

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083731.D
 Acq On : 09 Sep 2024 21:00
 Operator : JC\MD
 Sample : P3841-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 02:17:54 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)

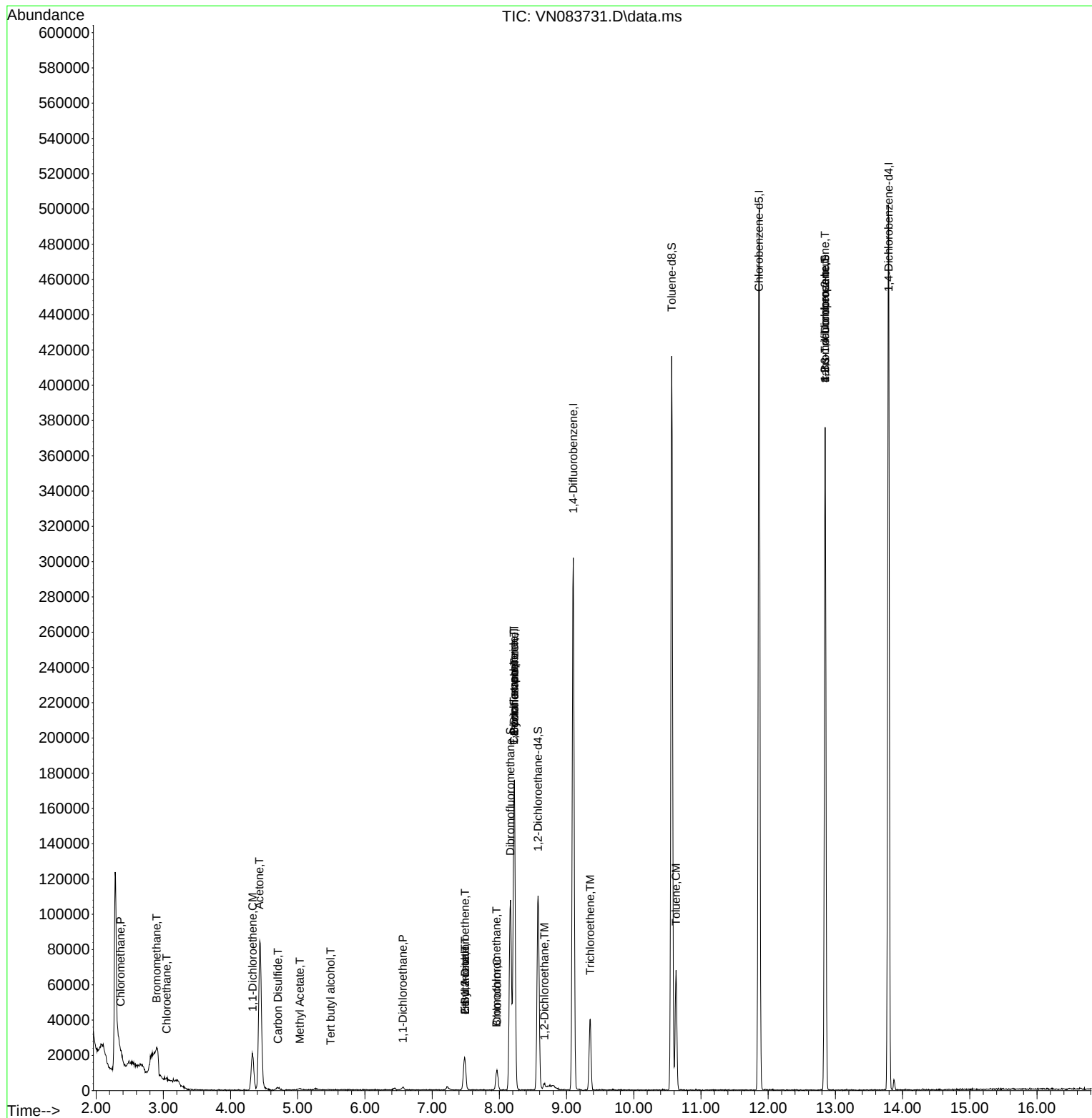
Internal Standards						
1) Pentafluorobenzene	8.224	168	119414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	269240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	127179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	96986	58.113	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.220%
35) Dibromofluoromethane	8.165	113	76899	51.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.620%
50) Toluene-d8	10.565	98	273784	47.379	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.760%
62) 4-Bromofluorobenzene	12.847	95	127983	59.777	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	119.560%
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	1338	0.909	ug/l	97
5) Bromomethane	2.901	94	181	0.234	ug/l	87
6) Chloroethane	3.048	64	819	0.851	ug/l #	83
11) Tert butyl alcohol	5.489	59	57	0.219	ug/l #	71
12) 1,1-Dichloroethene	4.330	96	12311	9.411	ug/l	94
16) Acetone	4.430	43	9582	14.397	ug/l #	79
17) Carbon Disulfide	4.706	76	3485	0.914	ug/l #	75
18) Methyl Acetate	5.030	43	1890	1.068	ug/l #	69
24) 1,1-Dichloroethane	6.565	63	2821	1.076	ug/l #	82
25) 2-Butanone	7.489	43	756	0.834	ug/l #	89
27) cis-1,2-Dichloroethene	7.489	96	11199	6.887	ug/l	87
28) Bromochloromethane	7.959	49	956	0.781	ug/l #	14
30) Chloroform	7.965	83	11031	3.992	ug/l	98
31) Cyclohexane	8.224	56	3250	1.259	ug/l #	4
36) 1,1-Dichloropropene	8.218	75	11687	5.163	ug/l #	51
37) Ethyl Acetate	7.489	43	756	0.336	ug/l #	1
38) Carbon Tetrachloride	8.218	117	14339	5.552	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	2380	0.922	ug/l #	77
43) Isopropyl Acetate	8.677	43	1203	Below Cal	#	57
44) Trichloroethene	9.353	130	13588	8.111	ug/l	99
52) Toluene	10.629	92	29403	6.751	ug/l	100
76) 1,2,3-Trichloropropane	12.847	75	70346	27.396	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70346	64.616	ug/l #	9

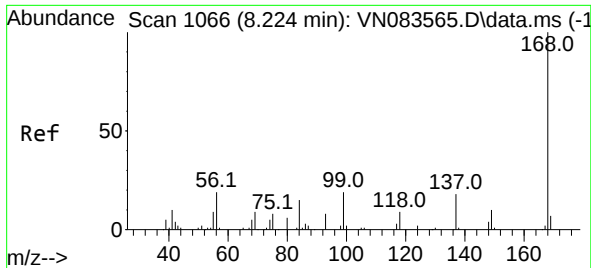
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

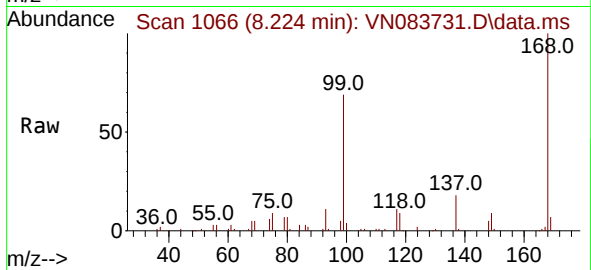
Quant Time: Sep 10 02:17:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
Quant Title : SW846 8260
QLast Update : Sat Aug 31 00:48:10 2024
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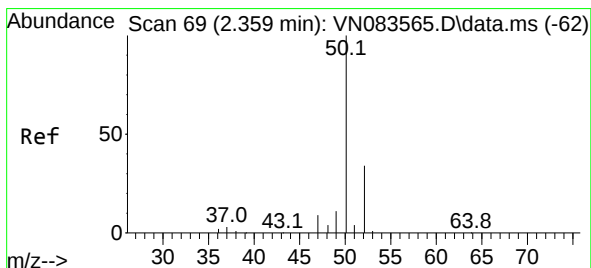
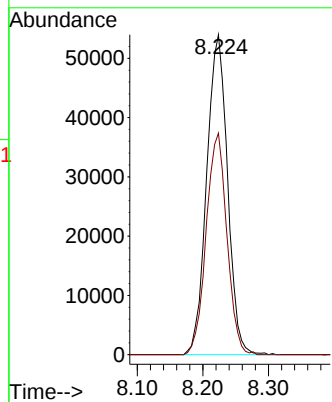
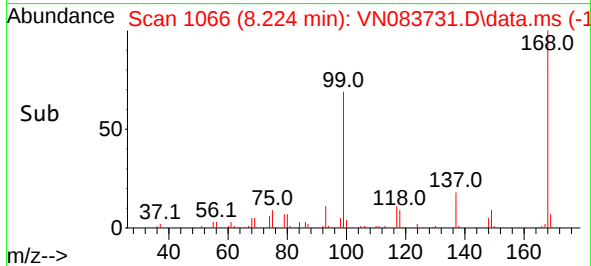


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Instrument :
MSVOA_N
ClientSampleId :

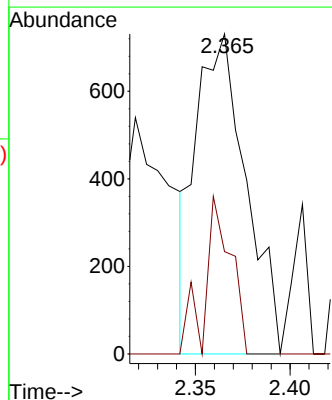
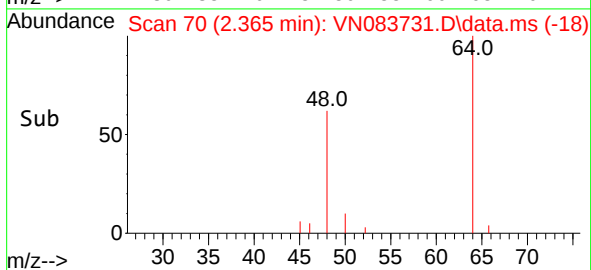
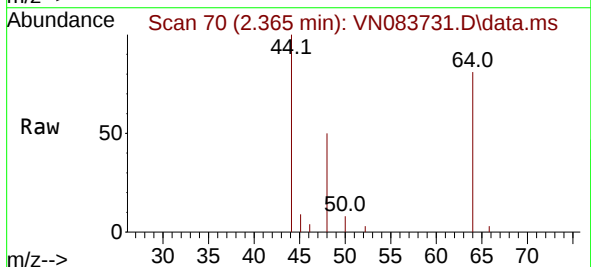


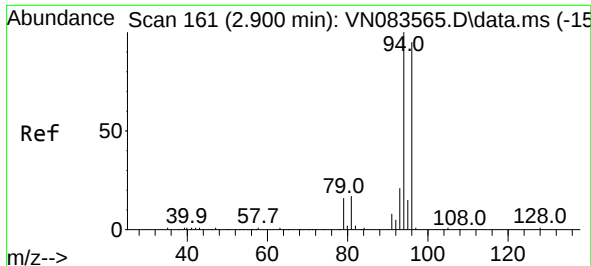
Tgt Ion:168 Resp: 119414
Ion Ratio Lower Upper
168 100
99 69.3 54.2 81.2



#3
Chloromethane
Concen: 0.909 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Tgt Ion: 50 Resp: 1338
Ion Ratio Lower Upper
50 100
52 32.0 27.2 40.8

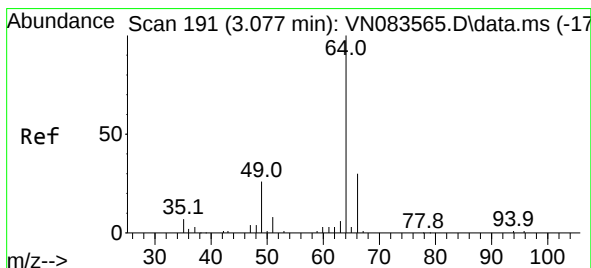
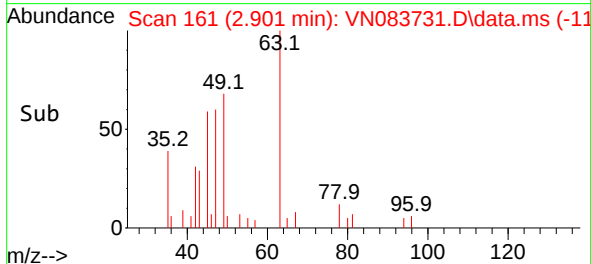
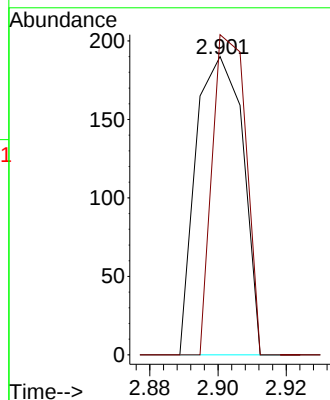
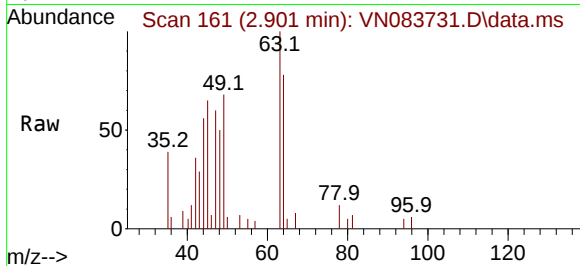




#5
Bromomethane
Concen: 0.234 ug/l
RT: 2.901 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

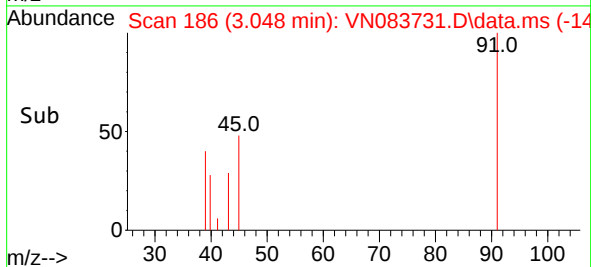
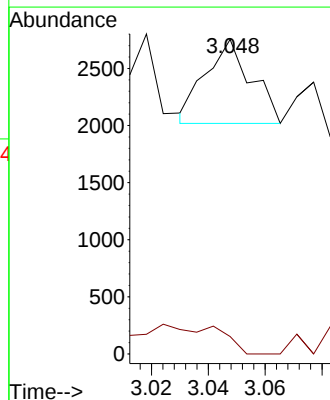
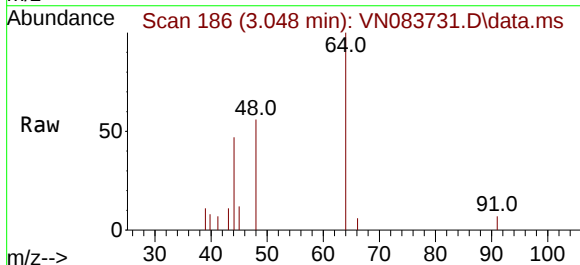
Instrument :
MSVOA_N
ClientSampleId :

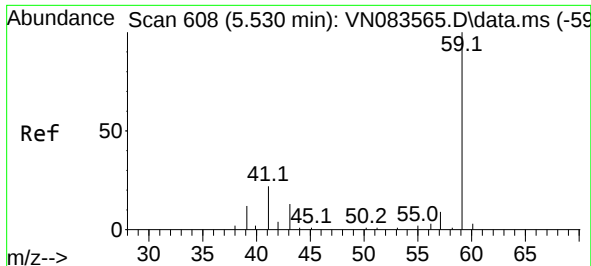
Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 107.4 76.0 114.0



#6
Chloroethane
Concen: 0.851 ug/l
RT: 3.048 min Scan# 186
Delta R.T. -0.029 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

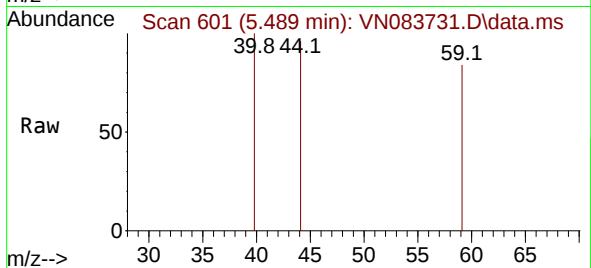
Tgt Ion: 64 Resp: 819
Ion Ratio Lower Upper
64 100
66 20.8 23.9 35.9#



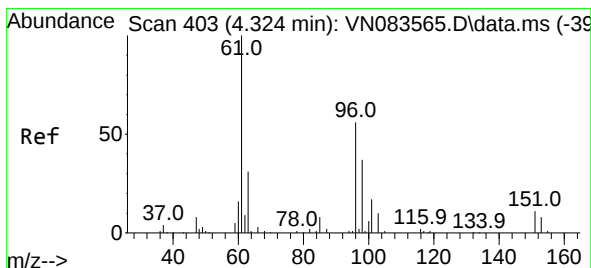
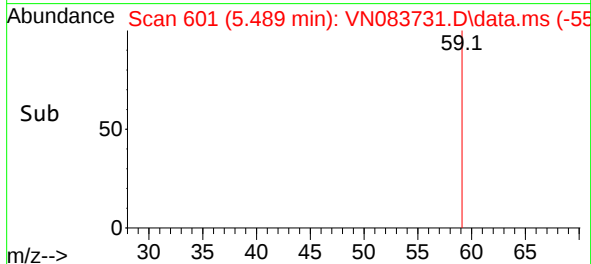
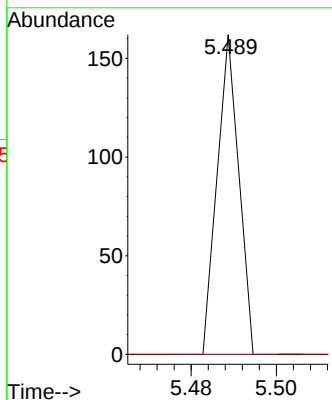


#11
Tert butyl alcohol
Concen: 0.219 ug/l
RT: 5.489 min Scan# 608
Delta R.T. -0.041 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Instrument :
MSVOA_N
ClientSampleId :

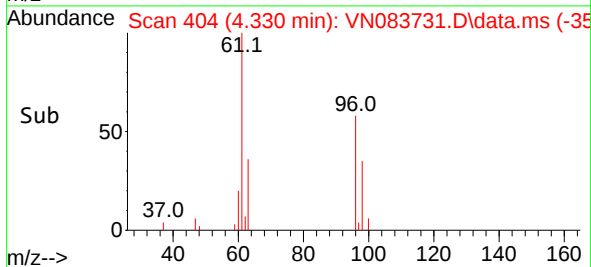
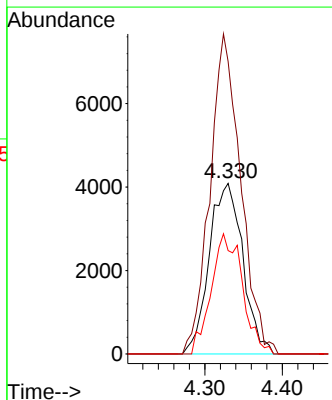
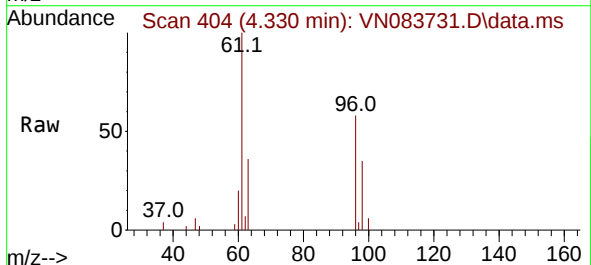


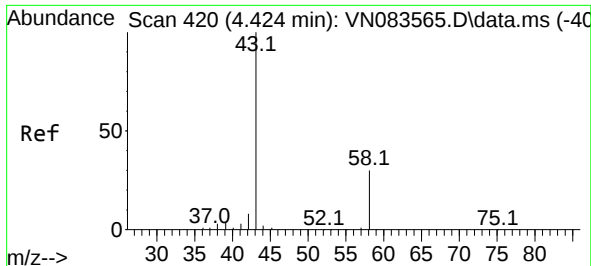
Tgt Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#12
1,1-Dichloroethene
Concen: 9.411 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.006 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Tgt Ion: 96 Resp: 12311
Ion Ratio Lower Upper
96 100
61 171.4 143.4 215.0
98 60.6 52.7 79.1

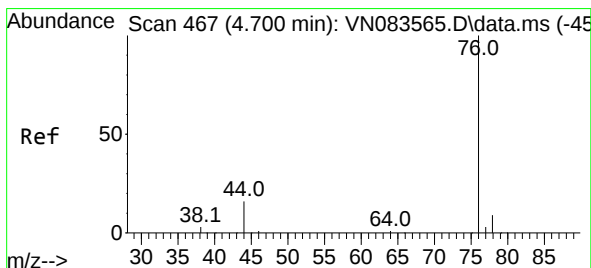
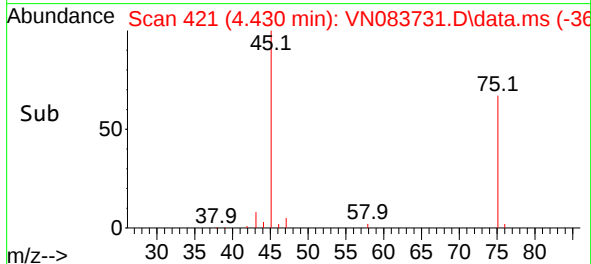
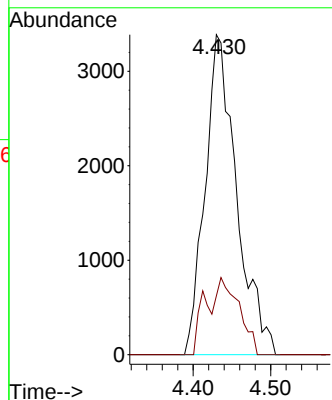
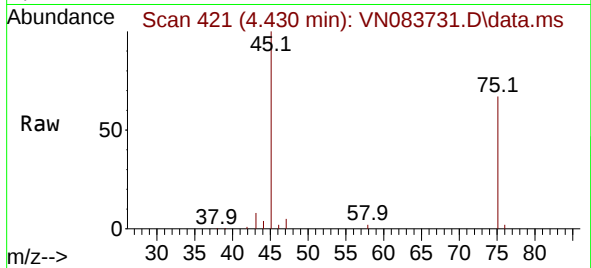




#16
Acetone
Concen: 14.397 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

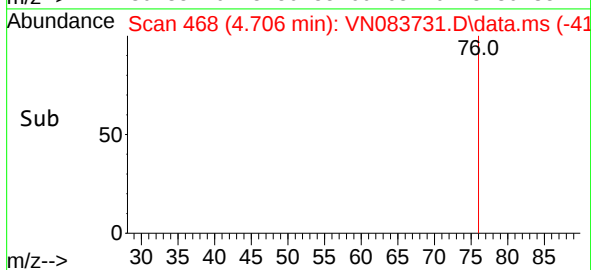
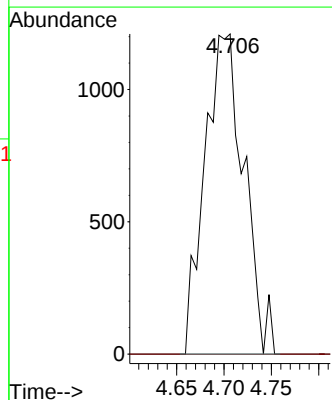
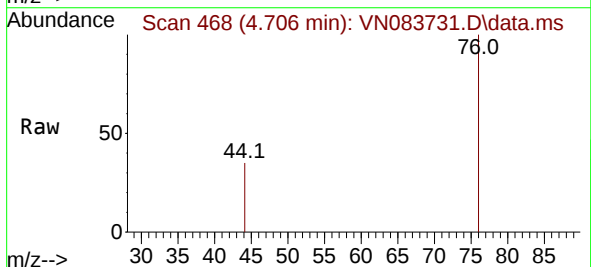
Instrument :
MSVOA_N
ClientSampleId :

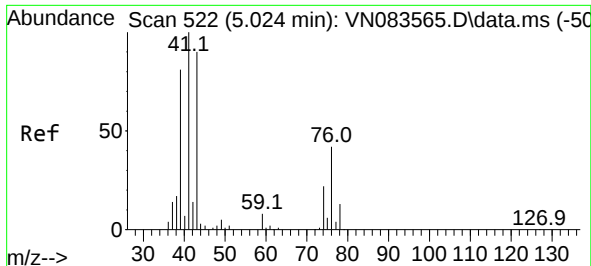
Tgt Ion: 43 Resp: 9582
Ion Ratio Lower Upper
43 100
58 18.3 23.7 35.5#



#17
Carbon Disulfide
Concen: 0.914 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.006 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Tgt Ion: 76 Resp: 3485
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: 1.068 ug/l

RT: 5.030 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN083731.D

Acq: 09 Sep 2024 21:00

Instrument :

MSVOA_N

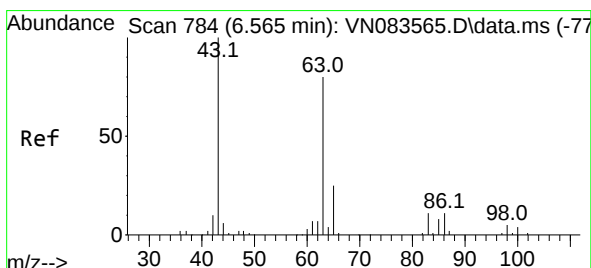
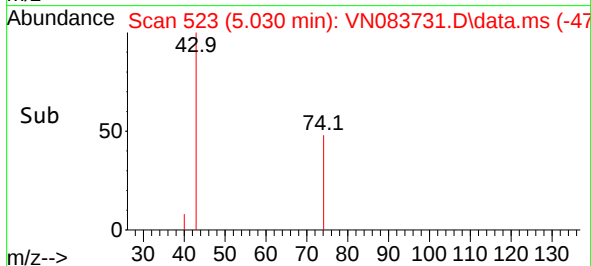
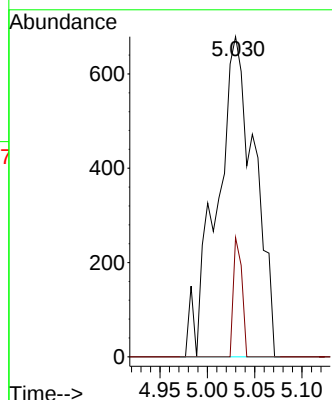
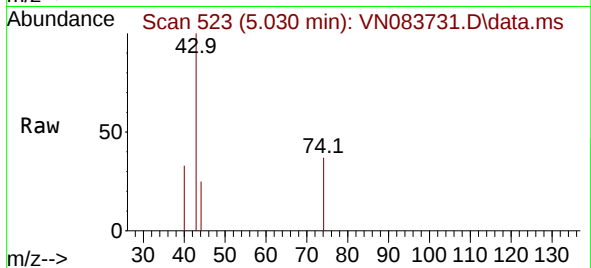
ClientSampleId :

Tgt Ion: 43 Resp: 1890

Ion Ratio Lower Upper

43 100

74 8.4 19.0 28.4#



#24

1,1-Dichloroethane

Concen: 1.076 ug/l

RT: 6.565 min Scan# 784

Delta R.T. 0.000 min

Lab File: VN083731.D

Acq: 09 Sep 2024 21:00

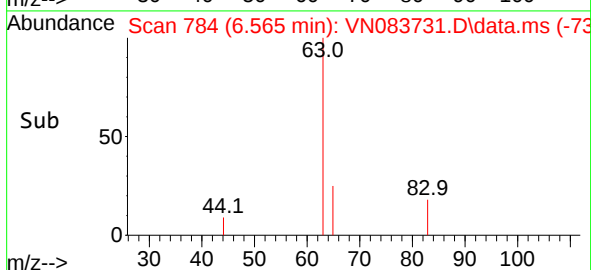
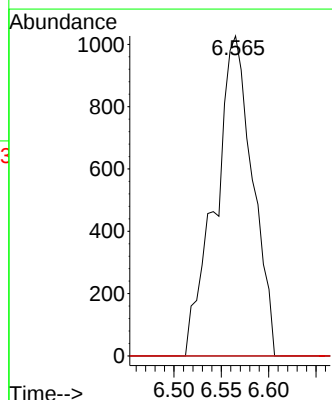
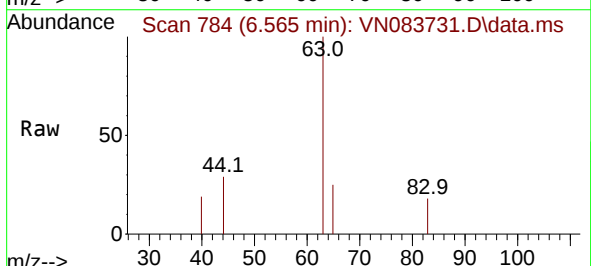
Tgt Ion: 63 Resp: 2821

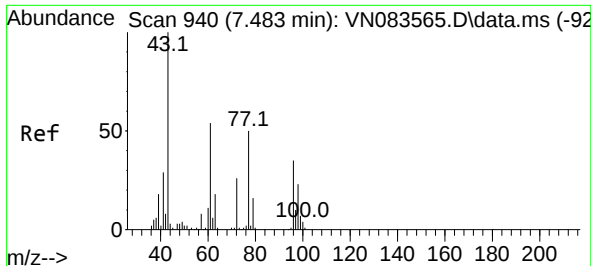
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.5 7.5#

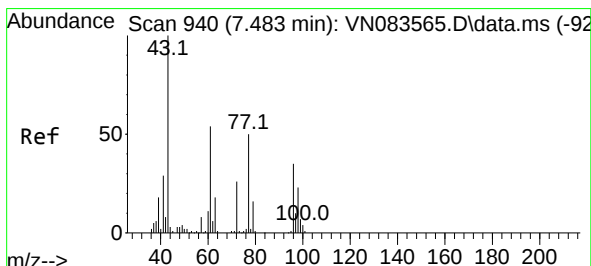
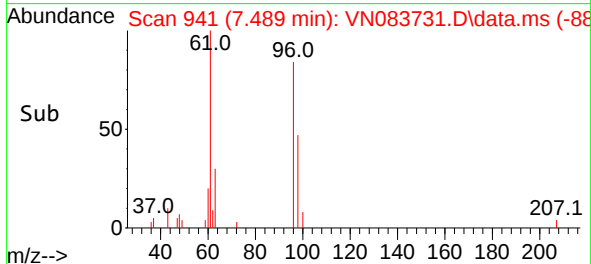
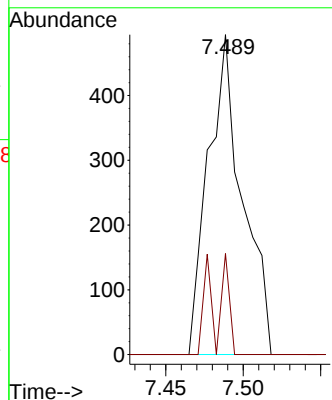
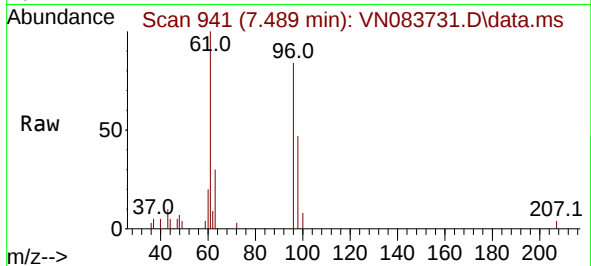




#25
2-Butanone
Concen: 0.834 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

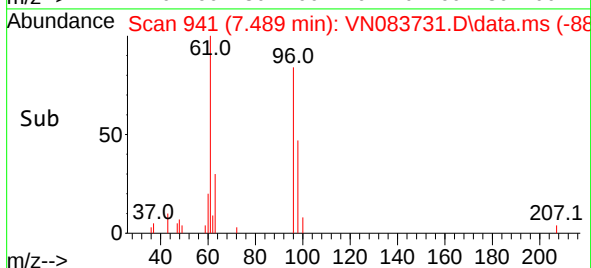
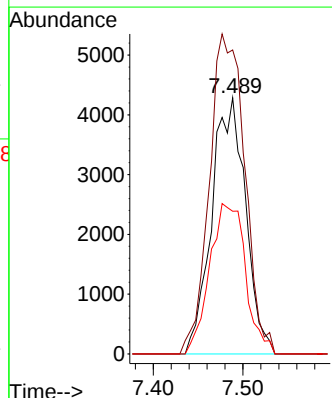
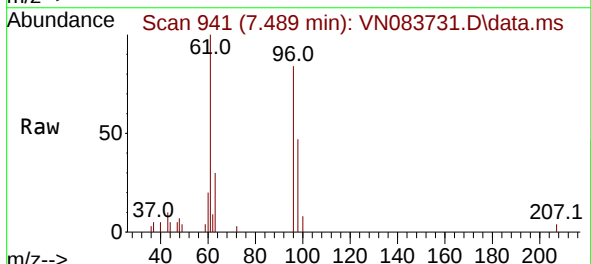
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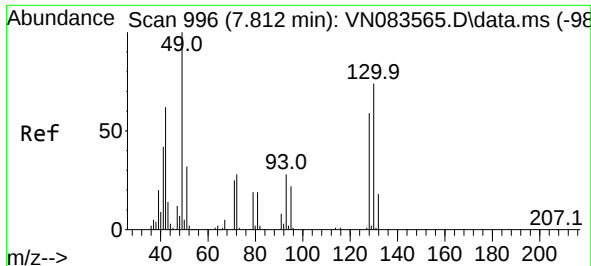
Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
72 31.6 20.8 31.2#



#27
cis-1,2-Dichloroethene
Concen: 6.887 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Tgt Ion: 96 Resp: 11199
Ion Ratio Lower Upper
96 100
61 130.8 0.0 306.2
98 62.2 0.0 128.6

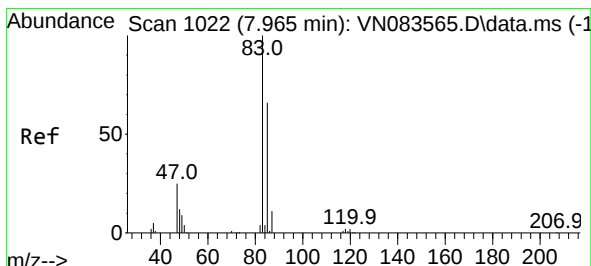
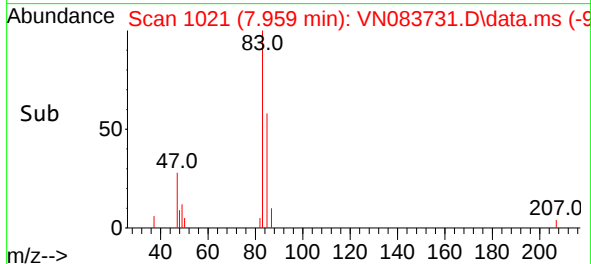
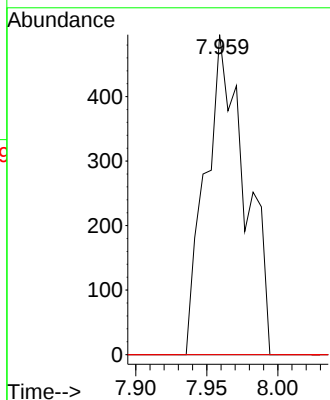
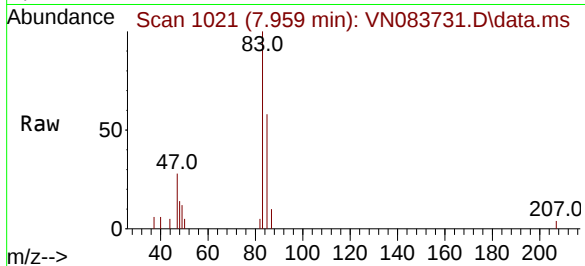




#28
Bromochloromethane
Concen: 0.781 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.147 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

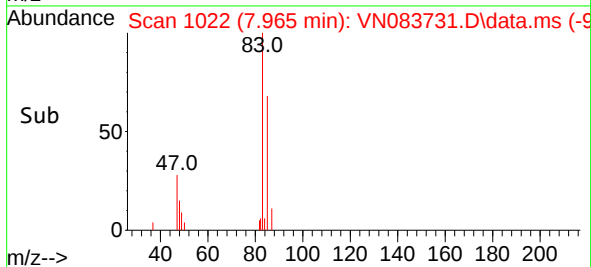
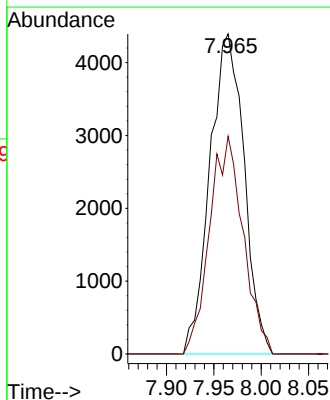
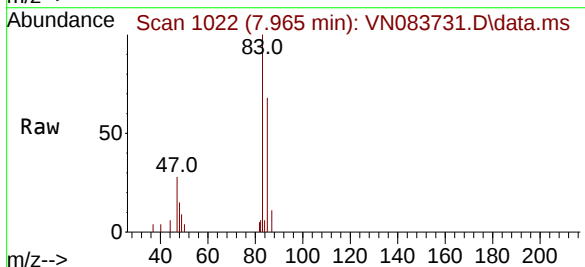
Instrument :
MSVOA_N
ClientSampleId :

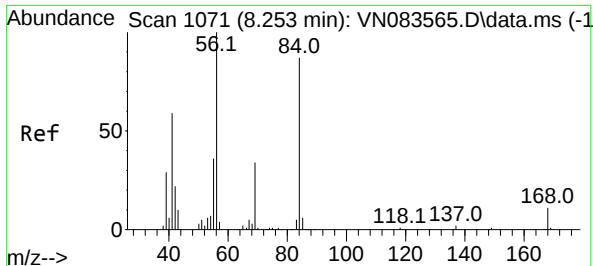
Tgt Ion: 49 Resp: 956
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.4
130 0.0 60.2 90.2#



#30
Chloroform
Concen: 3.992 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

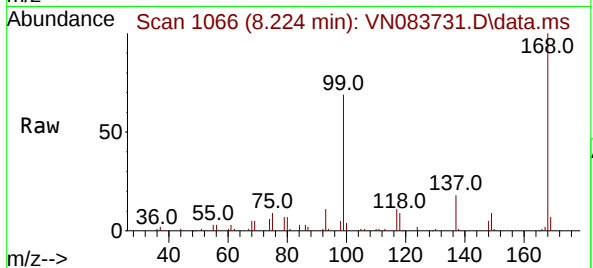
Tgt Ion: 83 Resp: 11031
Ion Ratio Lower Upper
83 100
85 68.0 52.8 79.2



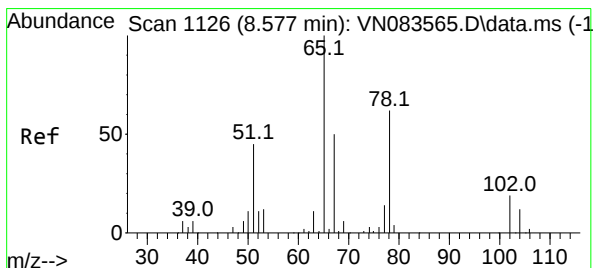
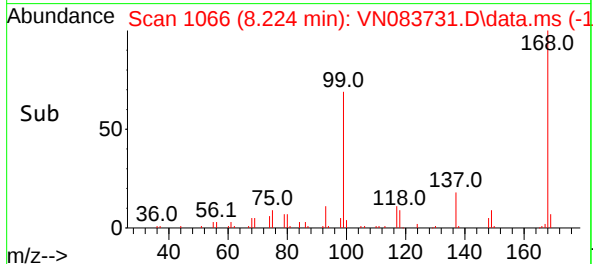
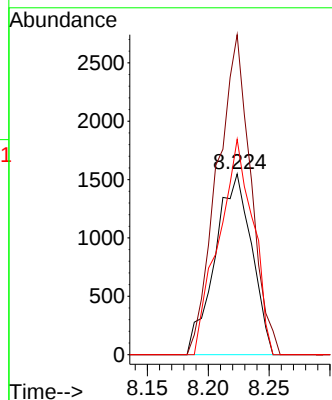


#31
Cyclohexane
Concen: 1.259 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Instrument :
MSVOA_N
ClientSampleId :

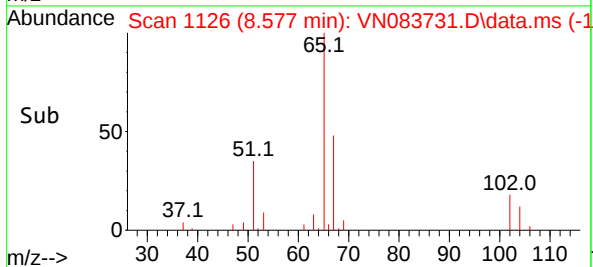
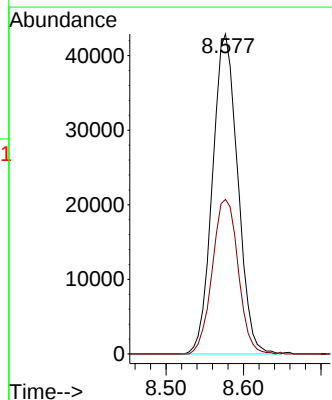
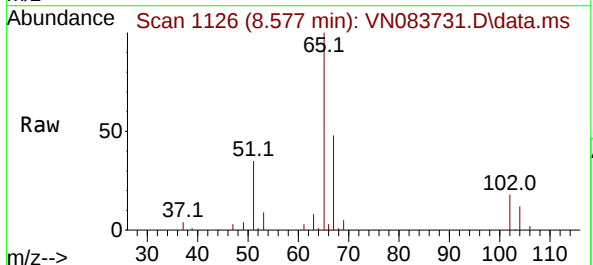


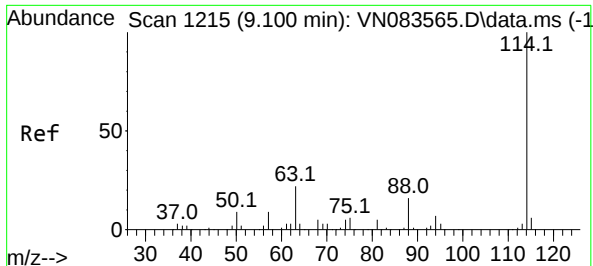
Tgt Ion: 56 Resp: 3250
Ion Ratio Lower Upper
56 100
69 177.0 26.9 40.3#
84 119.1 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 58.113 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Tgt Ion: 65 Resp: 96986
Ion Ratio Lower Upper
65 100
67 49.5 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN083731.D

Acq: 09 Sep 2024 21:00

Instrument :

MSVOA_N

ClientSampleId :

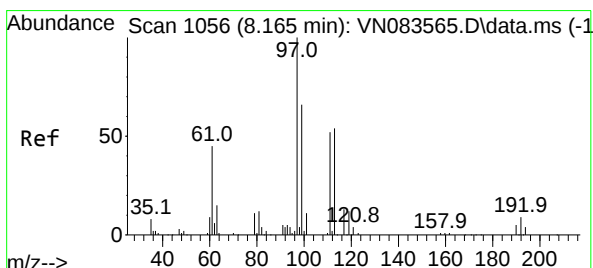
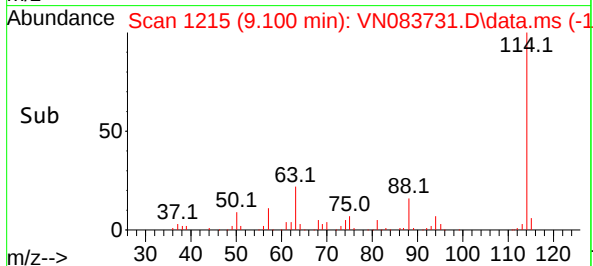
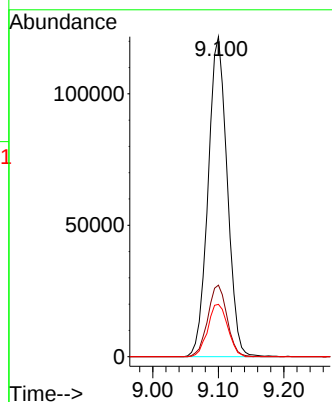
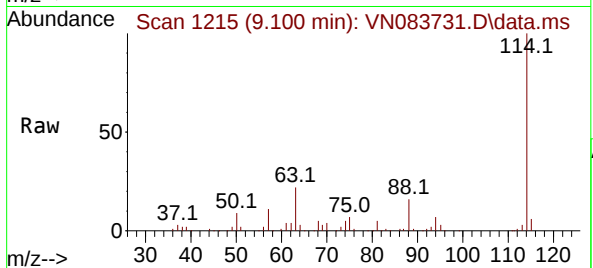
Tgt Ion:114 Resp: 246587

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.4

88 16.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.813 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083731.D

Acq: 09 Sep 2024 21:00

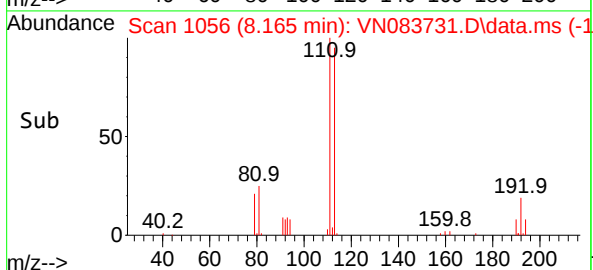
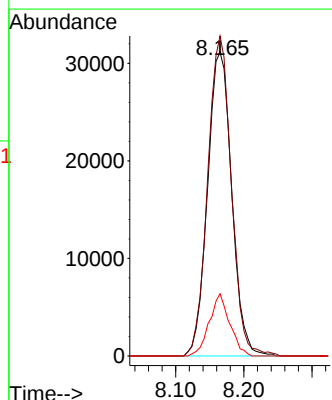
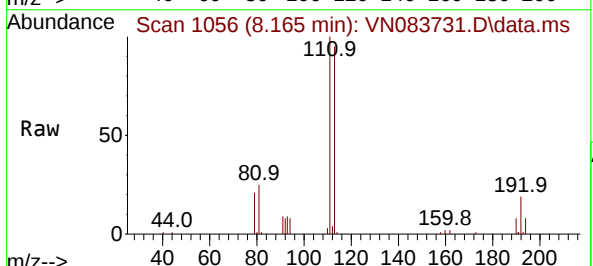
Tgt Ion:113 Resp: 76899

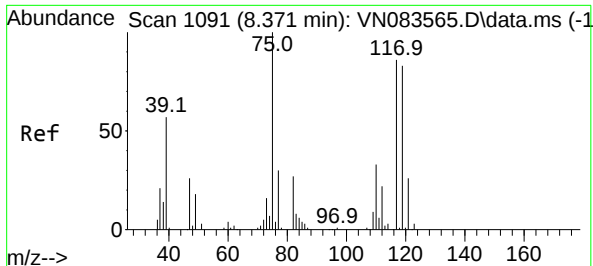
Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 17.3 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.163 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

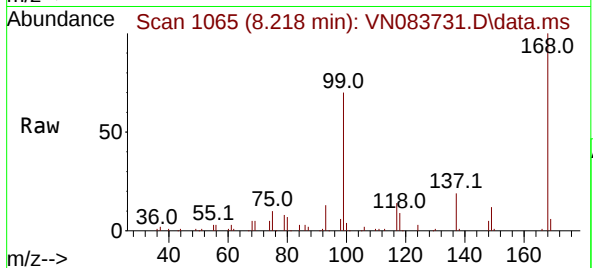
Lab File: VN083731.D

Acq: 09 Sep 2024 21:00

Instrument :

MSVOA_N

ClientSampleId :



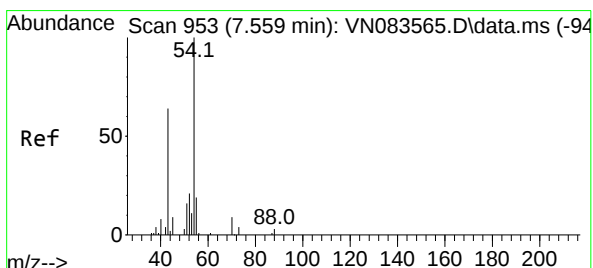
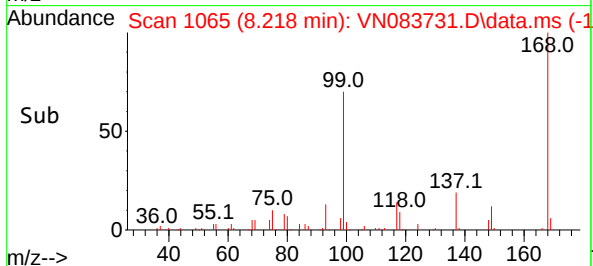
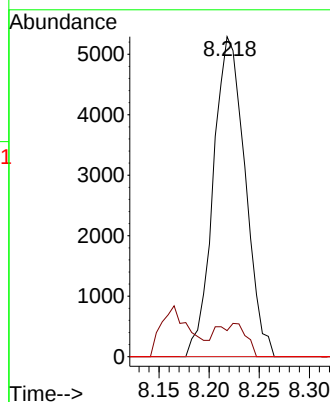
Tgt Ion: 75 Resp: 11687

Ion Ratio Lower Upper

75 100

110 10.3 16.7 50.1#

77 0.0 25.2 37.8#



#37

Ethyl Acetate

Concen: 0.336 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.070 min

Lab File: VN083731.D

Acq: 09 Sep 2024 21:00

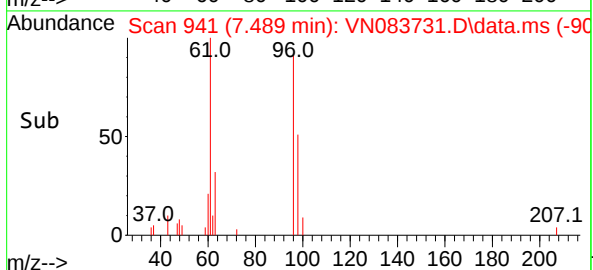
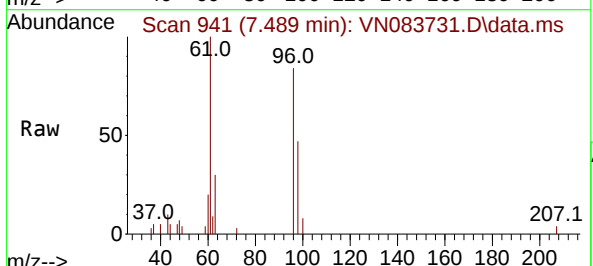
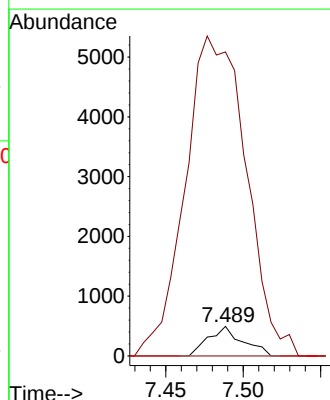
Tgt Ion: 43 Resp: 756

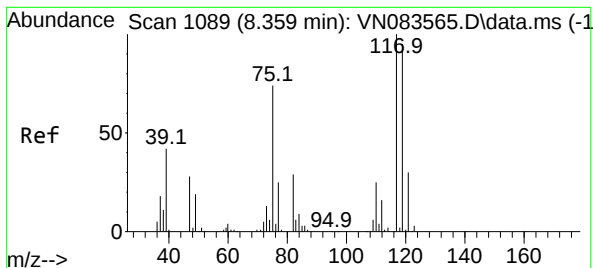
Ion Ratio Lower Upper

43 100

61 1937.0 11.1 16.7#

70 0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.552 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

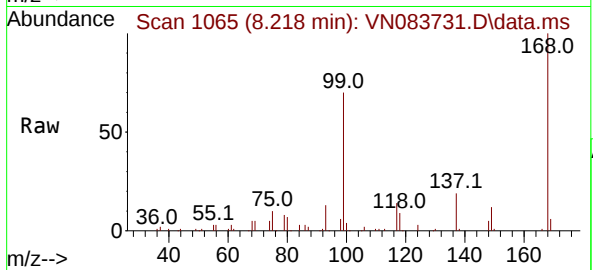
Lab File: VN083731.D

Acq: 09 Sep 2024 21:00

Instrument :

MSVOA_N

ClientSampleId :



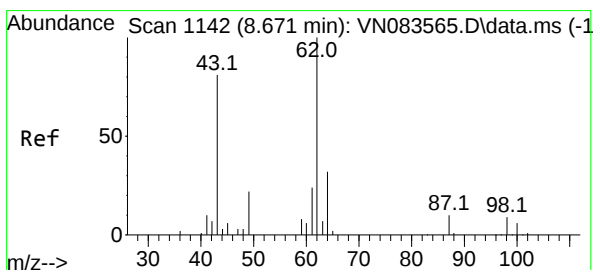
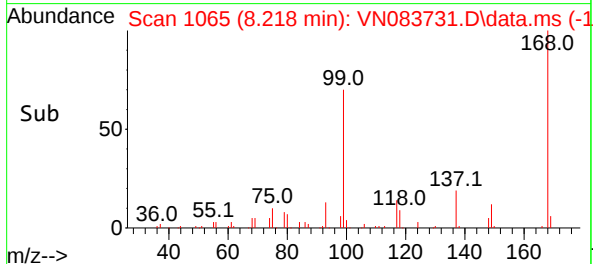
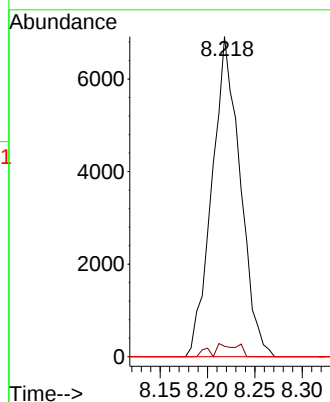
Tgt Ion:117 Resp: 14339

Ion Ratio Lower Upper

117 100

119 3.3 76.1 114.1#

121 0.0 24.1 36.1#



#42

1,2-Dichloroethane

Concen: 0.922 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN083731.D

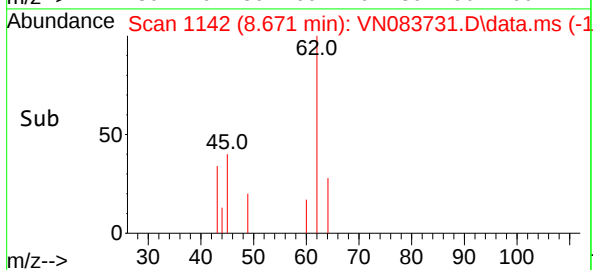
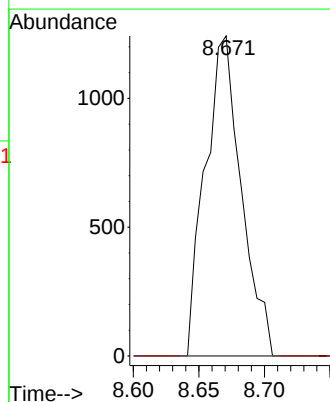
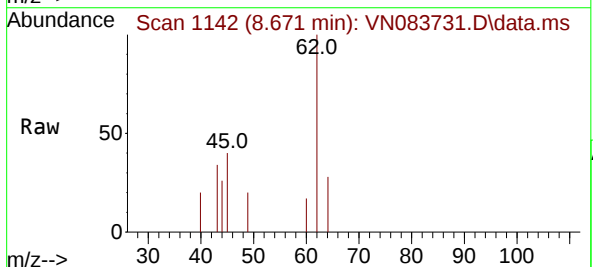
Acq: 09 Sep 2024 21:00

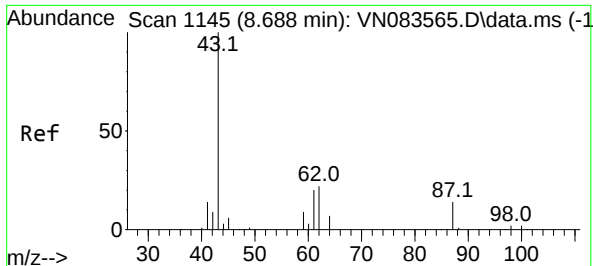
Tgt Ion: 62 Resp: 2380

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.677 min Scan# 1143

Delta R.T. -0.011 min

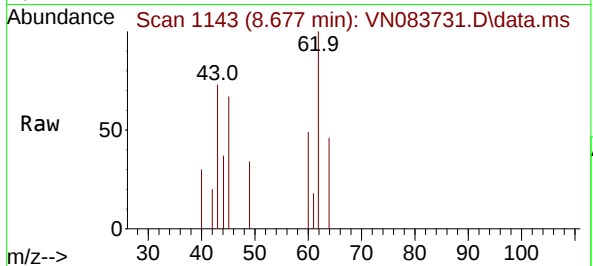
Lab File: VN083731.D

Acq: 09 Sep 2024 21:00

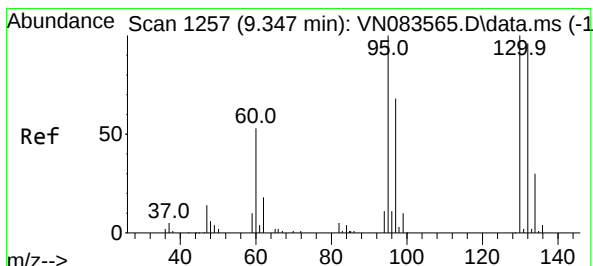
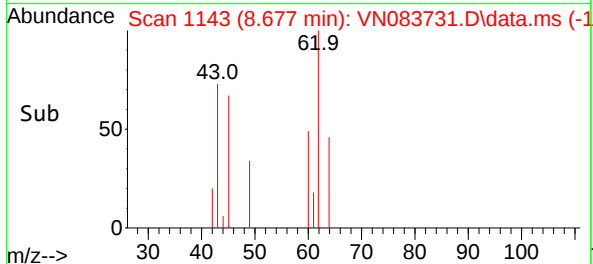
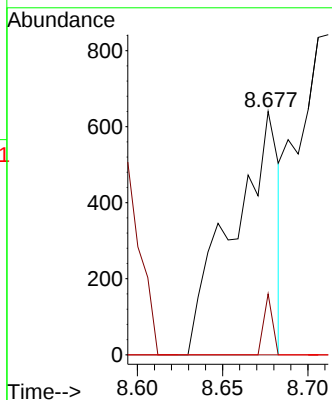
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 1203
Ion Ratio	Lower Upper
43 100	
61 0.0	19.4 29.0#
87 0.0	9.8 14.6#



#44

Trichloroethene

Concen: 8.111 ug/l

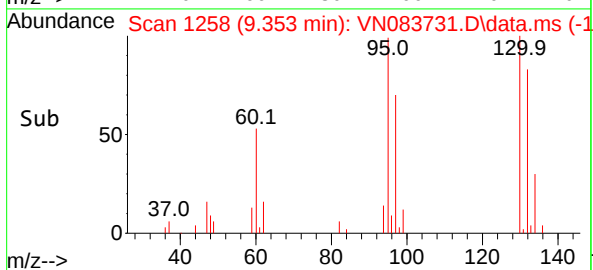
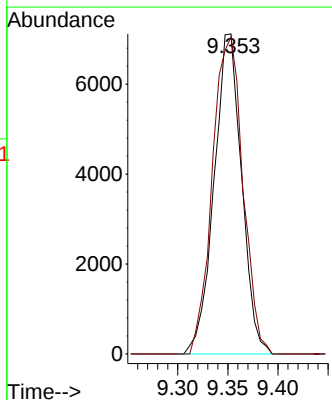
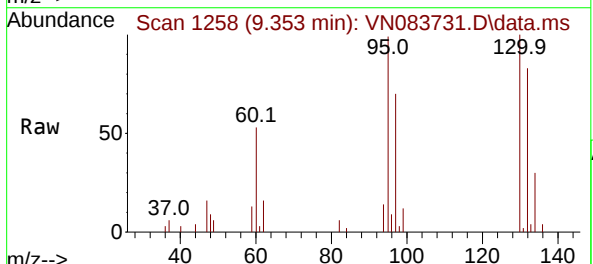
RT: 9.353 min Scan# 1258

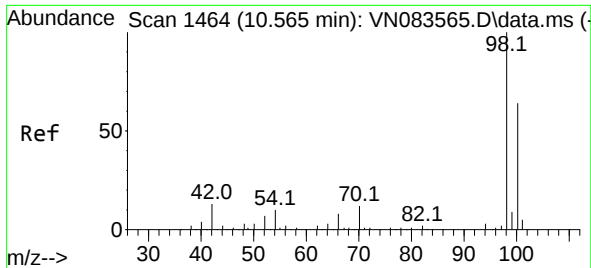
Delta R.T. 0.006 min

Lab File: VN083731.D

Acq: 09 Sep 2024 21:00

Tgt Ion:130	Resp:	13588	
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	200.4

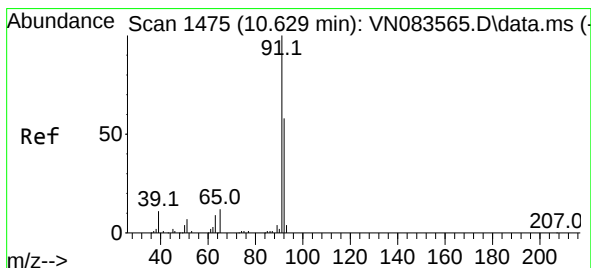
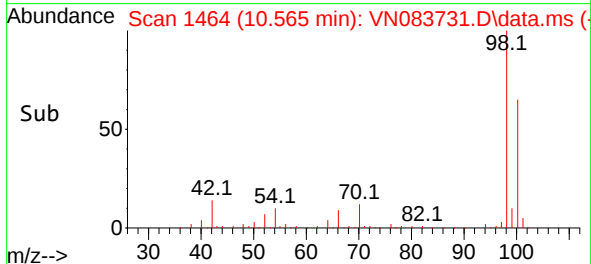
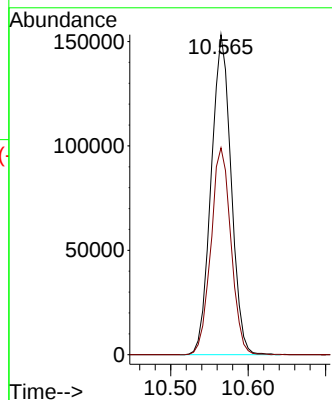
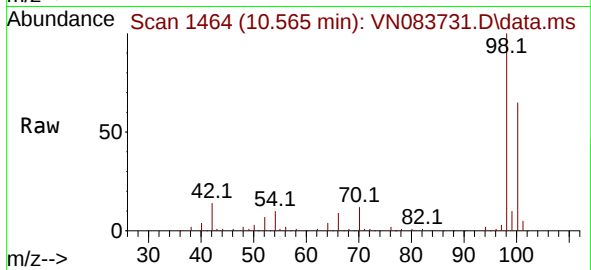




#50
Toluene-d8
Concen: 47.379 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

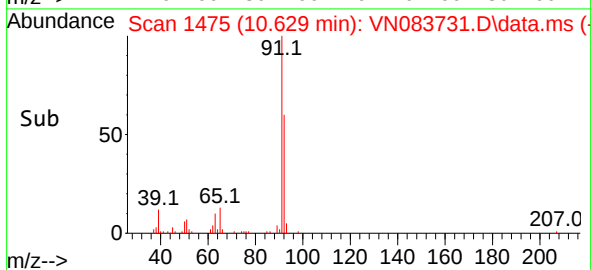
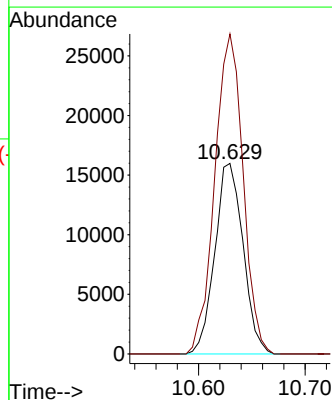
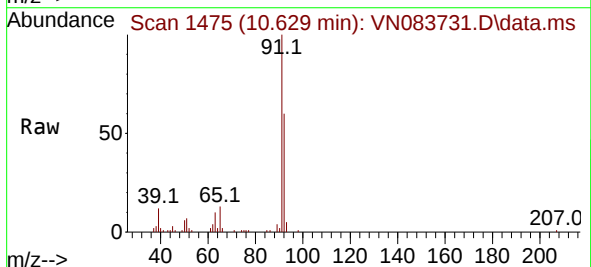
Instrument :
MSVOA_N
ClientSampleId :

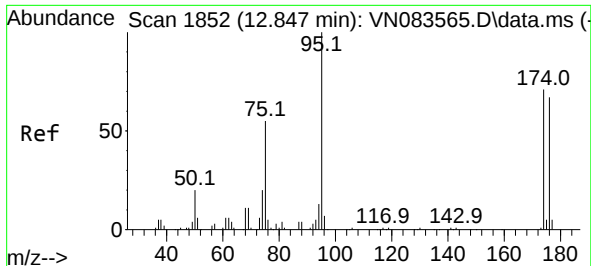
Tgt Ion: 98 Resp: 273784
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#52
Toluene
Concen: 6.751 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Tgt Ion: 92 Resp: 29403
Ion Ratio Lower Upper
92 100
91 168.8 134.7 202.1

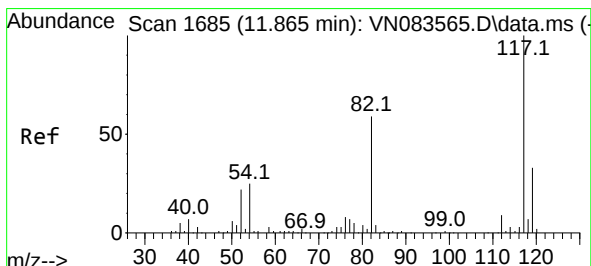
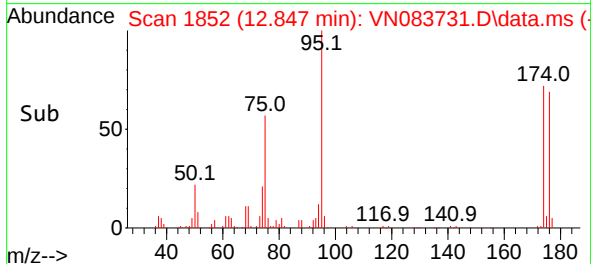
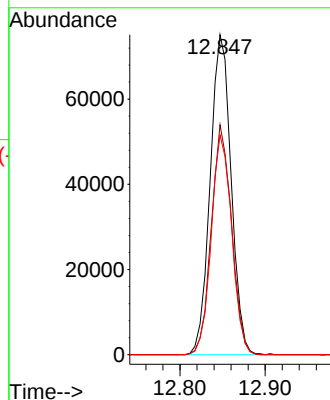
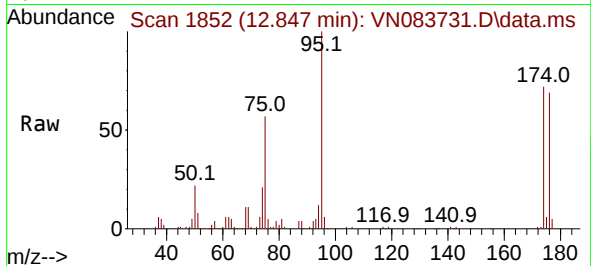




#62
4-Bromofluorobenzene
Concen: 59.777 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

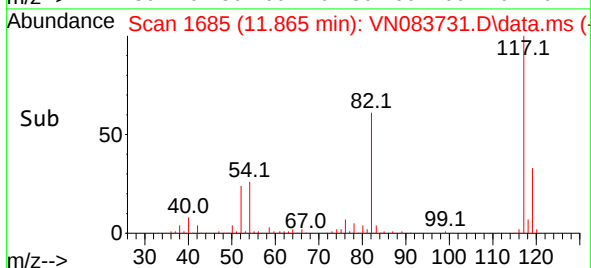
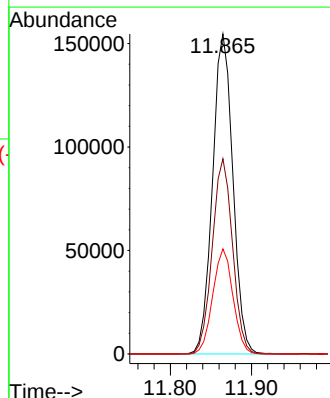
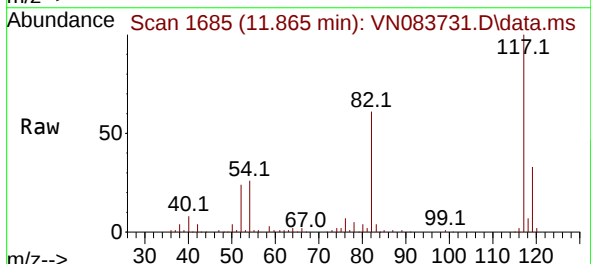
Instrument :
MSVOA_N
ClientSampleId :

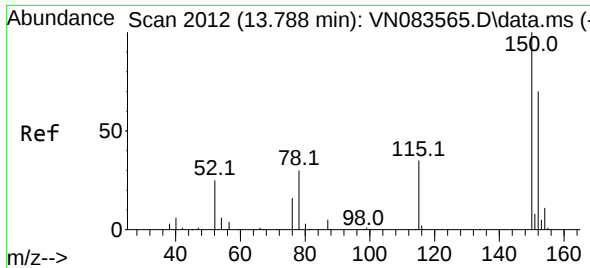
Tgt Ion: 95 Resp: 127983
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.8
176 67.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

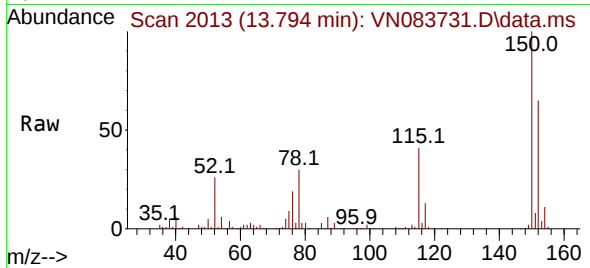
Tgt Ion: 117 Resp: 269240
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.0
119 32.8 26.3 39.5



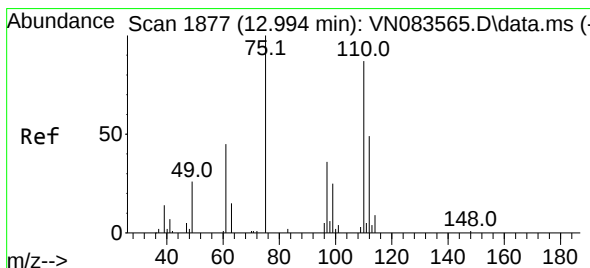
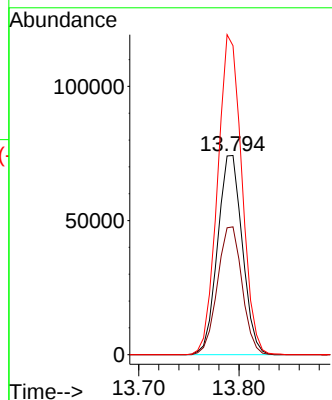
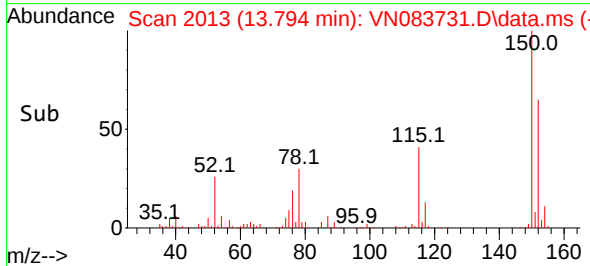


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN083731.D
 Acq: 09 Sep 2024 21:00

Instrument :
 MSVOA_N
 ClientSampleId :

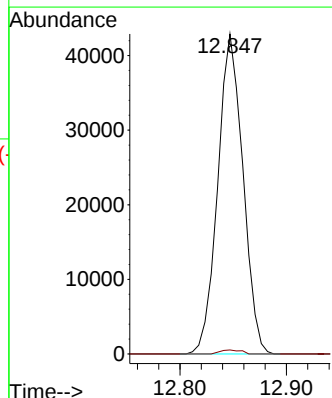
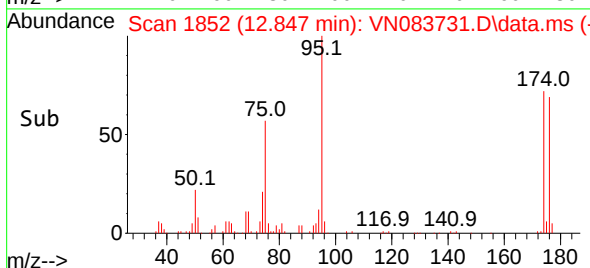
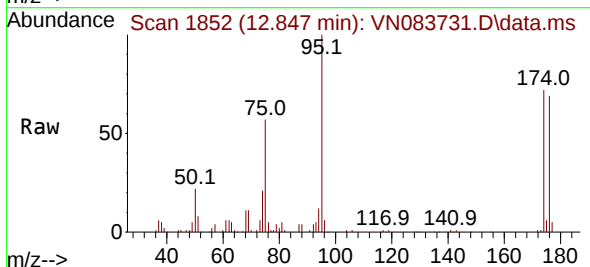


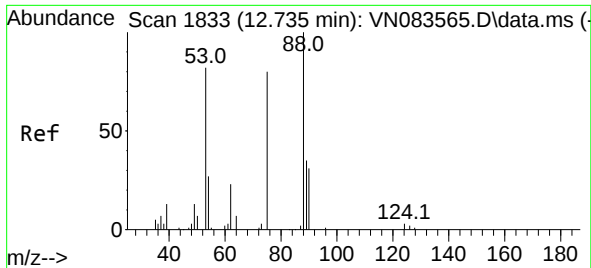
Tgt Ion:152 Resp: 127179
 Ion Ratio Lower Upper
 152 100
 115 64.0 32.2 96.6
 150 157.7 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 27.396 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN083731.D
 Acq: 09 Sep 2024 21:00

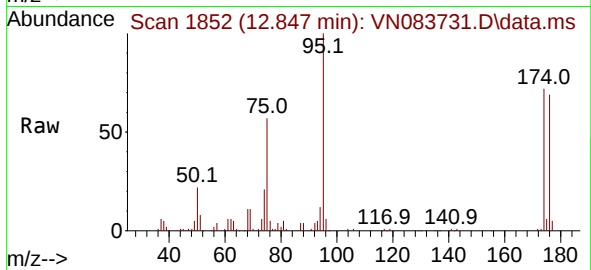
Tgt Ion: 75 Resp: 70346
 Ion Ratio Lower Upper
 75 100
 77 1.0 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 64.616 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN083731.D
Acq: 09 Sep 2024 21:00

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 70346
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

