

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090524\
 Data File : VN083679.D
 Acq On : 05 Sep 2024 16:38
 Operator : JC\MD
 Sample : P3827-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 02:19:40 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

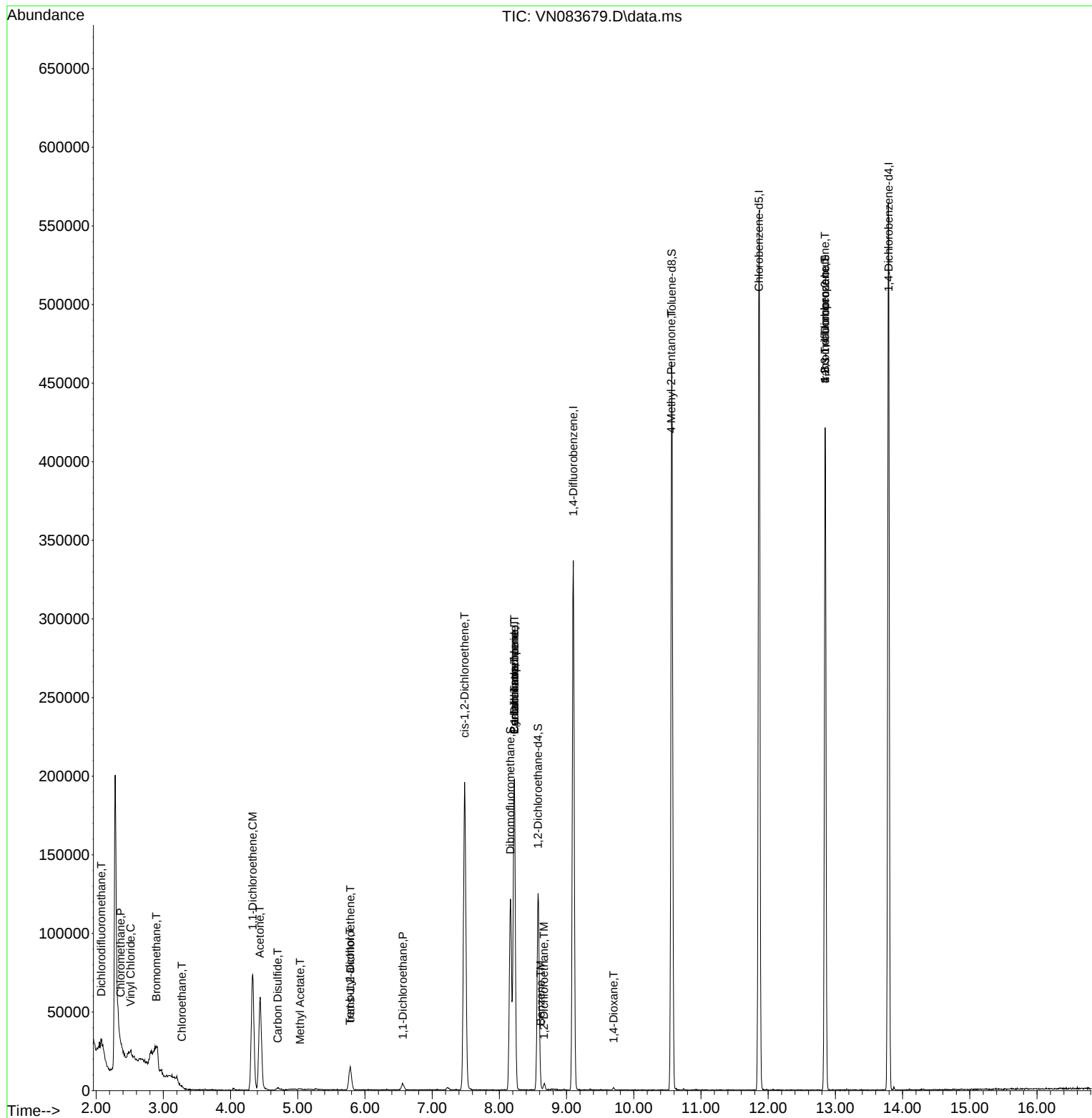
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	137348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	302072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	141269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107889	56.205	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 112.400%		
35) Dibromofluoromethane	8.165	113	87956	52.416	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.840%		
50) Toluene-d8	10.565	98	305186	46.727	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 93.460%		
62) 4-Bromofluorobenzene	12.847	95	145944	60.290	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 120.580%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.077	85	427	0.294	ug/l #	43
3) Chloromethane	2.365	50	1713	1.012	ug/l	92
4) Vinyl Chloride	2.512	62	570	0.336	ug/l #	1
5) Bromomethane	2.895	94	191	0.214	ug/l	82
6) Chloroethane	3.277	64	229	0.207	ug/l #	45
11) Tert butyl alcohol	5.777	59	116	0.388	ug/l #	71
12) 1,1-Dichloroethene	4.330	96	42054	27.949	ug/l	96
16) Acetone	4.436	43	2289	2.990	ug/l #	45
17) Carbon Disulfide	4.700	76	3716	0.847	ug/l #	75
18) Methyl Acetate	5.036	43	967	0.475	ug/l #	52
21) trans-1,2-Dichloroethene	5.783	96	8884	5.668	ug/l	97
24) 1,1-Dichloroethane	6.565	63	6453	2.139	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	111576	59.658	ug/l	88
31) Cyclohexane	8.224	56	3647	1.228	ug/l #	34
36) 1,1-Dichloropropene	8.224	75	13048	5.098	ug/l #	51
38) Carbon Tetrachloride	8.224	117	16218	5.553	ug/l #	17
40) Benzene	8.612	78	2108	0.268	ug/l #	87
42) 1,2-Dichloroethane	8.665	62	3984	1.365	ug/l	83
43) Isopropyl Acetate	8.700	43	62	Below Cal	#	57
49) 1,4-Dioxane	9.700	88	975	28.479	ug/l #	98
51) 4-Methyl-2-Pentanone	10.559	43	1574	0.665	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	80111	28.087	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80111	66.247	ug/l #	9

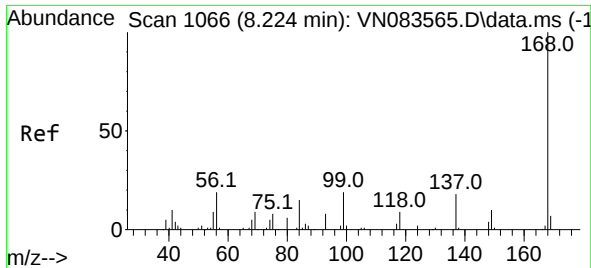
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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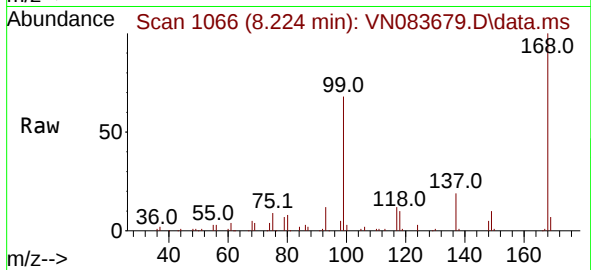
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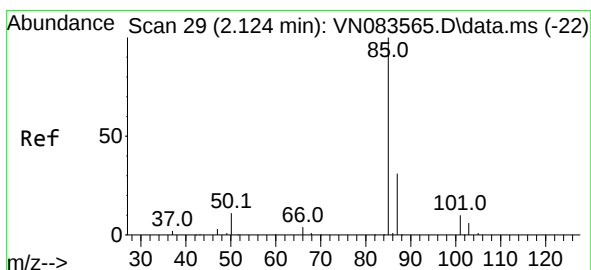
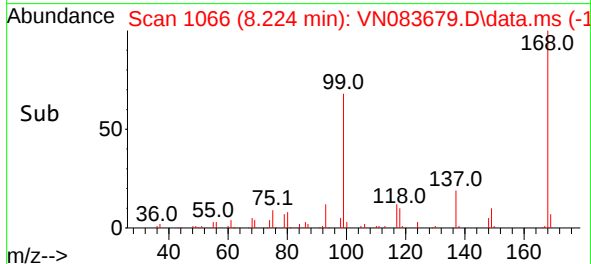
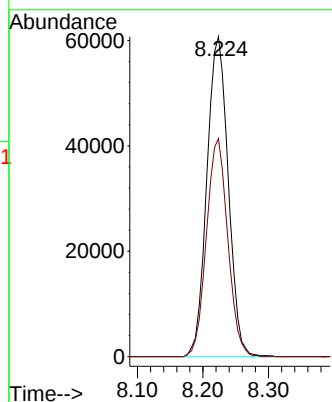


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :

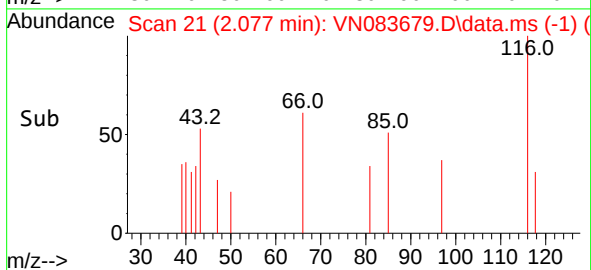
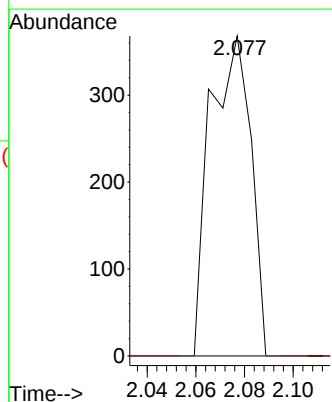
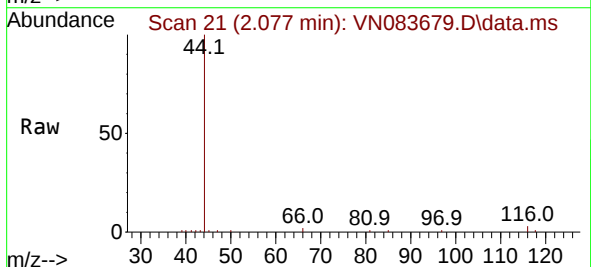


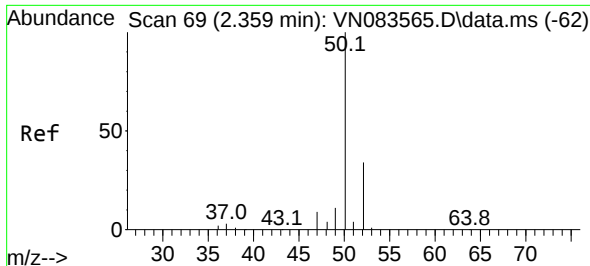
Tgt Ion:168 Resp: 137348
Ion Ratio Lower Upper
168 100
99 68.2 54.2 81.2



#2
Dichlorodifluoromethane
Concen: 0.294 ug/l
RT: 2.077 min Scan# 21
Delta R.T. -0.047 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

Tgt Ion: 85 Resp: 427
Ion Ratio Lower Upper
85 100
87 0.0 15.7 47.0#

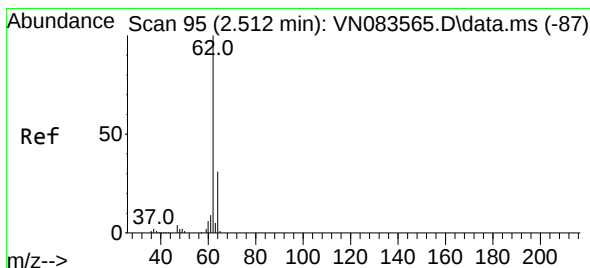
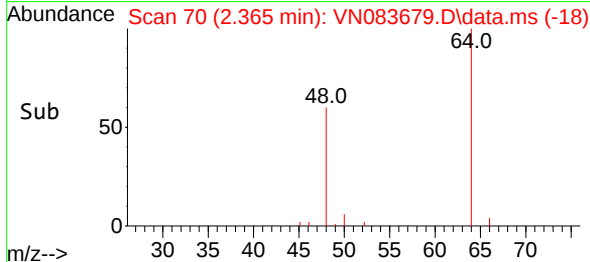
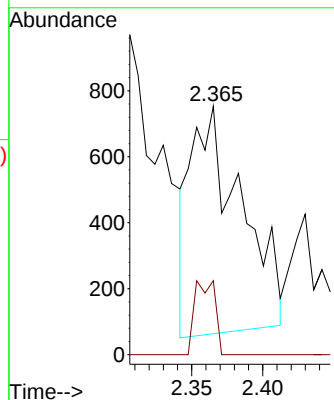
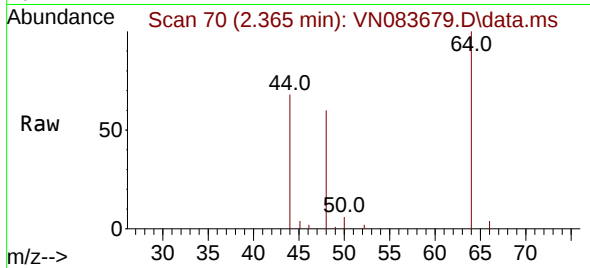




#3
Chloromethane
Concen: 1.012 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

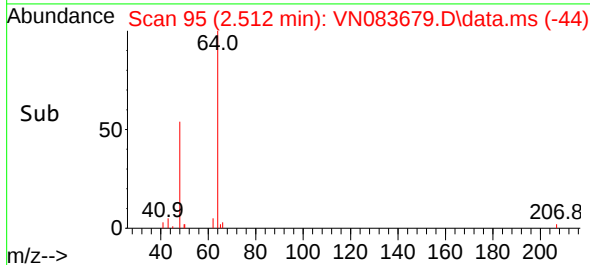
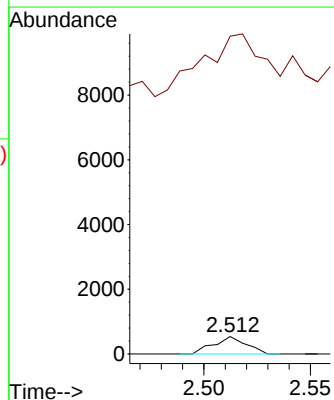
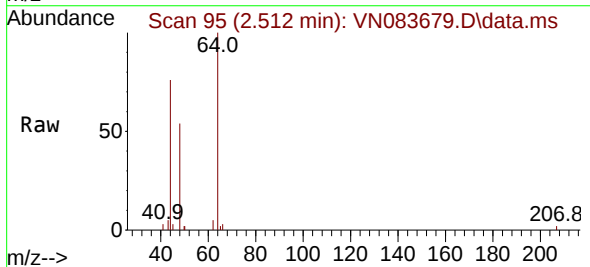
Instrument :
MSVOA_N
ClientSampleId :

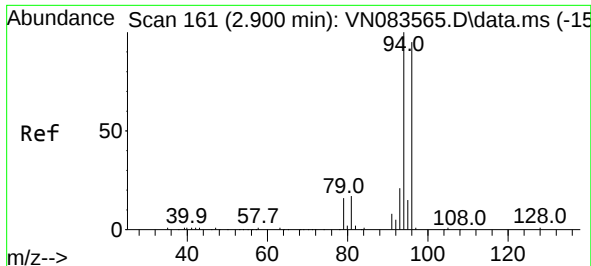
Tgt Ion: 50 Resp: 1713
Ion Ratio Lower Upper
50 100
52 38.4 27.2 40.8



#4
Vinyl Chloride
Concen: 0.336 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

Tgt Ion: 62 Resp: 570
Ion Ratio Lower Upper
62 100
64 231.0 24.7 37.1#

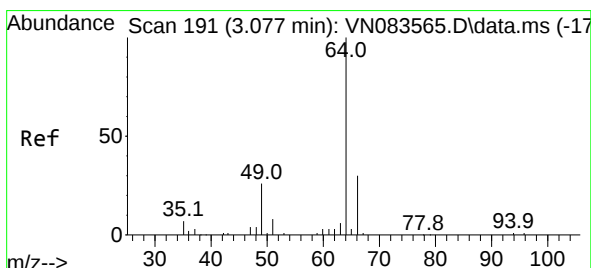
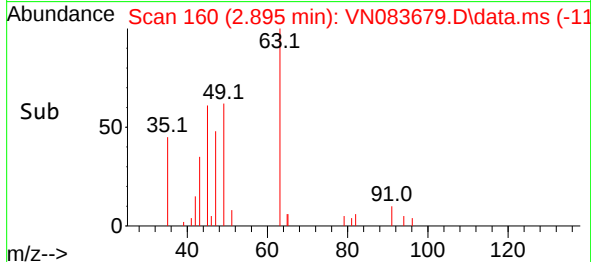
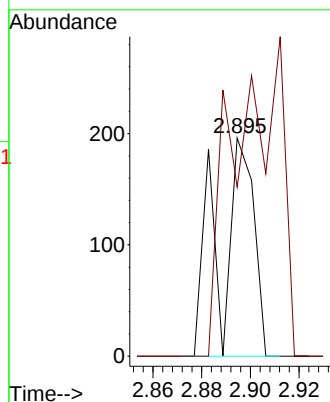
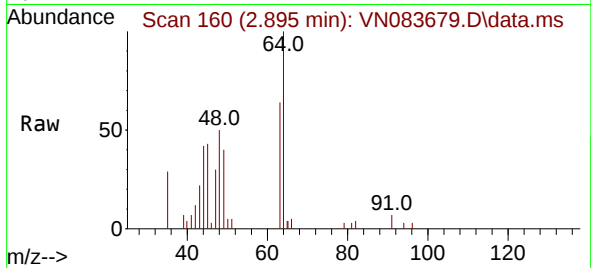




#5
Bromomethane
Concen: 0.214 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

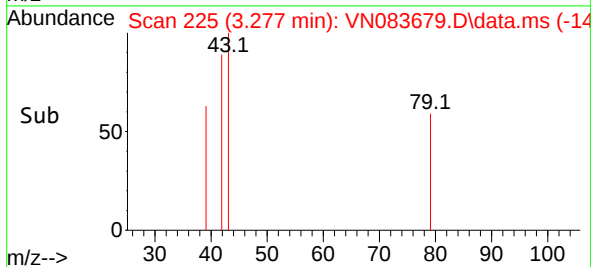
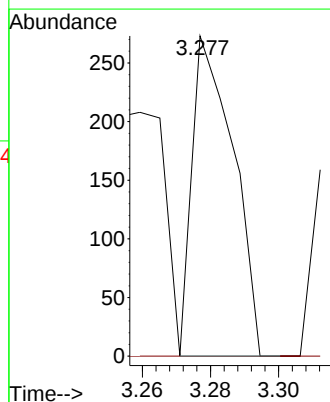
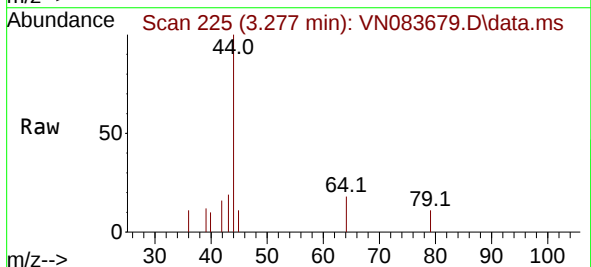
Instrument :
MSVOA_N
ClientSampleId :

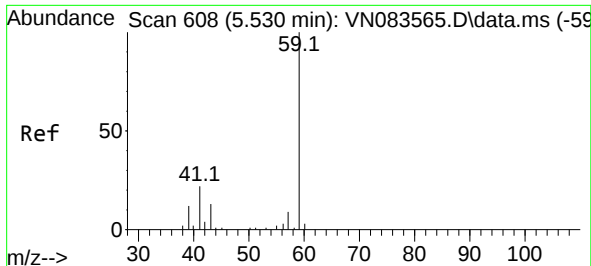
Tgt Ion: 94 Resp: 191
Ion Ratio Lower Upper
94 100
96 77.6 76.0 114.0



#6
Chloroethane
Concen: 0.207 ug/l
RT: 3.277 min Scan# 225
Delta R.T. 0.200 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

Tgt Ion: 64 Resp: 229
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#





#11

Tert butyl alcohol

Concen: 0.388 ug/l

RT: 5.777 min Scan# 61

Delta R.T. 0.247 min

Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

Instrument :

MSVOA_N

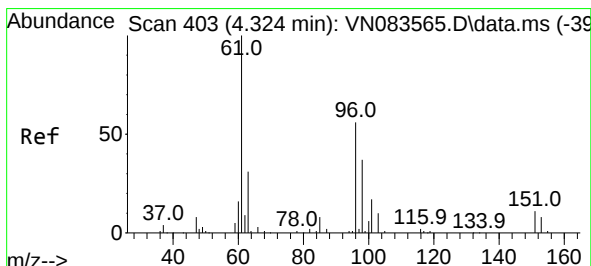
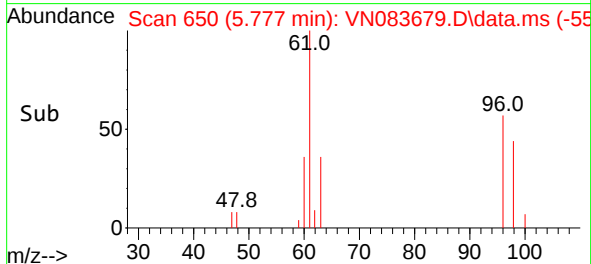
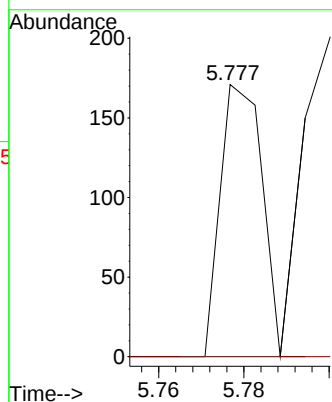
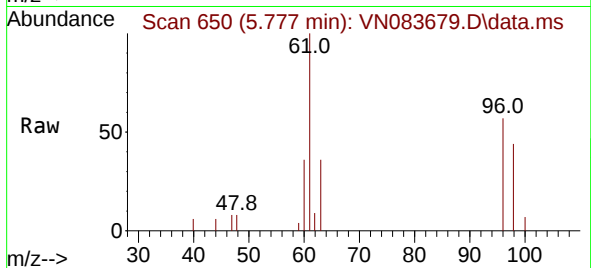
ClientSampleId :

Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#12

1,1-Dichloroethene

Concen: 27.949 ug/l

RT: 4.330 min Scan# 404

Delta R.T. 0.006 min

Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

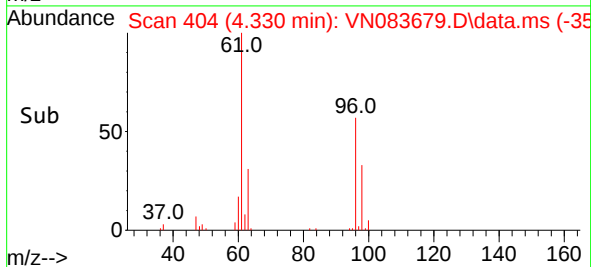
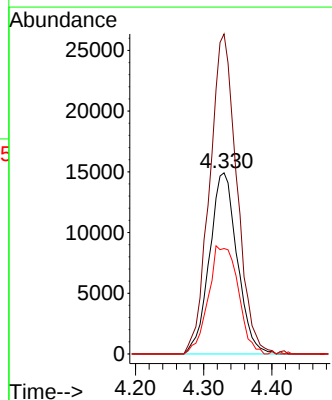
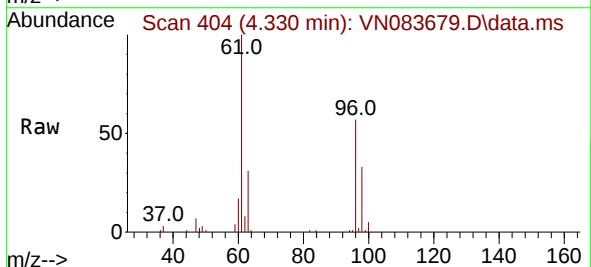
Tgt Ion: 96 Resp: 42054

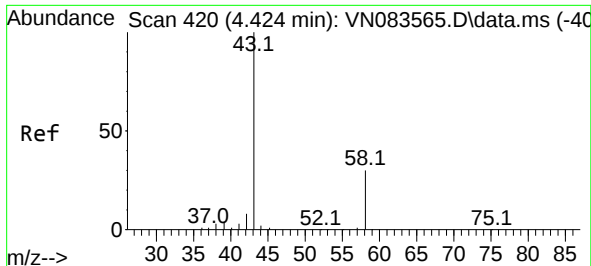
Ion Ratio Lower Upper

96 100

61 176.6 143.4 215.0

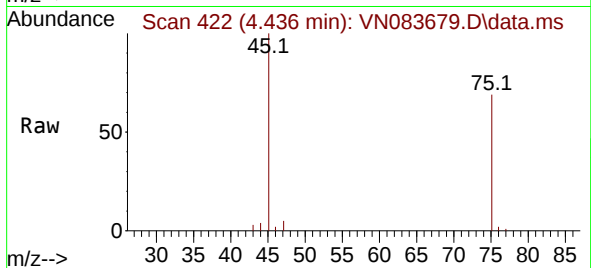
98 58.2 52.7 79.1



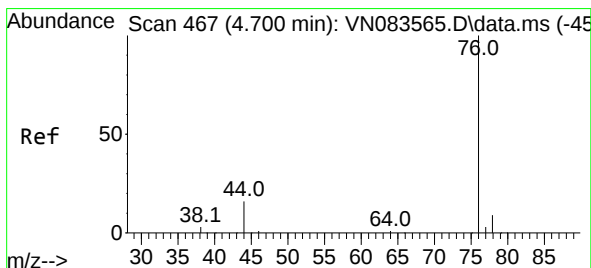
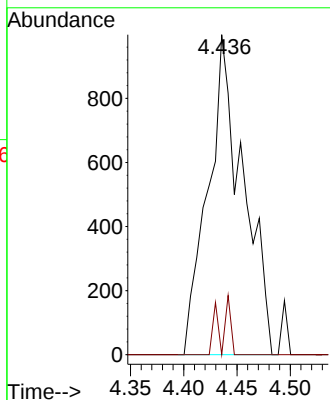
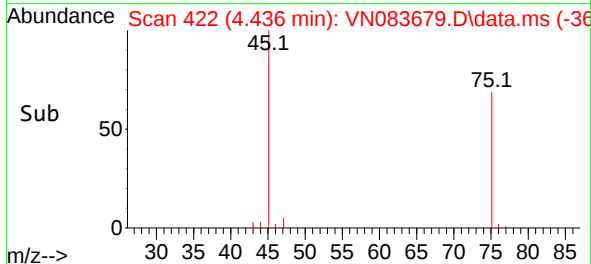


#16
Acetone
Concen: 2.990 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

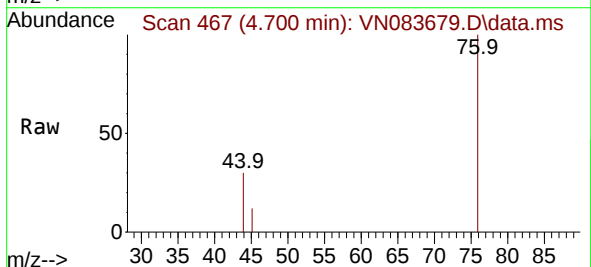
Instrument :
MSVOA_N
ClientSampleId :



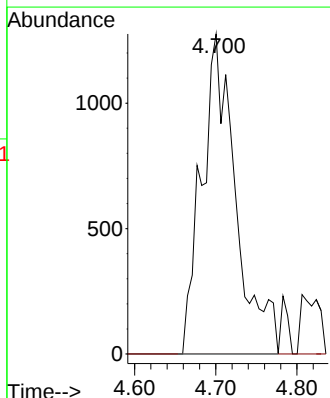
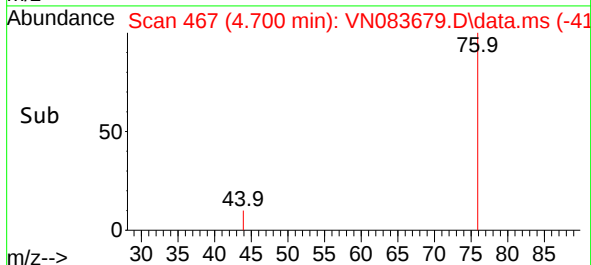
Tgt Ion: 43 Resp: 2289
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#

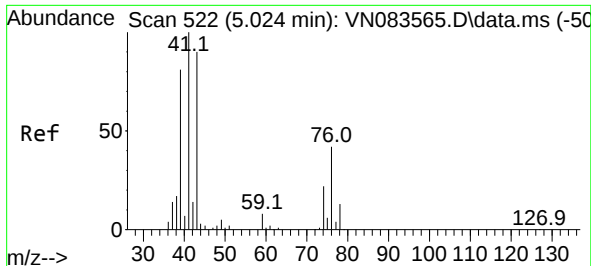


#17
Carbon Disulfide
Concen: 0.847 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.000 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38



Tgt Ion: 76 Resp: 3716
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: 0.475 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.012 min

Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

Instrument :

MSVOA_N

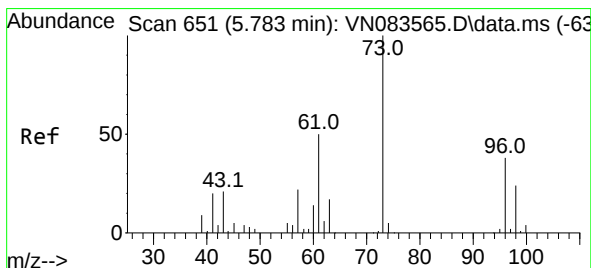
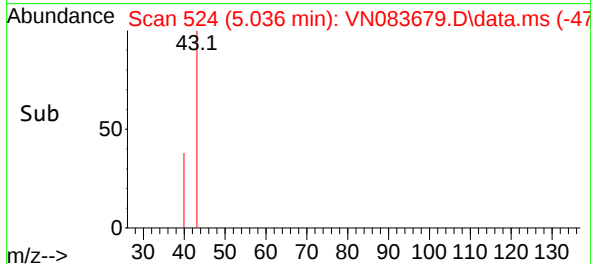
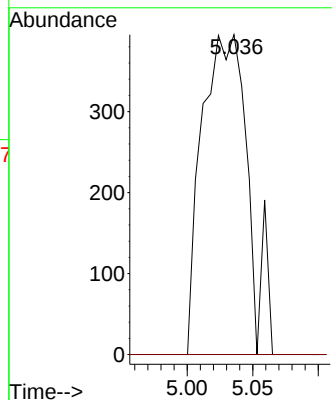
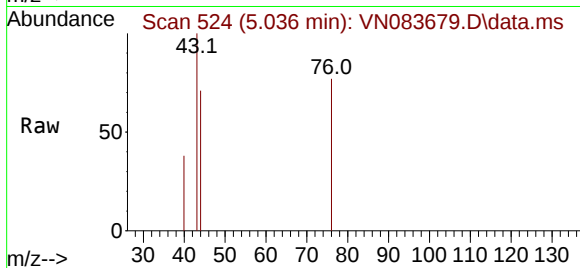
ClientSampleId :

Tgt Ion: 43 Resp: 967

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.4#



#21

trans-1,2-Dichloroethene

Concen: 5.668 ug/l

RT: 5.783 min Scan# 651

Delta R.T. -0.000 min

Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

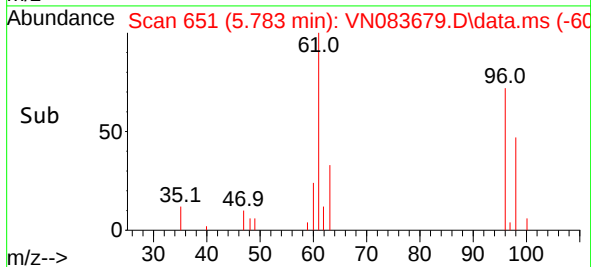
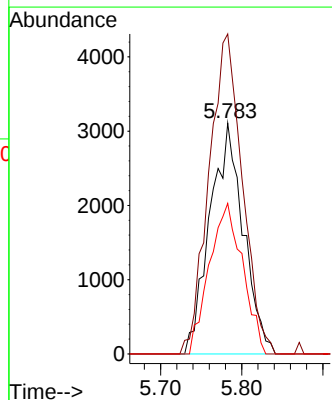
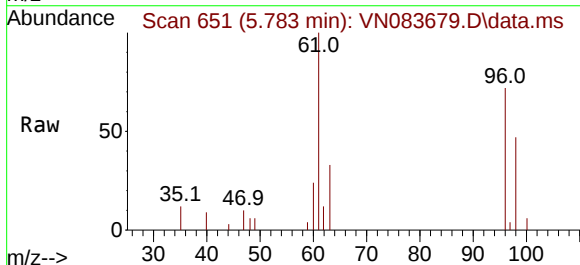
Tgt Ion: 96 Resp: 8884

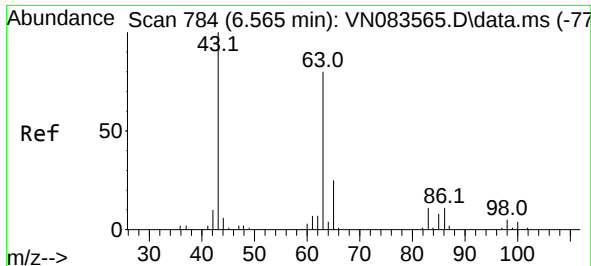
Ion Ratio Lower Upper

96 100

61 138.6 106.0 159.0

98 65.2 52.2 78.2

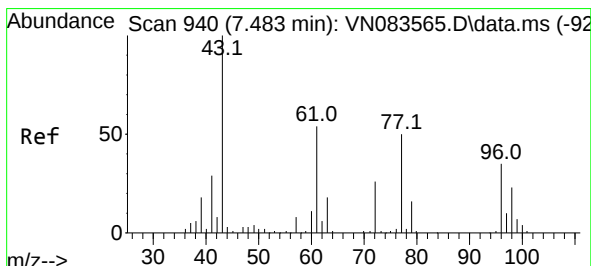
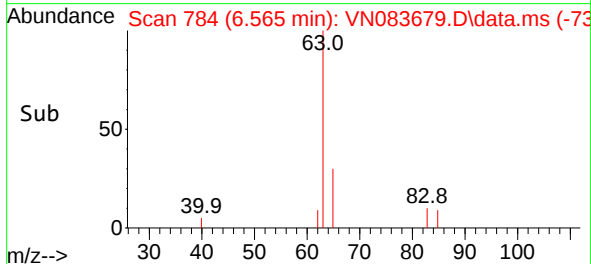
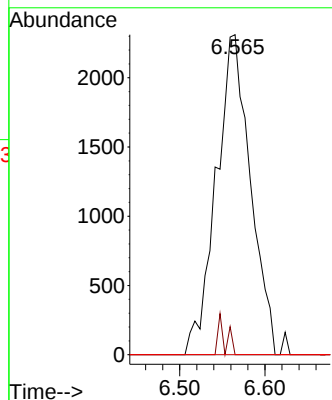
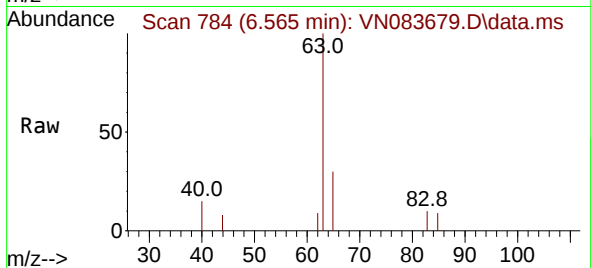




#24
1,1-Dichloroethane
Concen: 2.139 ug/l
RT: 6.565 min Scan# 784
Delta R.T. -0.000 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

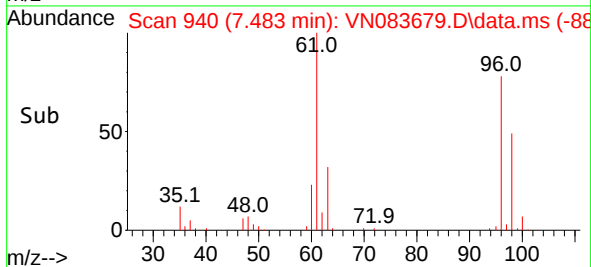
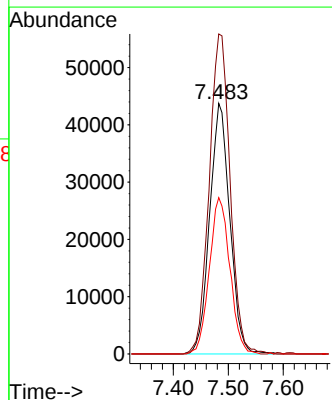
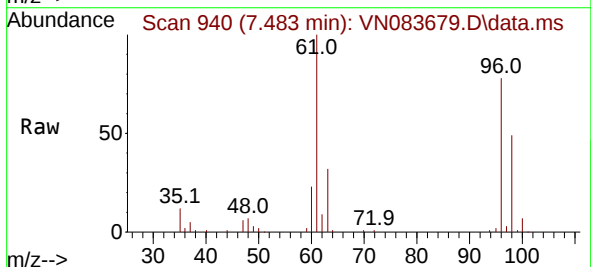
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MSVOA_N
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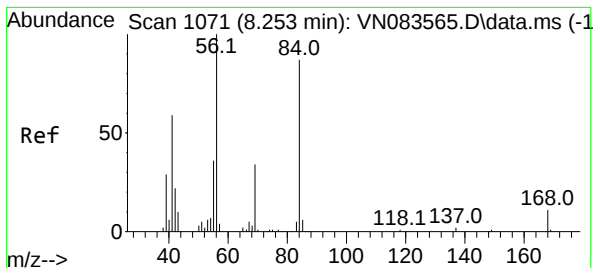
Tgt Ion: 63 Resp: 6453
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 59.658 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

Tgt Ion: 96 Resp: 111576
Ion Ratio Lower Upper
96 100
61 132.2 0.0 306.2
98 63.5 0.0 128.6





#31

Cyclohexane

Concen: 1.228 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

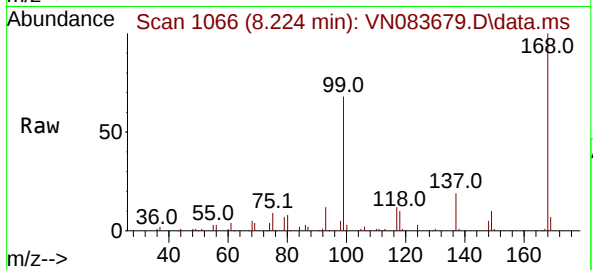
Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

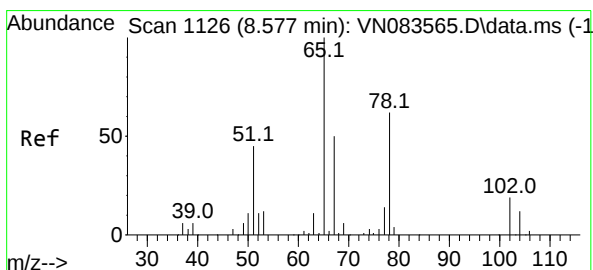
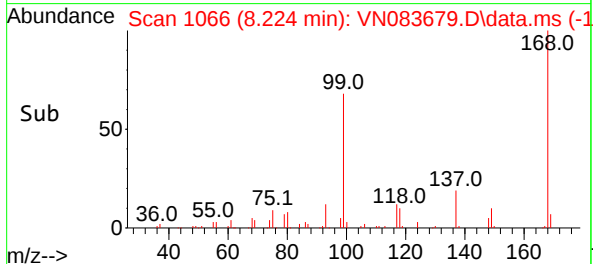
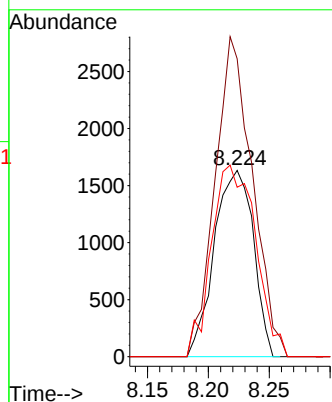
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	3647
Ion Ratio	Lower	Upper	
56	100		
69	160.0	26.9	40.3#
84	91.0	69.2	103.8



#33

1,2-Dichloroethane-d4

Concen: 56.205 ug/l

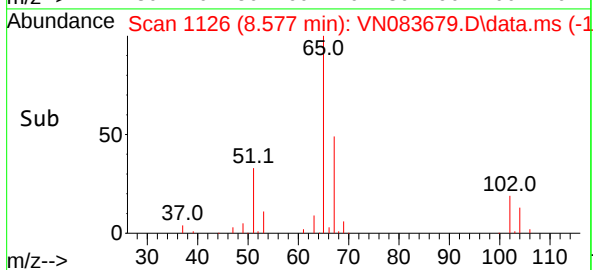
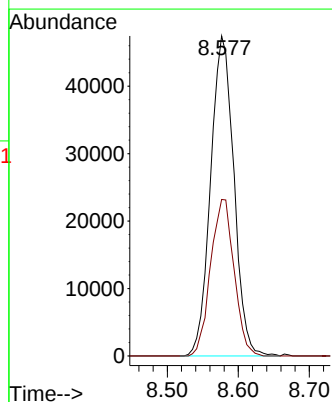
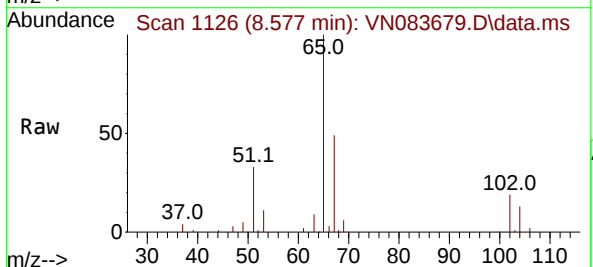
RT: 8.577 min Scan# 1126

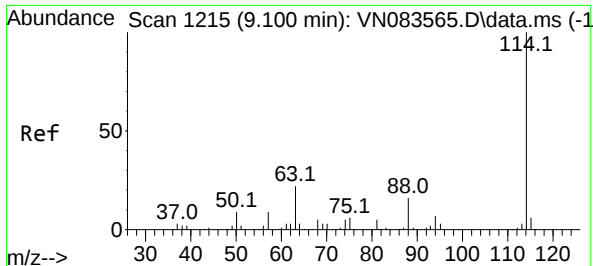
Delta R.T. -0.000 min

Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

Tgt Ion:	65	Resp:	107889
Ion Ratio	Lower	Upper	
65	100		
67	49.4	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: VN083679.D

Acq: 05 Sep 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :

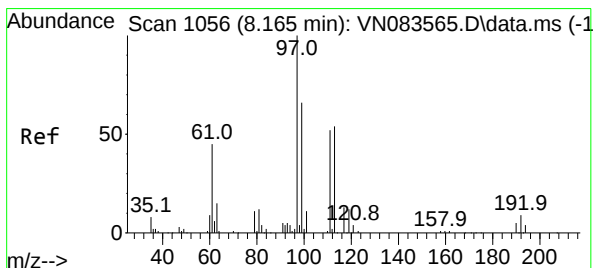
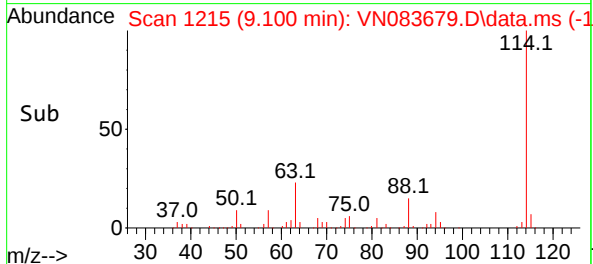
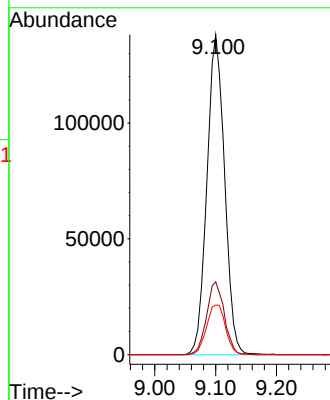
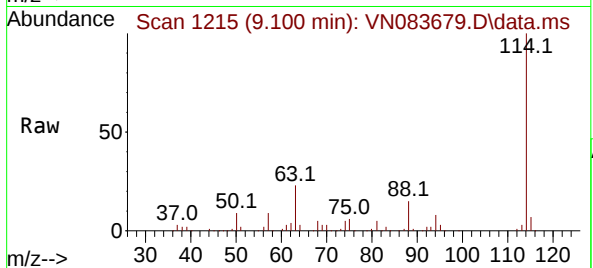
Tgt Ion:114 Resp: 278801

Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.4

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.416 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

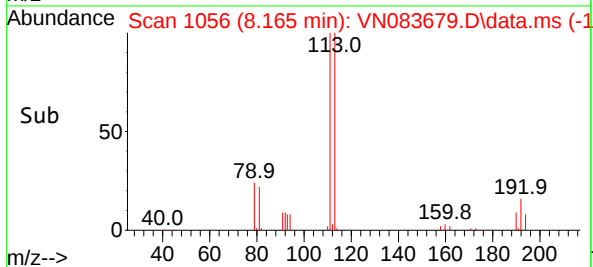
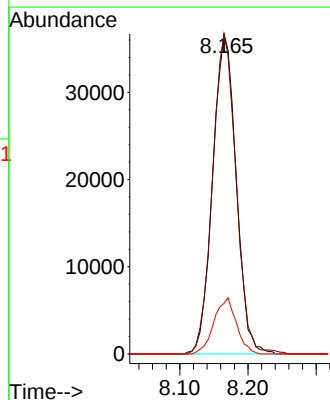
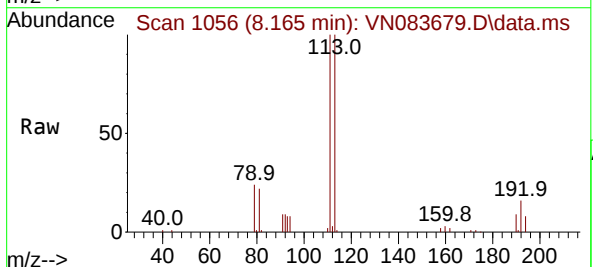
Tgt Ion:113 Resp: 87956

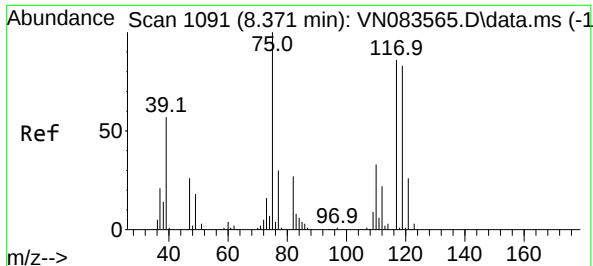
Ion Ratio Lower Upper

113 100

111 100.4 82.6 124.0

192 16.8 14.3 21.5

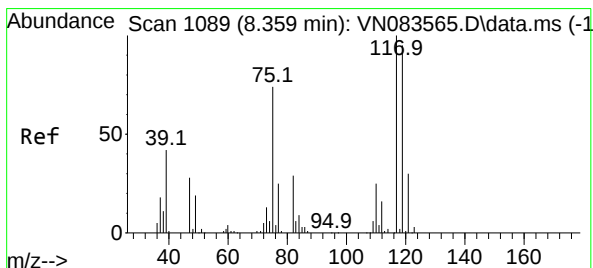
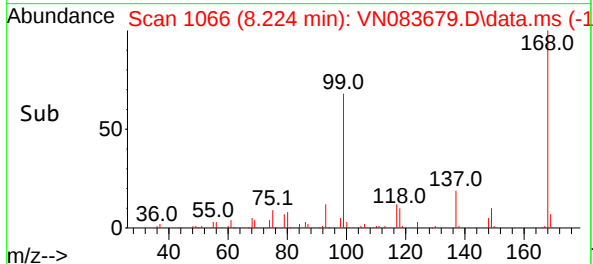
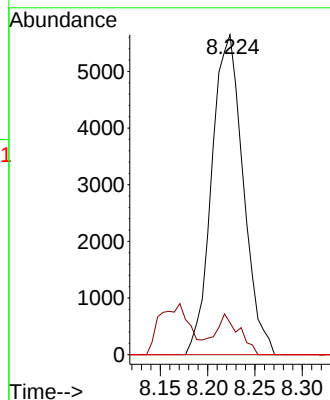
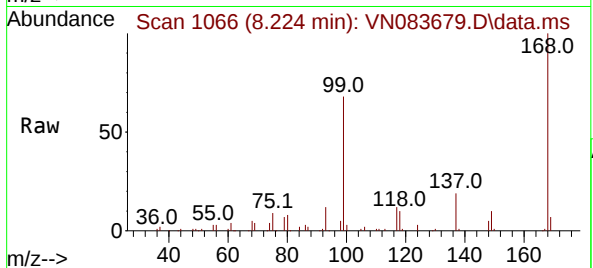




#36
1,1-Dichloropropene
Concen: 5.098 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

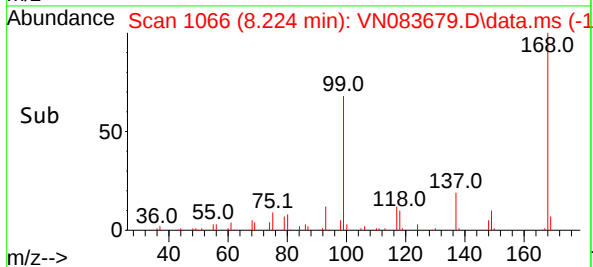
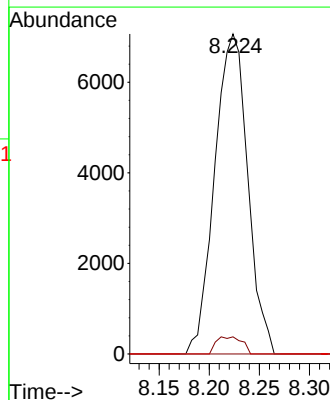
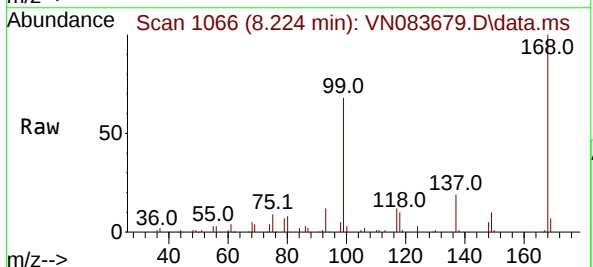
Instrument :
MSVOA_N
ClientSampleId :

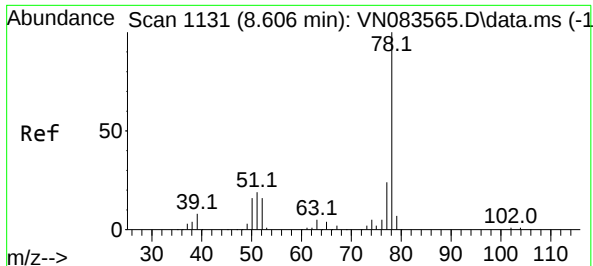
Tgt Ion: 75 Resp: 13048
Ion Ratio Lower Upper
75 100
110 9.8 16.7 50.1#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.553 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

Tgt Ion: 117 Resp: 16218
Ion Ratio Lower Upper
117 100
119 5.4 76.1 114.1#
121 0.0 24.1 36.1#

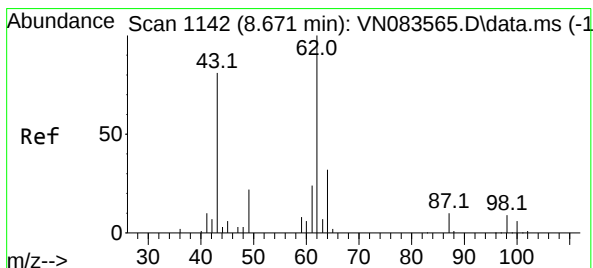
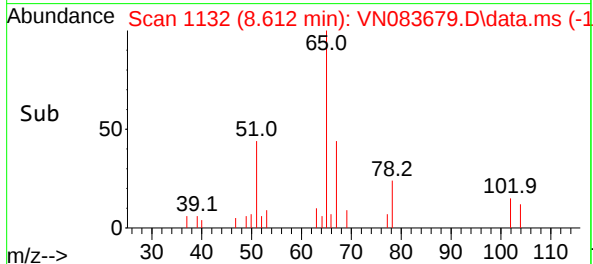
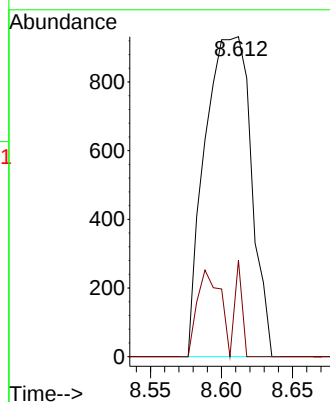
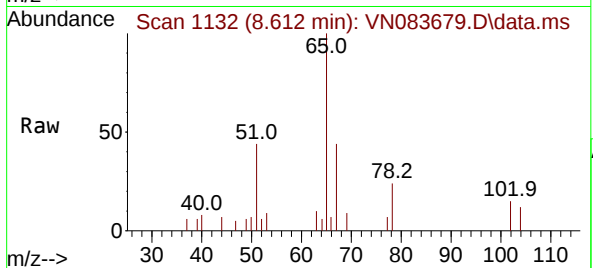




#40
Benzene
Concen: 0.268 ug/l
RT: 8.612 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

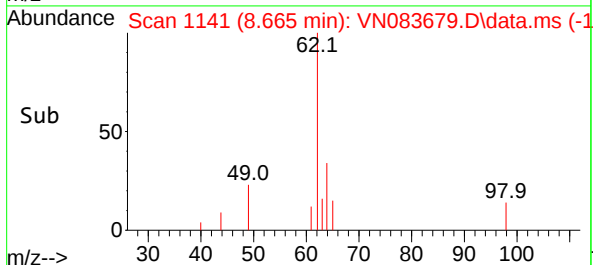
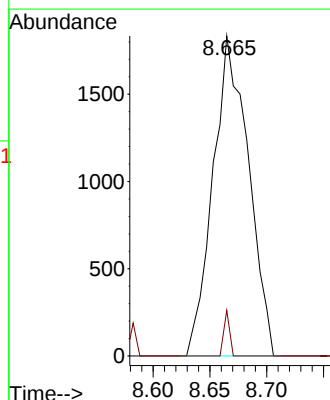
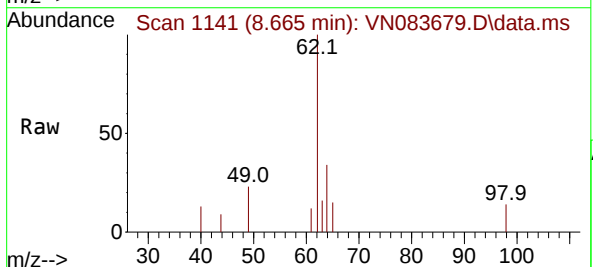
Instrument :
MSVOA_N
ClientSampleId :

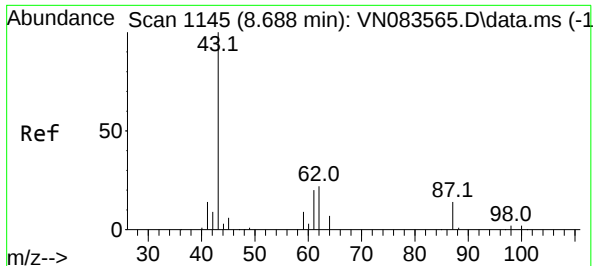
Tgt Ion: 78 Resp: 2108
Ion Ratio Lower Upper
78 100
77 30.2 19.0 28.6#



#42
1,2-Dichloroethane
Concen: 1.365 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

Tgt Ion: 62 Resp: 3984
Ion Ratio Lower Upper
62 100
98 2.3 0.0 16.6





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.700 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN083679.D

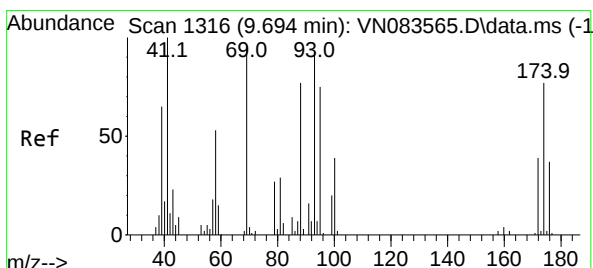
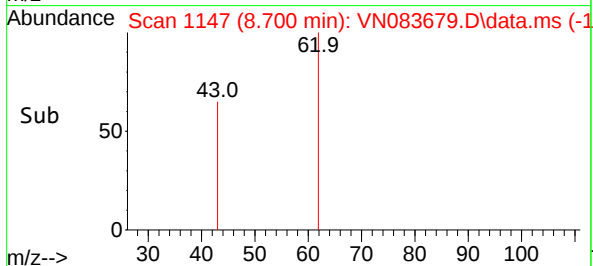
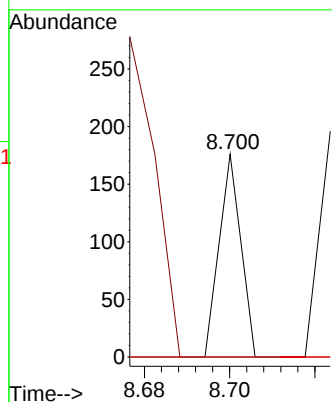
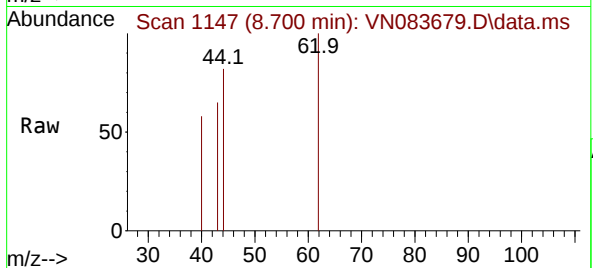
Acq: 05 Sep 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
61	0.0	19.4	29.0#
87	0.0	9.8	14.6#



#49

1,4-Dioxane

Concen: 28.479 ug/l

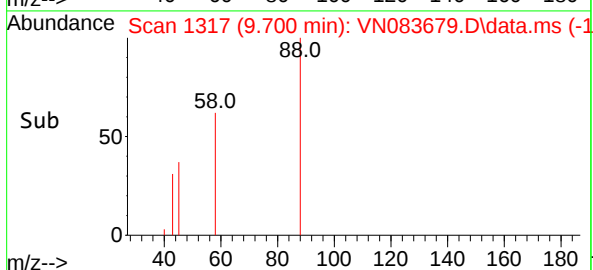
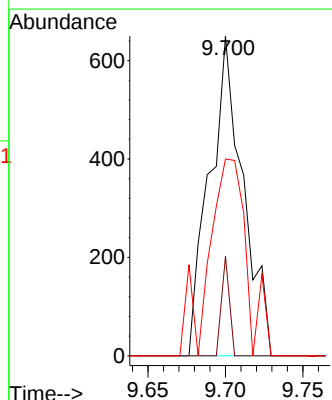
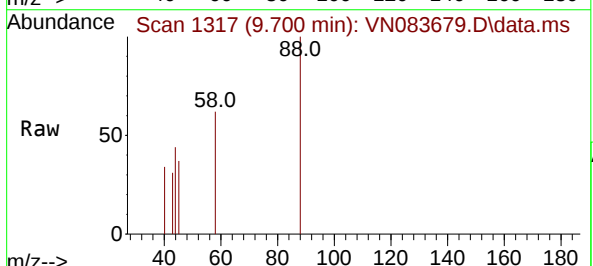
RT: 9.700 min Scan# 1317

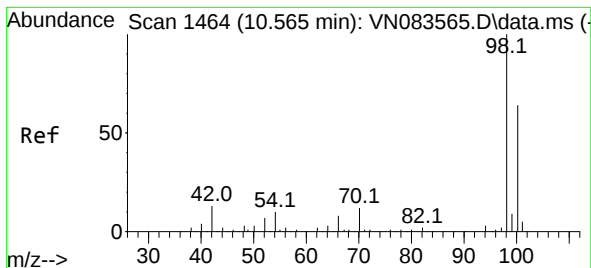
Delta R.T. 0.006 min

Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

Tgt Ion:	88	Resp:	975
Ion	Ratio	Lower	Upper
88	100		
43	7.3	0.0	0.0#
58	69.8	57.1	85.7





#50

Toluene-d8

Concen: 46.727 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

Instrument :

MSVOA_N

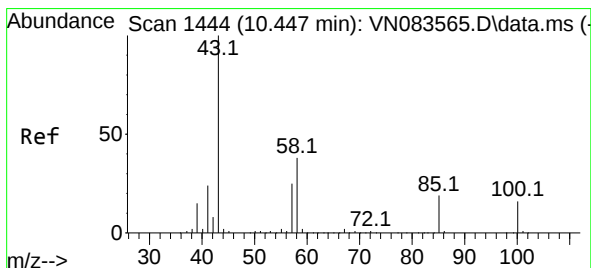
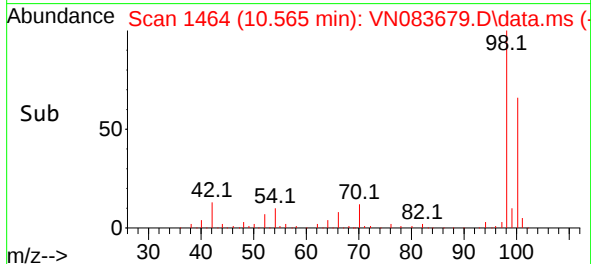
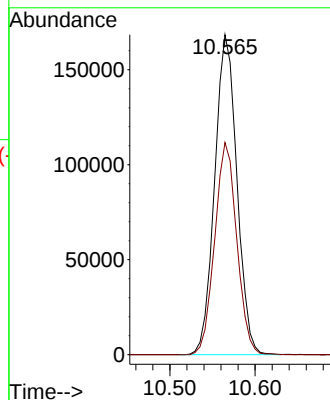
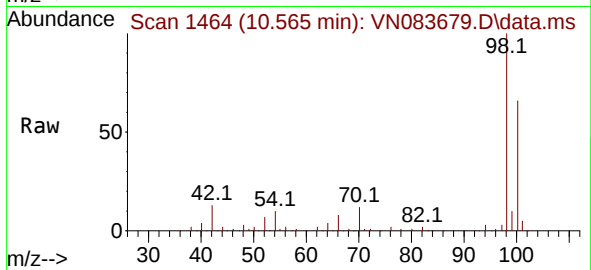
ClientSampleId :

Tgt Ion: 98 Resp: 305186

Ion Ratio Lower Upper

98 100

100 65.8 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 0.665 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. 0.112 min

Lab File: VN083679.D

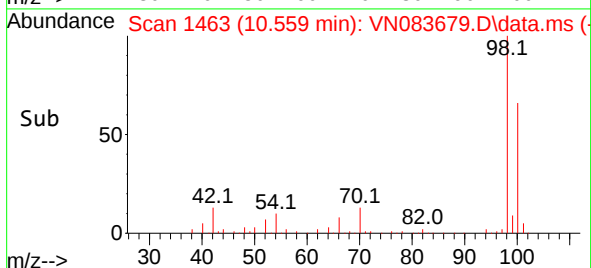
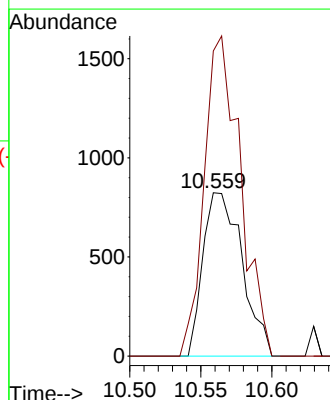
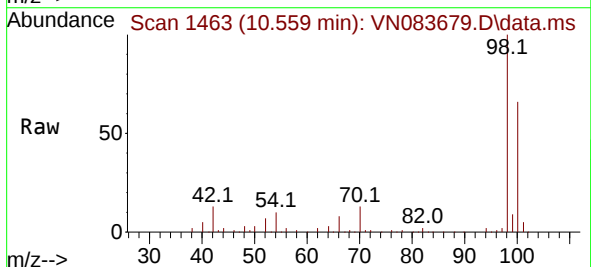
Acq: 05 Sep 2024 16:38

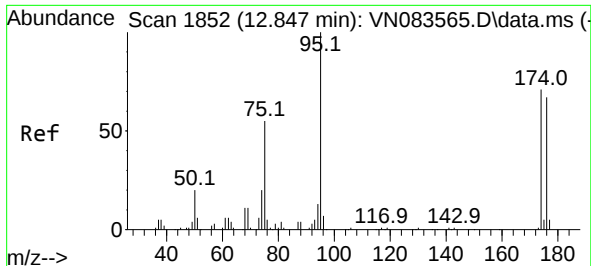
Tgt Ion: 43 Resp: 1574

Ion Ratio Lower Upper

43 100

58 182.0 31.6 47.4#

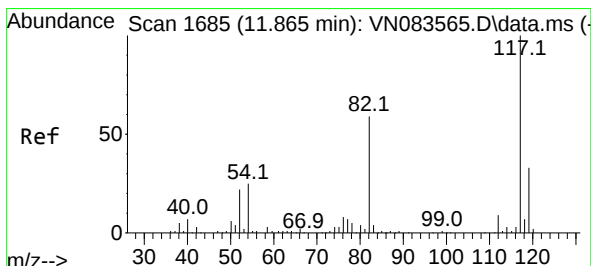
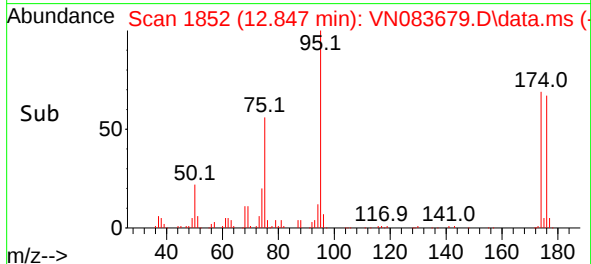
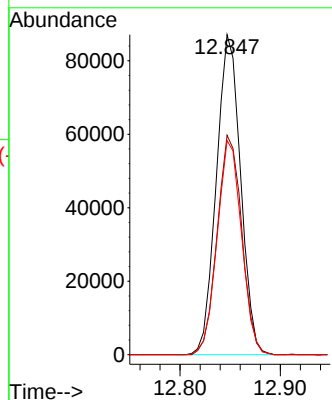
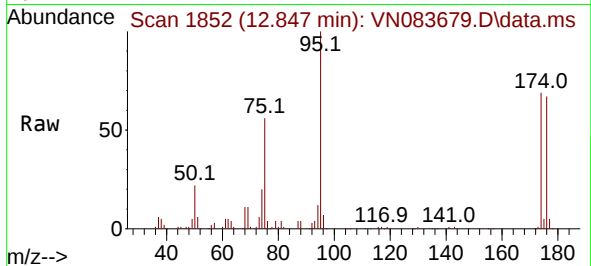




#62
4-Bromofluorobenzene
Concen: 60.290 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

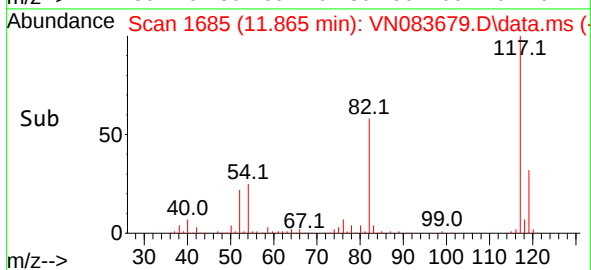
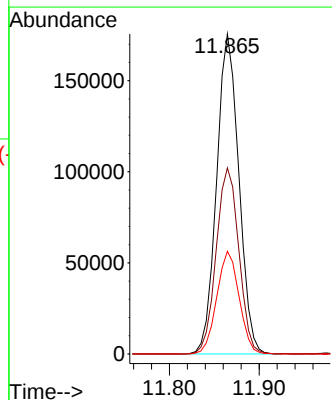
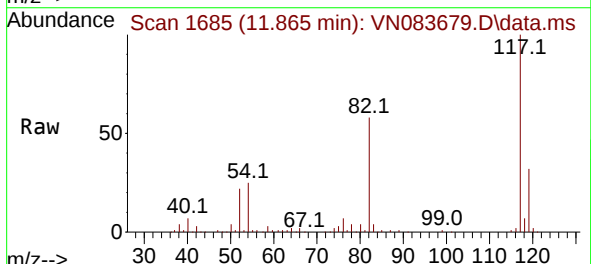
Instrument :
MSVOA_N
ClientSampleId :

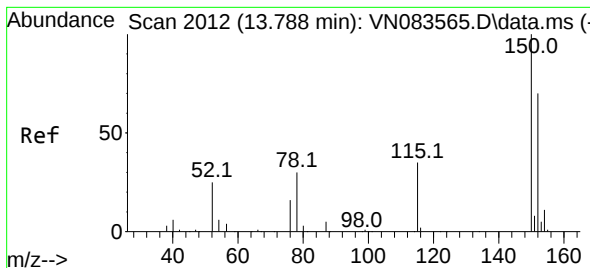
Tgt Ion: 95 Resp: 145944
Ion Ratio Lower Upper
95 100
174 69.8 0.0 139.8
176 67.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

Tgt Ion: 117 Resp: 302072
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN083679.D

Acq: 05 Sep 2024 16:38

Instrument :

MSVOA_N

ClientSampleId :

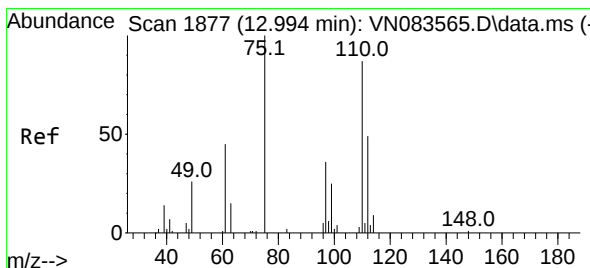
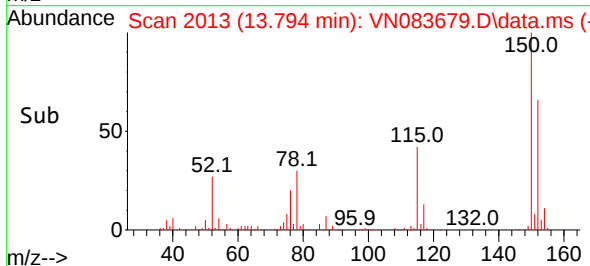
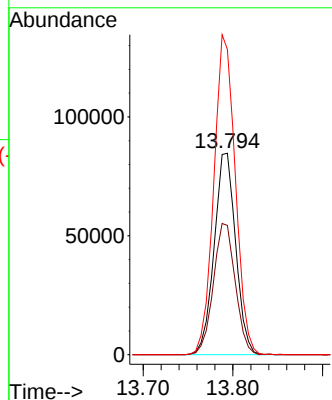
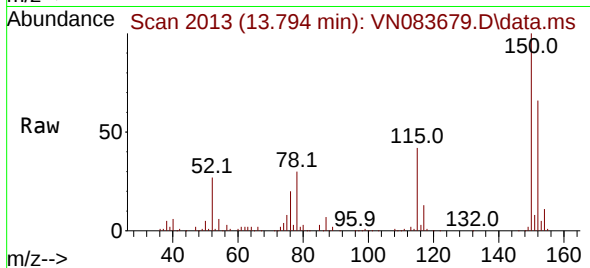
Tgt Ion:152 Resp: 141269

Ion Ratio Lower Upper

152 100

115 66.4 32.2 96.6

150 158.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 28.087 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083679.D

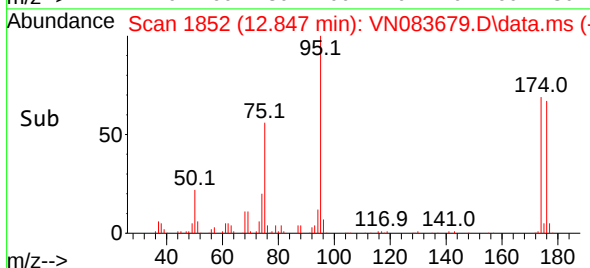
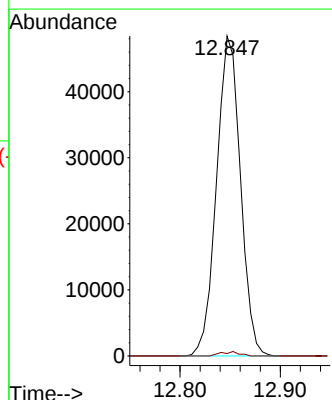
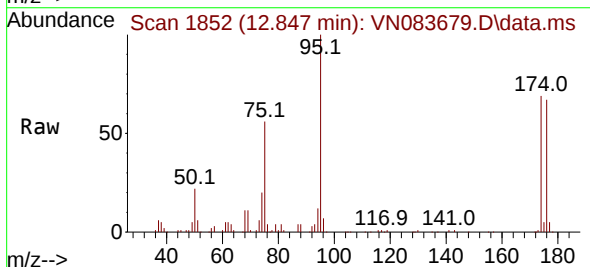
Acq: 05 Sep 2024 16:38

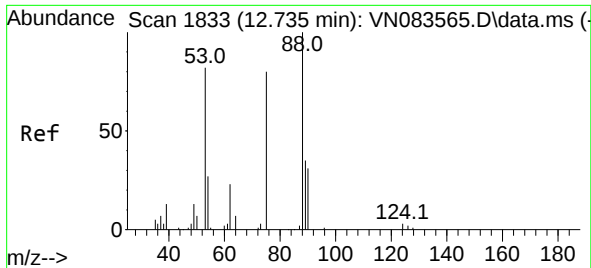
Tgt Ion: 75 Resp: 80111

Ion Ratio Lower Upper

75 100

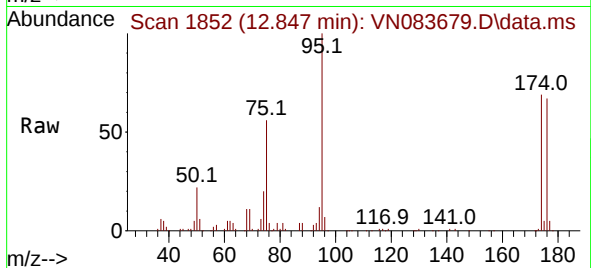
77 1.0 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.247 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083679.D
Acq: 05 Sep 2024 16:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 80111
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

