

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090424\
 Data File : VN083651.D
 Acq On : 04 Sep 2024 15:54
 Operator : JC\MD
 Sample : P3777-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 05 02:27:31 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)

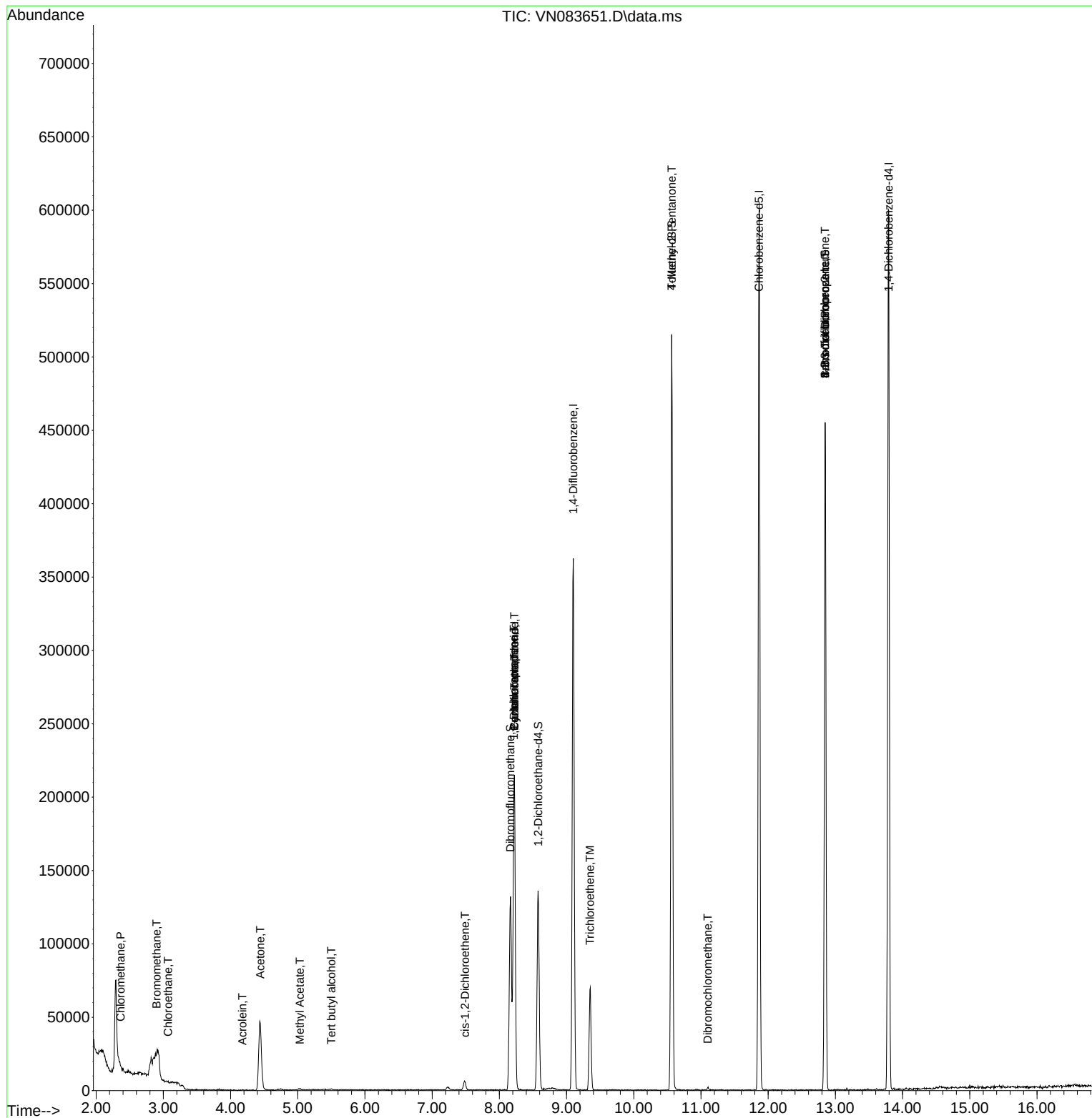
Internal Standards						
1) Pentafluorobenzene	8.224	168	150520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	305085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	324162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	156392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114880	54.610	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 109.220%		
35) Dibromofluoromethane	8.165	113	93135	50.721	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.440%		
50) Toluene-d8	10.565	98	341267	47.724	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.440%		
62) 4-Bromofluorobenzene	12.847	95	158560	59.858	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 119.720%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1225	0.660	ug/l	99
5) Bromomethane	2.900	94	293	0.300	ug/l #	62
6) Chloroethane	3.071	64	551	0.454	ug/l #	45
11) Tert butyl alcohol	5.500	59	75	0.229	ug/l #	71
13) Acrolein	4.177	56	122	0.393	ug/l #	13
16) Acetone	4.442	43	4612	5.498	ug/l	100
18) Methyl Acetate	5.030	43	1715	0.769	ug/l #	67
27) cis-1,2-Dichloroethene	7.488	96	3877	1.892	ug/l	90
31) Cyclohexane	8.224	56	4160	1.278	ug/l #	27
36) 1,1-Dichloropropene	8.218	75	13546	4.836	ug/l #	51
38) Carbon Tetrachloride	8.224	117	17433	5.455	ug/l #	16
43) Isopropyl Acetate	8.694	43	352	Below Cal	#	57
44) Trichloroethene	9.347	130	24044	11.601	ug/l	96
51) 4-Methyl-2-Pentanone	10.565	43	1620	0.625	ug/l #	1
60) Dibromochloromethane	11.100	129	458	0.206	ug/l #	10
71) Bromoform	12.847	173	544	0.311	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	86080	27.262	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86080	64.299	ug/l #	9

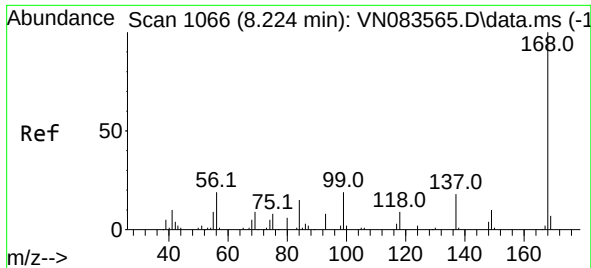
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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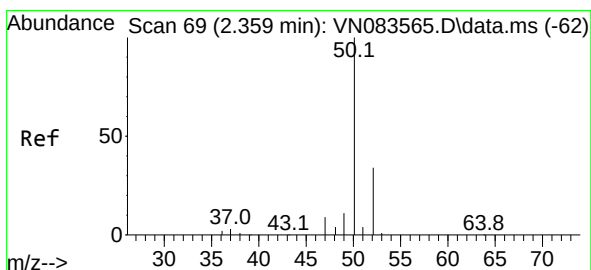
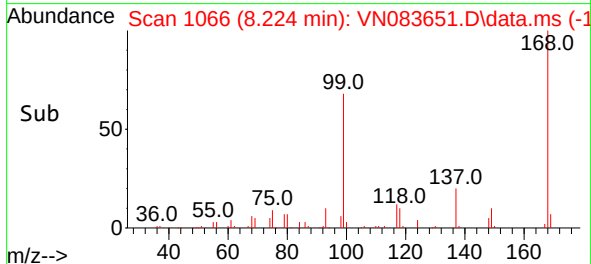
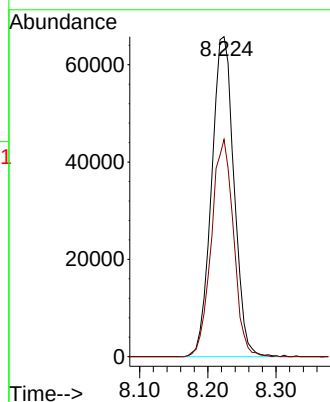
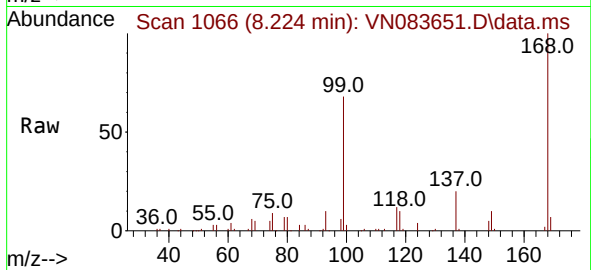




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

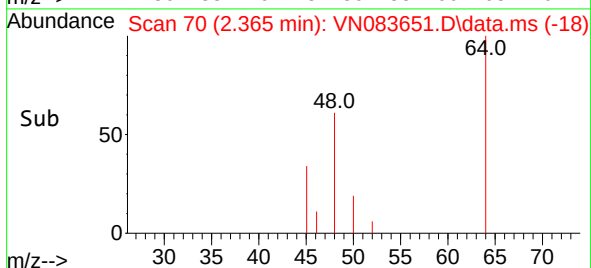
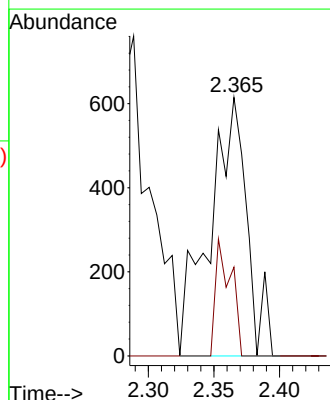
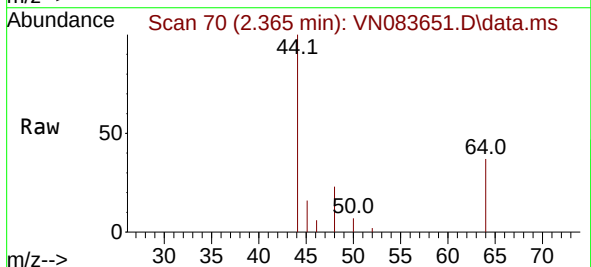
Instrument :
MSVOA_N
ClientSampleId :

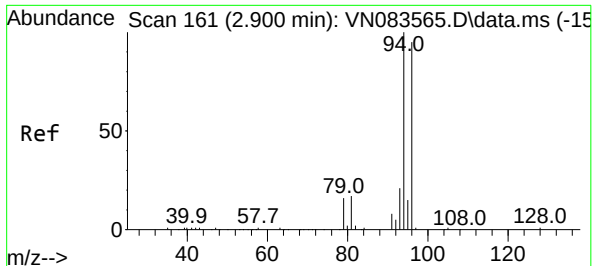
Tgt Ion:168 Resp: 150520
Ion Ratio Lower Upper
168 100
99 67.9 54.2 81.2



#3
Chloromethane
Concen: 0.660 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Tgt Ion: 50 Resp: 1225
Ion Ratio Lower Upper
50 100
52 34.3 27.2 40.8

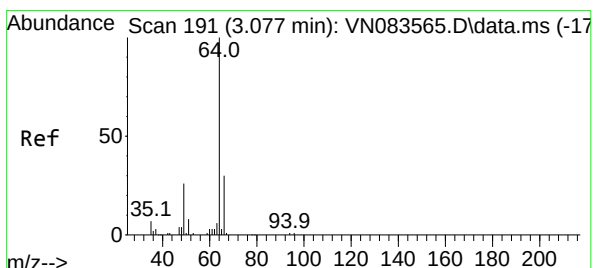
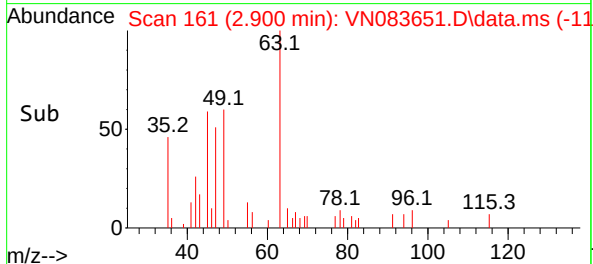
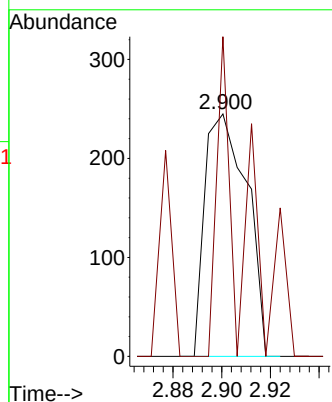
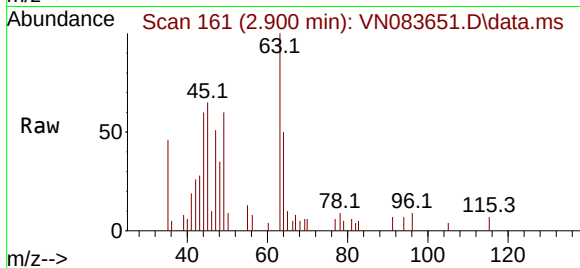




#5
Bromomethane
Concen: 0.300 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

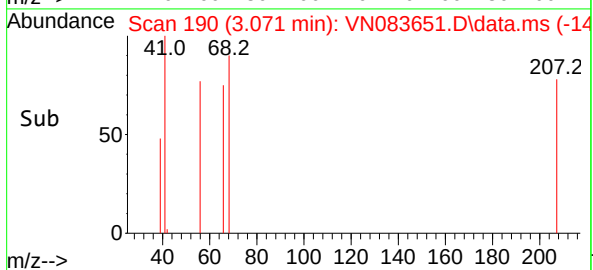
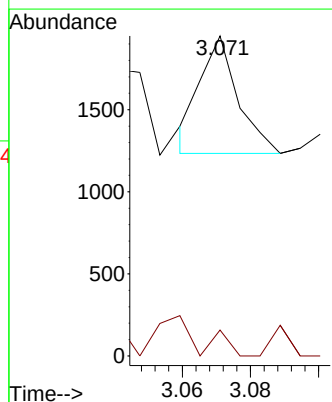
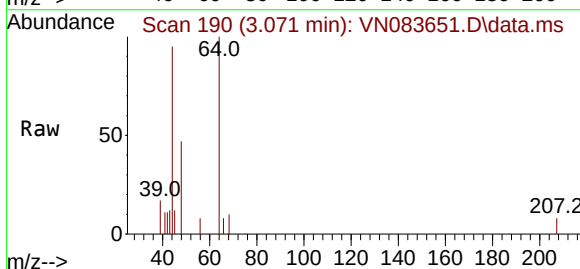
Instrument :
MSVOA_N
ClientSampleId :

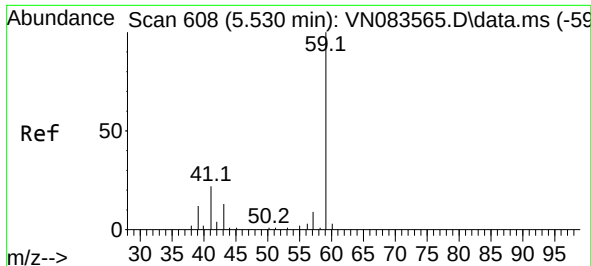
Tgt Ion: 94 Resp: 293
Ion Ratio Lower Upper
94 100
96 131.8 76.0 114.0#



#6
Chloroethane
Concen: 0.454 ug/l
RT: 3.071 min Scan# 190
Delta R.T. -0.006 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Tgt Ion: 64 Resp: 551
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#

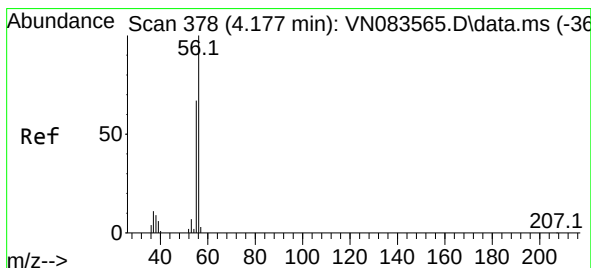
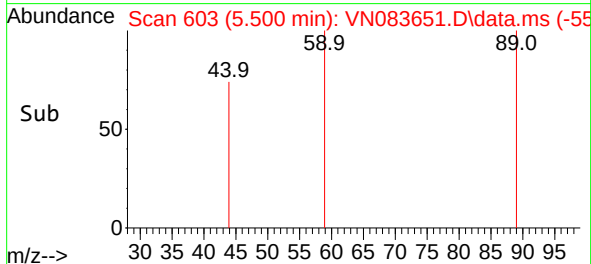
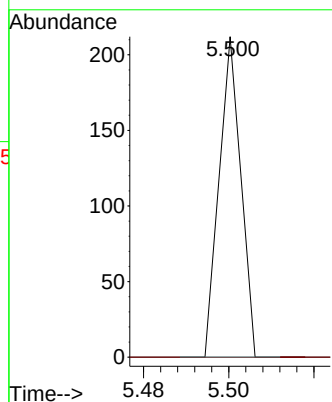
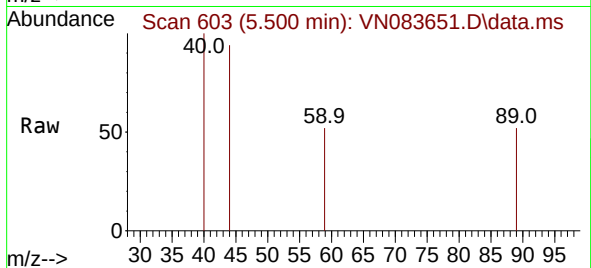




#11
Tert butyl alcohol
Concen: 0.229 ug/l
RT: 5.500 min Scan# 608
Delta R.T. -0.029 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

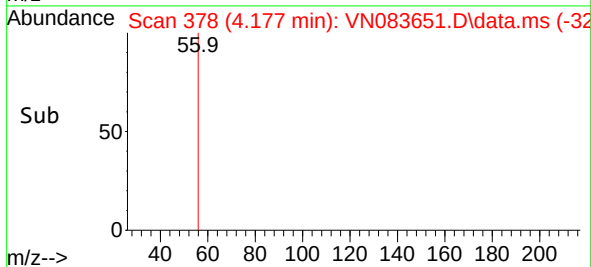
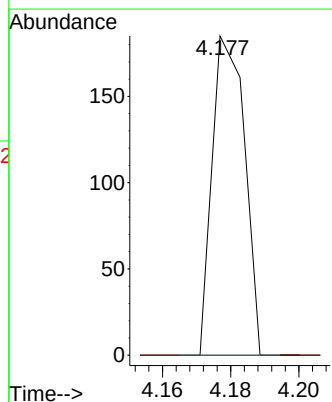
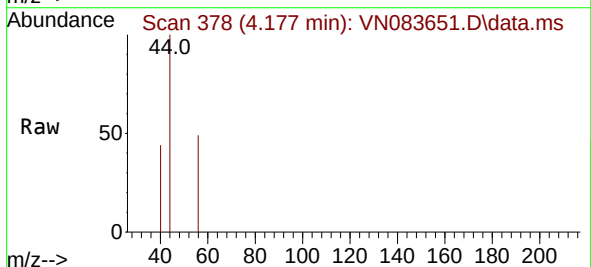
Instrument :
MSVOA_N
ClientSampleId :

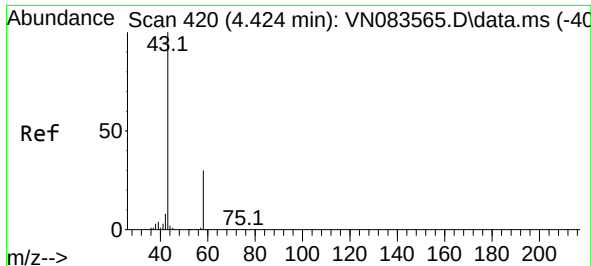
Tgt Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.393 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.000 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#

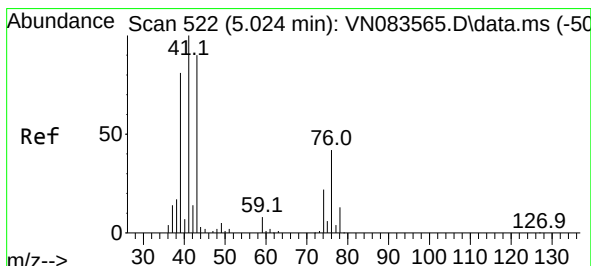
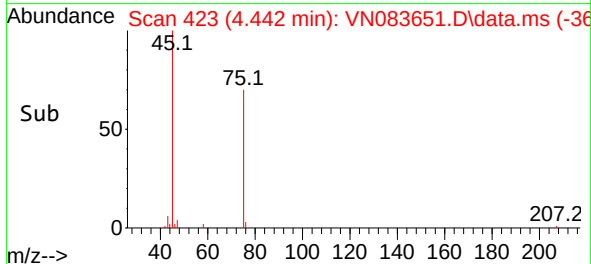
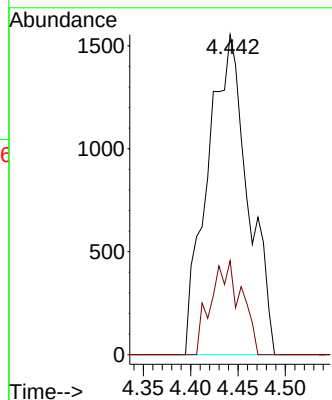
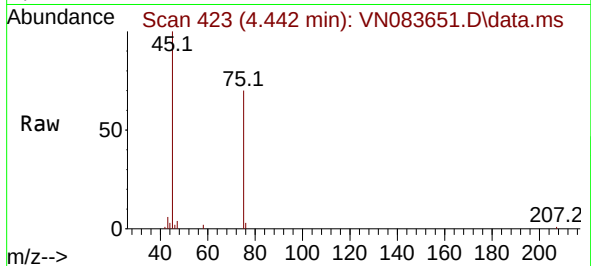




#16
Acetone
Concen: 5.498 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

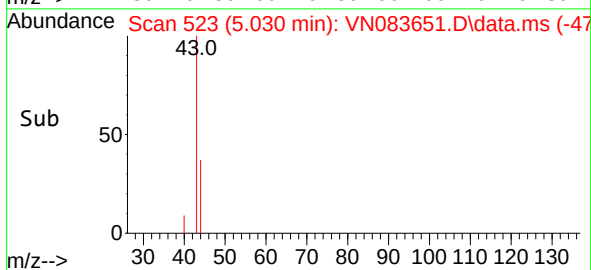
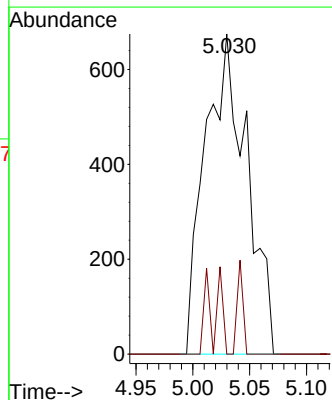
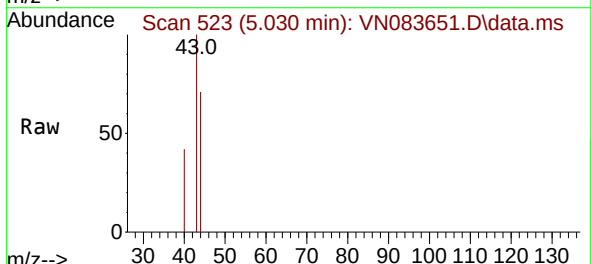
Instrument :
MSVOA_N
ClientSampleId :

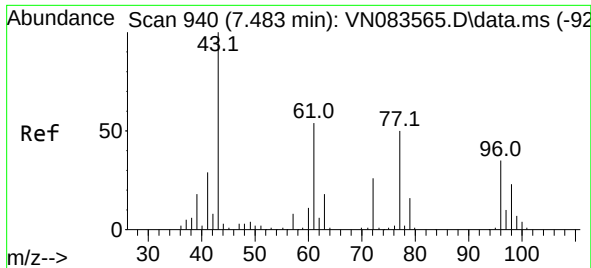
Tgt Ion: 43 Resp: 4612
Ion Ratio Lower Upper
43 100
58 29.3 23.7 35.5



#18
Methyl Acetate
Concen: 0.769 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

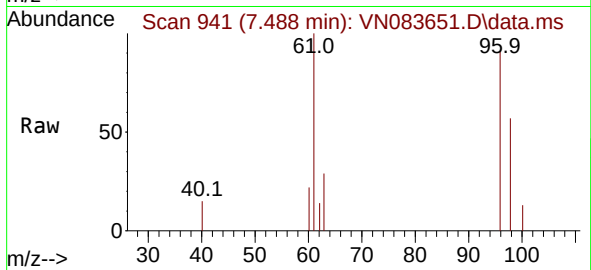
Tgt Ion: 43 Resp: 1715
Ion Ratio Lower Upper
43 100
74 7.5 19.0 28.4#



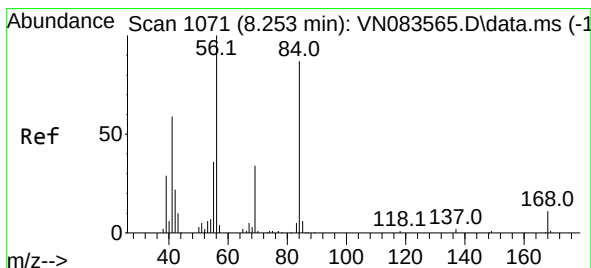
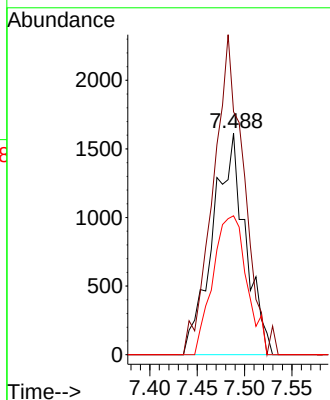
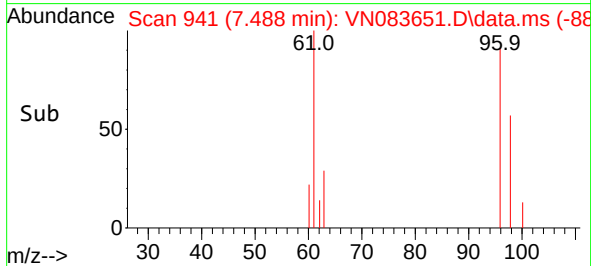


#27
cis-1,2-Dichloroethene
Concen: 1.892 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

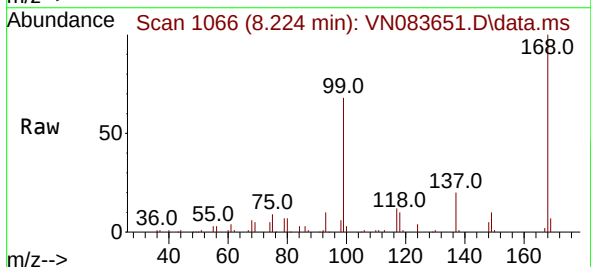
Instrument :
MSVOA_N
ClientSampleId :



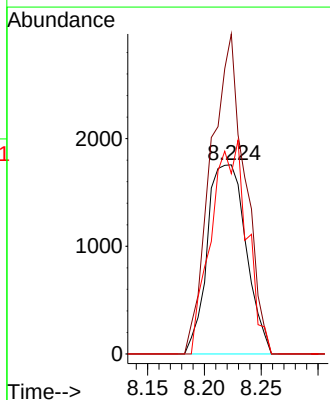
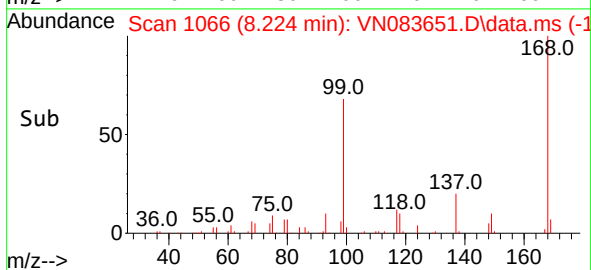
Tgt Ion: 96	Resp: 3877		
Ion	Ratio	Lower	Upper
96	100		
61	135.6	0.0	306.2
98	65.2	0.0	128.6

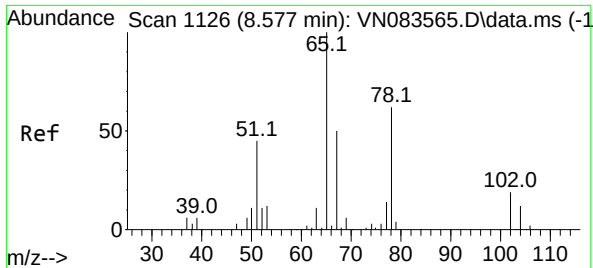


#31
Cyclohexane
Concen: 1.278 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54



Tgt Ion: 56	Resp: 4160
Ion Ratio	Lower Upper
56 100	
69 169.2	26.9 40.3#
84 95.3	69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 54.610 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083651.D

Acq: 04 Sep 2024 15:54

Instrument :

MSVOA_N

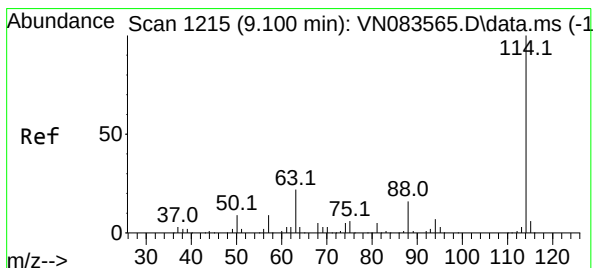
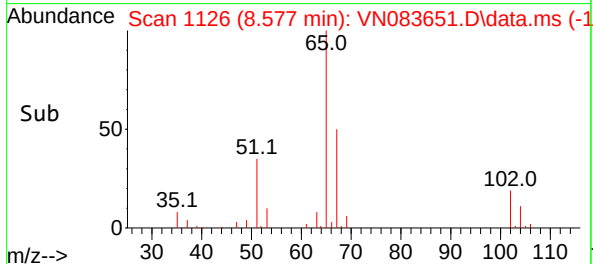
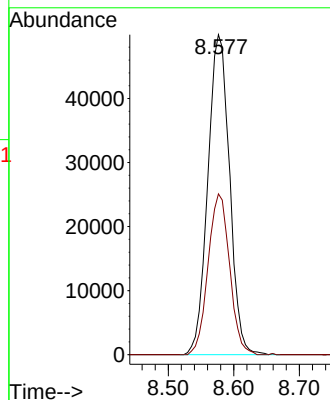
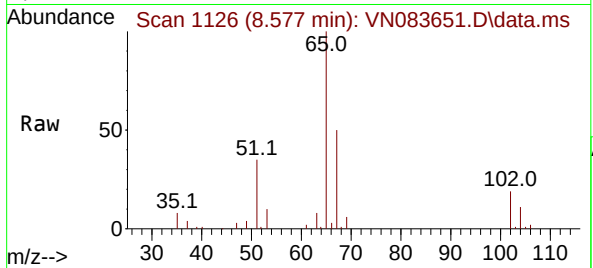
ClientSampleId :

Tgt Ion: 65 Resp: 114880

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: VN083651.D

Acq: 04 Sep 2024 15:54

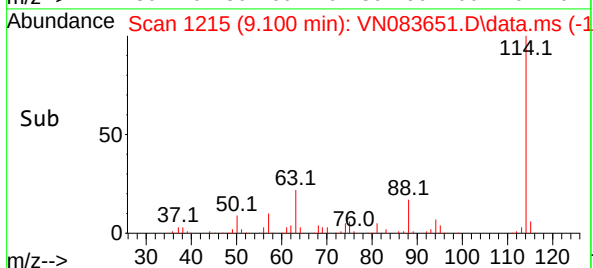
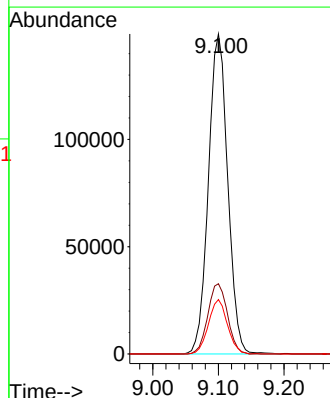
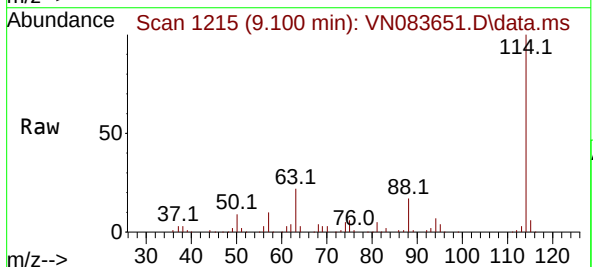
Tgt Ion: 114 Resp: 305085

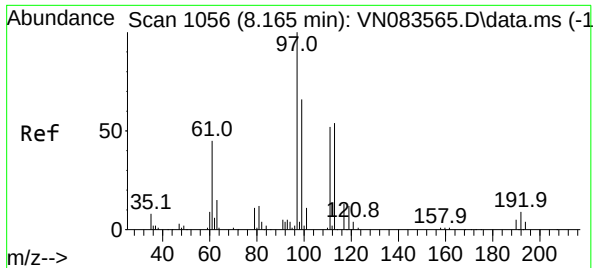
Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.4

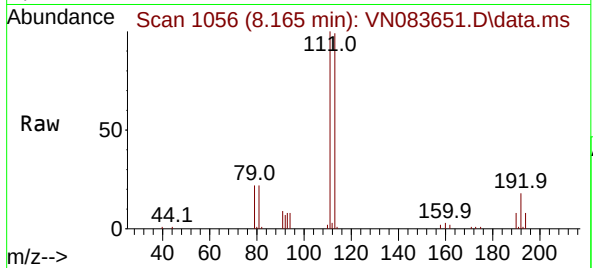
88 17.0 0.0 32.6



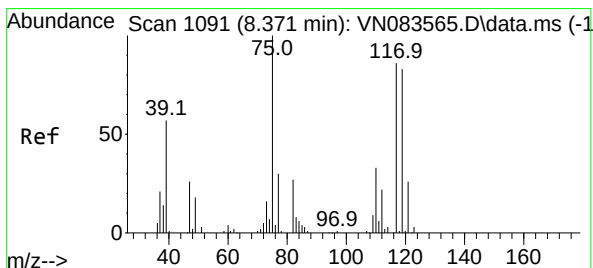
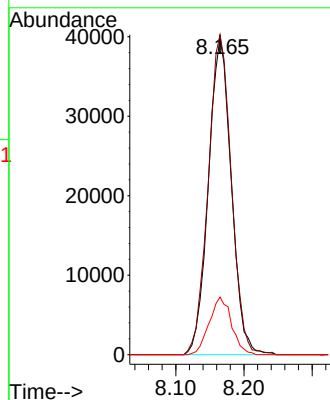
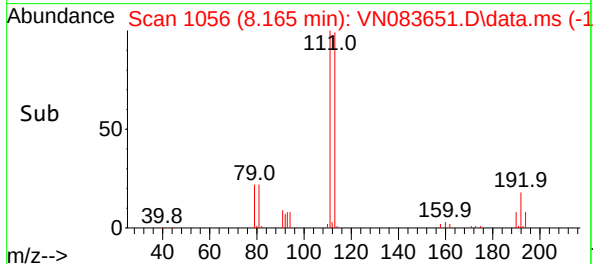


#35
Dibromofluoromethane
Concen: 50.721 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :

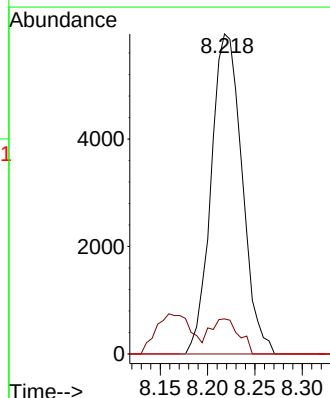
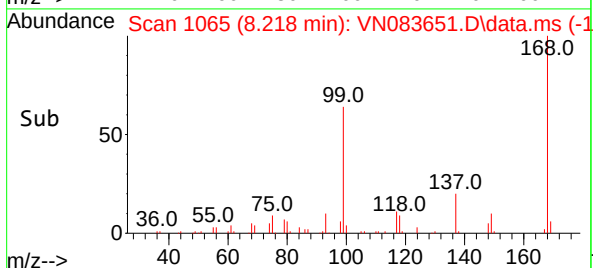
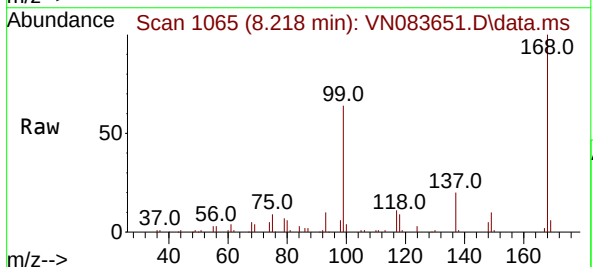


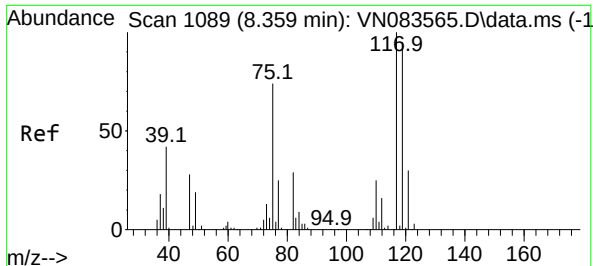
Tgt Ion:113 Resp: 93135
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 17.7 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.836 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

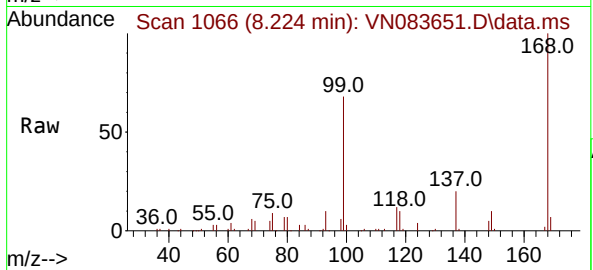
Tgt Ion: 75 Resp: 13546
Ion Ratio Lower Upper
75 100
110 10.1 16.7 50.1#
77 0.0 25.2 37.8#



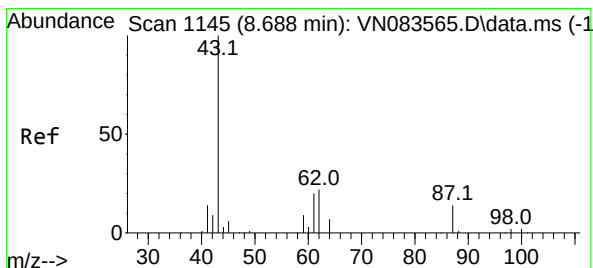
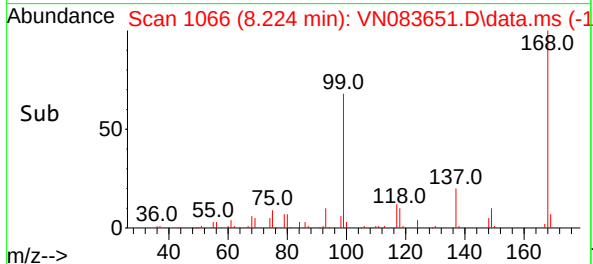
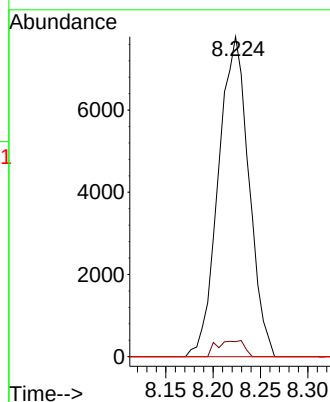


#38
Carbon Tetrachloride
Concen: 5.455 ug/l
RT: 8.224 min Scan# 1089
Delta R.T. -0.135 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :

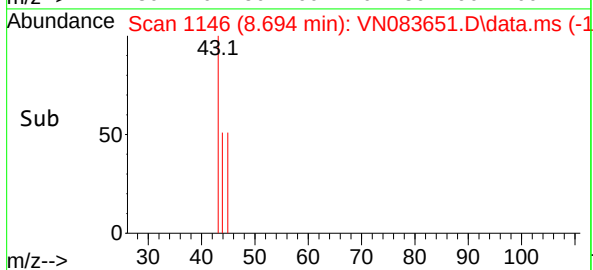
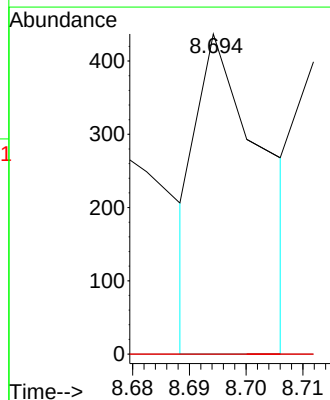
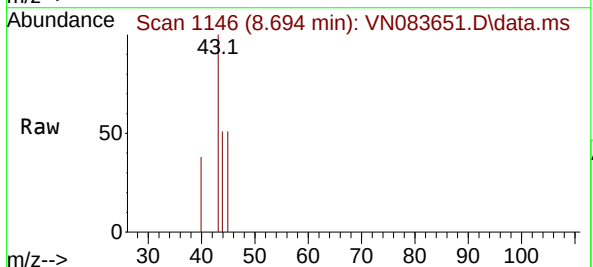


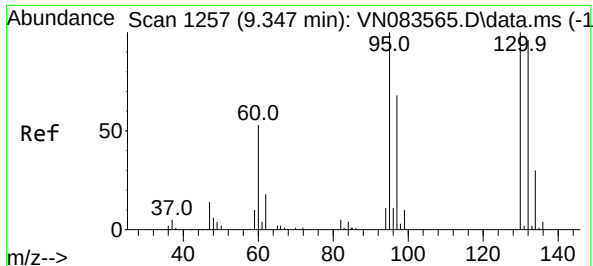
Tgt Ion:117 Resp: 17433
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.1 36.1#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
61 0.0 19.4 29.0#
87 0.0 9.8 14.6#

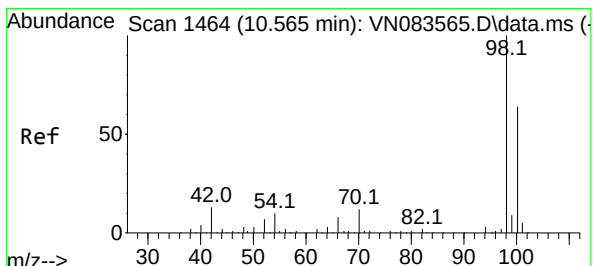
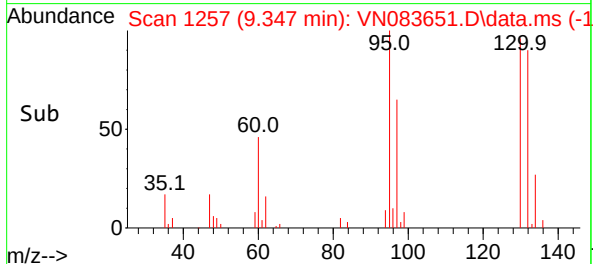
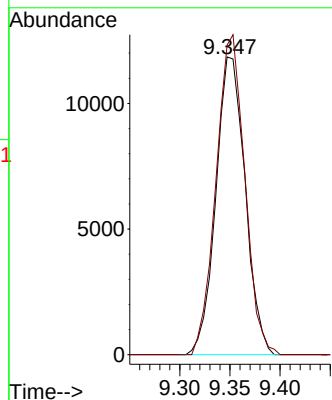
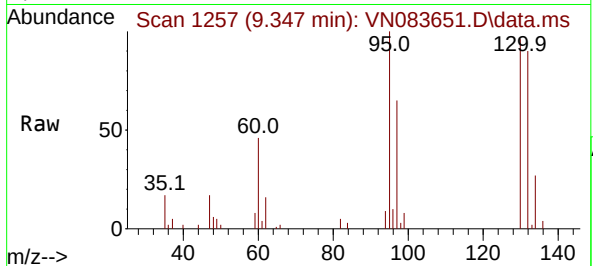




#44
Trichloroethene
Concen: 11.601 ug/l
RT: 9.347 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

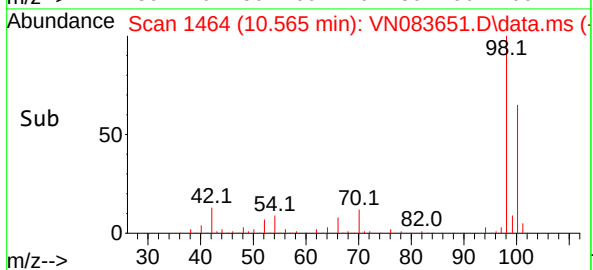
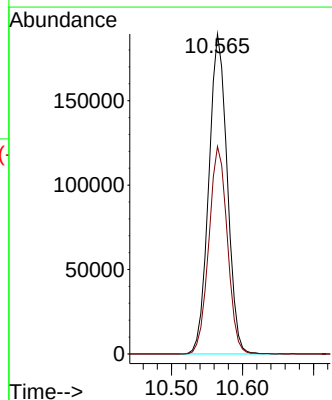
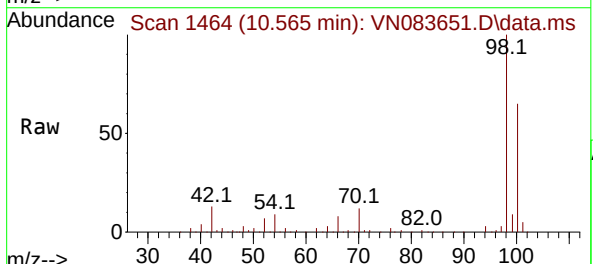
Instrument :
MSVOA_N
ClientSampleId :

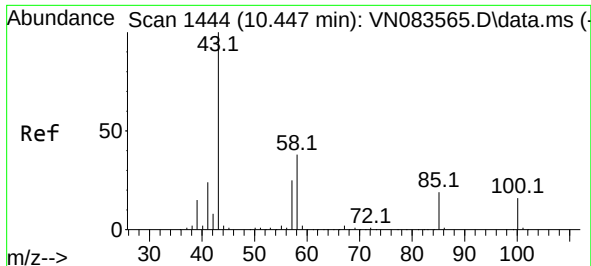
Tgt Ion:130 Resp: 24044
Ion Ratio Lower Upper
130 100
95 103.9 0.0 200.4



#50
Toluene-d8
Concen: 47.724 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Tgt Ion: 98 Resp: 341267
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.625 ug/l

RT: 10.565 min Scan# 1444

Delta R.T. 0.118 min

Lab File: VN083651.D

Acq: 04 Sep 2024 15:54

Instrument :

MSVOA_N

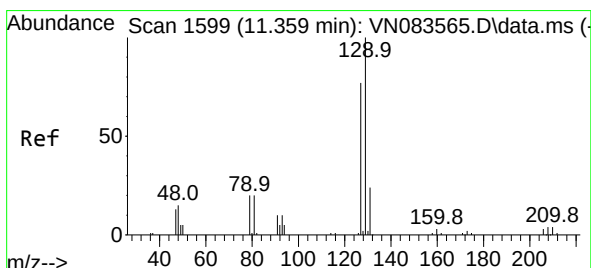
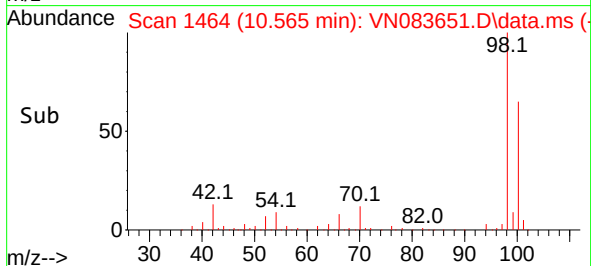
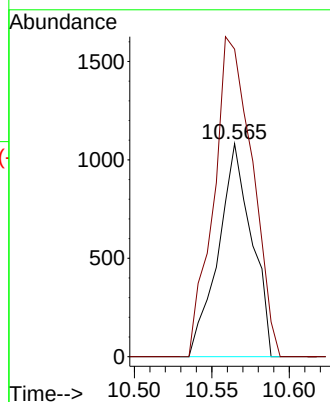
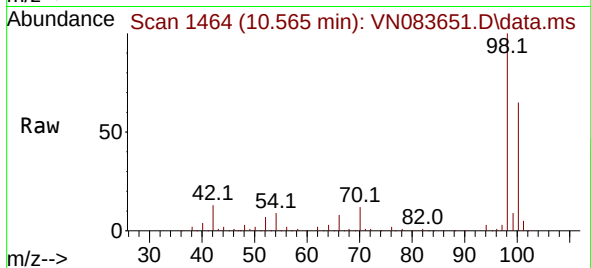
ClientSampleId :

Tgt Ion: 43 Resp: 1620

Ion Ratio Lower Upper

43 100

58 173.8 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.206 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN083651.D

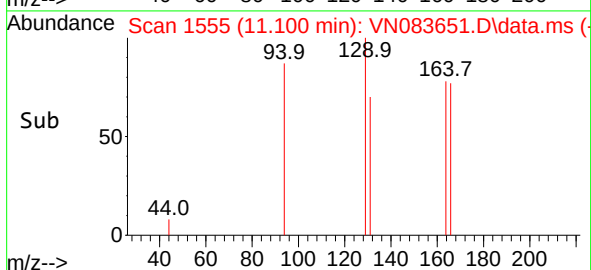
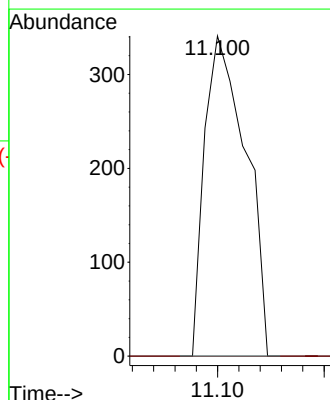
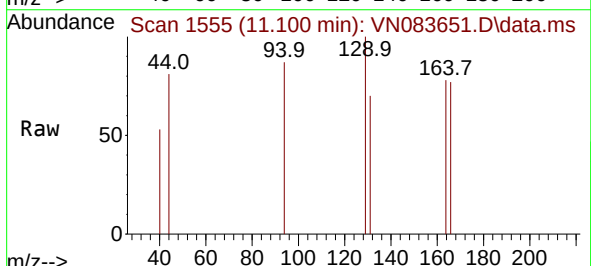
Acq: 04 Sep 2024 15:54

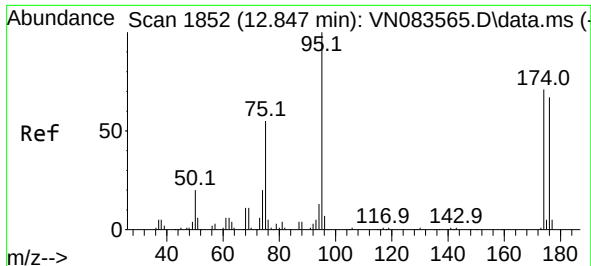
Tgt Ion:129 Resp: 458

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

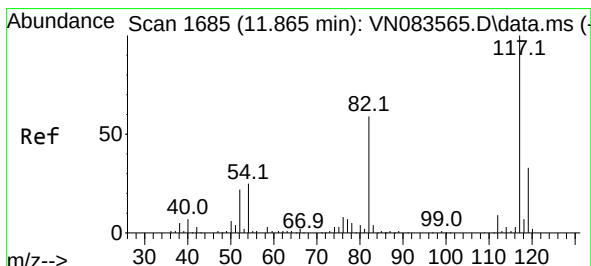
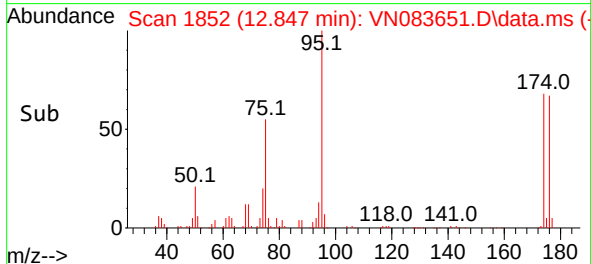
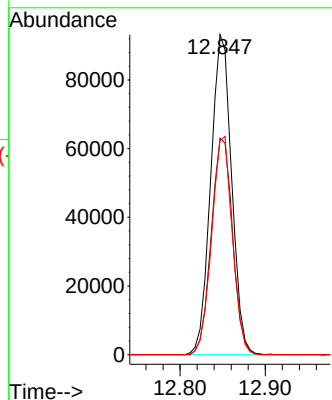
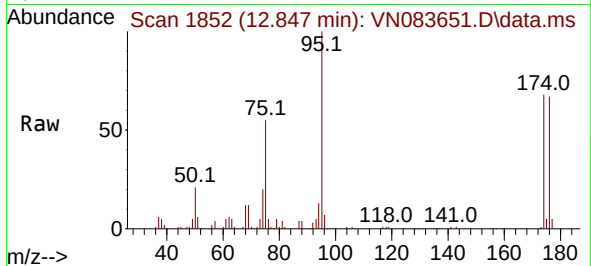




#62
4-Bromofluorobenzene
Concen: 59.858 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

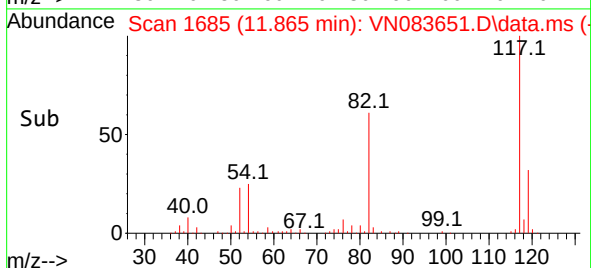
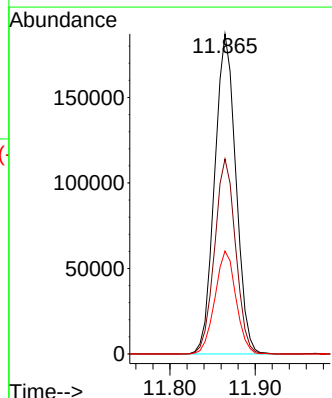
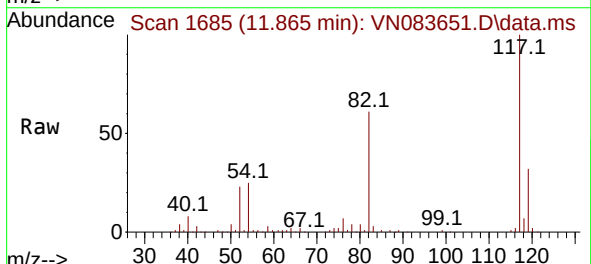
Instrument :
MSVOA_N
ClientSampleId :

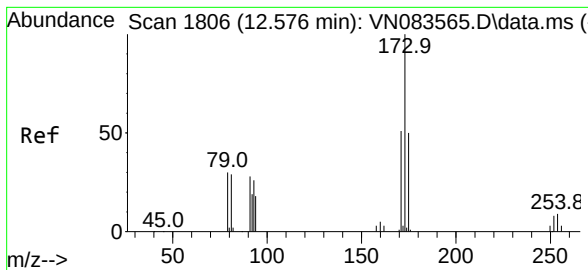
Tgt Ion: 95 Resp: 158560
Ion Ratio Lower Upper
95 100
174 68.9 0.0 139.8
176 67.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Tgt Ion: 117 Resp: 324162
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.0
119 32.2 26.3 39.5





#71

Bromoform

Concen: 0.311 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN083651.D

Acq: 04 Sep 2024 15:54

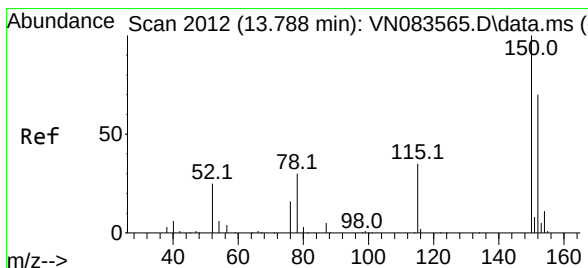
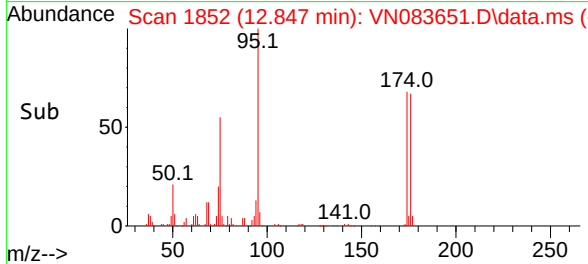
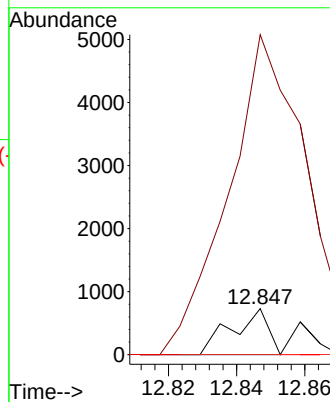
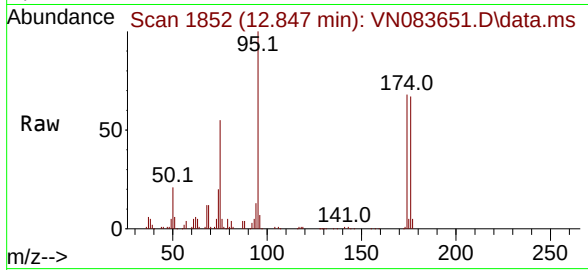
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173 Resp: 544

Ion	Ratio	Lower	Upper
173	100		
175	1052.2	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

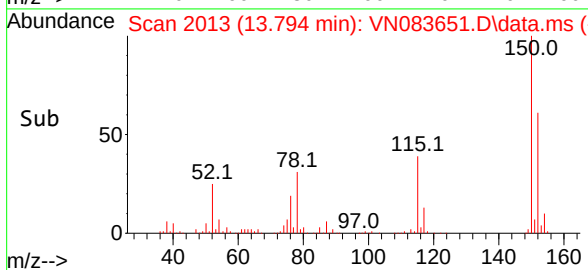
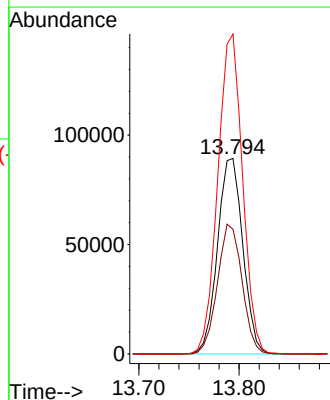
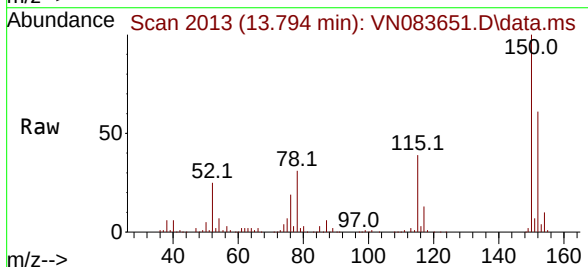
Delta R.T. 0.006 min

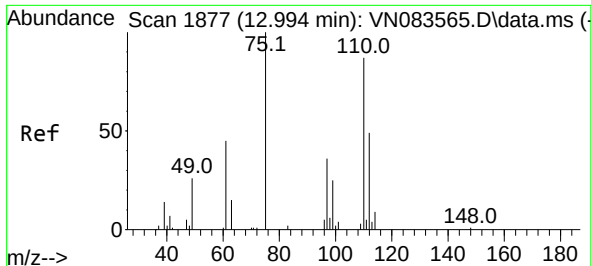
Lab File: VN083651.D

Acq: 04 Sep 2024 15:54

Tgt Ion:152 Resp: 156392

Ion	Ratio	Lower	Upper
152	100		
115	64.6	32.2	96.6
150	160.4	0.0	348.6

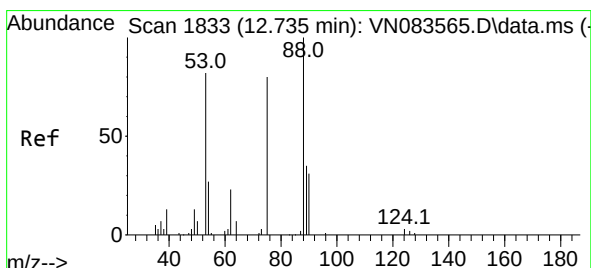
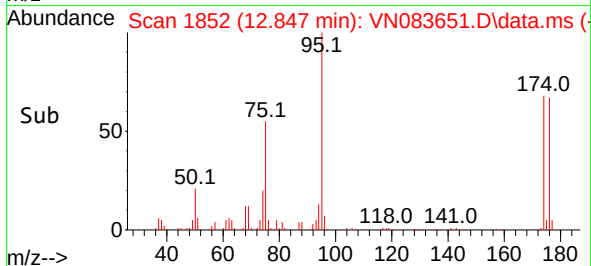
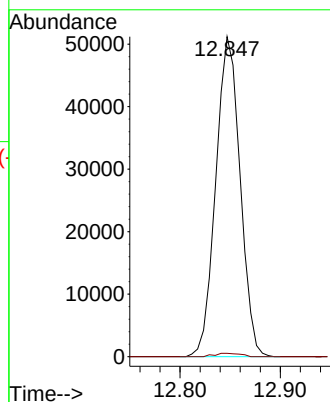
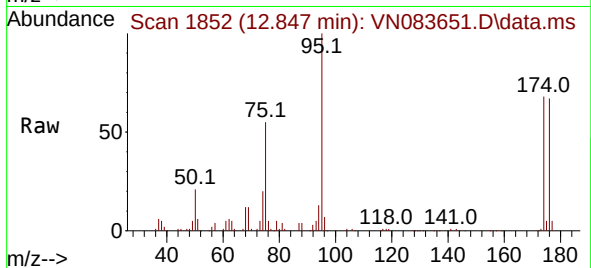




#76
1,2,3-Trichloropropane
Concen: 27.262 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 86080
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.299 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083651.D
Acq: 04 Sep 2024 15:54

Tgt Ion: 75 Resp: 86080
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.1 35.7 53.5#

