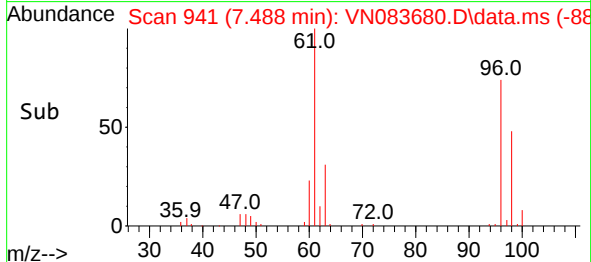
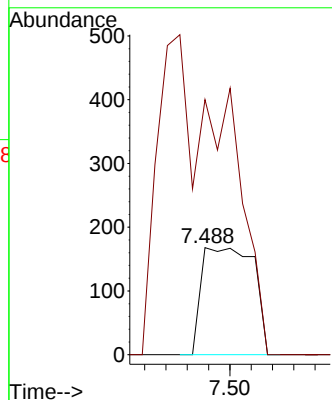
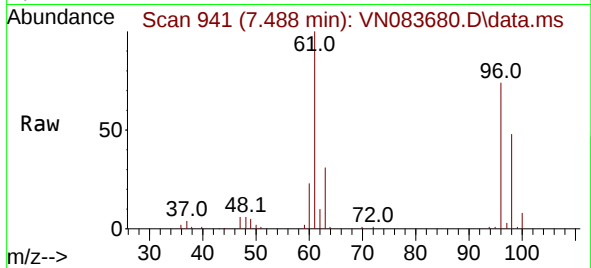




#25
2-Butanone
Concen: 0.281 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

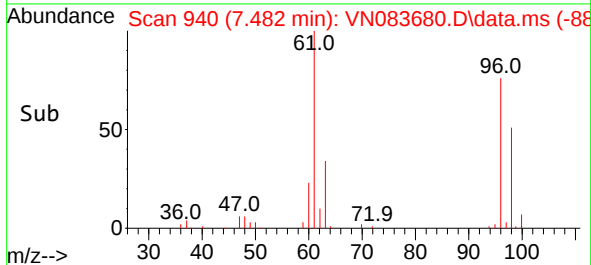
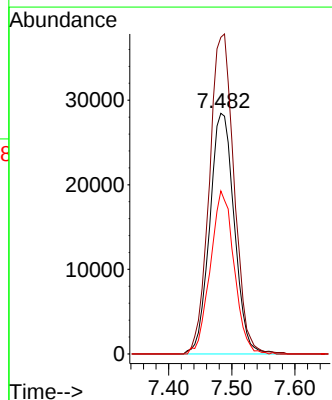
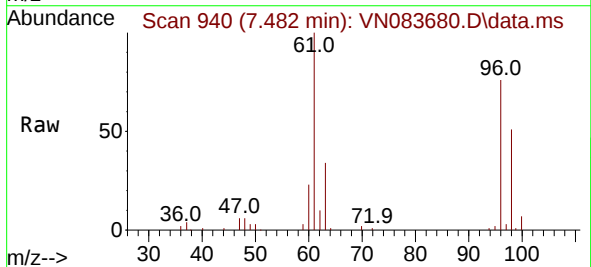
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MSVOA_N
ClientSampleId :

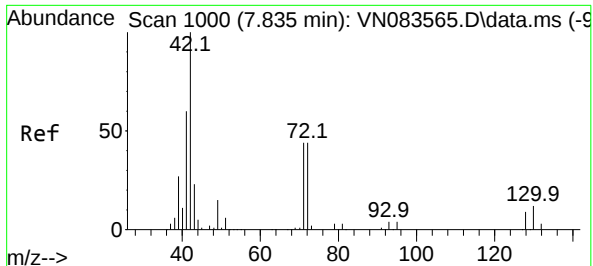
Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
72 238.1 20.8 31.2#



#27
cis-1,2-Dichloroethene
Concen: 42.302 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 96 Resp: 76809
Ion Ratio Lower Upper
96 100
61 133.9 0.0 306.2
98 65.5 0.0 128.6





#29

Tetrahydrofuran

Concen: 2.691 ug/l

RT: 7.853 min Scan# 1000

Delta R.T. 0.018 min

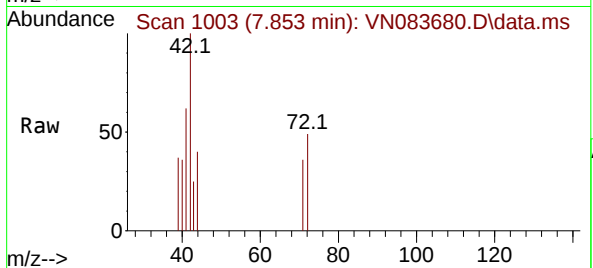
Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

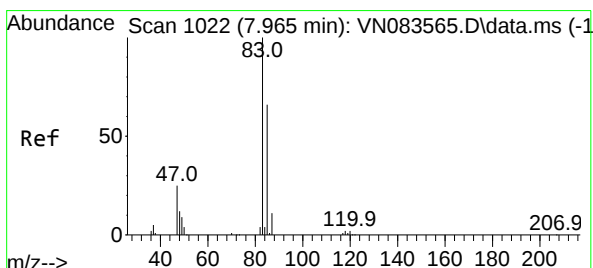
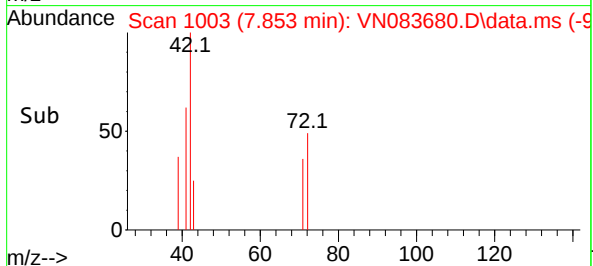
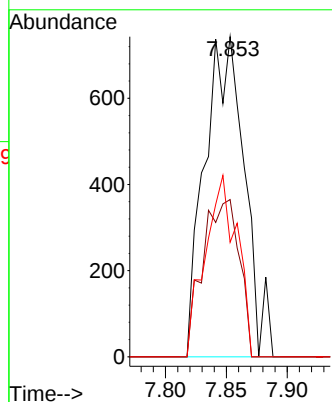
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 1689
Ion Ratio	Lower Upper
42	100
72	45.1 35.9 53.9
71	45.6 33.9 50.9



#30

Chloroform

Concen: 0.309 ug/l

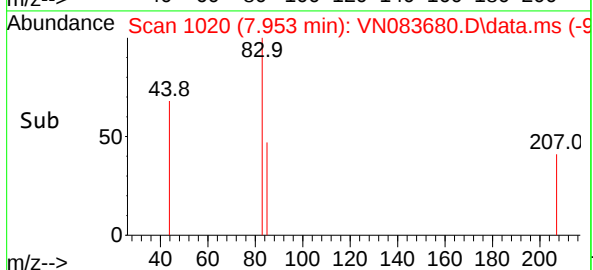
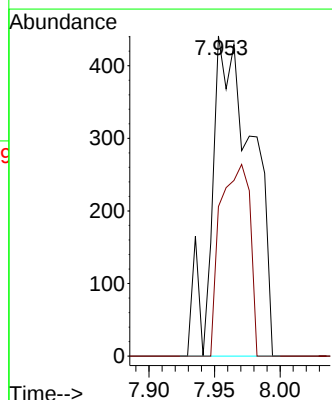
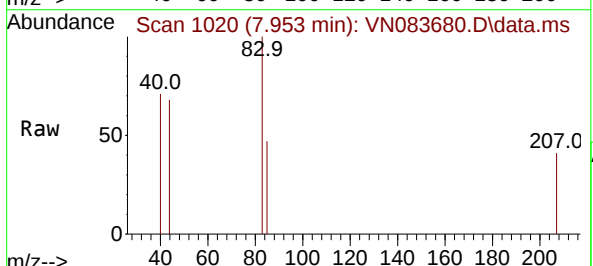
RT: 7.953 min Scan# 1020

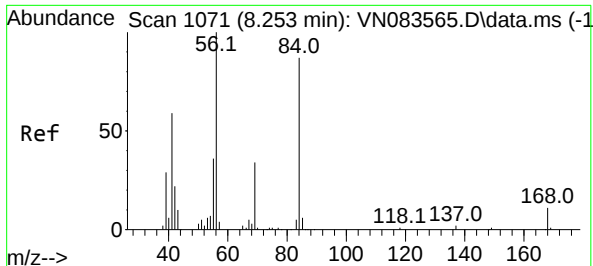
Delta R.T. -0.012 min

Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

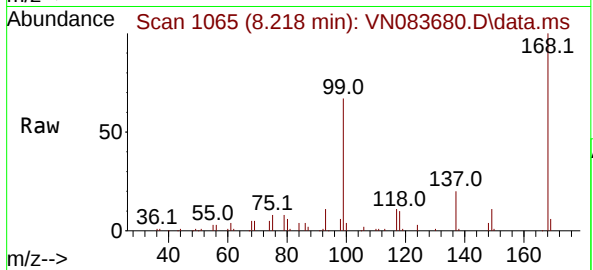
Tgt Ion: 83	Resp: 953
Ion Ratio	Lower Upper
83	100
85	46.7 52.8 79.2#



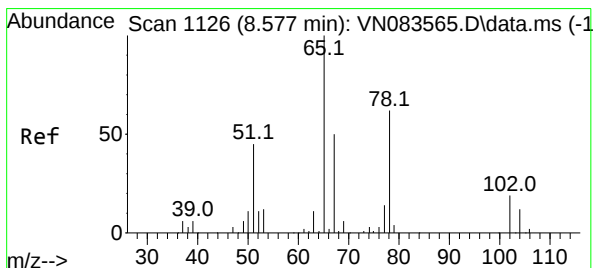
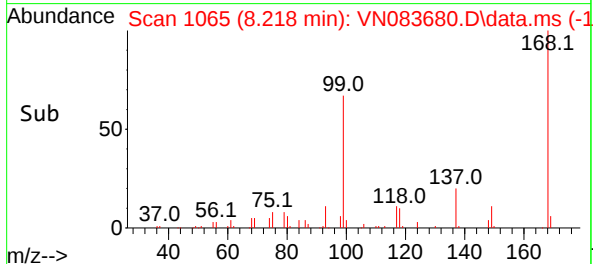
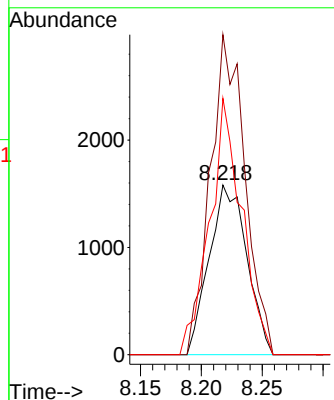


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :

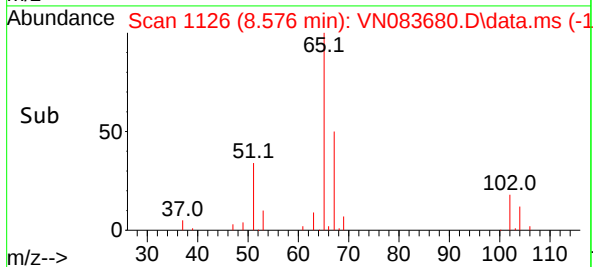
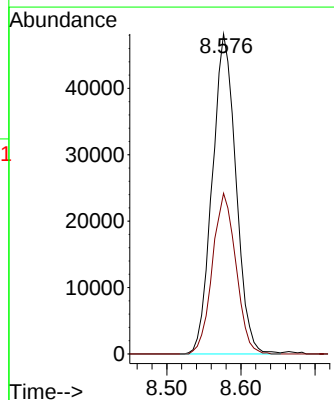
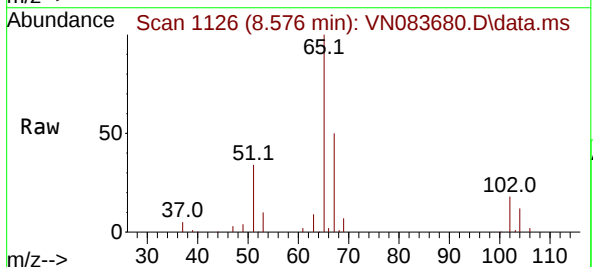


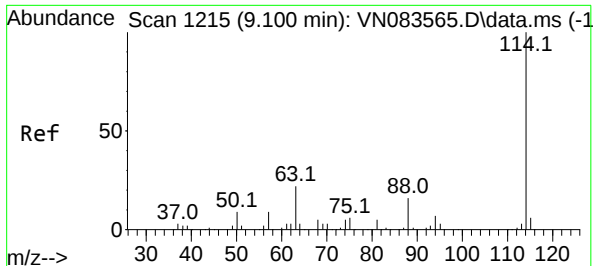
Tgt Ion: 56 Resp: 3410
Ion Ratio Lower Upper
56 100
69 188.7 26.9 40.3#
84 151.1 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 57.275 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 65 Resp: 106738
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

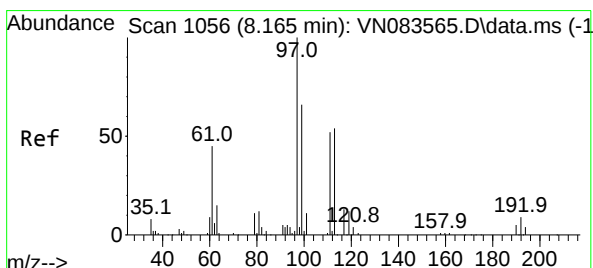
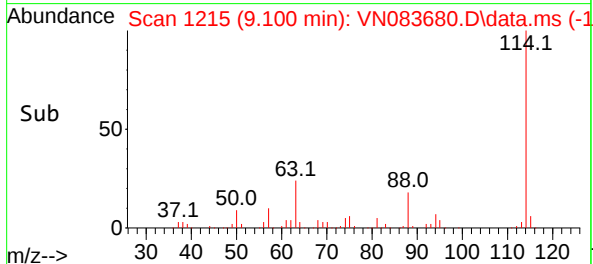
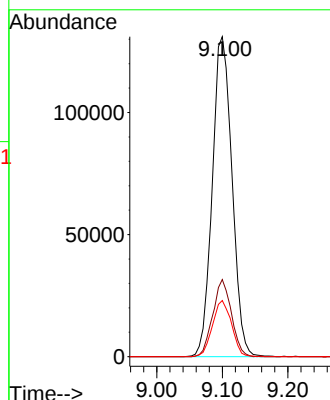
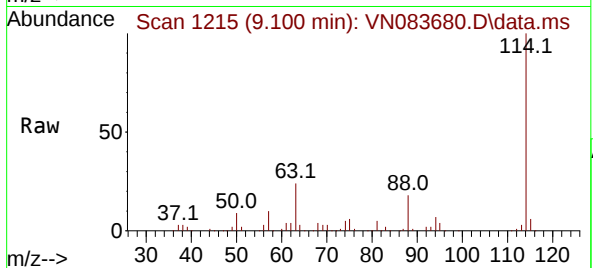
Tgt Ion:114 Resp: 273820

Ion Ratio Lower Upper

114 100

63 24.1 0.0 43.4

88 17.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.269 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

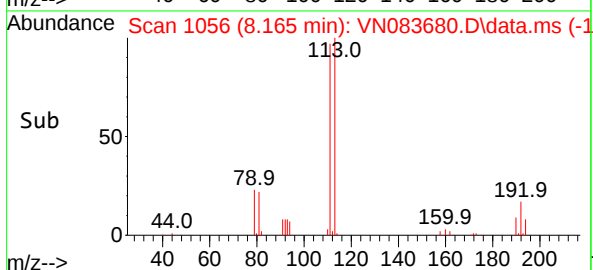
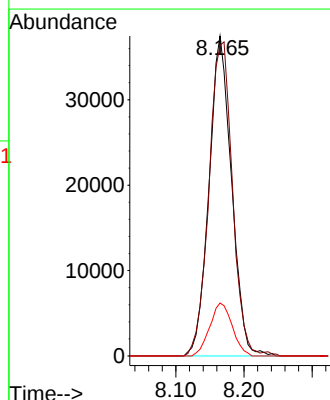
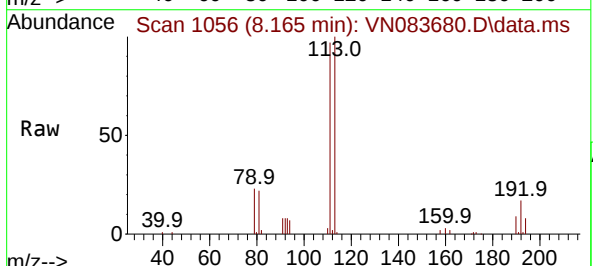
Tgt Ion:113 Resp: 86142

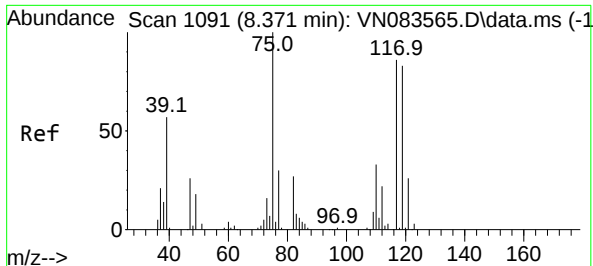
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 16.6 14.3 21.5

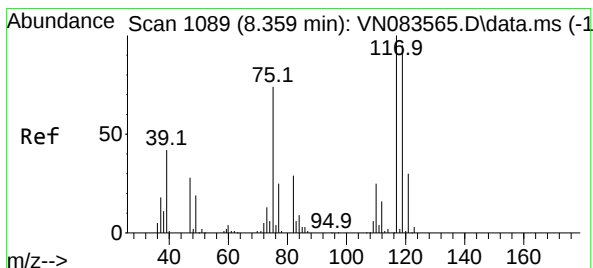
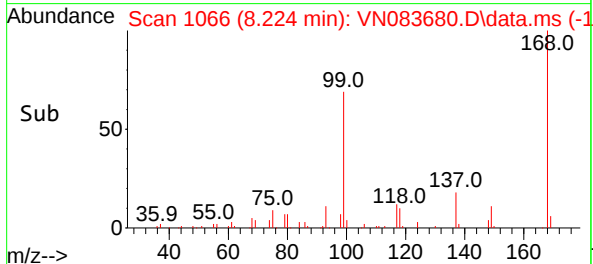
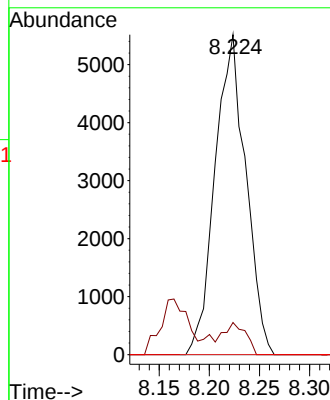
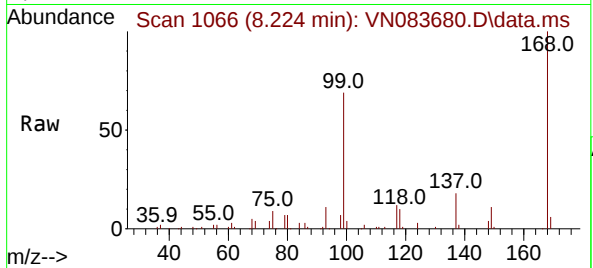




#36
1,1-Dichloropropene
Concen: 4.687 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

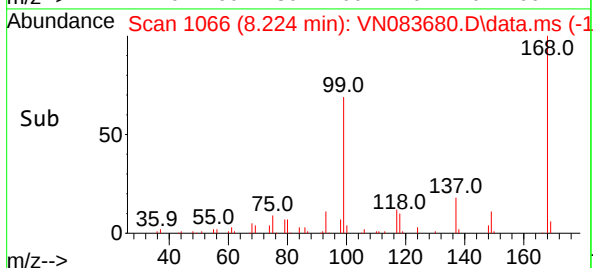
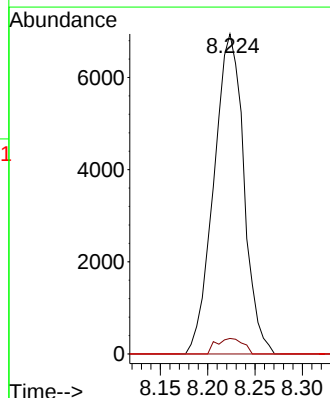
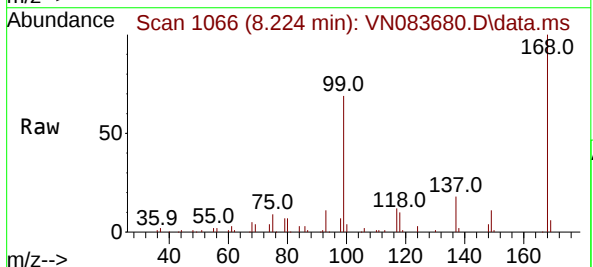
Instrument :
MSVOA_N
ClientSampleId :

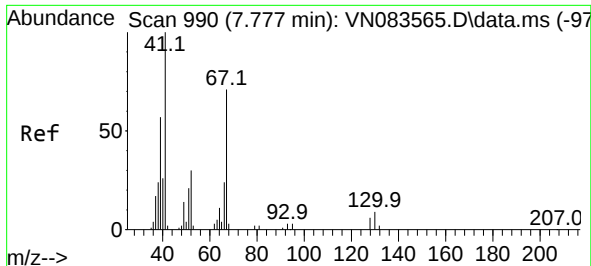
Tgt Ion: 75 Resp: 11783
Ion Ratio Lower Upper
75 100
110 7.2 16.7 50.1#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.338 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

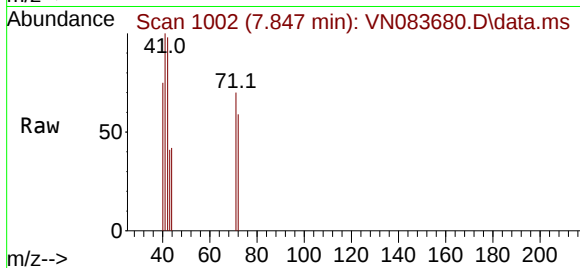
Tgt Ion: 117 Resp: 15309
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.1 36.1#



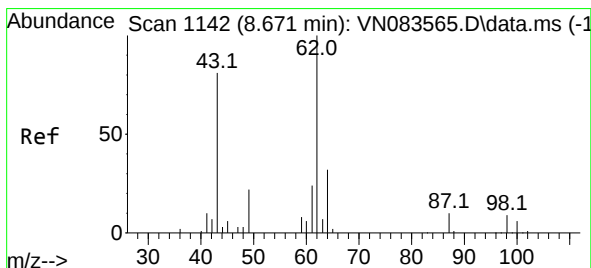
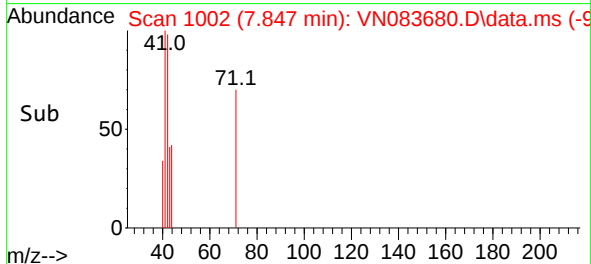
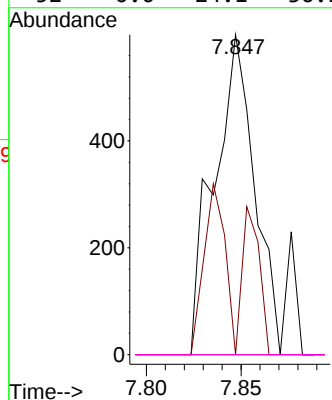


#41
Methacrylonitrile
Concen: 0.625 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.070 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :

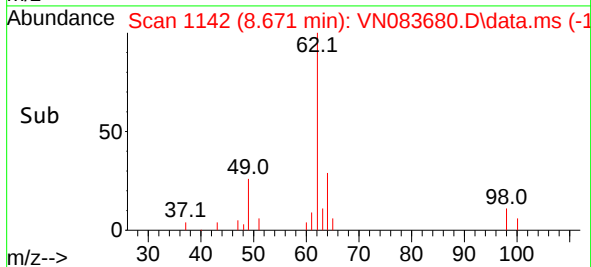
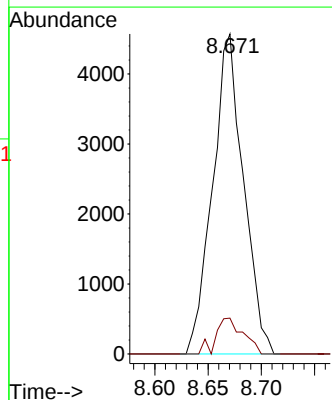
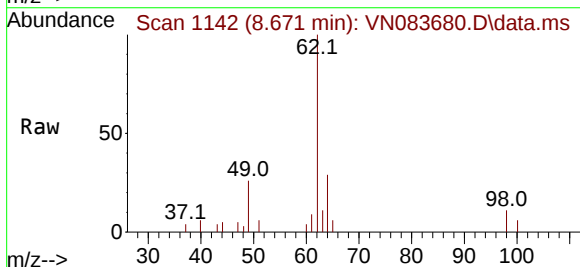


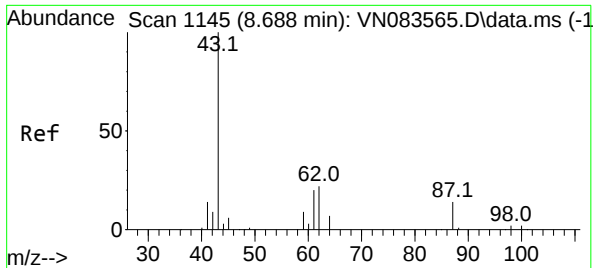
Tgt Ion:	41	Resp:	892
Ion	Ratio	Lower	Upper
41	100		
39	19.3	45.4	68.2#
67	0.0	55.9	83.9#
52	0.0	24.1	36.1#



#42
1,2-Dichloroethane
Concen: 3.211 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion:	62	Resp:	9205
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	16.6

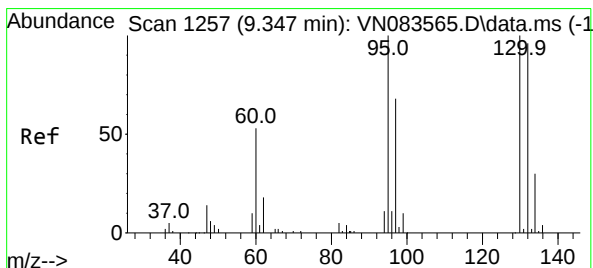
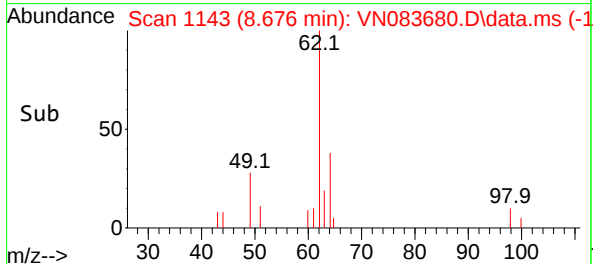
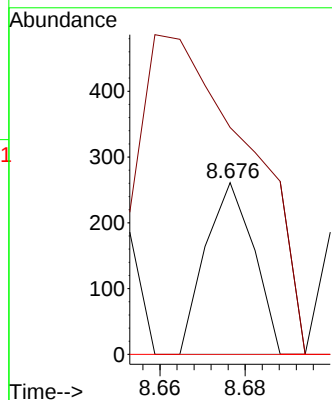
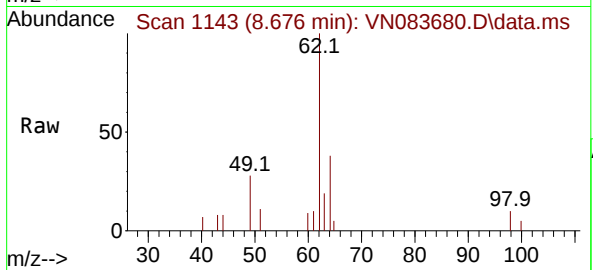




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.676 min Scan# 1143
Delta R.T. -0.012 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

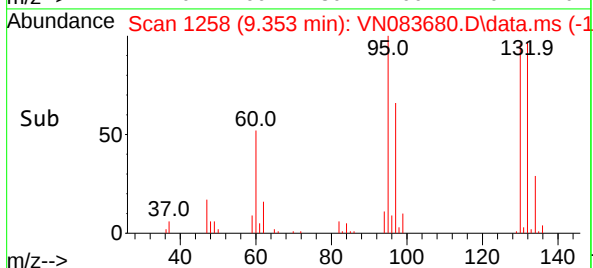
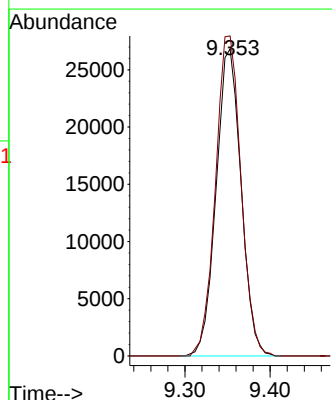
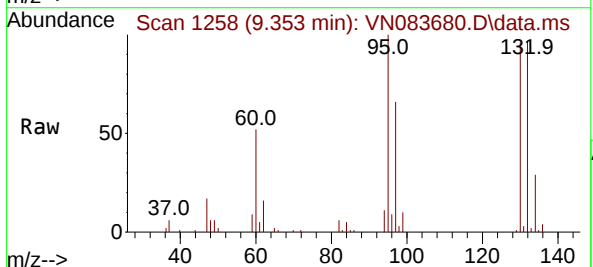
Instrument :
MSVOA_N
ClientSampleId :

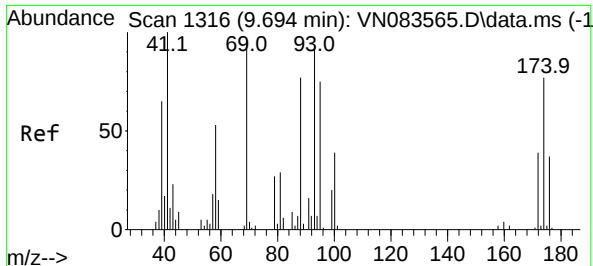
Tgt Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#



#44
Trichloroethene
Concen: 29.346 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. 0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion:130 Resp: 54591
Ion Ratio Lower Upper
130 100
95 104.2 0.0 200.4





#49

1,4-Dioxane

Concen: 63.556 ug/l

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN083680.D

Acq: 05 Sep 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

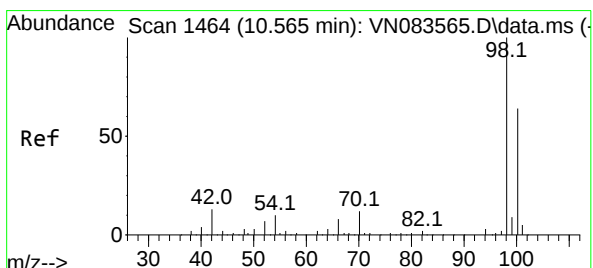
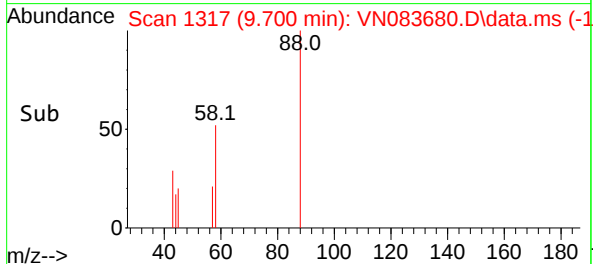
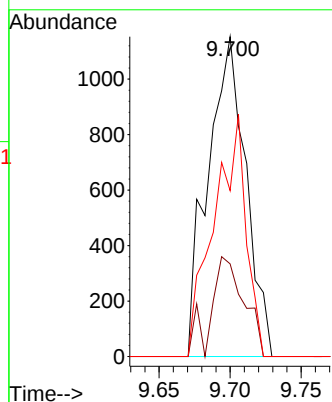
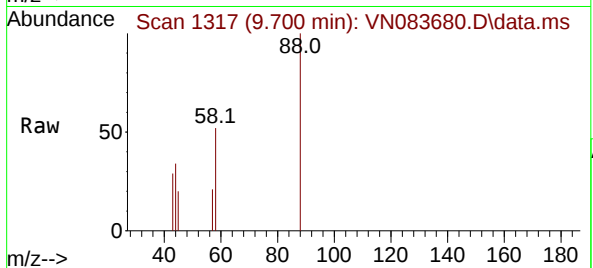
Tgt Ion: 88 Resp: 2137

Ion Ratio Lower Upper

88 100

43 27.4 0.0 0.0#

58 64.1 57.1 85.7



#50

Toluene-d8

Concen: 48.811 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083680.D

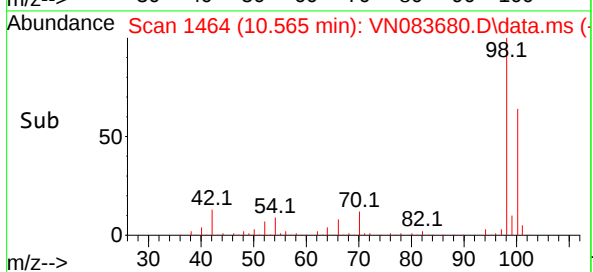
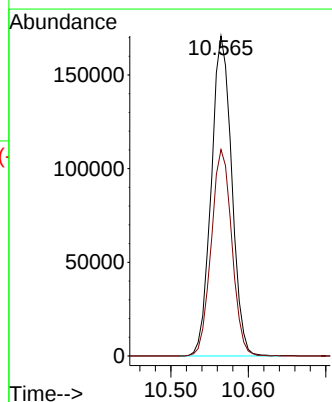
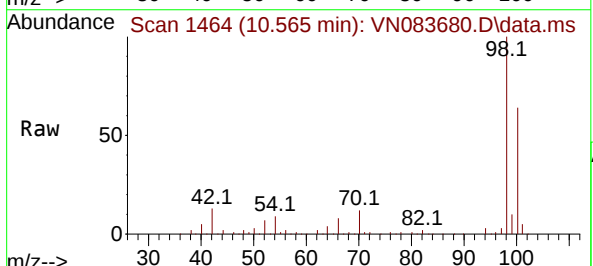
Acq: 05 Sep 2024 17:03

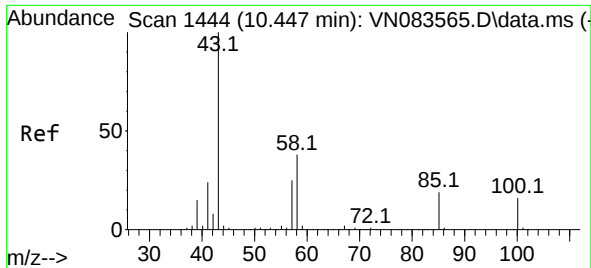
Tgt Ion: 98 Resp: 313440

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

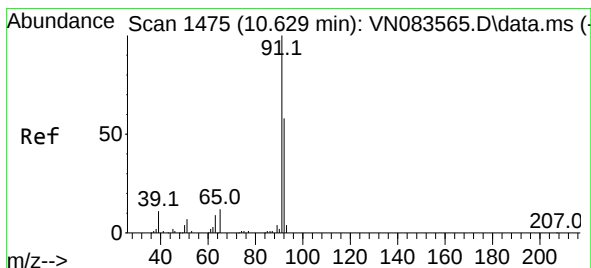
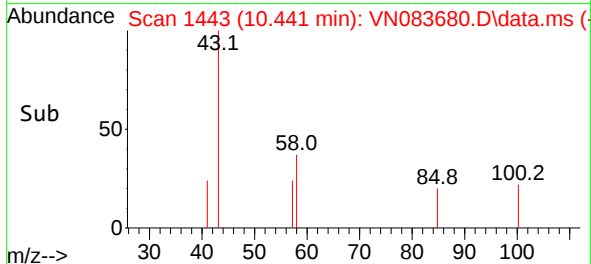
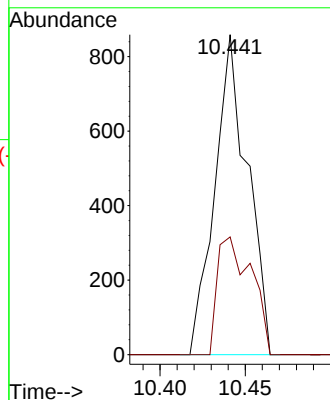
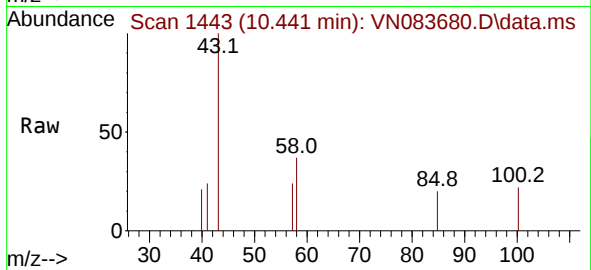




#51
4-Methyl-2-Pentanone
Concen: 0.494 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

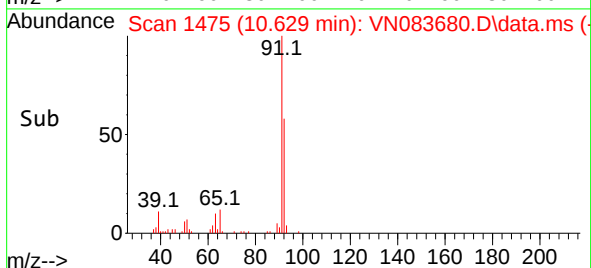
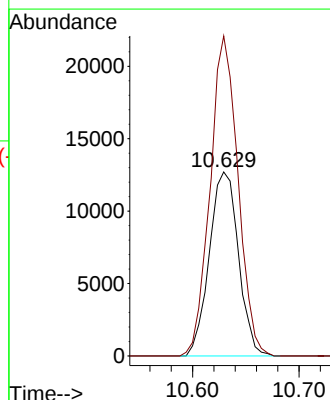
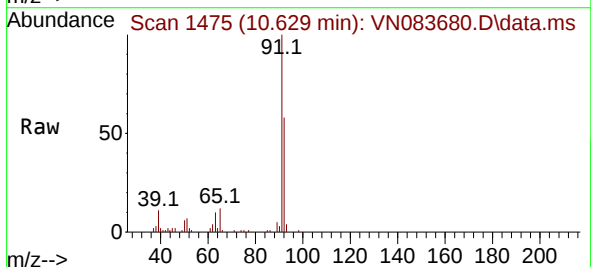
Instrument :
MSVOA_N
ClientSampleId :

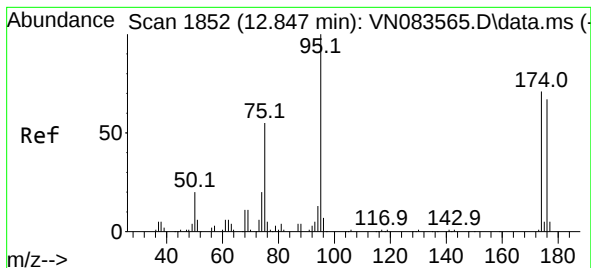
Tgt Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 38.2 31.6 47.4



#52
Toluene
Concen: 4.984 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 92 Resp: 24102
Ion Ratio Lower Upper
92 100
91 166.4 134.7 202.1

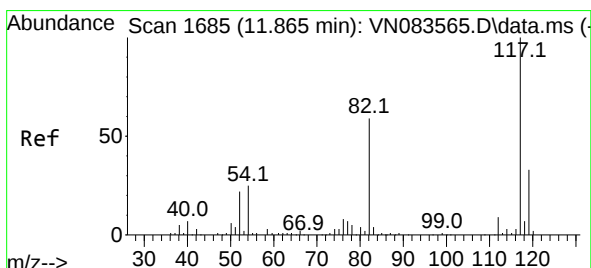
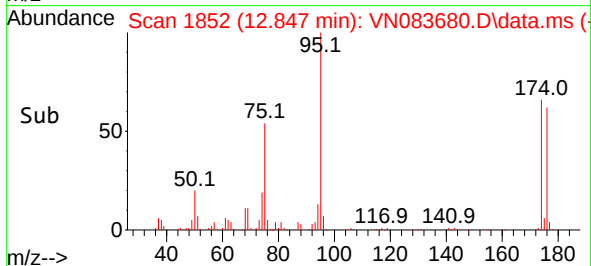
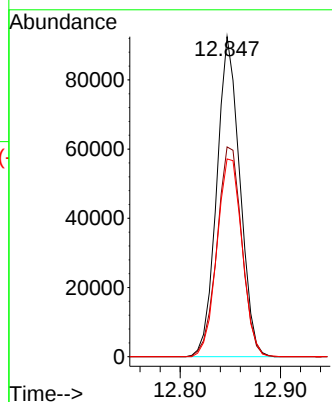
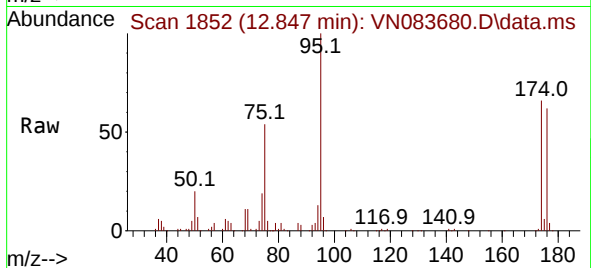




#62
4-Bromofluorobenzene
Concen: 62.100 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

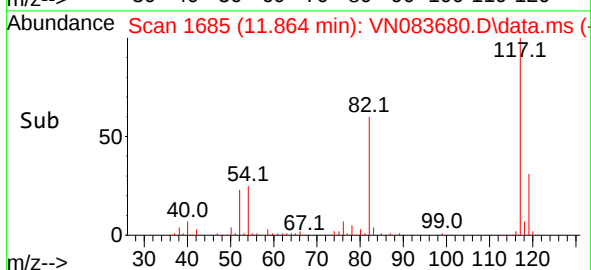
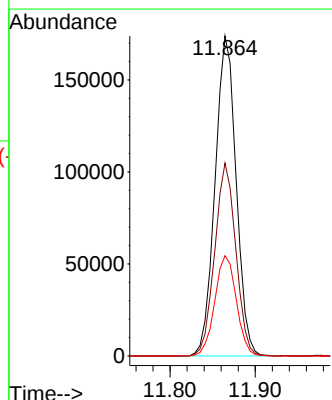
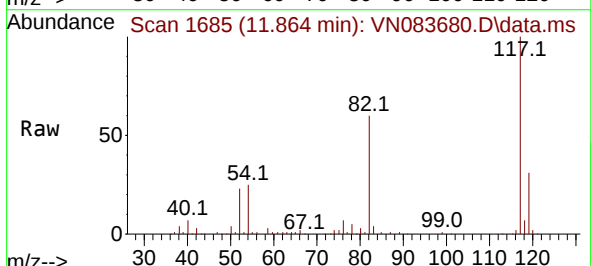
Instrument :
MSVOA_N
ClientSampleId :

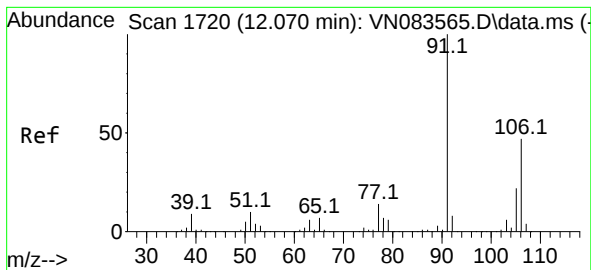
Tgt Ion: 95 Resp: 147641
Ion Ratio Lower Upper
95 100
174 70.4 0.0 139.8
176 67.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 117 Resp: 298726
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.0
119 31.4 26.3 39.5

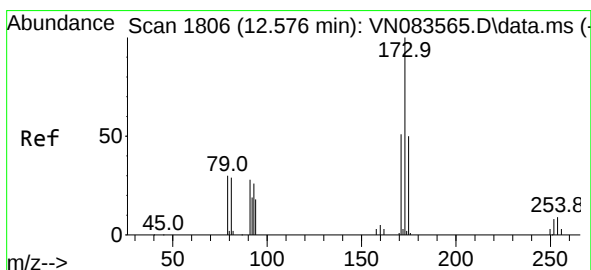
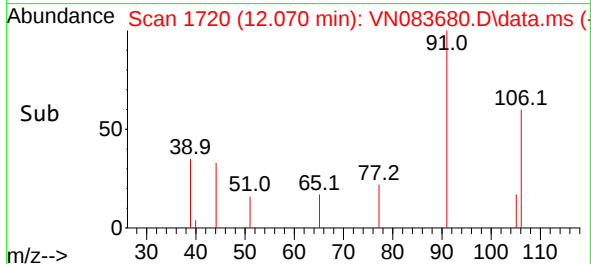
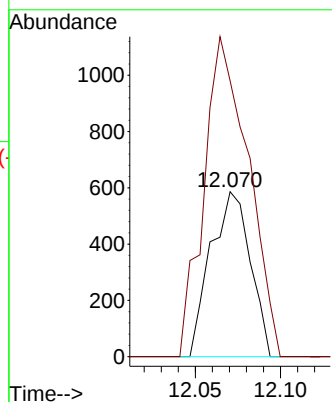
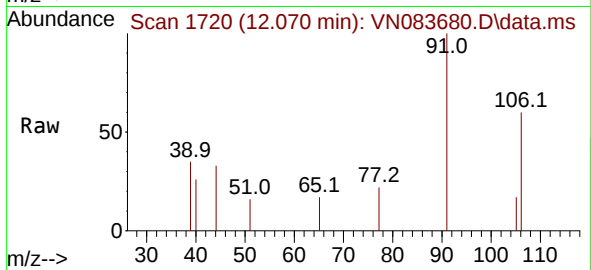




#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 12.070 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

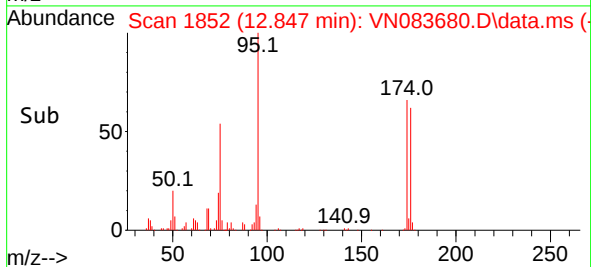
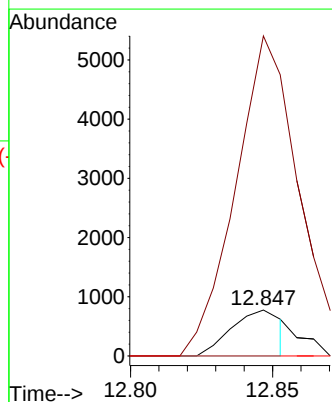
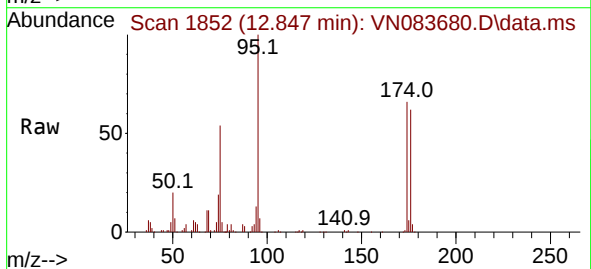
Instrument :
MSVOA_N
ClientSampleId :

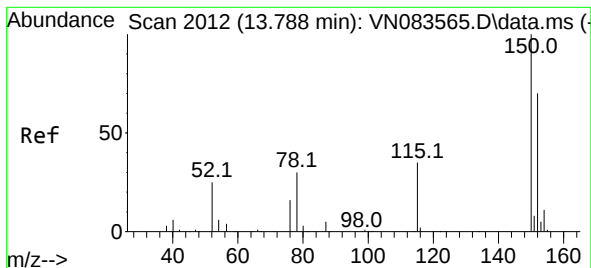
Tgt Ion:106 Resp: 947
Ion Ratio Lower Upper
106 100
91 217.7 169.2 253.8



#71
Bromoform
Concen: 0.592 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion:173 Resp: 954
Ion Ratio Lower Upper
173 100
175 664.2 24.1 72.2#
254 0.0 0.0 0.0

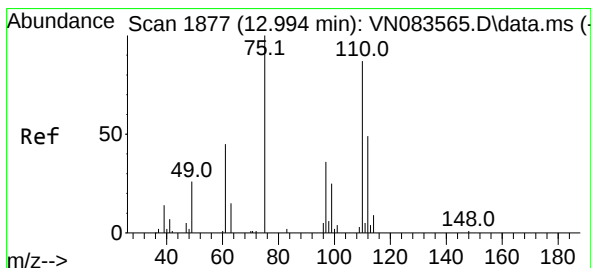
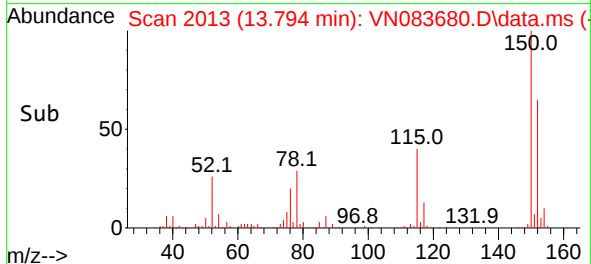
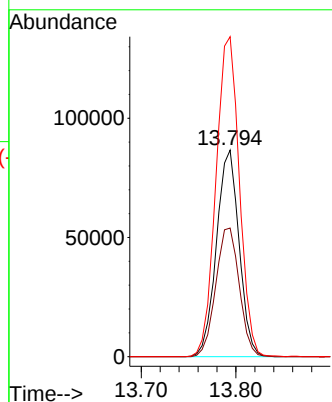
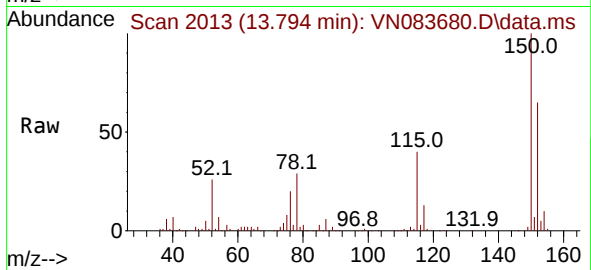




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

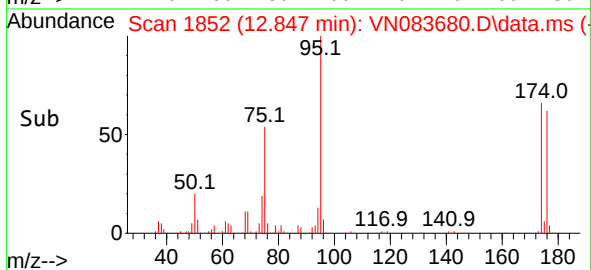
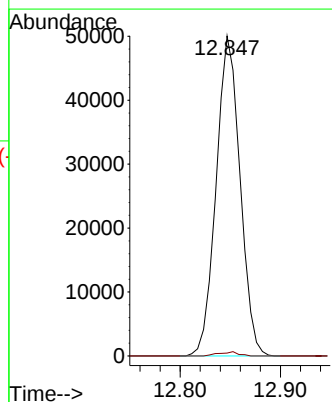
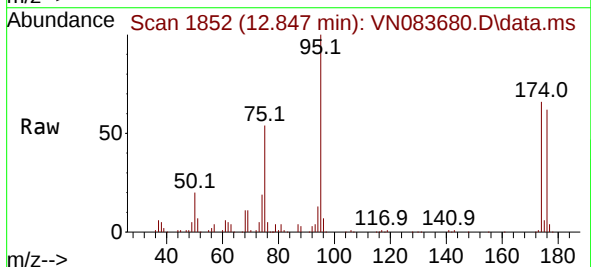
Instrument :
MSVOA_N
ClientSampleId :

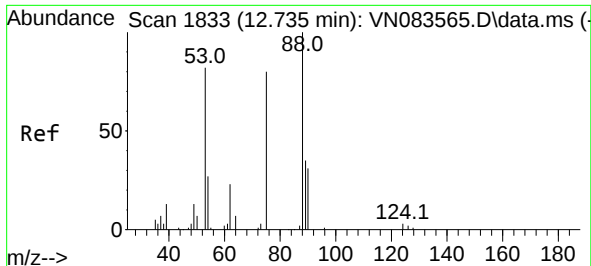
Tgt Ion:152 Resp: 143650
Ion Ratio Lower Upper
152 100
115 64.8 32.2 96.6
150 160.2 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 28.499 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 75 Resp: 82655
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#

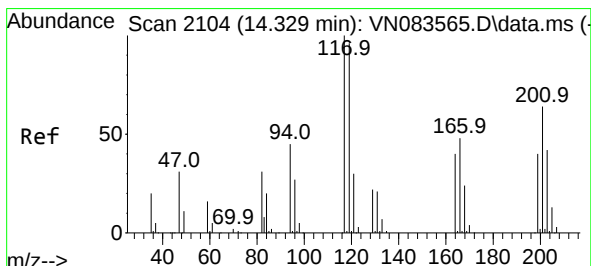
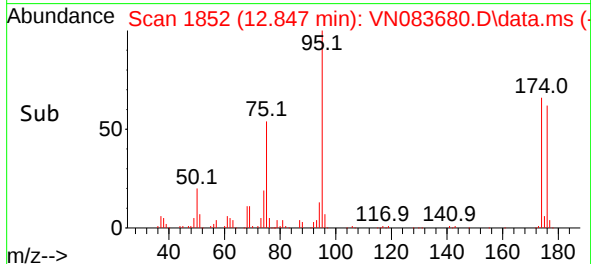
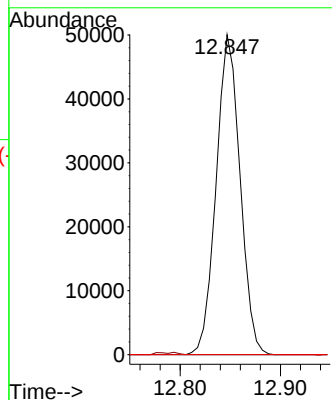
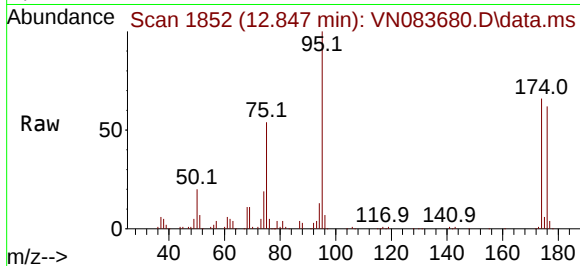




#81
trans-1,4-Dichloro-2-butene
Concen: 67.217 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 82655
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#90
Hexachloroethane
Concen: 0.430 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.012 min
Lab File: VN083680.D
Acq: 05 Sep 2024 17:03

Tgt Ion: 117 Resp: 810
Ion Ratio Lower Upper
117 100
201 0.0 32.8 98.3#

