

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090324\
 Data File : VN083634.D
 Acq On : 03 Sep 2024 19:09
 Operator : JC\MD
 Sample : P3769-11DL 2X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 04 03:01:58 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)

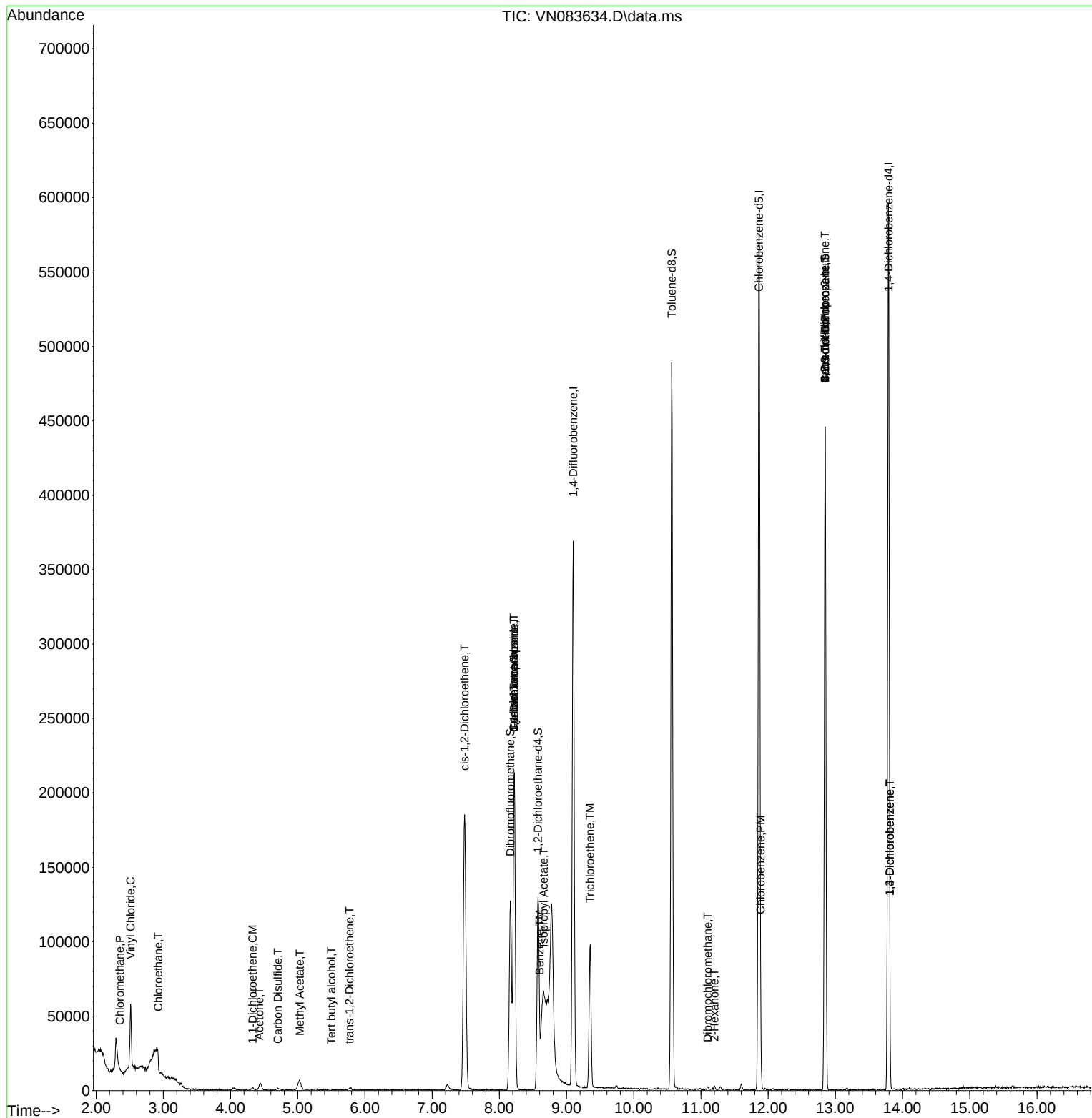
Internal Standards						
1) Pentafluorobenzene	8.224	168	147056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	300430	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	153616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112952	54.958	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.920%	
35) Dibromofluoromethane	8.165	113	90150	49.856	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.720%	
50) Toluene-d8	10.565	98	326960	46.463	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.920%	
62) 4-Bromofluorobenzene	12.847	95	154943	59.399	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 118.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	658	0.363	ug/l #	41
4) Vinyl Chloride	2.512	62	36980	20.381	ug/l #	87
6) Chloroethane	2.924	64	759	0.640	ug/l #	47
11) Tert butyl alcohol	5.500	59	205	0.640	ug/l #	71
12) 1,1-Dichloroethene	4.330	96	914	0.567	ug/l #	58
16) Acetone	4.430	43	1420	1.733	ug/l #	45
17) Carbon Disulfide	4.706	76	2382	0.507	ug/l #	75
18) Methyl Acetate	5.030	43	13761	6.313	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	949	0.566	ug/l #	40
27) cis-1,2-Dichloroethene	7.483	96	110522	55.193	ug/l	90
31) Cyclohexane	8.218	56	3919	1.233	ug/l #	18
36) 1,1-Dichloropropene	8.218	75	13258	4.807	ug/l #	50
38) Carbon Tetrachloride	8.218	117	16756	5.325	ug/l #	15
40) Benzene	8.600	78	3681	0.434	ug/l	94
43) Isopropyl Acetate	8.659	43	105108	18.334	ug/l #	59
44) Trichloroethene	9.347	130	33187	16.260	ug/l	94
59) 2-Hexanone	11.200	43	1225	0.640	ug/l #	24
60) Dibromochloromethane	11.100	129	638	0.291	ug/l #	10
65) Chlorobenzene	11.888	112	5341	0.751	ug/l	94
71) Bromoform	12.847	173	694	0.406	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	86070	27.751	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86070	65.454	ug/l #	9
87) 1,3-Dichlorobenzene	13.812	146	1810	0.320	ug/l #	58
88) 1,4-Dichlorobenzene	13.812	146	1810	0.311	ug/l #	59

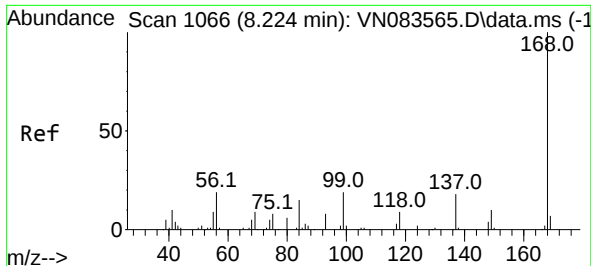
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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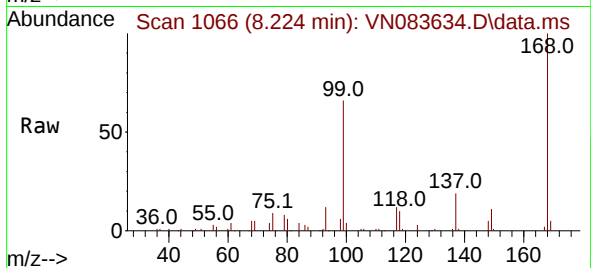
Quant Time: Sep 04 03:01:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
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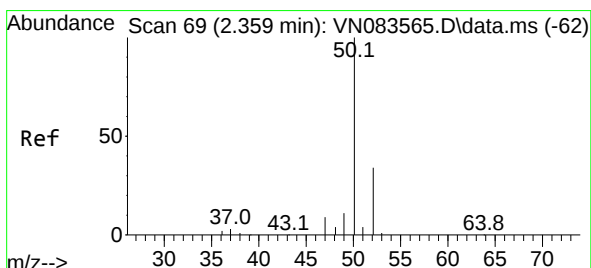
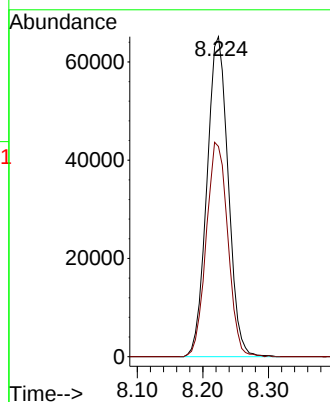
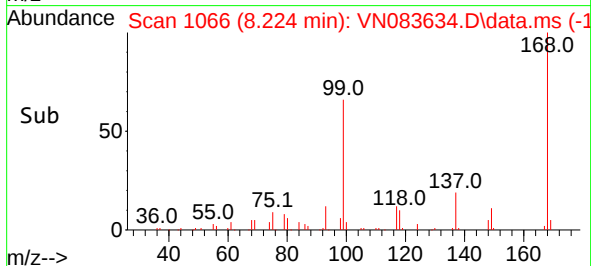


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Instrument :
MSVOA_N
ClientSampleId :

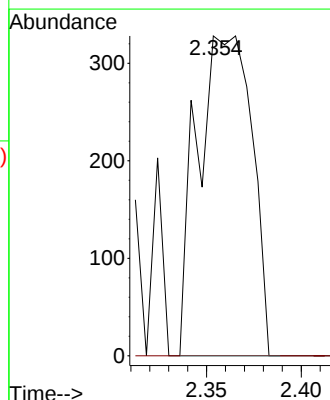
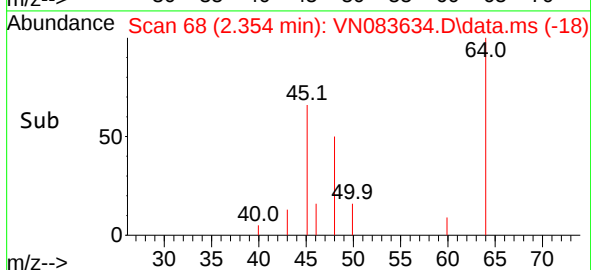
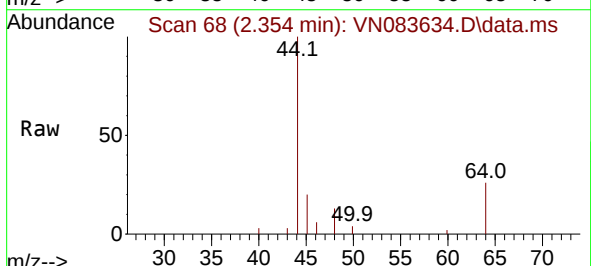


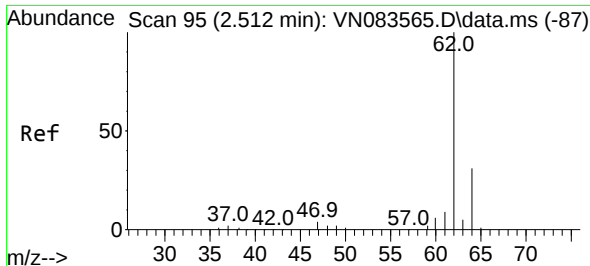
Tgt Ion:168 Resp: 147056
Ion Ratio Lower Upper
168 100
99 65.7 54.2 81.2



#3
Chloromethane
Concen: 0.363 ug/l
RT: 2.354 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

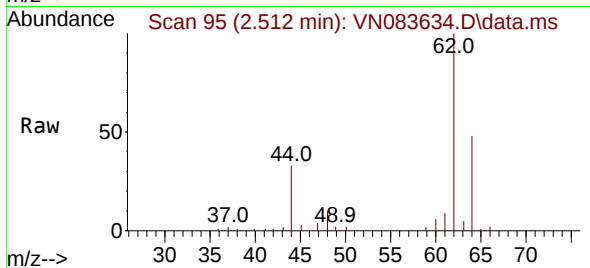
Tgt Ion: 50 Resp: 658
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



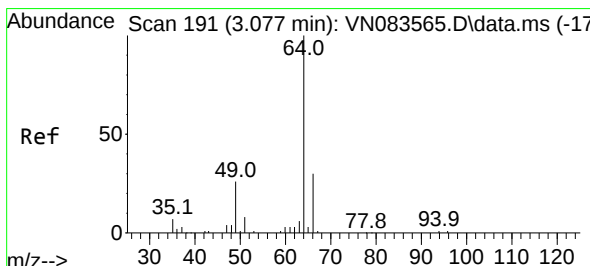
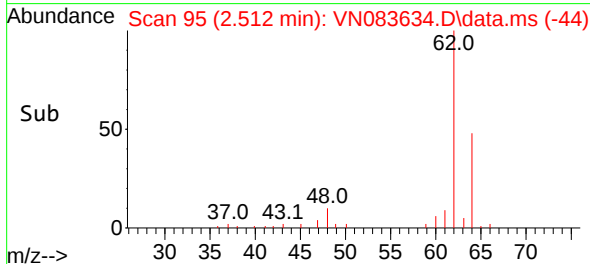
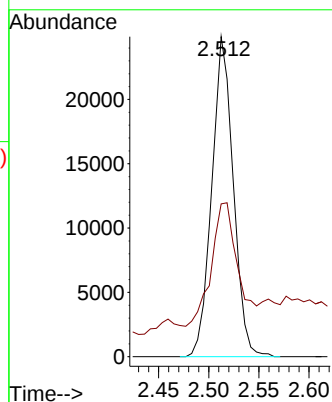


#4
 Vinyl Chloride
 Concen: 20.381 ug/l
 RT: 2.512 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN083634.D
 Acq: 03 Sep 2024 19:09

Instrument :
 MSVOA_N
 ClientSampleId :

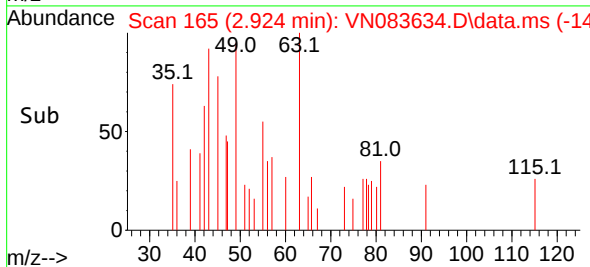
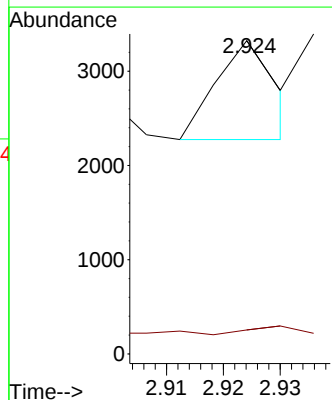
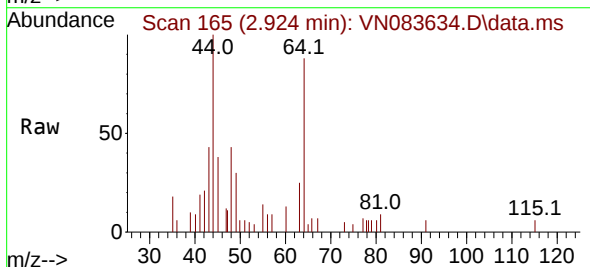


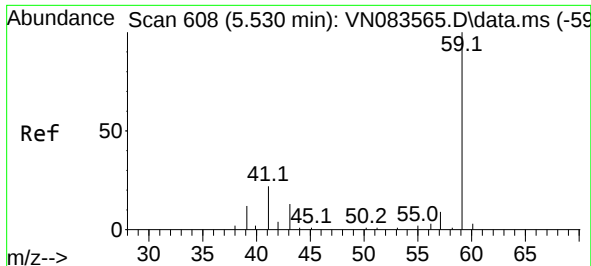
Tgt Ion: 62 Resp: 36980
 Ion Ratio Lower Upper
 62 100
 64 38.0 24.7 37.1#



#6
 Chloroethane
 Concen: 0.640 ug/l
 RT: 2.924 min Scan# 165
 Delta R.T. -0.153 min
 Lab File: VN083634.D
 Acq: 03 Sep 2024 19:09

Tgt Ion: 64 Resp: 759
 Ion Ratio Lower Upper
 64 100
 66 1.2 23.9 35.9#

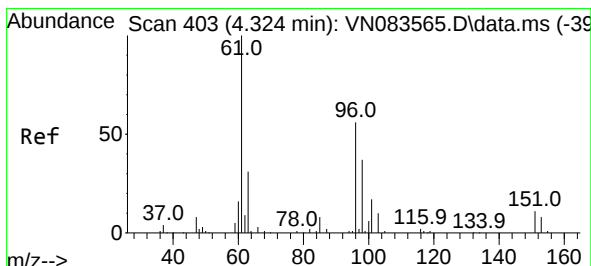
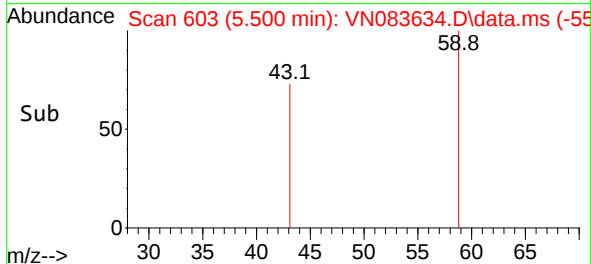
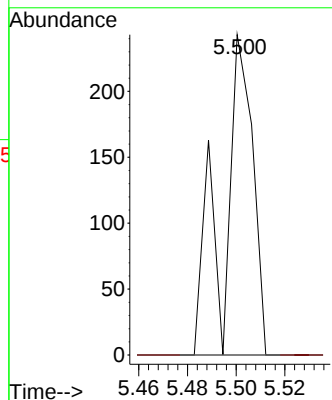
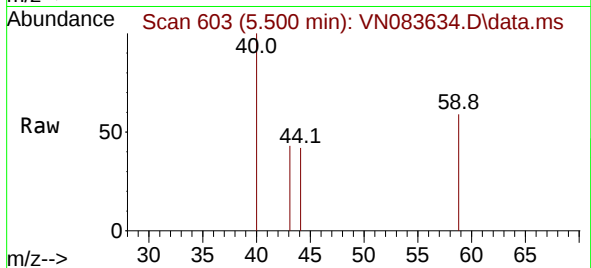




#11
Tert butyl alcohol
Concen: 0.640 ug/l
RT: 5.500 min Scan# 608
Delta R.T. -0.029 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

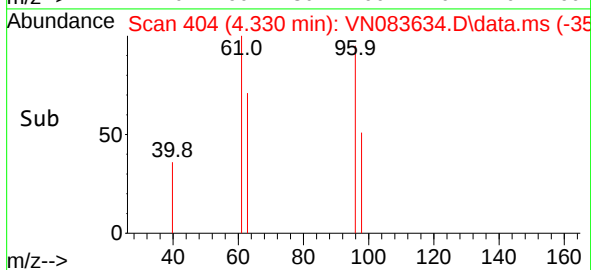
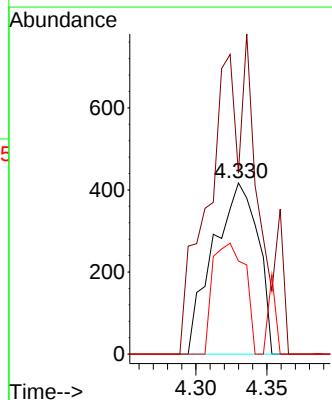
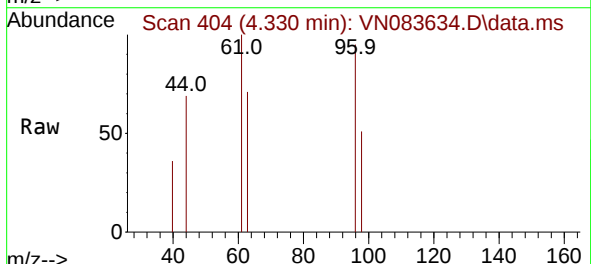
Instrument :
MSVOA_N
ClientSampleId :

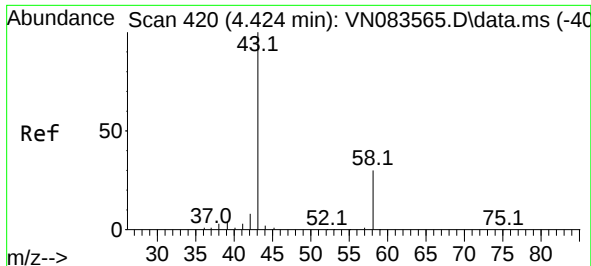
Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 0.567 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.006 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Tgt Ion: 96 Resp: 914
Ion Ratio Lower Upper
96 100
61 105.8 143.4 215.0#
98 54.4 52.7 79.1

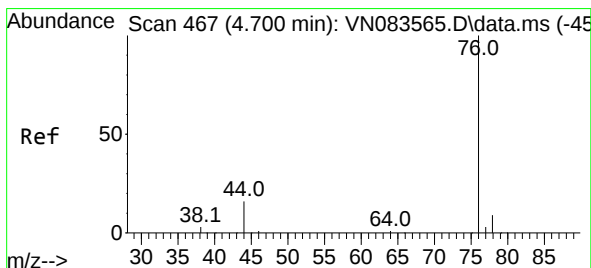
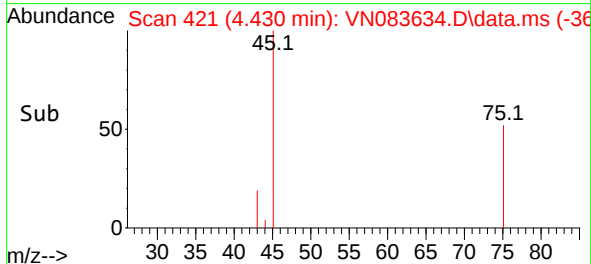
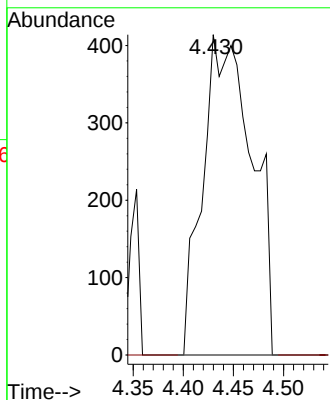
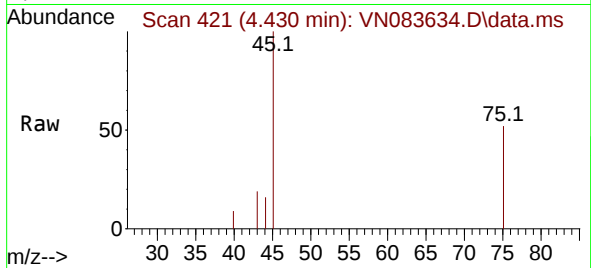




#16
Acetone
Concen: 1.733 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

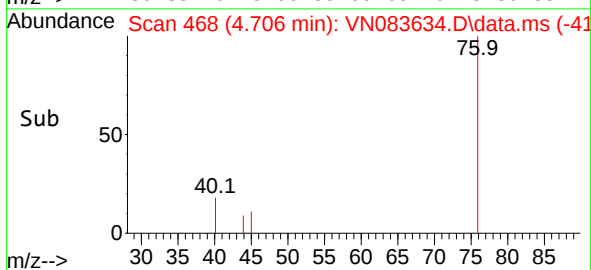
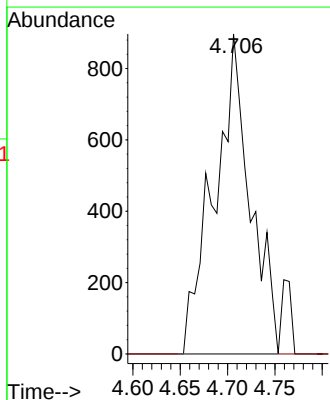
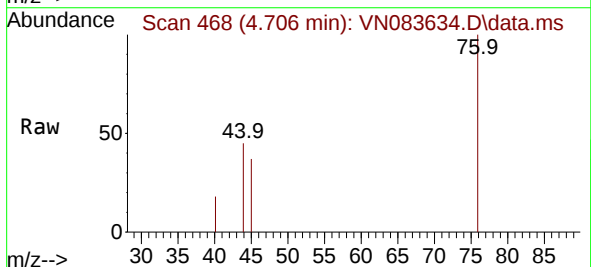
Instrument :
MSVOA_N
ClientSampleId :

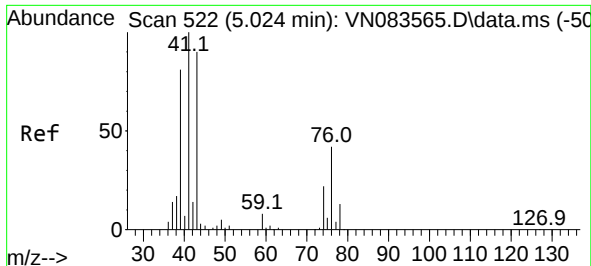
Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#17
Carbon Disulfide
Concen: 0.507 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.006 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Tgt Ion: 76 Resp: 2382
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

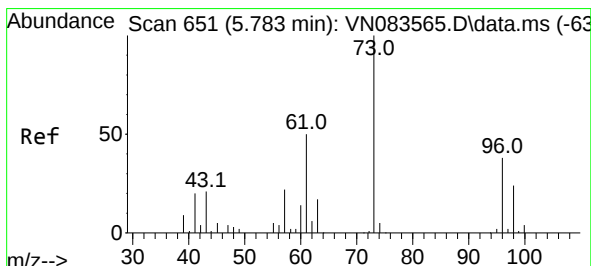
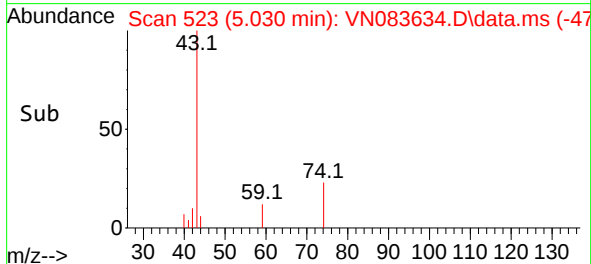
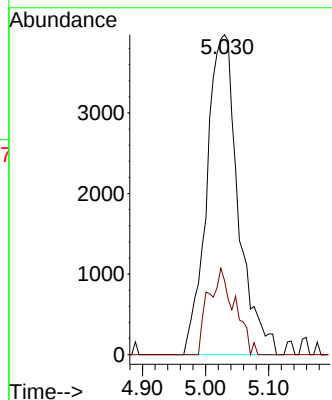
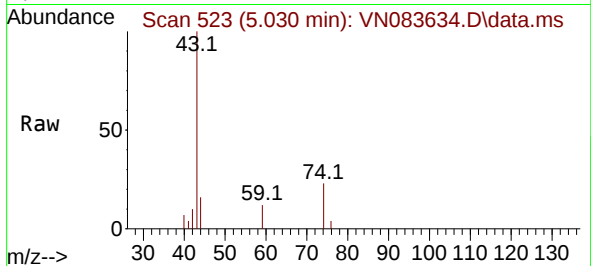




#18
Methyl Acetate
Concen: 6.313 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

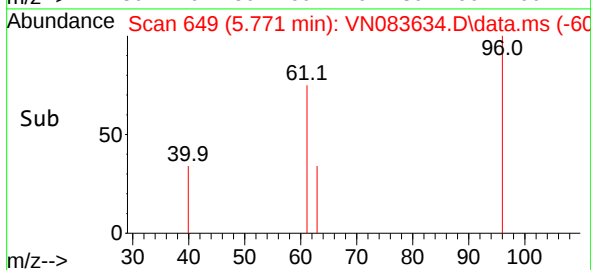
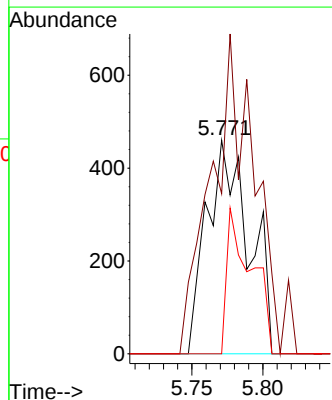
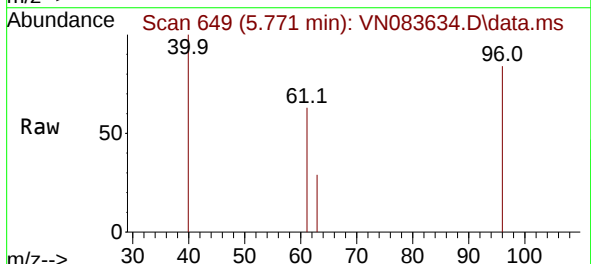
Instrument :
MSVOA_N
ClientSampleId :

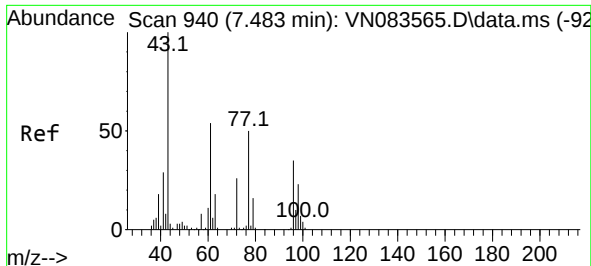
Tgt Ion: 43 Resp: 13761
Ion Ratio Lower Upper
43 100
74 22.6 19.0 28.4



#21
trans-1,2-Dichloroethene
Concen: 0.566 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.012 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

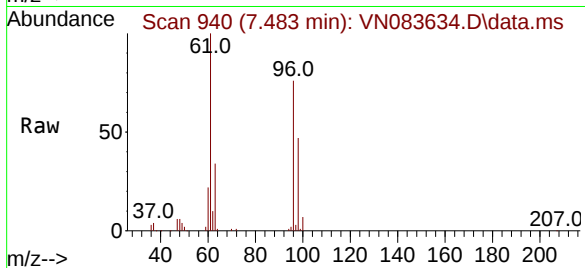
Tgt Ion: 96 Resp: 949
Ion Ratio Lower Upper
96 100
61 75.0 106.0 159.0#
98 0.0 52.2 78.2#



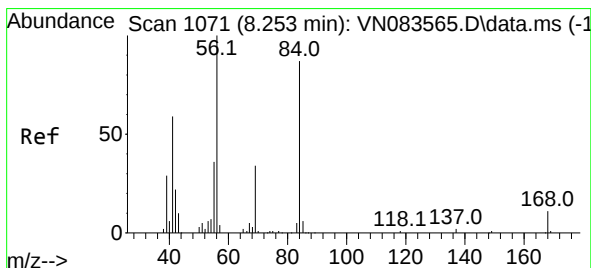
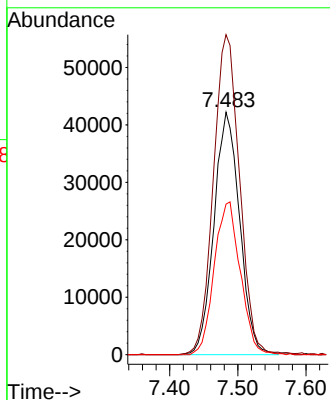
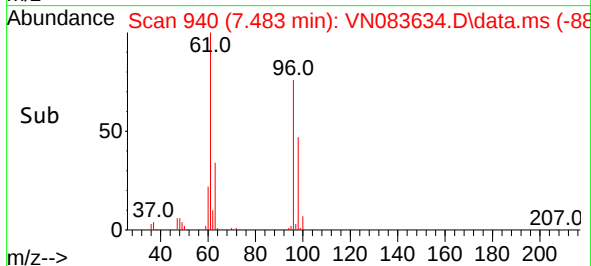


#27
 cis-1,2-Dichloroethene
 Concen: 55.193 ug/l
 RT: 7.483 min Scan# 94
 Delta R.T. 0.000 min
 Lab File: VN083634.D
 Acq: 03 Sep 2024 19:09

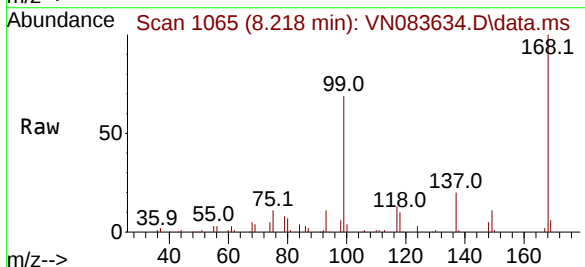
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 ClientSampleId :



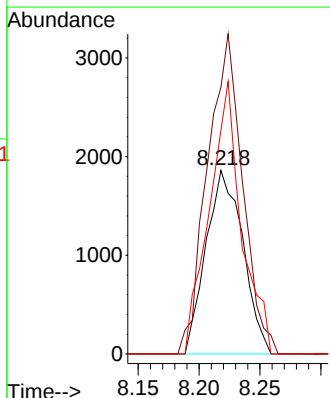
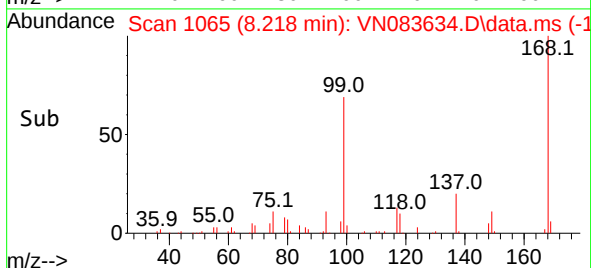
Tgt Ion: 96 Resp: 110522
 Ion Ratio Lower Upper
 96 100
 61 134.6 0.0 306.2
 98 64.1 0.0 128.6

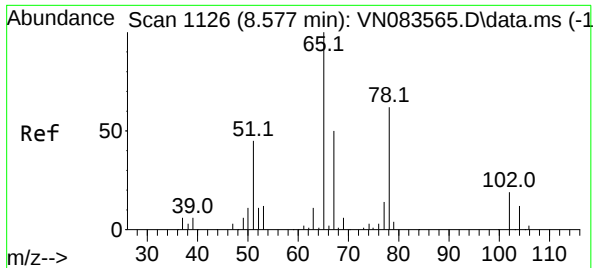


#31
 Cyclohexane
 Concen: 1.233 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.035 min
 Lab File: VN083634.D
 Acq: 03 Sep 2024 19:09



Tgt Ion: 56 Resp: 3919
 Ion Ratio Lower Upper
 56 100
 69 145.2 26.9 40.3#
 84 121.7 69.2 103.8#

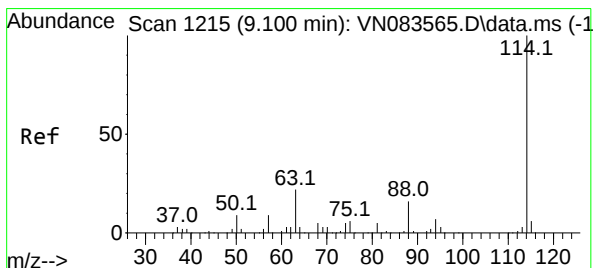
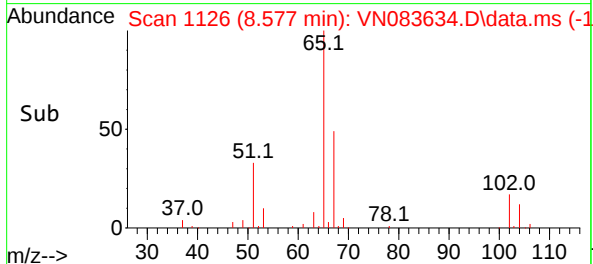
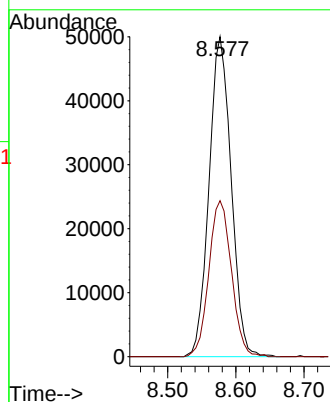
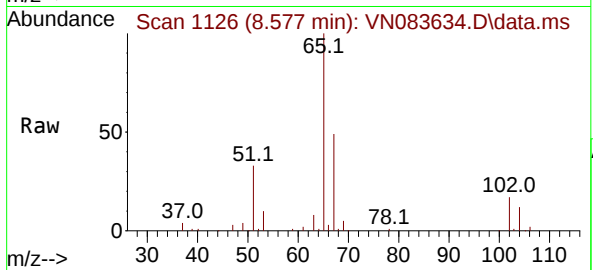




#33
 1,2-Dichloroethane-d4
 Concen: 54.958 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN083634.D
 Acq: 03 Sep 2024 19:09

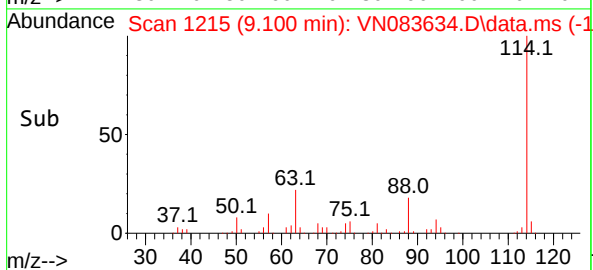
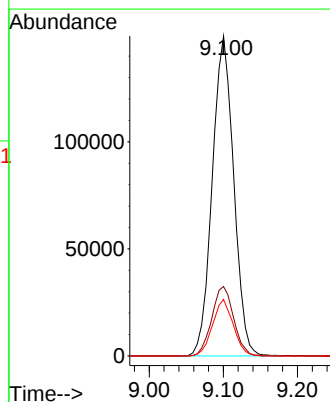
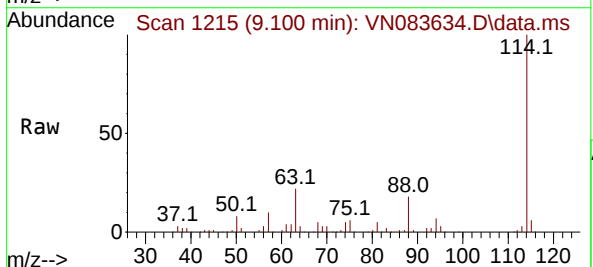
Instrument :
 MSVOA_N
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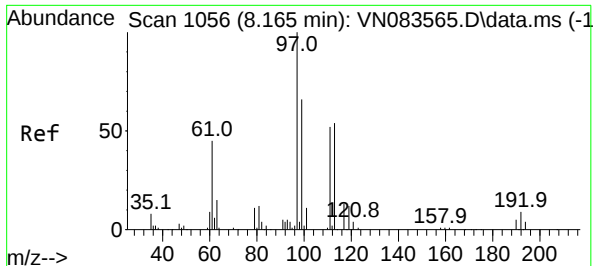
Tgt Ion: 65 Resp: 112952
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN083634.D
 Acq: 03 Sep 2024 19:09

Tgt Ion: 114 Resp: 300430
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 17.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.856 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083634.D

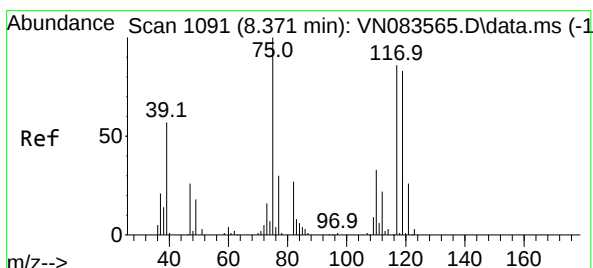
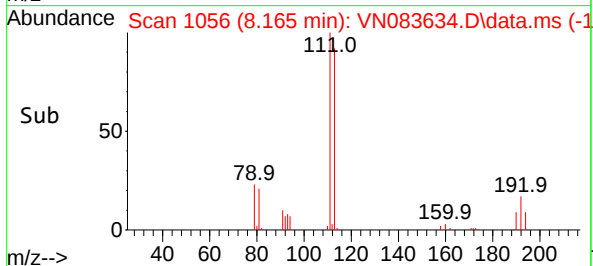
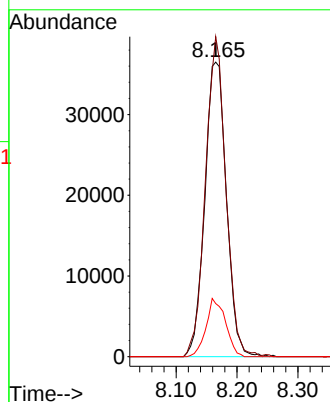
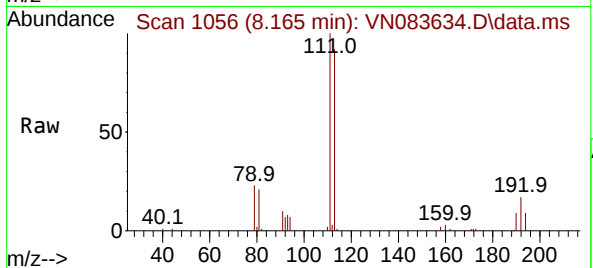
Acq: 03 Sep 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:113	Resp:	90150
Ion	Ratio	Lower Upper
113	100	
111	102.5	82.6 124.0
192	17.7	14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.807 ug/l

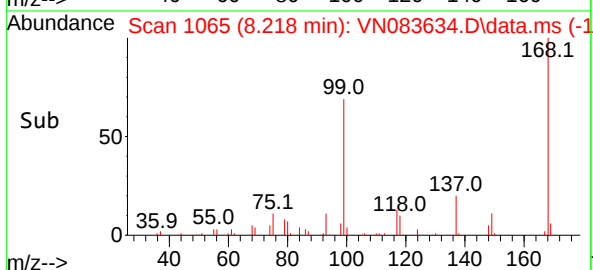
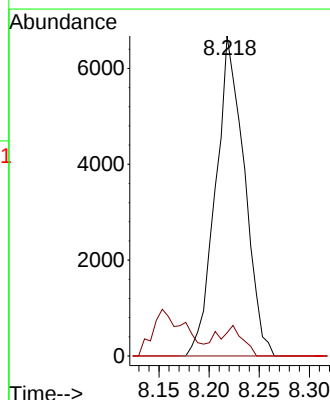
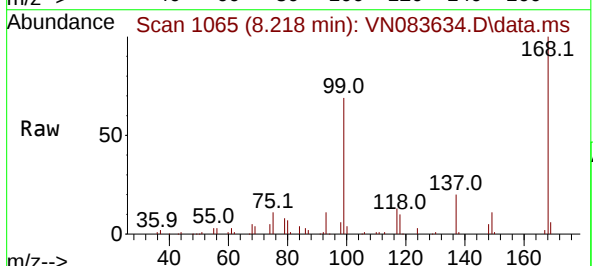
RT: 8.218 min Scan# 1065

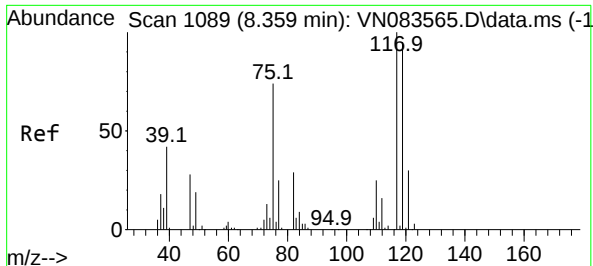
Delta R.T. -0.153 min

Lab File: VN083634.D

Acq: 03 Sep 2024 19:09

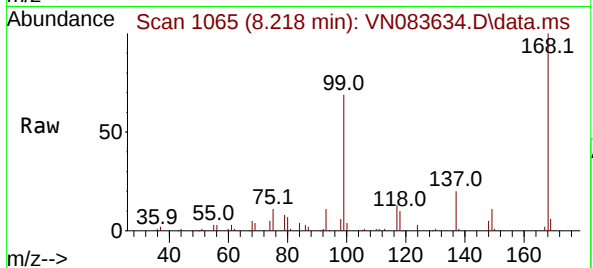
Tgt Ion: 75	Resp:	13258
Ion	Ratio	Lower Upper
75	100	
110	8.5	16.7 50.1#
77	0.0	25.2 37.8#



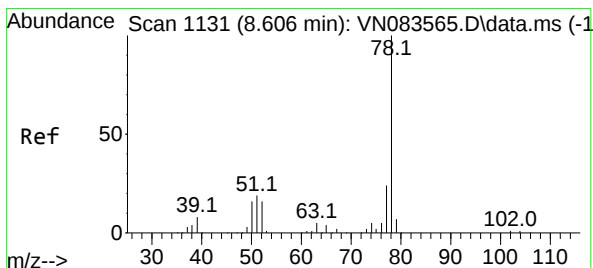
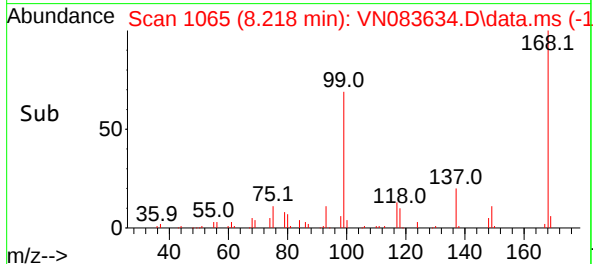
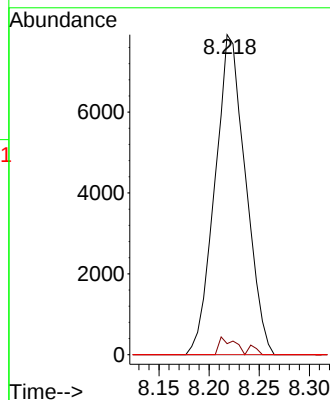


#38
Carbon Tetrachloride
Concen: 5.325 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Instrument :
MSVOA_N
ClientSampleId :

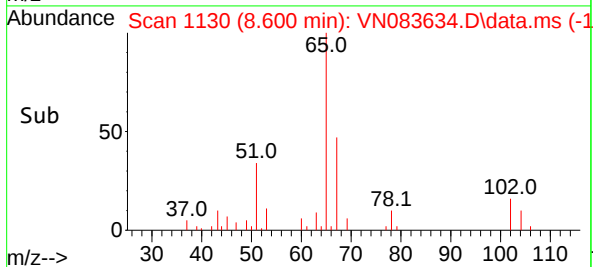
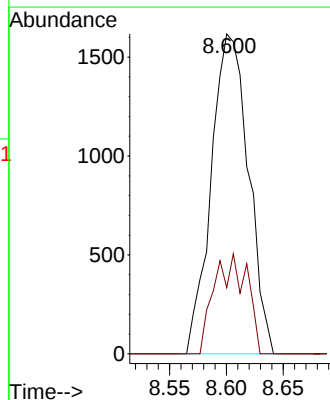
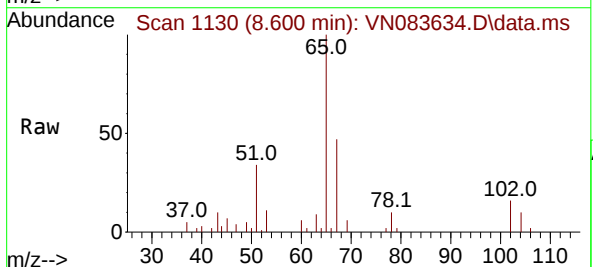


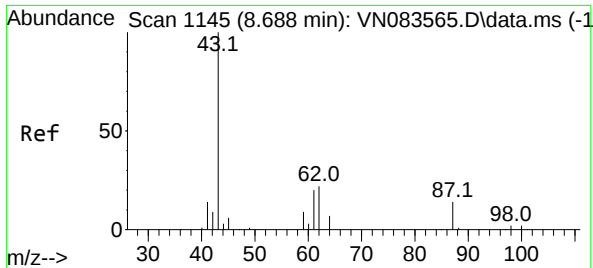
Tgt Ion:117 Resp: 16756
Ion Ratio Lower Upper
117 100
119 3.4 76.1 114.1#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 0.434 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Tgt Ion: 78 Resp: 3681
Ion Ratio Lower Upper
78 100
77 20.7 19.0 28.6

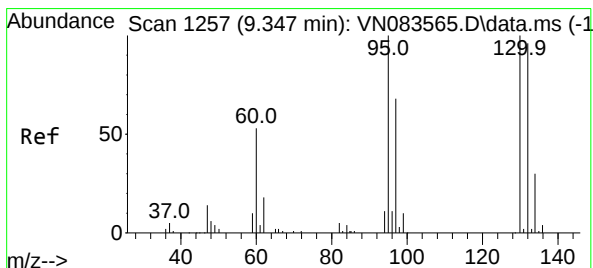
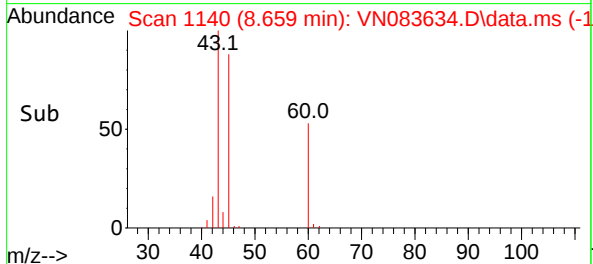
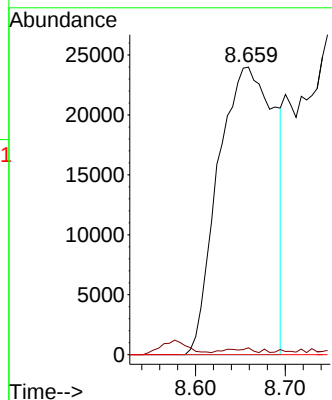
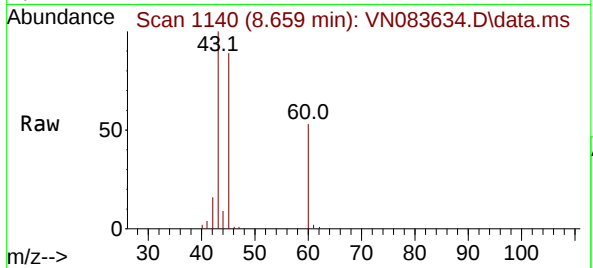




#43
Isopropyl Acetate
Concen: 18.334 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.029 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

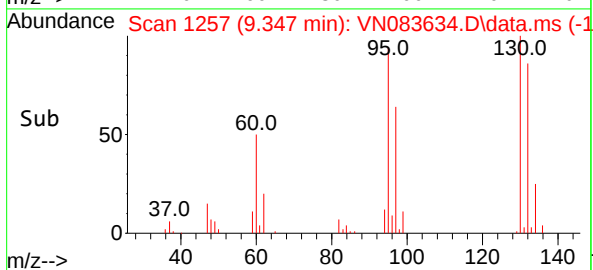
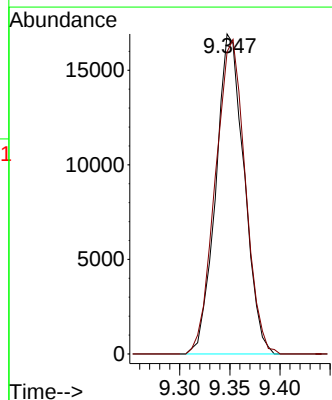
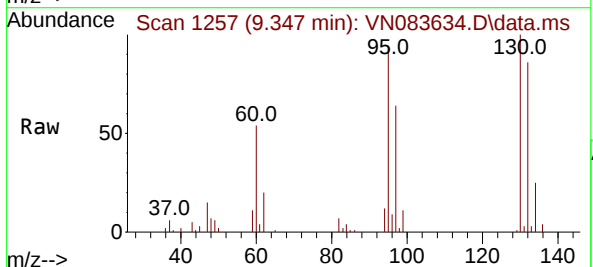
Instrument :
MSVOA_N
ClientSampleId :

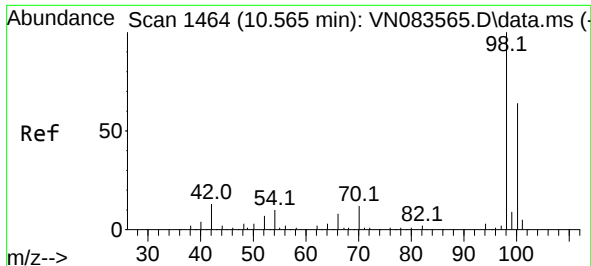
Tgt Ion: 43 Resp: 105108
Ion Ratio Lower Upper
43 100
61 1.1 19.4 29.0#
87 0.0 9.8 14.6#



#44
Trichloroethene
Concen: 16.260 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Tgt Ion:130 Resp: 33187
Ion Ratio Lower Upper
130 100
95 94.4 0.0 200.4

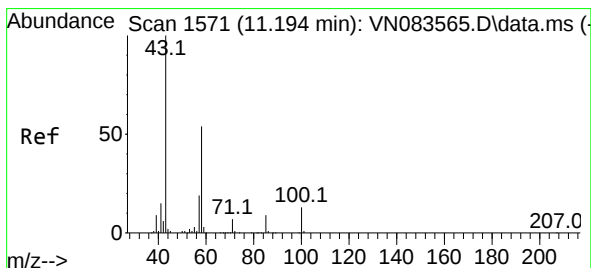
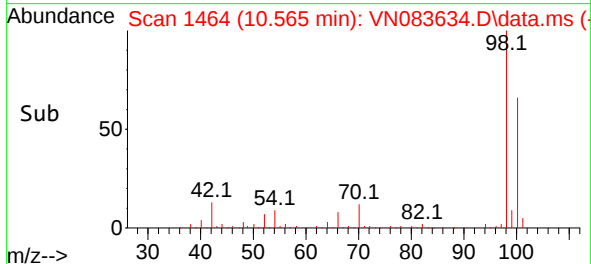
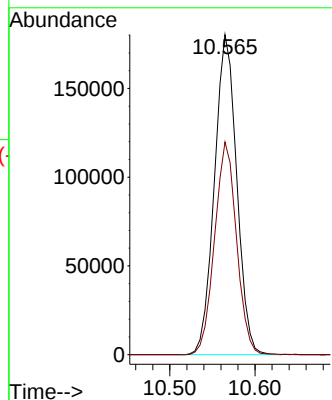
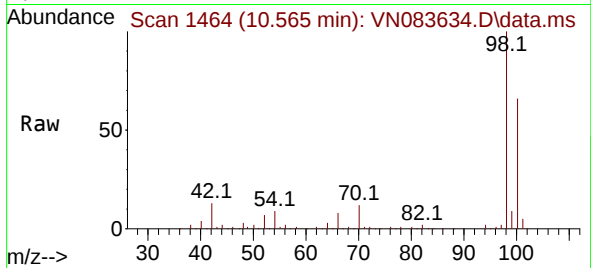




#50
Toluene-d8
Concen: 46.463 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

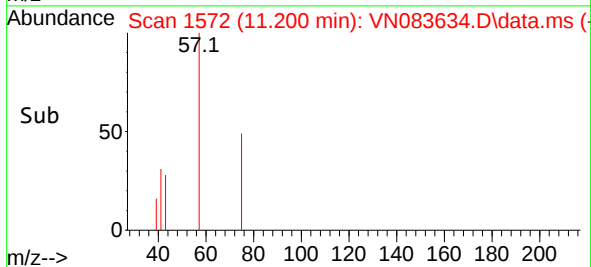
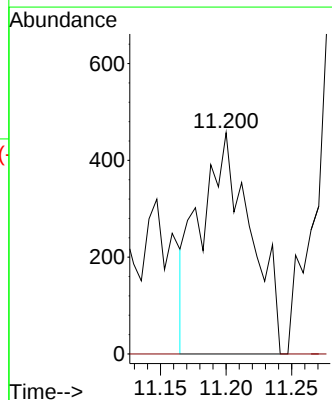
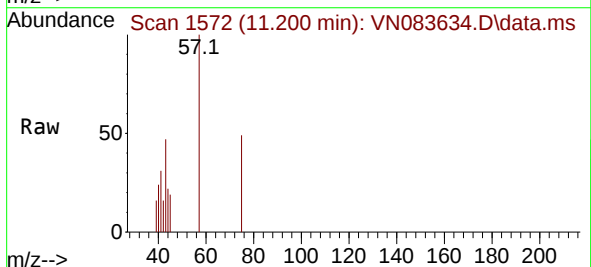
Instrument :
MSVOA_N
ClientSampleId :

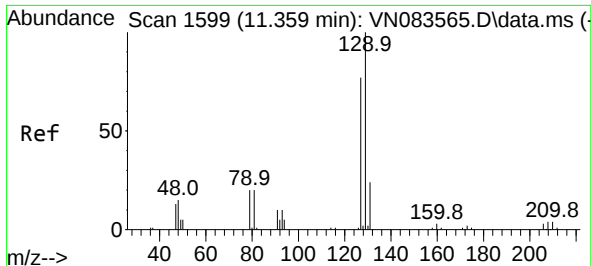
Tgt Ion: 98 Resp: 326960
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#59
2-Hexanone
Concen: 0.640 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Tgt Ion: 43 Resp: 1225
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#

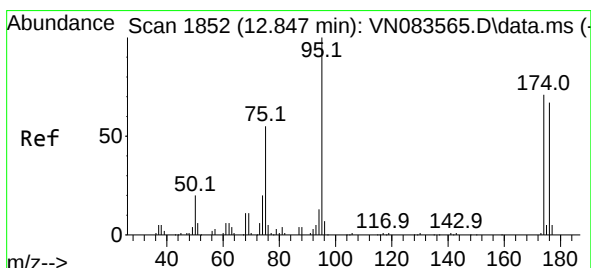
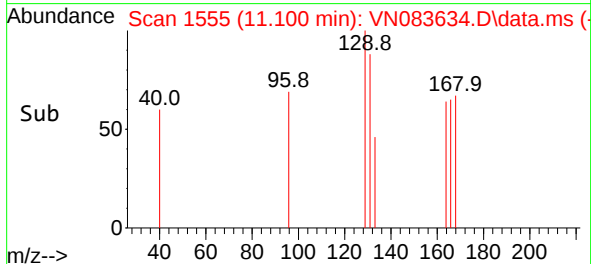
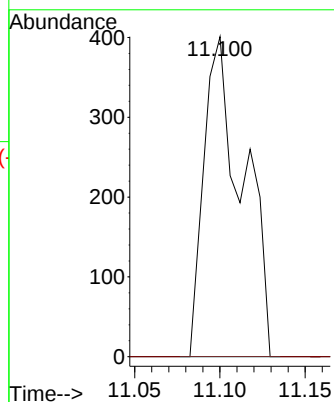
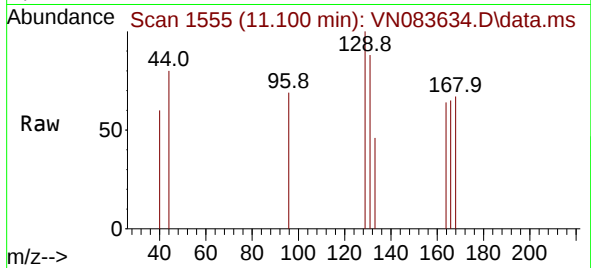




#60
Dibromochloromethane
Concen: 0.291 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

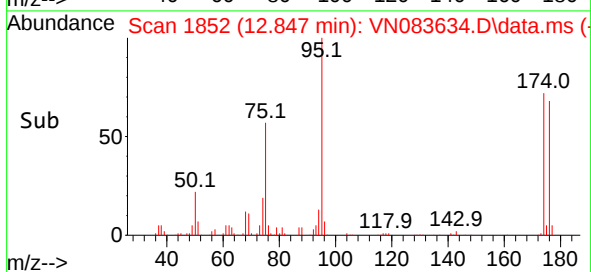
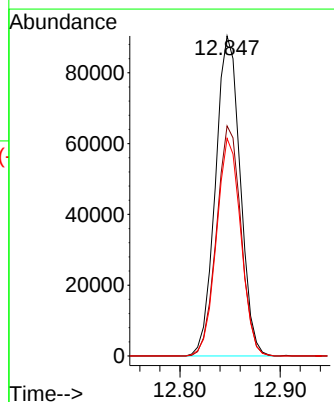
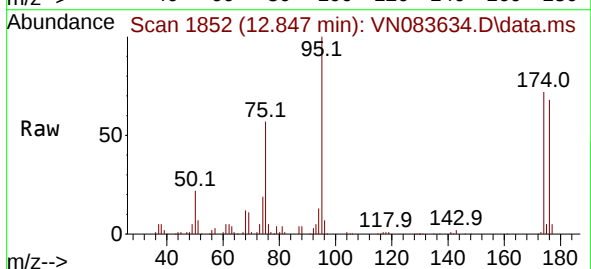
Instrument :
MSVOA_N
ClientSampleId :

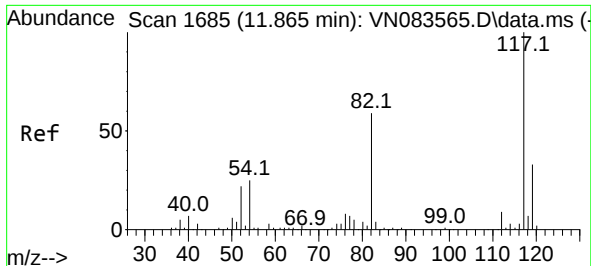
Tgt Ion:129 Resp: 638
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#



#62
4-Bromofluorobenzene
Concen: 59.399 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Tgt Ion: 95 Resp: 154943
Ion Ratio Lower Upper
95 100
174 70.9 0.0 139.8
176 67.0 0.0 131.4

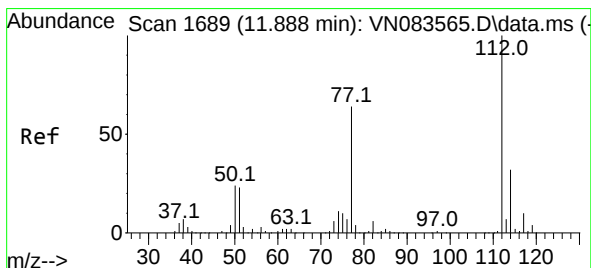
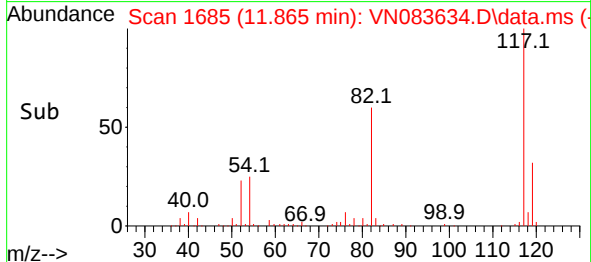
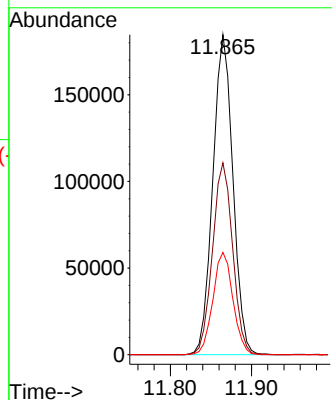
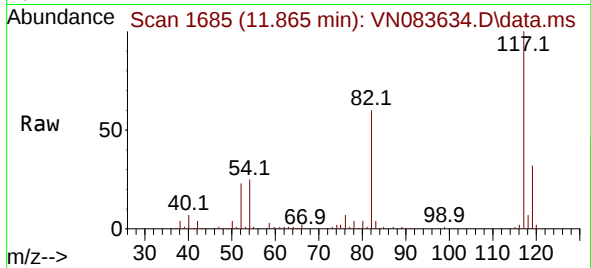




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

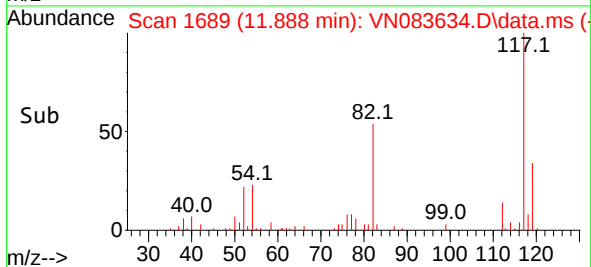
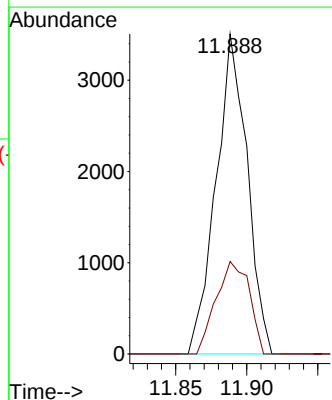
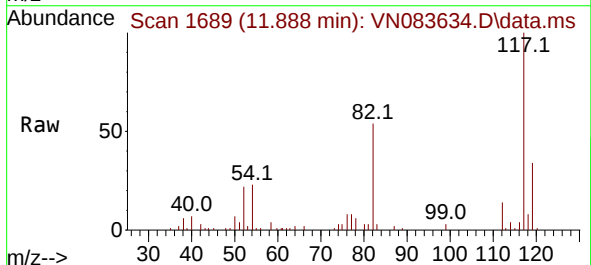
Instrument :
MSVOA_N
ClientSampleId :

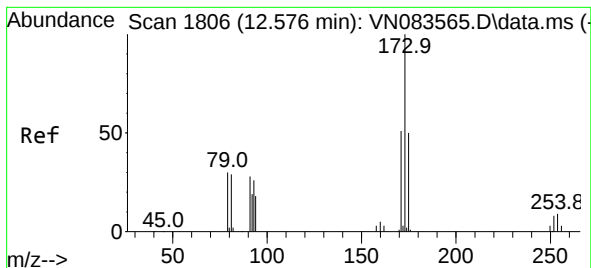
Tgt Ion:117 Resp: 317087
Ion Ratio Lower Upper
117 100
82 59.9 47.4 71.0
119 31.9 26.3 39.5



#65
Chlorobenzene
Concen: 0.751 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Tgt Ion:112 Resp: 5341
Ion Ratio Lower Upper
112 100
114 28.9 25.7 38.5





#71

Bromoform

Concen: 0.406 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN083634.D

Acq: 03 Sep 2024 19:09

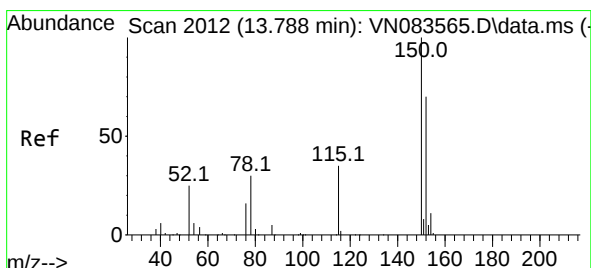
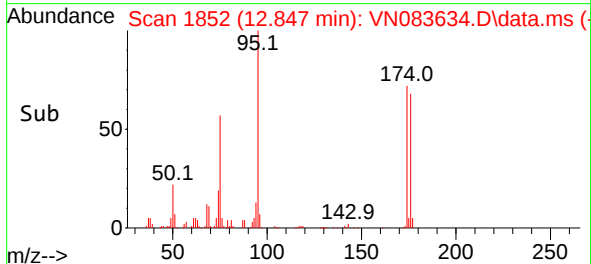
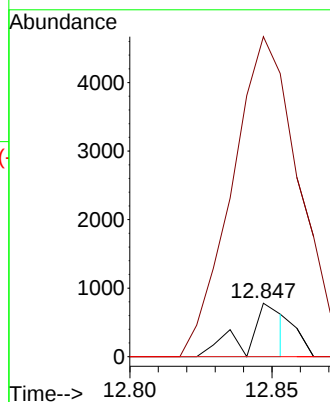
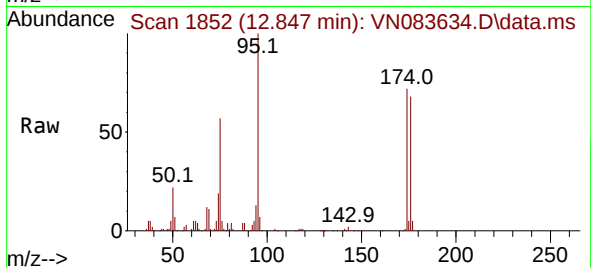
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 694

Ion	Ratio	Lower	Upper
173	100		
175	847.7	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# 2013

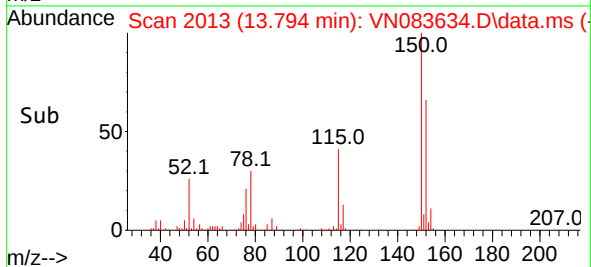
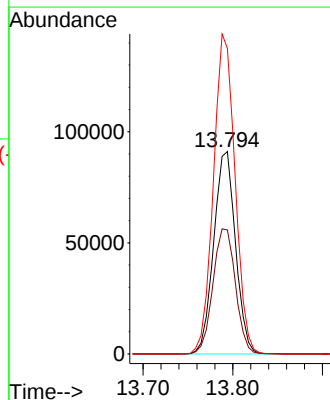
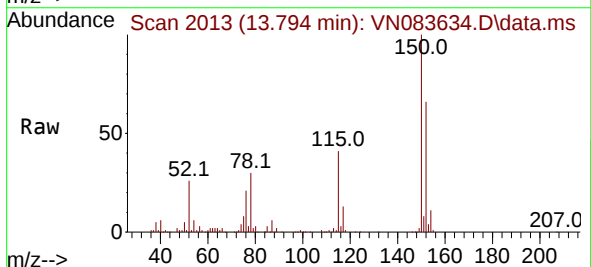
Delta R.T. 0.006 min

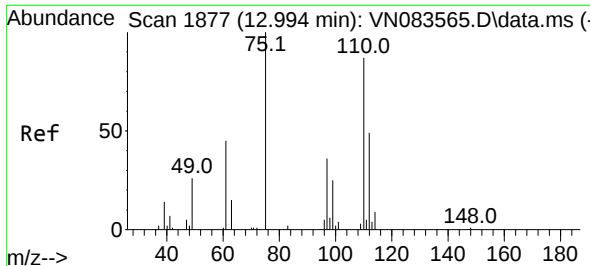
Lab File: VN083634.D

Acq: 03 Sep 2024 19:09

Tgt Ion:152 Resp: 153616

Ion	Ratio	Lower	Upper
152	100		
115	63.9	32.2	96.6
150	156.7	0.0	348.6

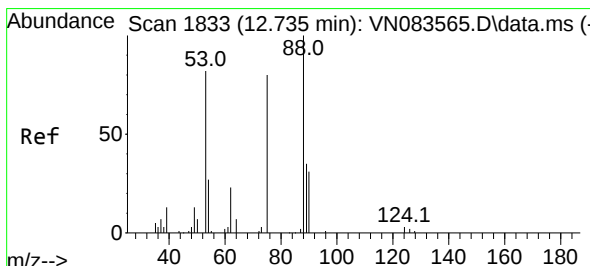
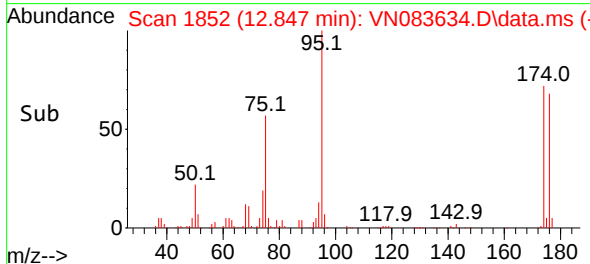
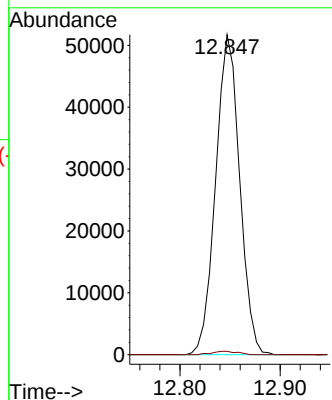
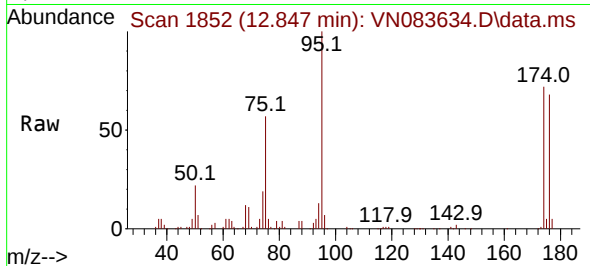




#76
1,2,3-Trichloropropane
Concen: 27.751 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

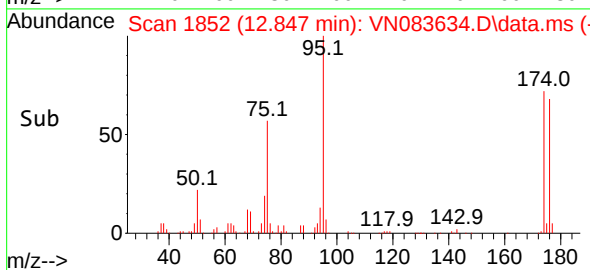
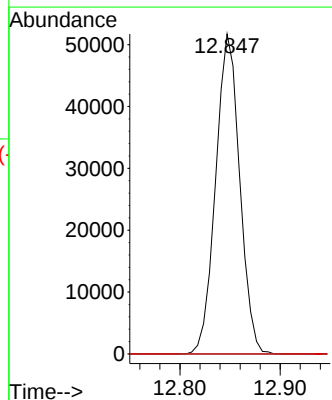
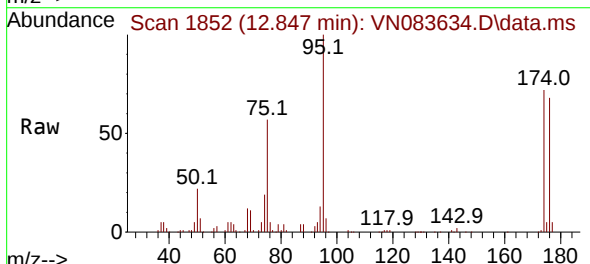
Instrument :
MSVOA_N
ClientSampleId :

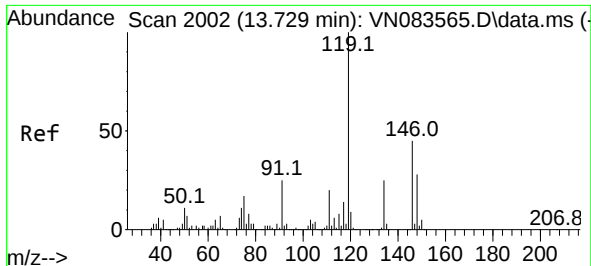
Tgt Ion: 75 Resp: 86070
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.454 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083634.D
Acq: 03 Sep 2024 19:09

Tgt Ion: 75 Resp: 86070
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#87

1,3-Dichlorobenzene

Concen: 0.320 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.082 min

Lab File: VN083634.D

Acq: 03 Sep 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

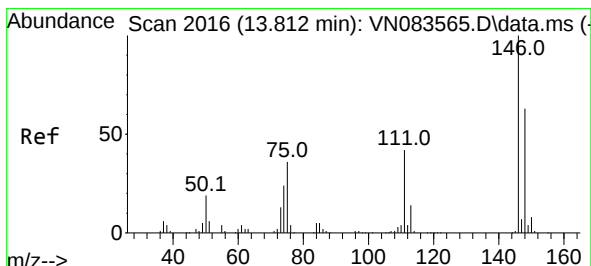
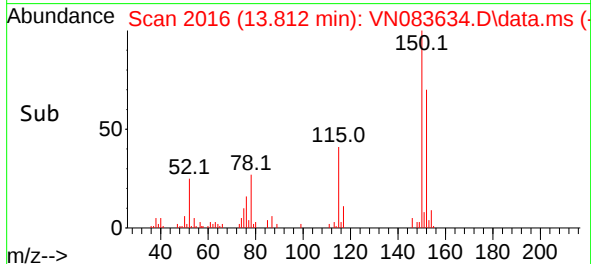
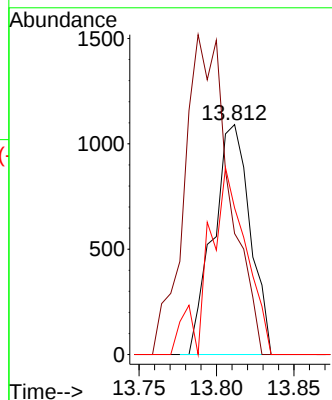
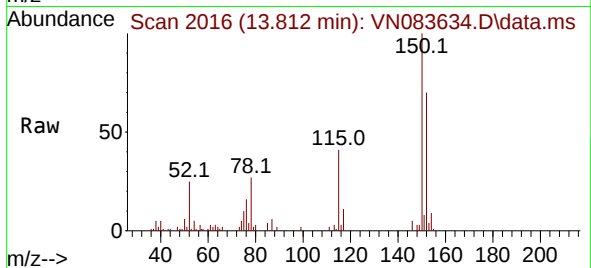
Tgt Ion:146 Resp: 1810

Ion Ratio Lower Upper

146 100

111 0.0 21.7 65.1#

148 82.9 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.311 ug/l

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN083634.D

Acq: 03 Sep 2024 19:09

Tgt Ion:146 Resp: 1810

Ion Ratio Lower Upper

146 100

111 0.0 21.3 64.0#

148 82.9 32.0 96.2

