

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090524\
 Data File : VN083685.D
 Acq On : 05 Sep 2024 19:03
 Operator : JC\MD
 Sample : P3815-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 02:22:13 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)

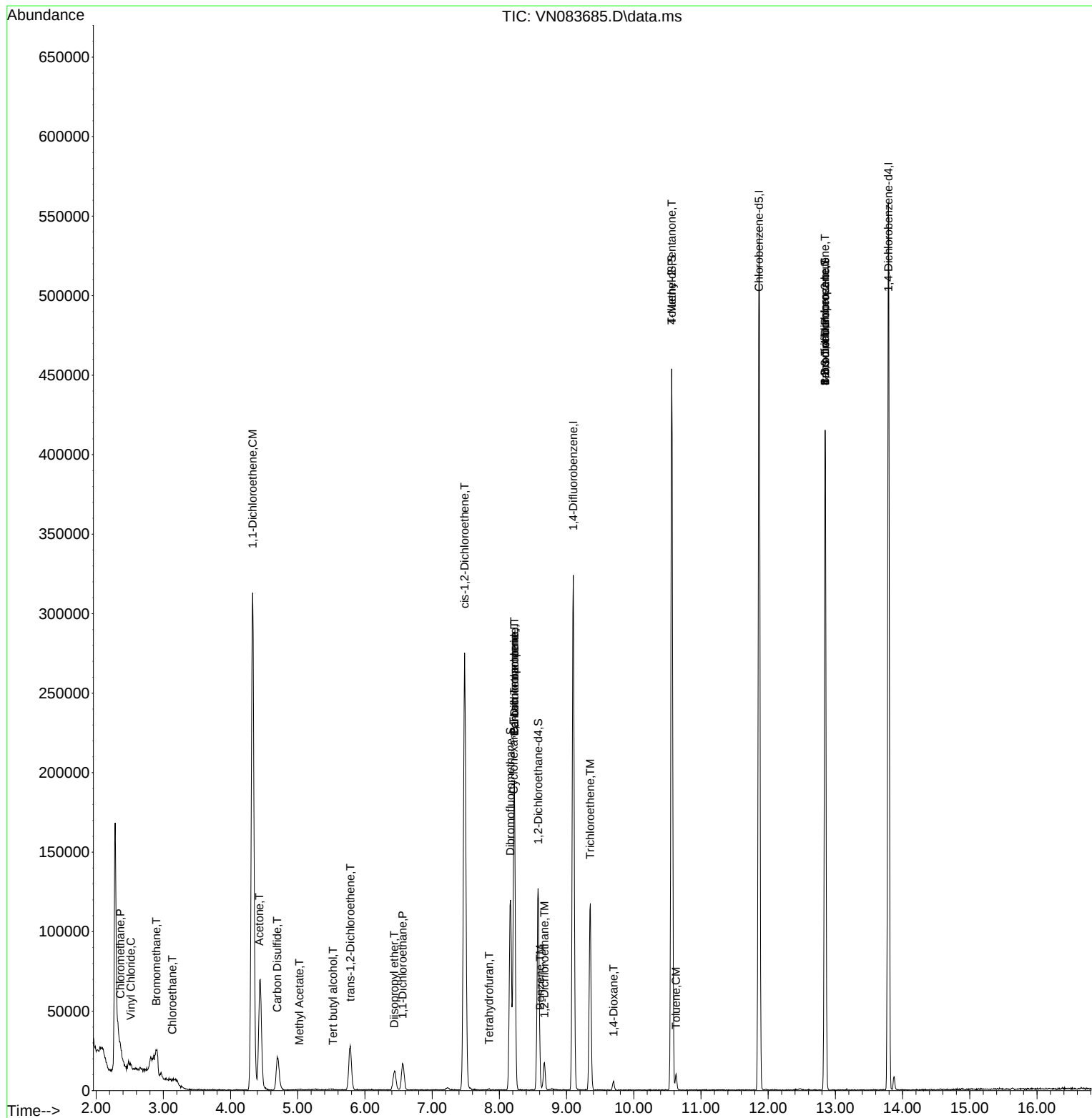
Internal Standards						
1) Pentafluorobenzene	8.224	168	132778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	270110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	297523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	139908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106608	57.449	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.900%			
35) Dibromofluoromethane	8.165	113	84899	52.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	10.565	98	305732	48.278	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.560%			
62) 4-Bromofluorobenzene	12.847	95	146619	62.518	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 125.040%#			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	4856	2.966	ug/l	91
4) Vinyl Chloride	2.518	62	1636	0.999	ug/l	100
5) Bromomethane	2.895	94	211	0.245	ug/l	100
6) Chloroethane	3.136	64	1287	1.202	ug/l #	56
11) Tert butyl alcohol	5.524	59	66	0.228	ug/l #	71
12) 1,1-Dichloroethene	4.330	96	175318	120.527	ug/l	99
16) Acetone	4.430	43	6174	8.343	ug/l #	86
17) Carbon Disulfide	4.695	76	46551	10.982	ug/l	99
18) Methyl Acetate	5.024	43	751	0.382	ug/l #	52
21) trans-1,2-Dichloroethene	5.783	96	16997	11.218	ug/l	95
22) Diisopropyl ether	6.436	45	8402	1.643	ug/l #	10
24) 1,1-Dichloroethane	6.559	63	24987	8.568	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	157404	87.058	ug/l	90
29) Tetrahydrofuran	7.847	42	355	0.568	ug/l #	72
31) Cyclohexane	8.212	56	3311	1.153	ug/l #	17
36) 1,1-Dichloropropene	8.224	75	11794	4.756	ug/l #	51
38) Carbon Tetrachloride	8.224	117	15814	5.589	ug/l #	15
40) Benzene	8.606	78	2278	0.299	ug/l #	52
42) 1,2-Dichloroethane	8.671	62	16214	5.734	ug/l	97
43) Isopropyl Acetate	8.712	43	66	Below Cal	#	57
44) Trichloroethene	9.353	130	38828	21.159	ug/l	95
49) 1,4-Dioxane	9.700	88	3644	109.865	ug/l #	90
51) 4-Methyl-2-Pentanone	10.565	43	1576	0.687	ug/l #	1
52) Toluene	10.629	92	4053	0.850	ug/l	92
71) Bromoform	12.847	173	548	0.342	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	82610	29.245	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	82610	68.978	ug/l #	9

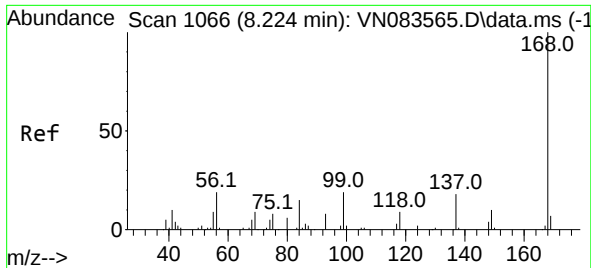
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090524\
Data File : VN083685.D
Acq On : 05 Sep 2024 19:03
Operator : JC\MD
Sample : P3815-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

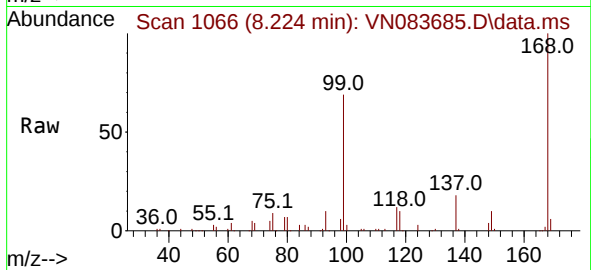
Quant Time: Sep 06 02:22:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
Response via : Initial Calibration



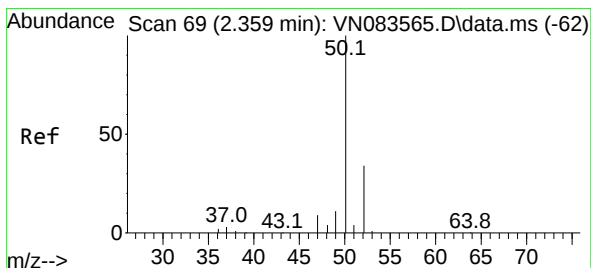
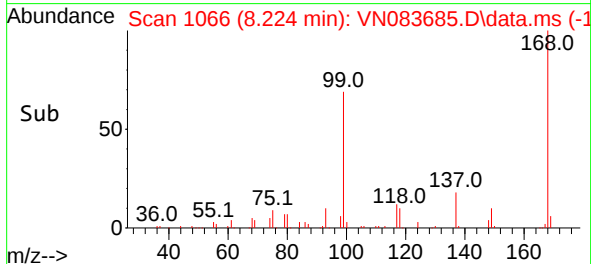
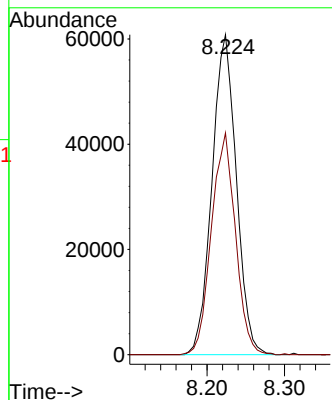


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :

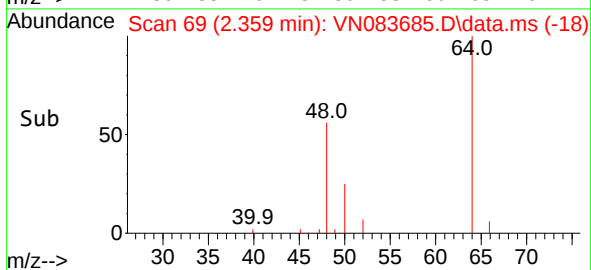
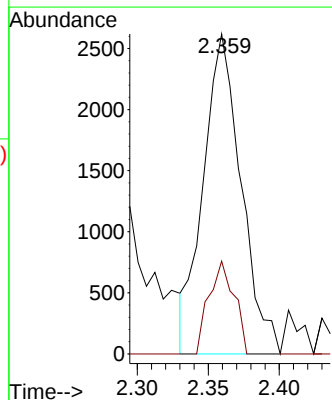
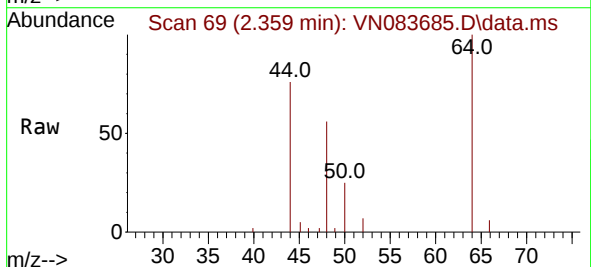


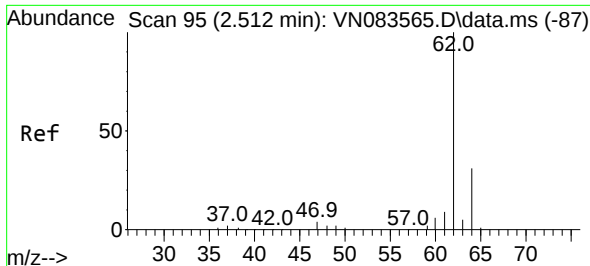
Tgt Ion:168 Resp: 132778
Ion Ratio Lower Upper
168 100
99 69.3 54.2 81.2



#3
Chloromethane
Concen: 2.966 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Tgt Ion: 50 Resp: 4856
Ion Ratio Lower Upper
50 100
52 29.0 27.2 40.8

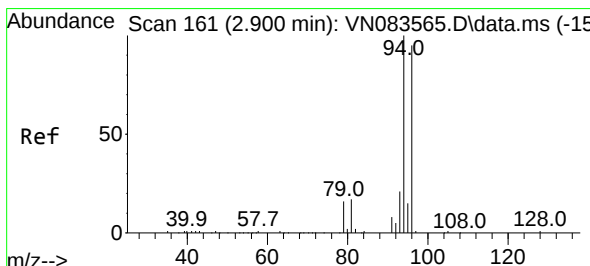
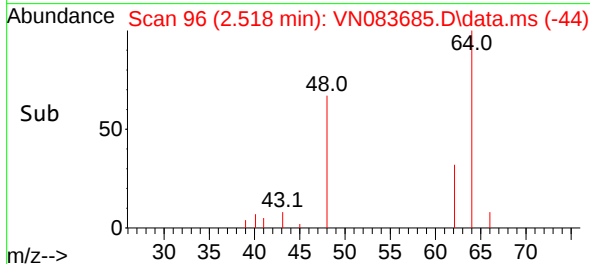
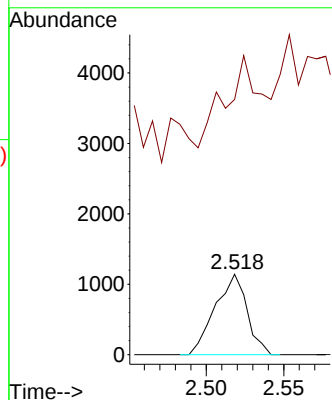
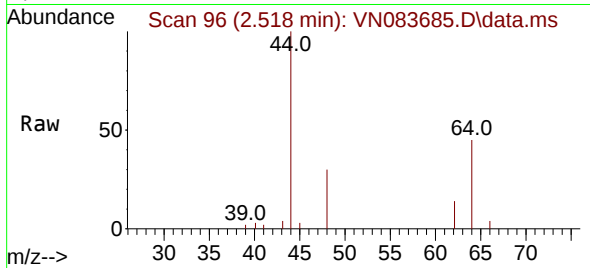




#4
 Vinyl Chloride
 Concen: 0.999 ug/l
 RT: 2.518 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VN083685.D
 Acq: 05 Sep 2024 19:03

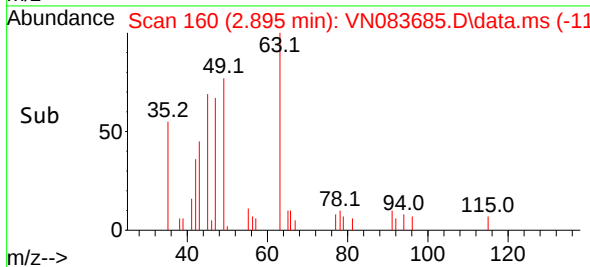
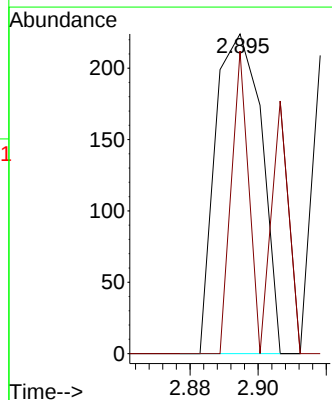
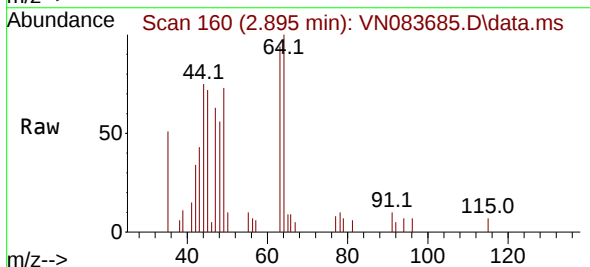
Instrument :
 MSVOA_N
 ClientSampleId :

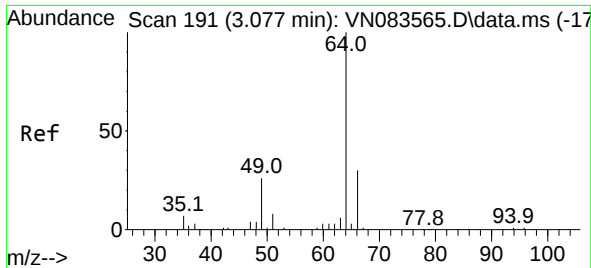
Tgt Ion: 62 Resp: 1636
 Ion Ratio Lower Upper
 62 100
 64 30.9 24.7 37.1



#5
 Bromomethane
 Concen: 0.245 ug/l
 RT: 2.895 min Scan# 160
 Delta R.T. -0.006 min
 Lab File: VN083685.D
 Acq: 05 Sep 2024 19:03

Tgt Ion: 94 Resp: 211
 Ion Ratio Lower Upper
 94 100
 96 94.6 76.0 114.0

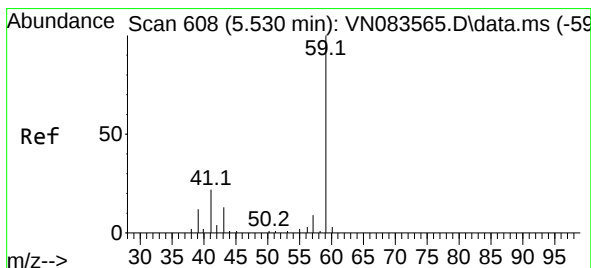
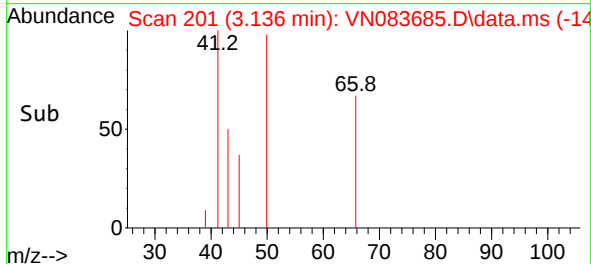
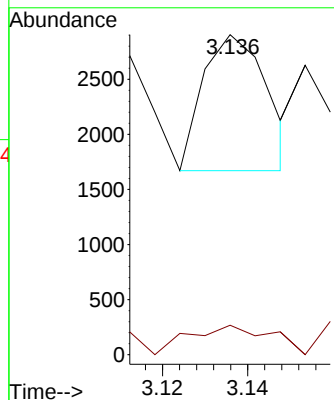
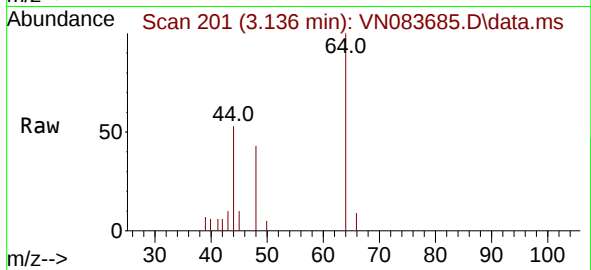




#6
Chloroethane
Concen: 1.202 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.059 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

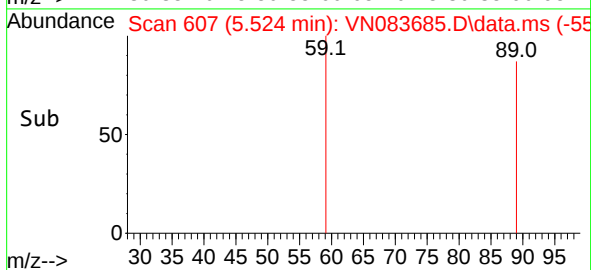
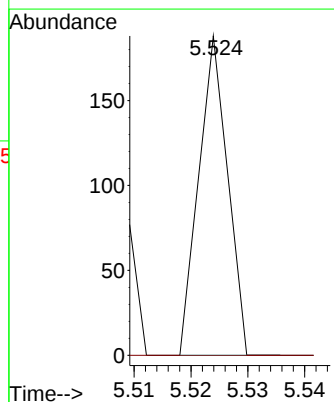
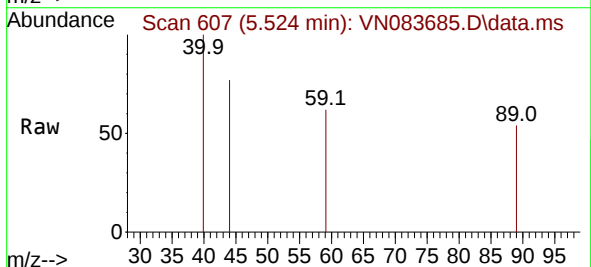
Instrument :
MSVOA_N
ClientSampleId :

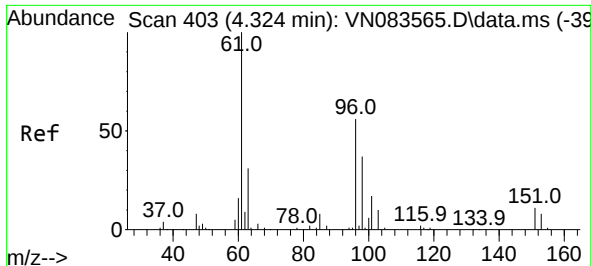
Tgt Ion: 64 Resp: 1287
Ion Ratio Lower Upper
64 100
66 5.9 23.9 35.9#



#11
Tert butyl alcohol
Concen: 0.228 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

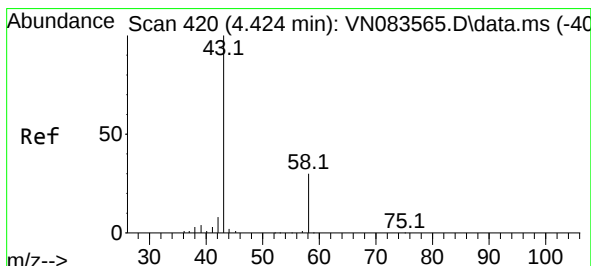
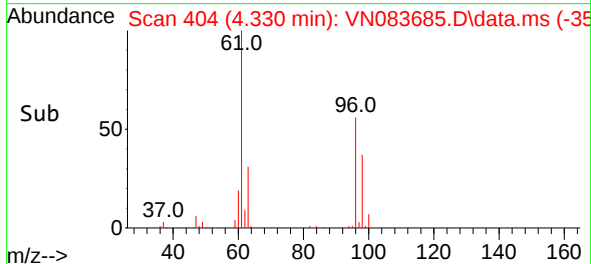
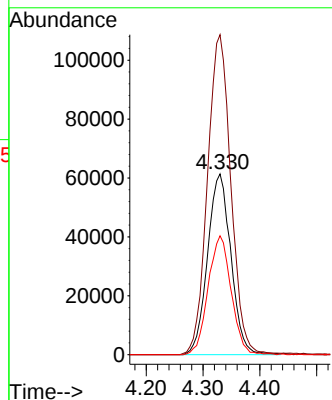
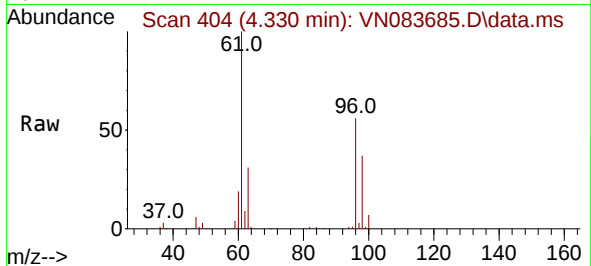




#12
1,1-Dichloroethene
Concen: 120.527 ug/l
RT: 4.330 min Scan# 403
Delta R.T. 0.006 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

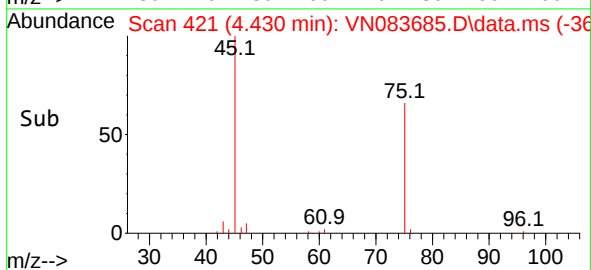
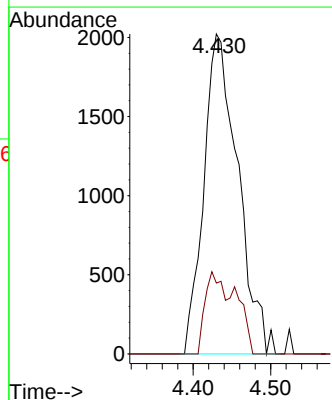
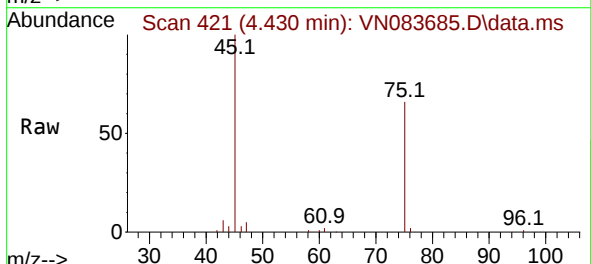
Instrument :
MSVOA_N
ClientSampleId :

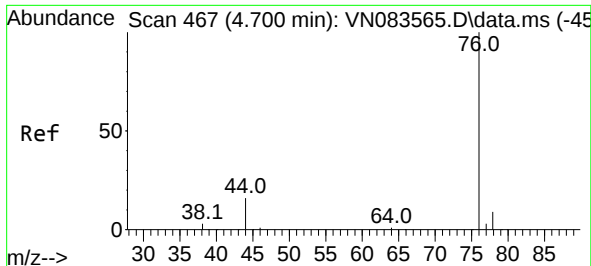
Tgt Ion: 96 Resp: 175318
Ion Ratio Lower Upper
96 100
61 177.0 143.4 215.0
98 65.8 52.7 79.1



#16
Acetone
Concen: 8.343 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

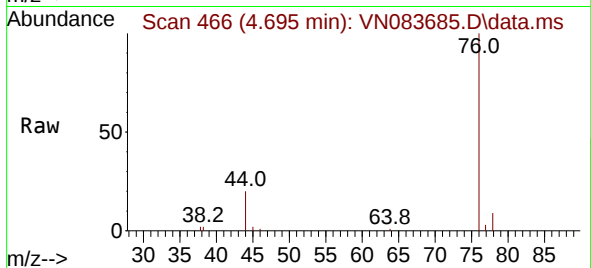
Tgt Ion: 43 Resp: 6174
Ion Ratio Lower Upper
43 100
58 22.2 23.7 35.5#



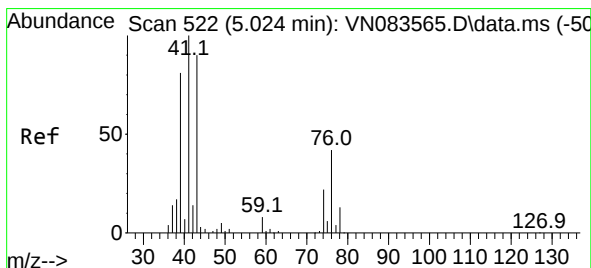
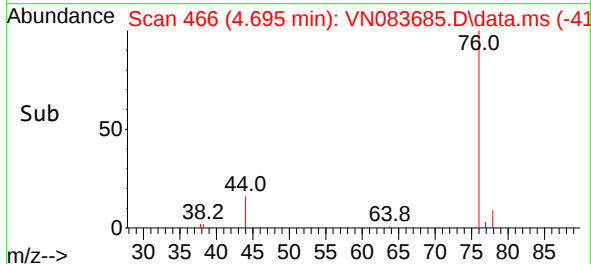
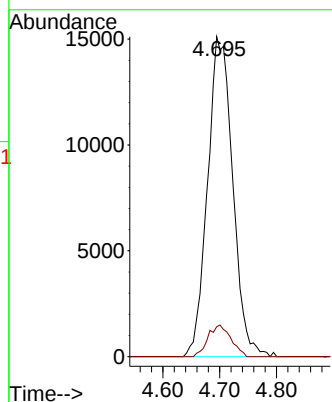


#17
Carbon Disulfide
Concen: 10.982 ug/l
RT: 4.695 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :

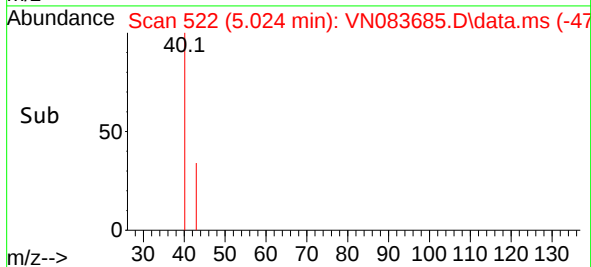
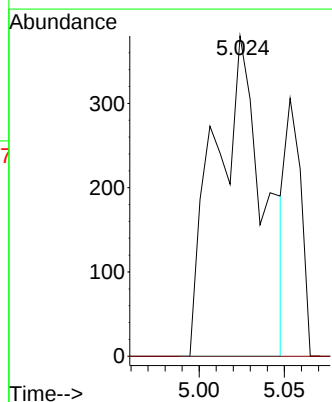
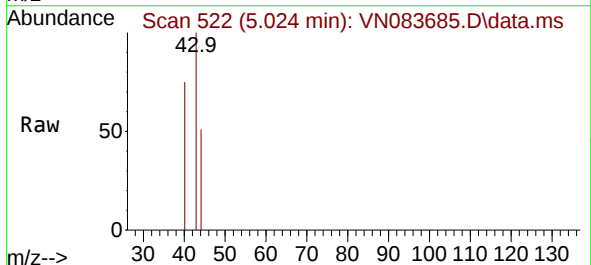


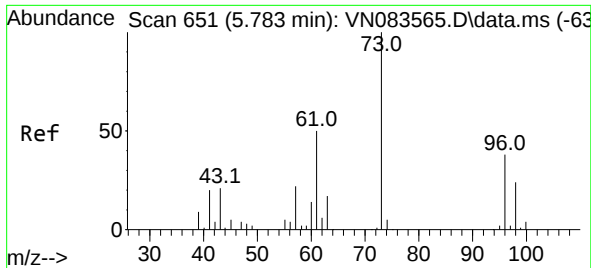
Tgt Ion: 76 Resp: 46551
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7



#18
Methyl Acetate
Concen: 0.382 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#

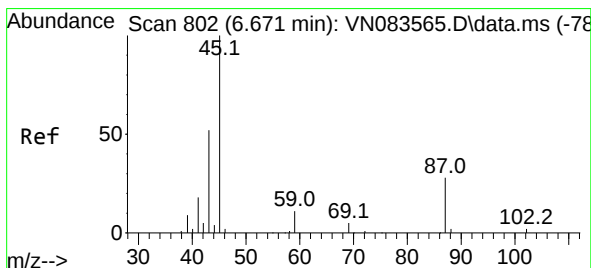
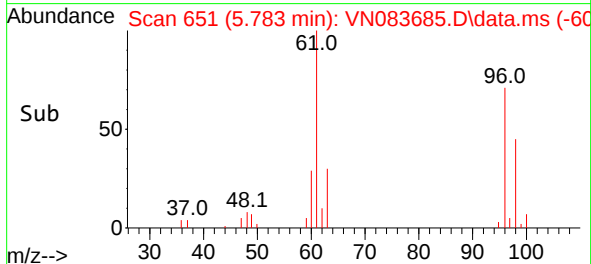
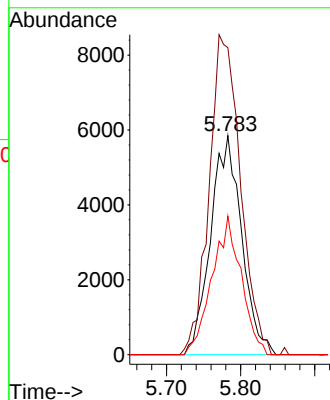
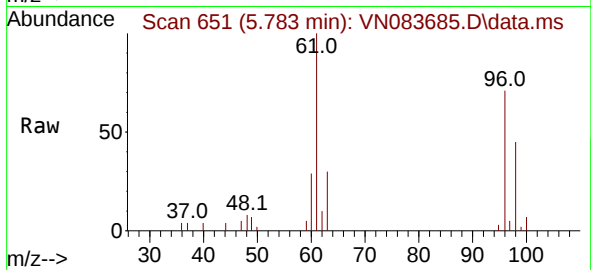




#21
trans-1,2-Dichloroethene
Concen: 11.218 ug/l
RT: 5.783 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

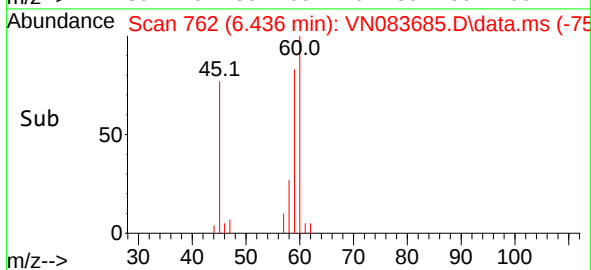
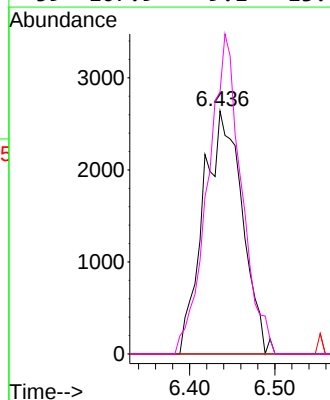
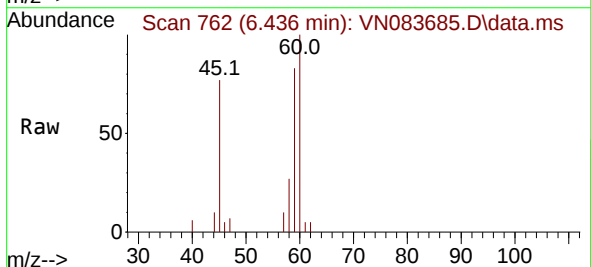
Instrument :
MSVOA_N
ClientSampleId :

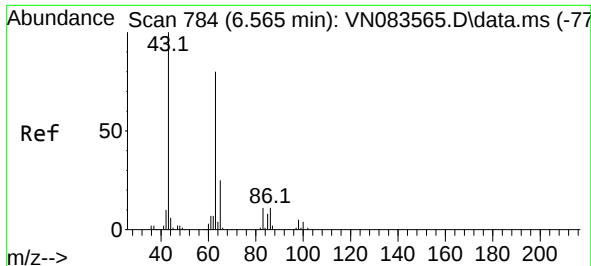
Tgt Ion: 96 Resp: 16997
Ion Ratio Lower Upper
96 100
61 140.1 106.0 159.0
98 63.2 52.2 78.2



#22
Diisopropyl ether
Concen: 1.643 ug/l
RT: 6.436 min Scan# 762
Delta R.T. -0.235 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

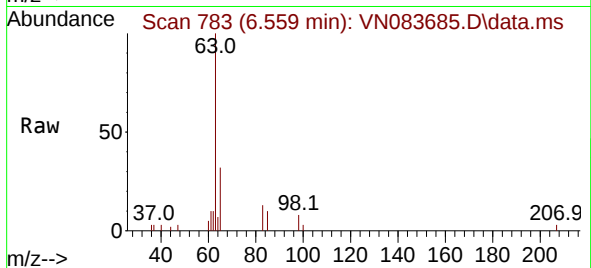
Tgt Ion: 45 Resp: 8402
Ion Ratio Lower Upper
45 100
43 0.0 43.4 65.0#
87 0.0 22.6 33.8#
59 107.9 9.1 13.7#



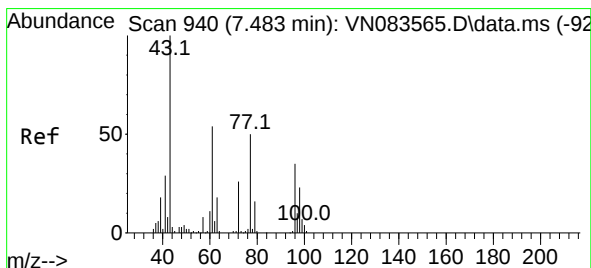
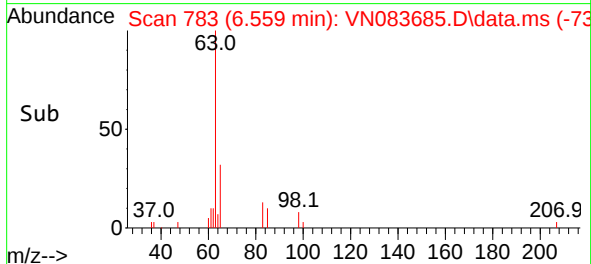
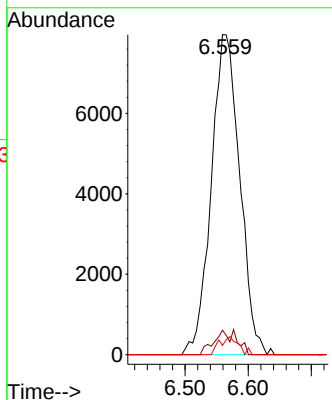


#24
 1,1-Dichloroethane
 Concen: 8.568 ug/l
 RT: 6.559 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VN083685.D
 Acq: 05 Sep 2024 19:03

Instrument :
 MSVOA_N
 ClientSampleId :

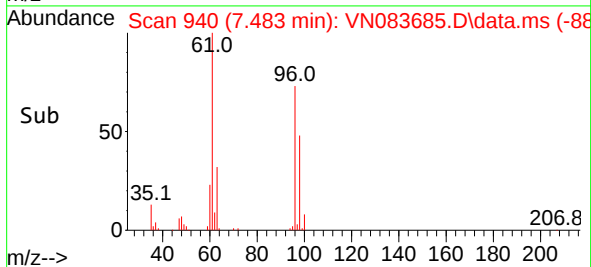
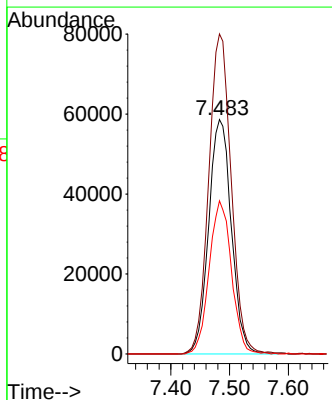
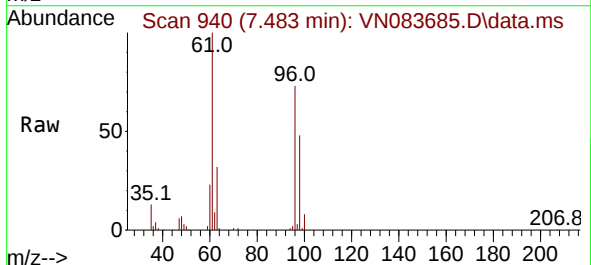


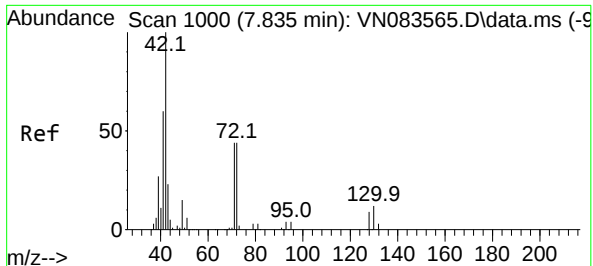
Tgt Ion: 63 Resp: 24987
 Ion Ratio Lower Upper
 63 100
 98 7.6 3.5 10.4
 100 2.9 2.5 7.5



#27
 cis-1,2-Dichloroethene
 Concen: 87.058 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. 0.000 min
 Lab File: VN083685.D
 Acq: 05 Sep 2024 19:03

Tgt Ion: 96 Resp: 157404
 Ion Ratio Lower Upper
 96 100
 61 135.2 0.0 306.2
 98 64.1 0.0 128.6





#29

Tetrahydrofuran

Concen: 0.568 ug/l

RT: 7.847 min Scan# 1064

Delta R.T. 0.012 min

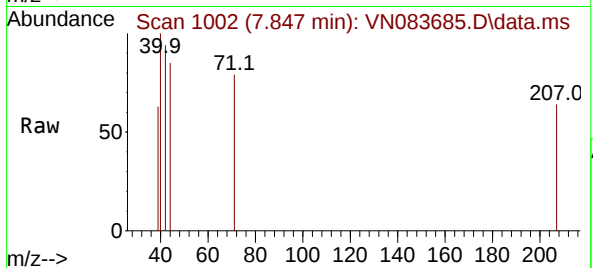
Lab File: VN083685.D

Acq: 05 Sep 2024 19:03

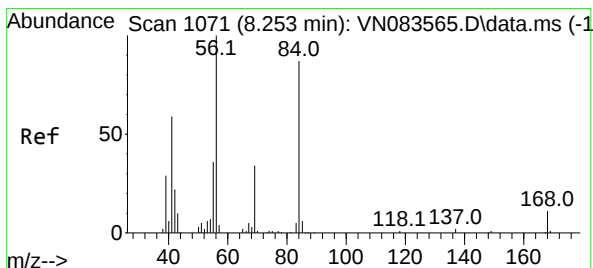
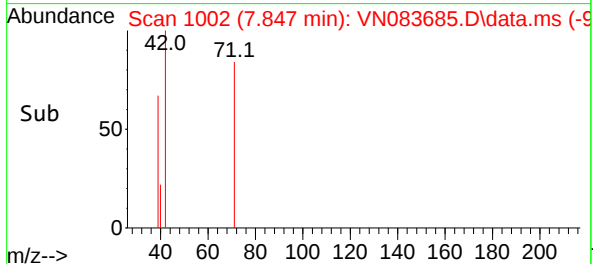
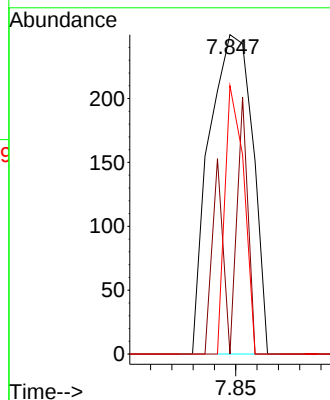
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	355
Ion	Ratio	Lower	Upper
42	100		
72	15.2	35.9	53.9#
71	36.3	33.9	50.9



#31

Cyclohexane

Concen: 1.153 ug/l

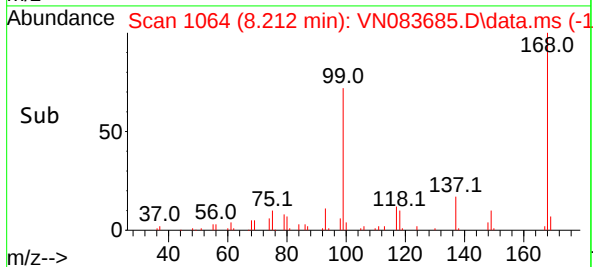
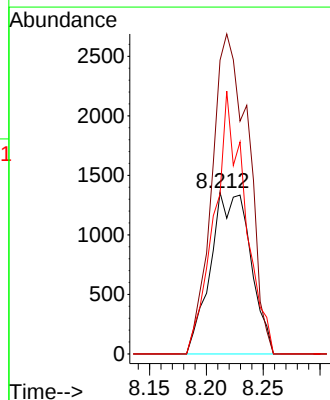
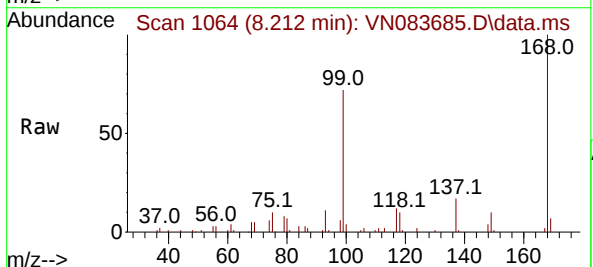
RT: 8.212 min Scan# 1064

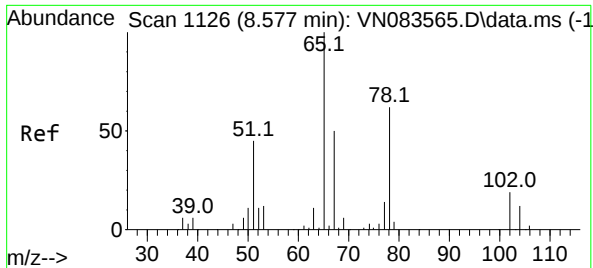
Delta R.T. -0.041 min

Lab File: VN083685.D

Acq: 05 Sep 2024 19:03

Tgt Ion:	56	Resp:	3311
Ion	Ratio	Lower	Upper
56	100		
69	181.9	26.9	40.3#
84	98.9	69.2	103.8





#33

1,2-Dichloroethane-d4

Concen: 57.449 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083685.D

Acq: 05 Sep 2024 19:03

Instrument :

MSVOA_N

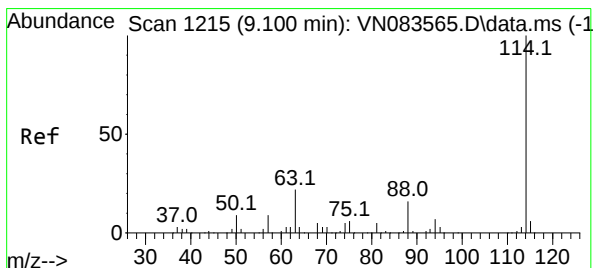
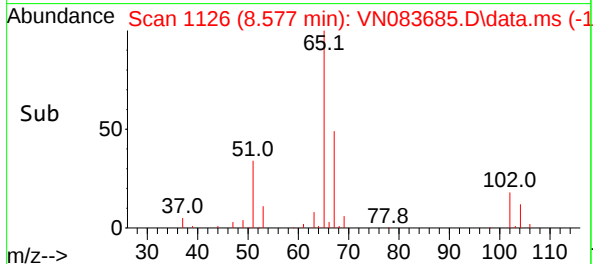
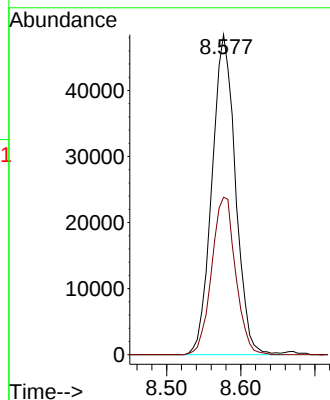
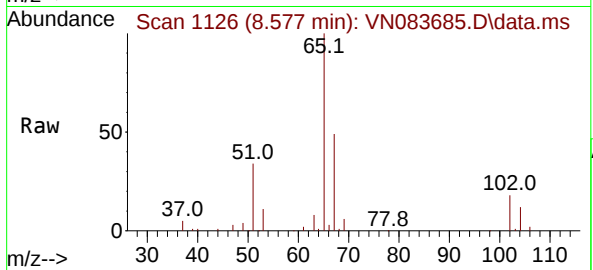
ClientSampleId :

Tgt Ion: 65 Resp: 106608

Ion Ratio Lower Upper

65 100

67 50.1 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: VN083685.D

Acq: 05 Sep 2024 19:03

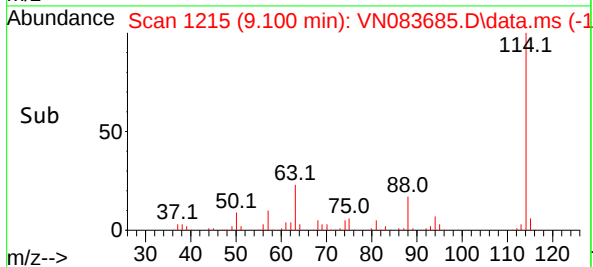
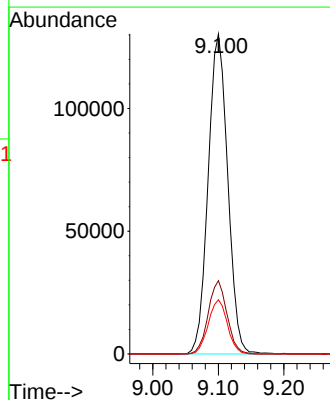
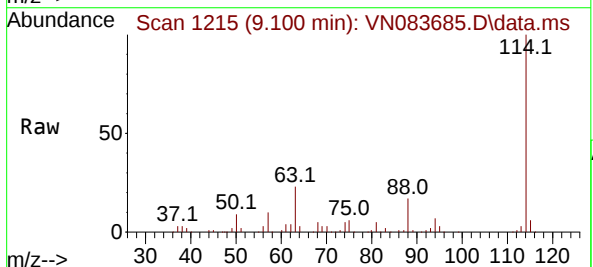
Tgt Ion: 114 Resp: 270110

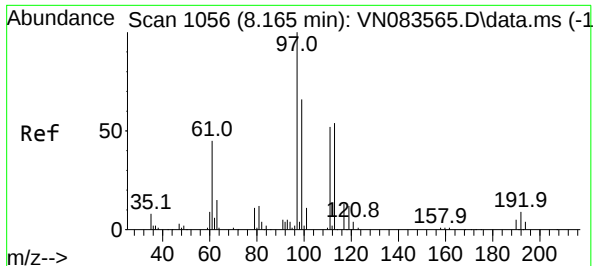
Ion Ratio Lower Upper

114 100

63 22.9 0.0 43.4

88 16.9 0.0 32.6

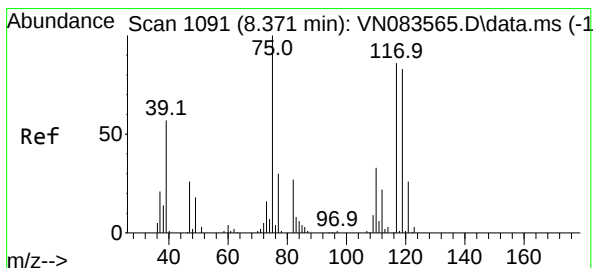
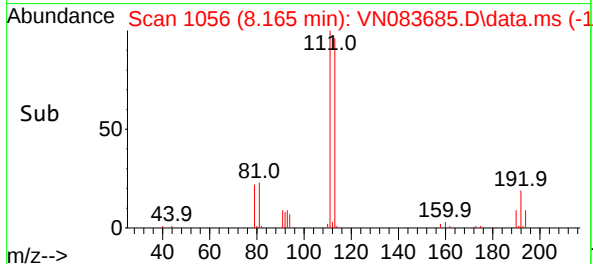
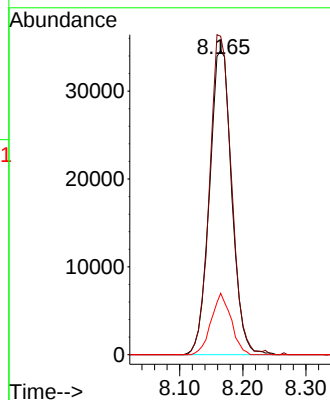
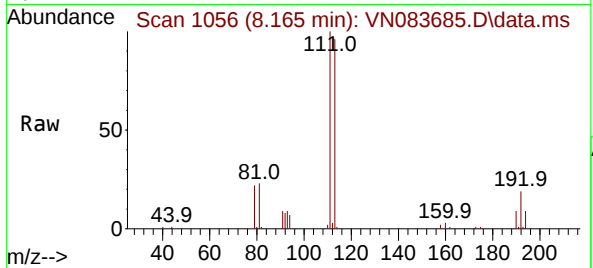




#35
Dibromofluoromethane
Concen: 52.222 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

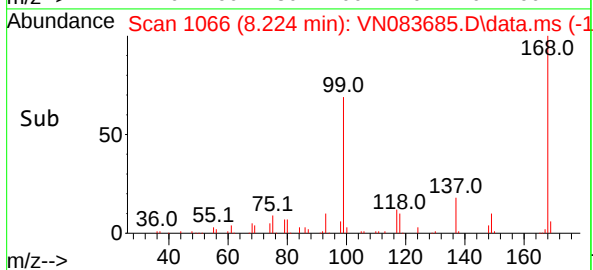
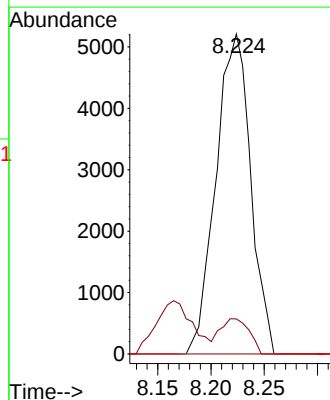
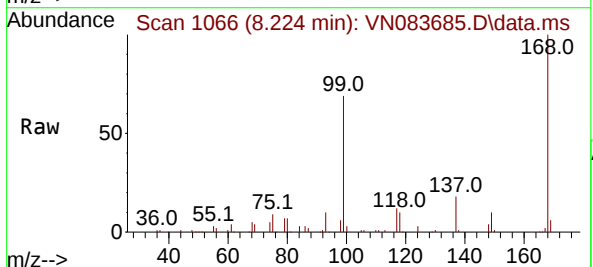
Instrument :
MSVOA_N
ClientSampleId :

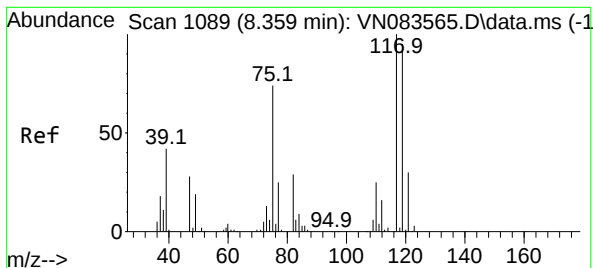
Tgt Ion:113 Resp: 84899
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 18.0 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Tgt Ion: 75 Resp: 11794
Ion Ratio Lower Upper
75 100
110 9.2 16.7 50.1#
77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.589 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

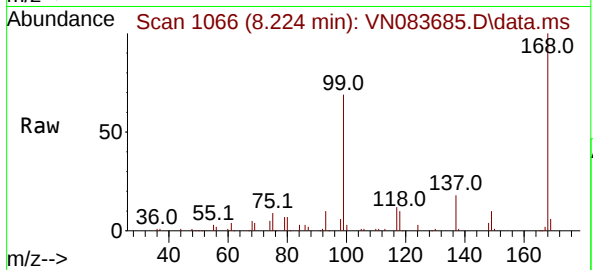
Lab File: VN083685.D

Acq: 05 Sep 2024 19:03

Instrument :

MSVOA_N

ClientSampleId :



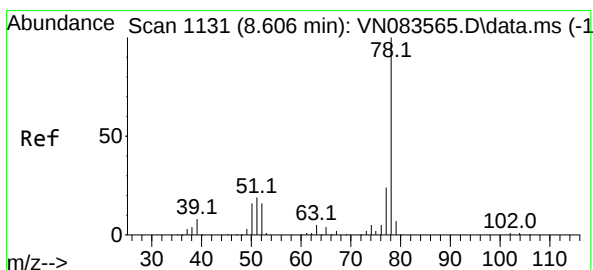
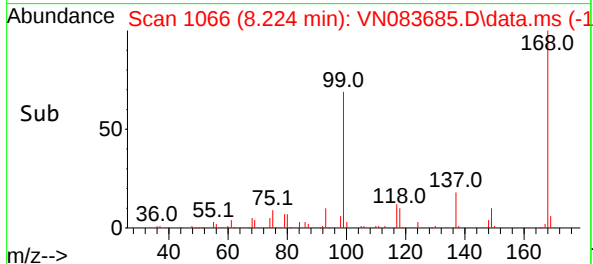
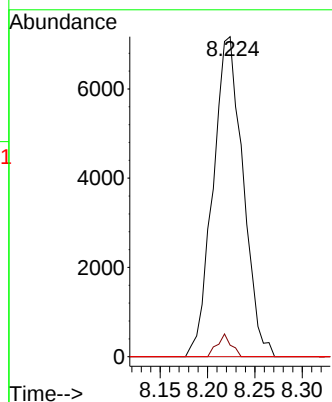
Tgt Ion:117 Resp: 15814

Ion Ratio Lower Upper

117 100

119 3.6 76.1 114.1#

121 0.0 24.1 36.1#



#40

Benzene

Concen: 0.299 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VN083685.D

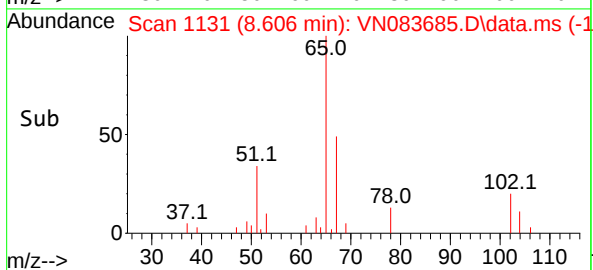
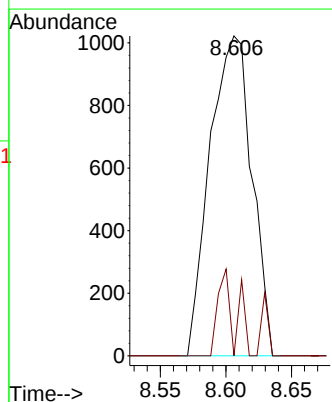
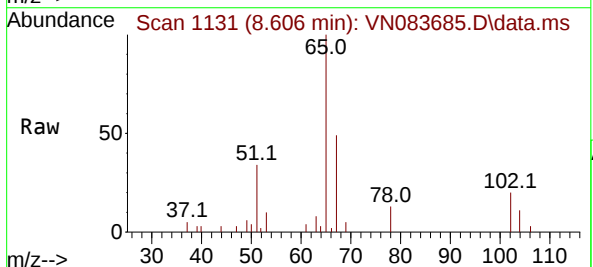
Acq: 05 Sep 2024 19:03

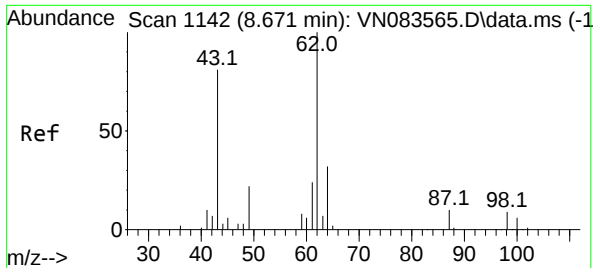
Tgt Ion: 78 Resp: 2278

Ion Ratio Lower Upper

78 100

77 0.0 19.0 28.6#

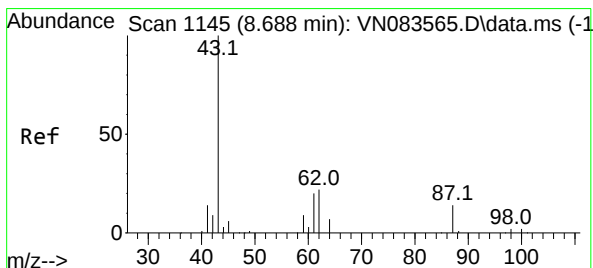
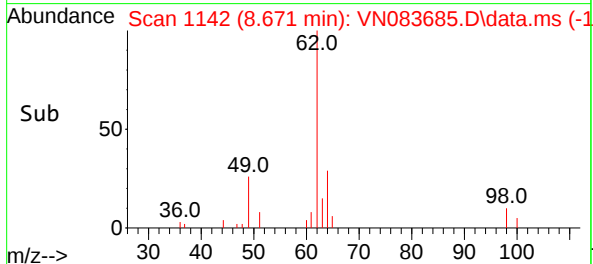
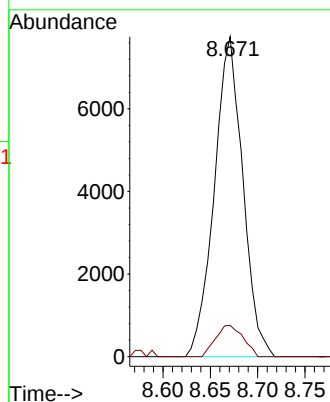
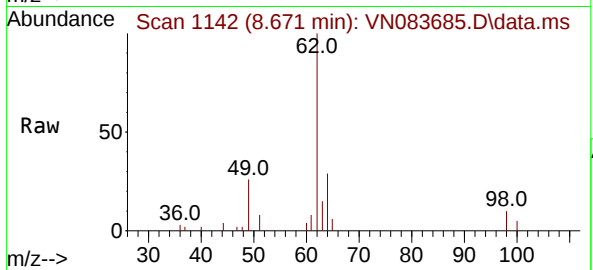




#42
1,2-Dichloroethane
Concen: 5.734 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

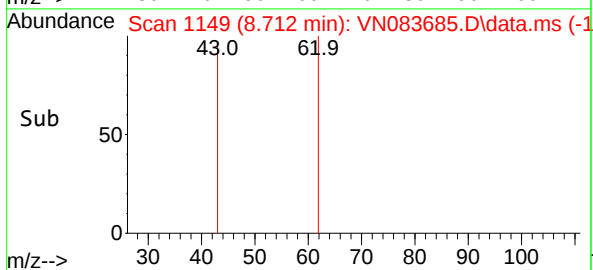
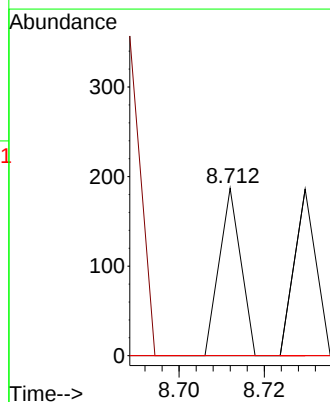
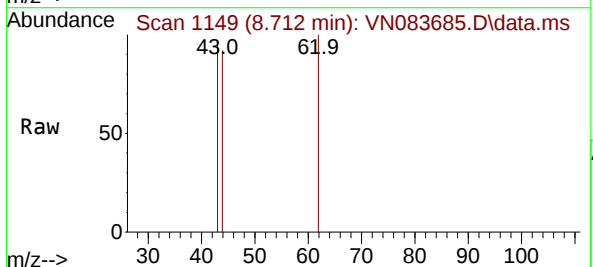
Instrument :
MSVOA_N
ClientSampleId :

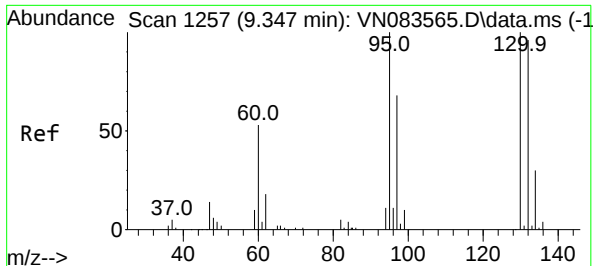
Tgt Ion: 62 Resp: 16214
Ion Ratio Lower Upper
62 100
98 9.4 0.0 16.6



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.712 min Scan# 1149
Delta R.T. 0.024 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

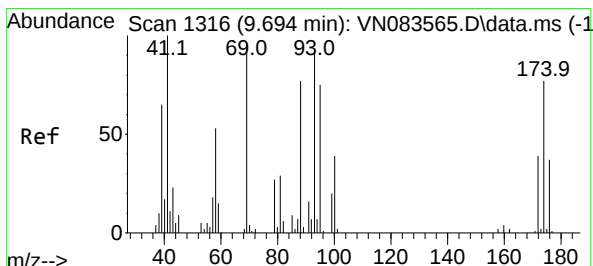
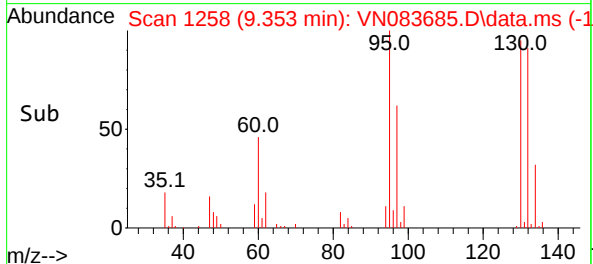
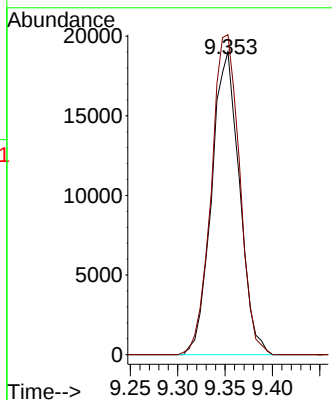
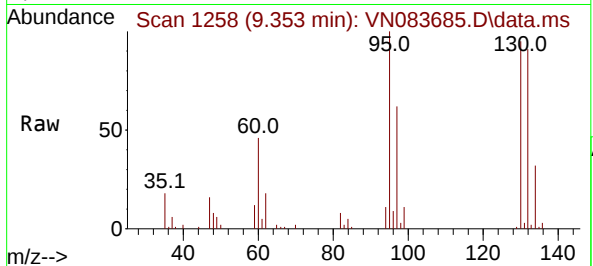




#44
Trichloroethene
Concen: 21.159 ug/l
RT: 9.353 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

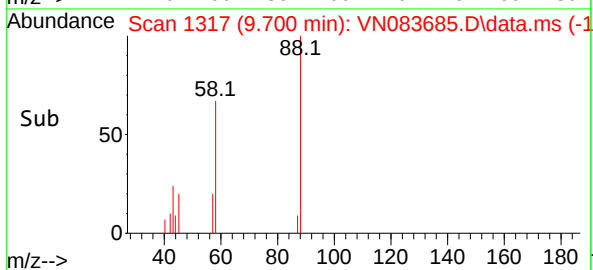
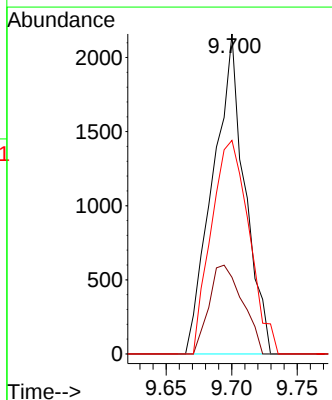
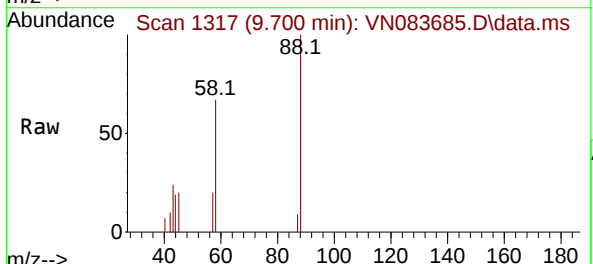
Instrument :
MSVOA_N
ClientSampleId :

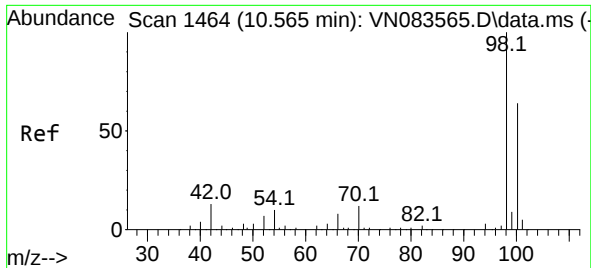
Tgt Ion:130 Resp: 38828
Ion Ratio Lower Upper
130 100
95 105.6 0.0 200.4



#49
1,4-Dioxane
Concen: 109.865 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.006 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Tgt Ion: 88 Resp: 3644
Ion Ratio Lower Upper
88 100
43 29.3 0.0 0.0#
58 79.5 57.1 85.7

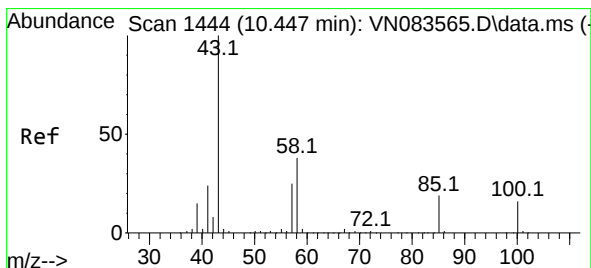
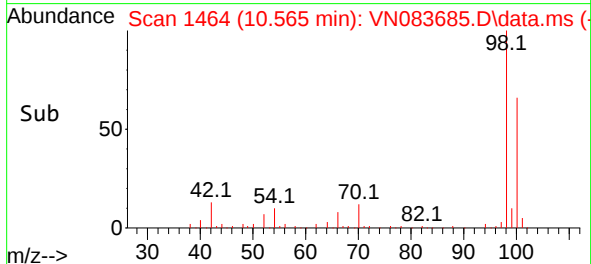
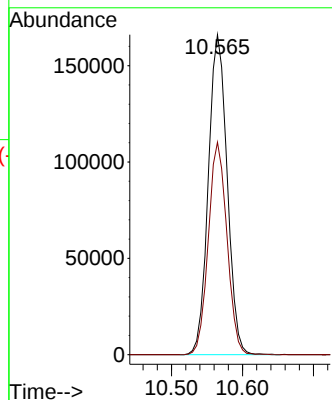
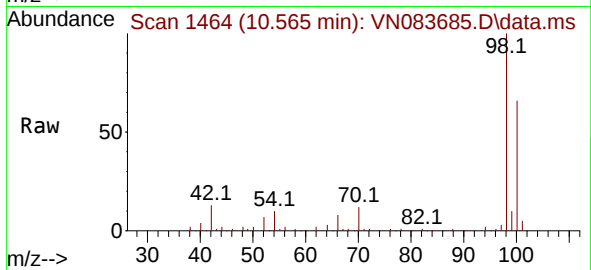




#50
Toluene-d8
Concen: 48.278 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

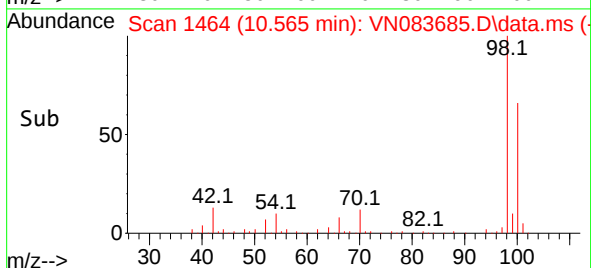
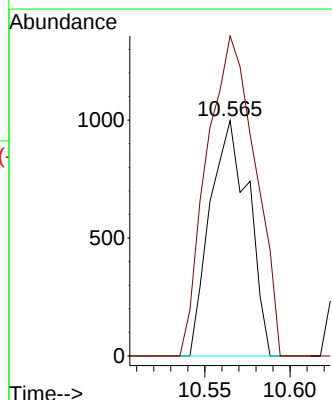
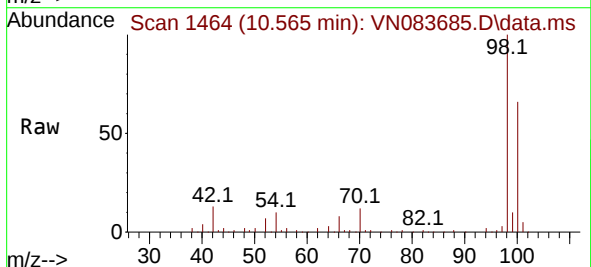
Instrument :
MSVOA_N
ClientSampleId :

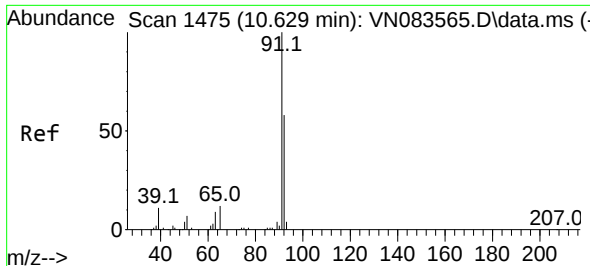
Tgt Ion: 98 Resp: 305732
Ion Ratio Lower Upper
98 100
100 65.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.687 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Tgt Ion: 43 Resp: 1576
Ion Ratio Lower Upper
43 100
58 170.5 31.6 47.4#

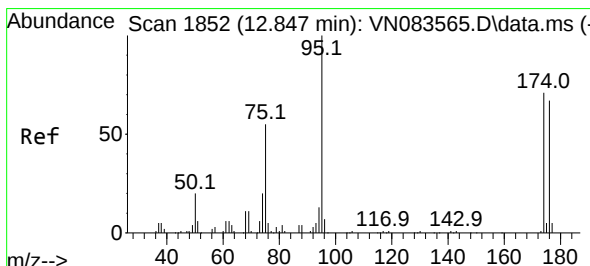
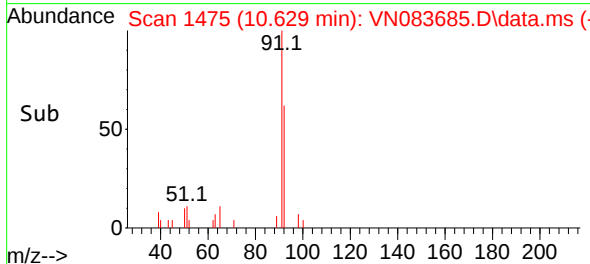
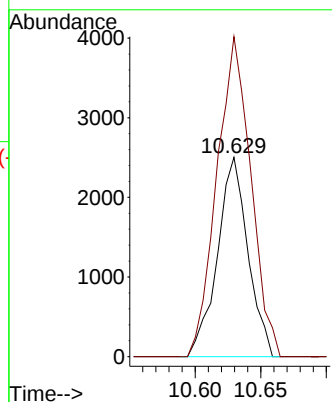
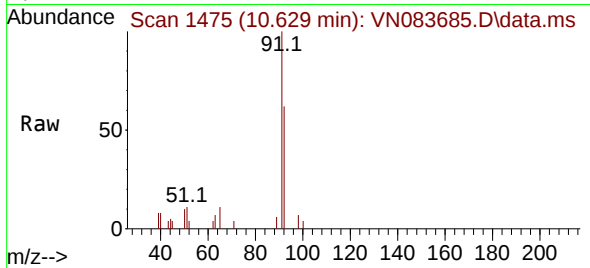




#52
Toluene
Concen: 0.850 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

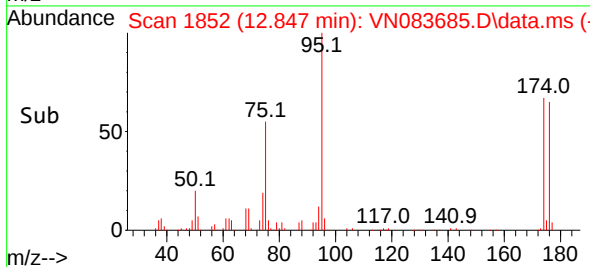
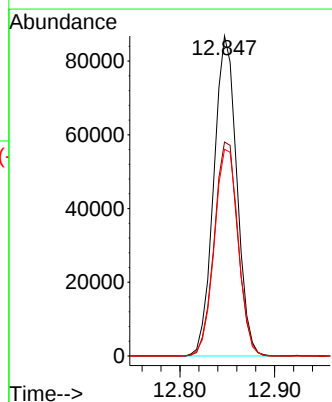
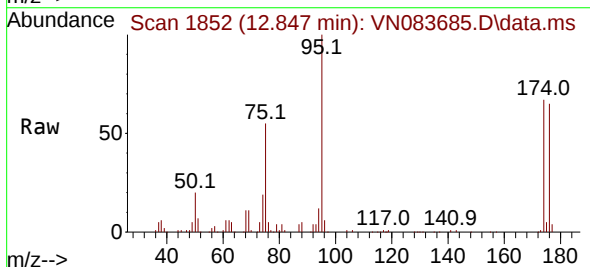
Instrument :
MSVOA_N
ClientSampleId :

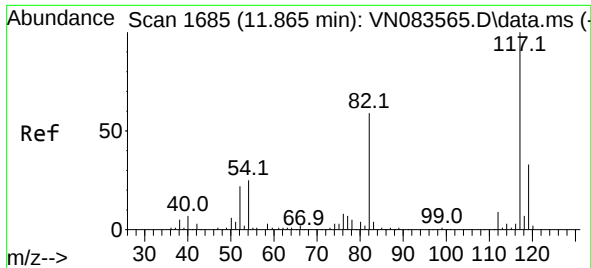
Tgt Ion: 92 Resp: 4053
Ion Ratio Lower Upper
92 100
91 178.8 134.7 202.1



#62
4-Bromofluorobenzene
Concen: 62.518 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Tgt Ion: 95 Resp: 146619
Ion Ratio Lower Upper
95 100
174 68.9 0.0 139.8
176 67.5 0.0 131.4

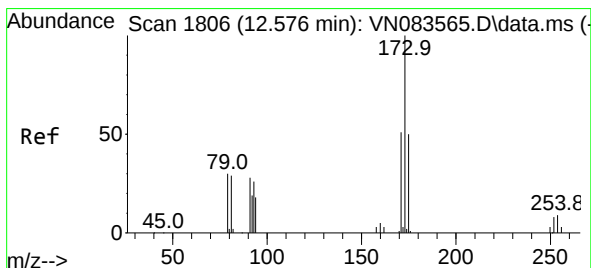
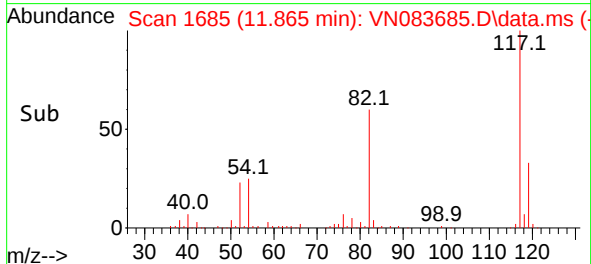
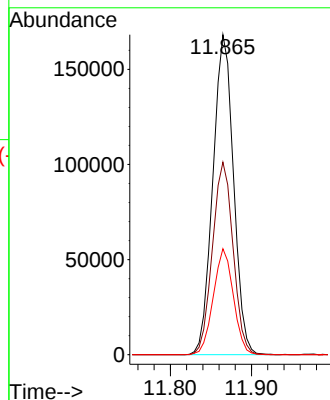
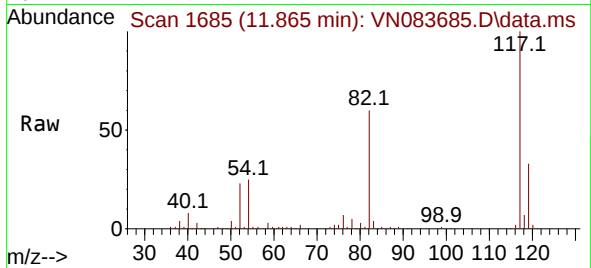




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

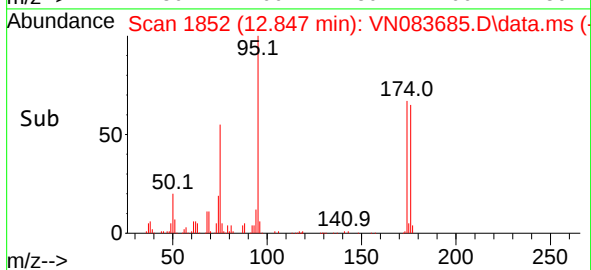
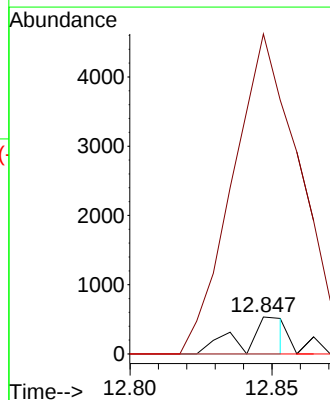
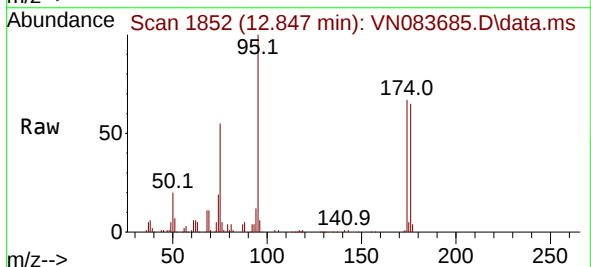
Instrument :
MSVOA_N
ClientSampleId :

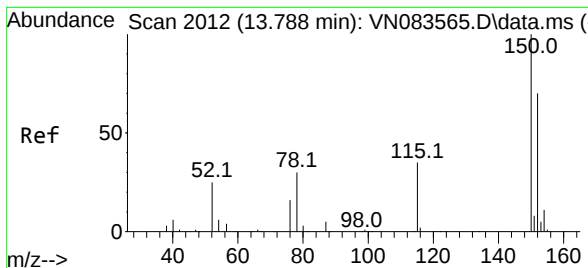
Tgt Ion:117 Resp: 297523
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.0
119 33.1 26.3 39.5



#71
Bromoform
Concen: 0.342 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Tgt Ion:173 Resp: 548
Ion Ratio Lower Upper
173 100
175 1020.1 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN083685.D

Acq: 05 Sep 2024 19:03

Instrument :

MSVOA_N

ClientSampleId :

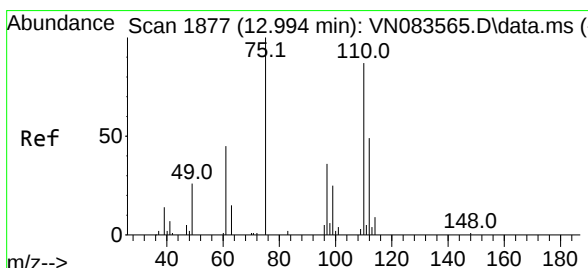
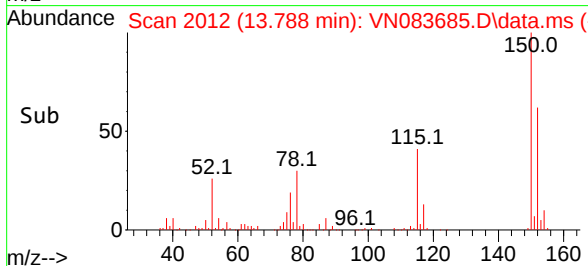
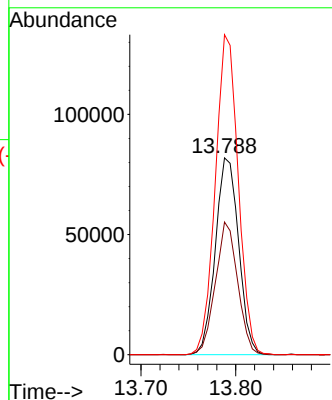
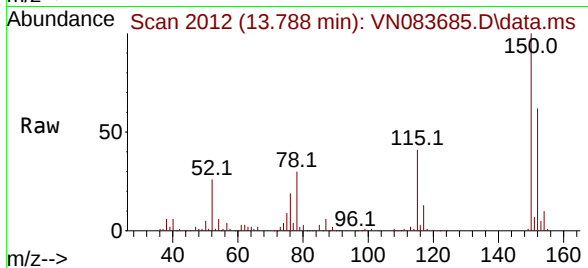
Tgt Ion:152 Resp: 139908

Ion Ratio Lower Upper

152 100

115 64.6 32.2 96.6

150 160.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 29.245 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083685.D

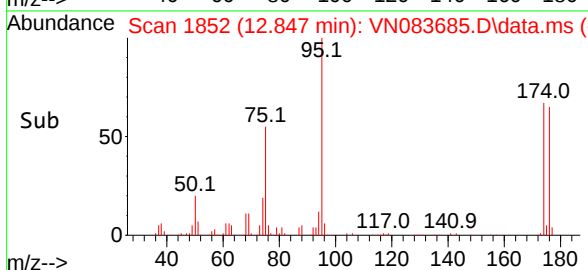
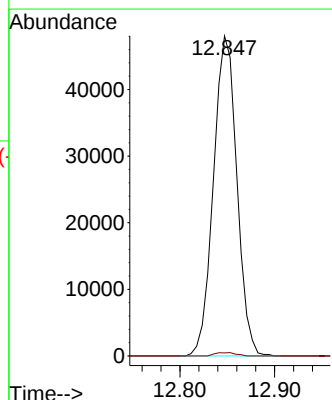
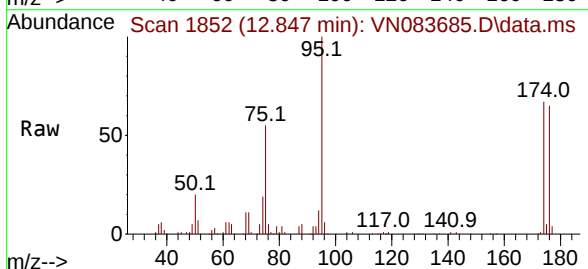
Acq: 05 Sep 2024 19:03

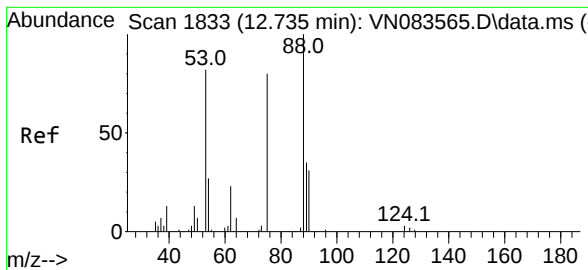
Tgt Ion: 75 Resp: 82610

Ion Ratio Lower Upper

75 100

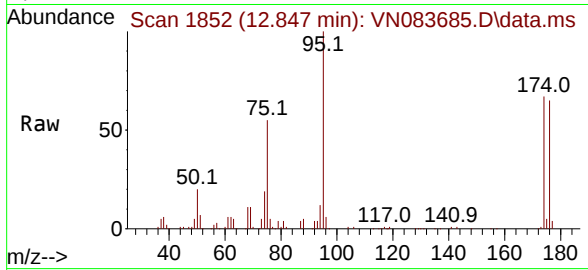
77 0.9 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 68.978 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083685.D
Acq: 05 Sep 2024 19:03

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 82610
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

