

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085228.D
 Acq On : 17 Dec 2024 16:45
 Operator : JC\MD
 Sample : P5291-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 00:28:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

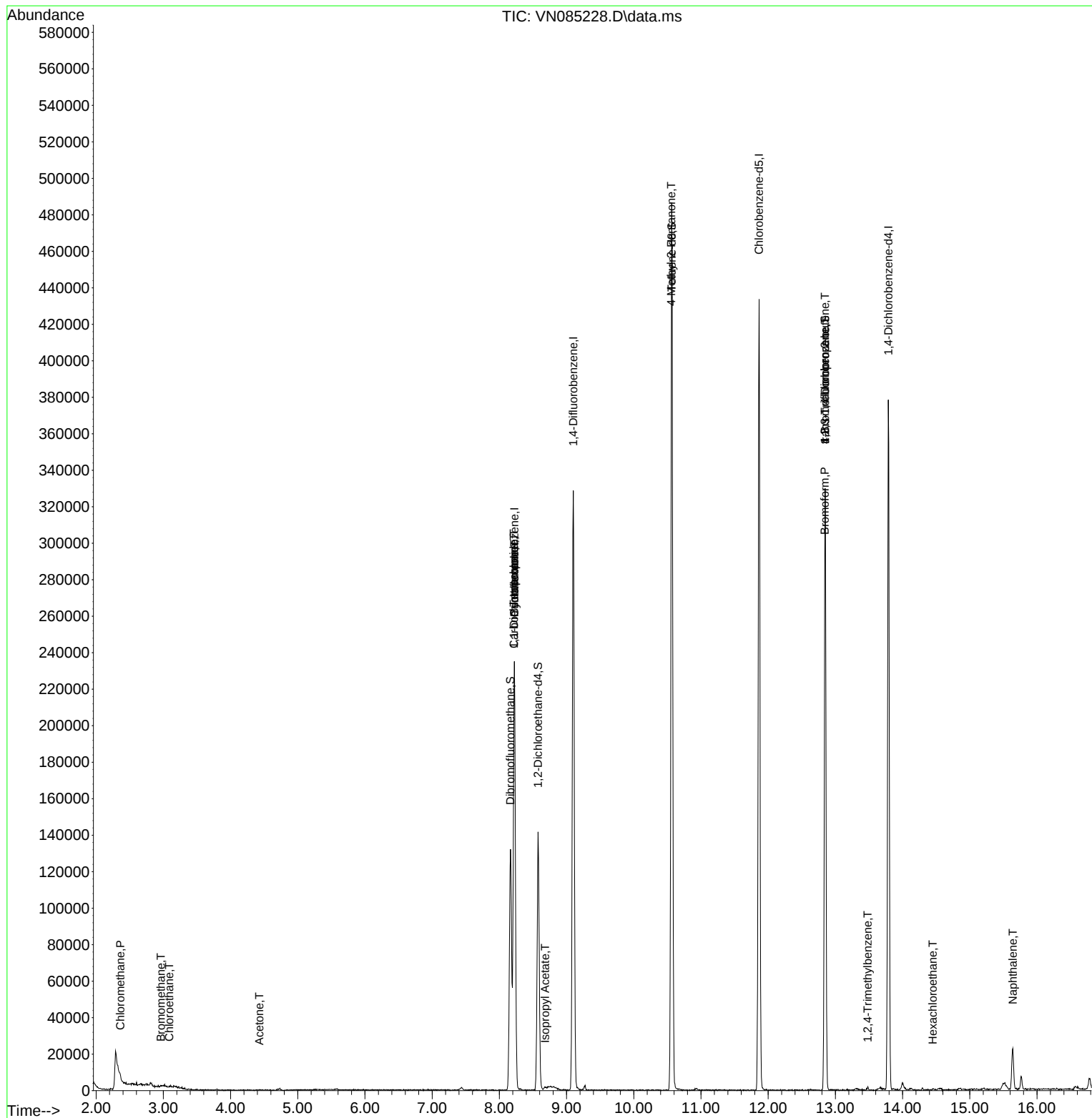
Internal Standards						
1) Pentafluorobenzene	8.224	168	167979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114324	47.780	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	95.560%	
35) Dibromofluoromethane	8.165	113	94743	49.753	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.500%	
50) Toluene-d8	10.565	98	331981	48.646	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	97.300%	
62) 4-Bromofluorobenzene	12.847	95	117008	45.848	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	91.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	677	0.307	ug/l	96
5) Bromomethane	2.965	94	328	0.296	ug/l #	77
6) Chloroethane	3.089	64	273	0.205	ug/l #	44
16) Acetone	4.430	43	491	0.705	ug/l #	43
18) Methyl Acetate	5.036	43	79	Below Cal	#	50
31) Cyclohexane	8.224	56	3697	1.160	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13193	5.115	ug/l #	50
38) Carbon Tetrachloride	8.218	117	17616	5.917	ug/l #	18
43) Isopropyl Acetate	8.683	43	1463	0.300	ug/l #	55
51) 4-Methyl-2-Pentanone	10.559	43	1476	0.663	ug/l #	1
71) Bromoform	12.841	173	679	0.461	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	60970	33.036	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	60970	72.929	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.482	105	1372	0.222	ug/l	87
90) Hexachloroethane	14.447	117	293	0.233	ug/l #	14
95) Naphthalene	15.641	128	23819	4.228	ug/l	98

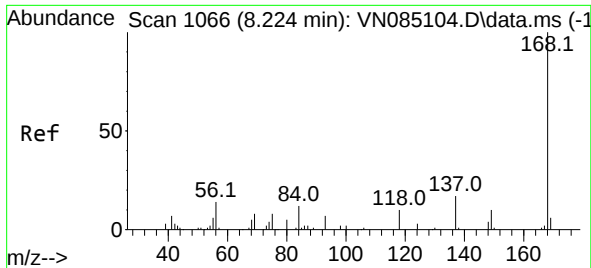
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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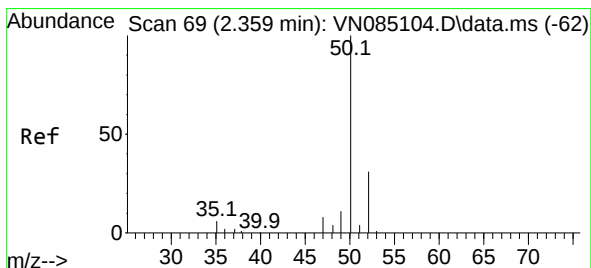
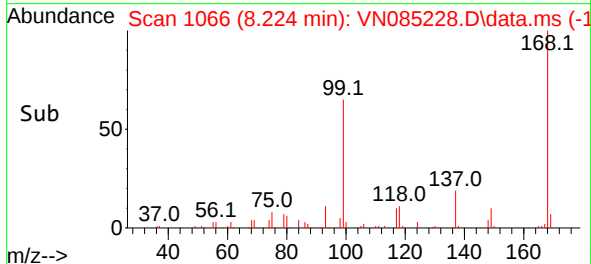
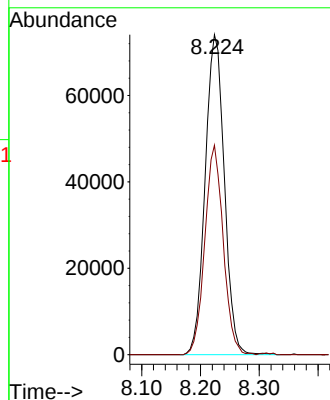
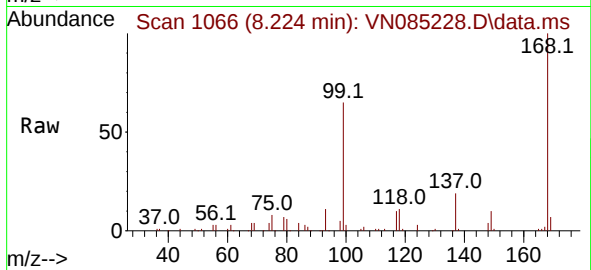




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

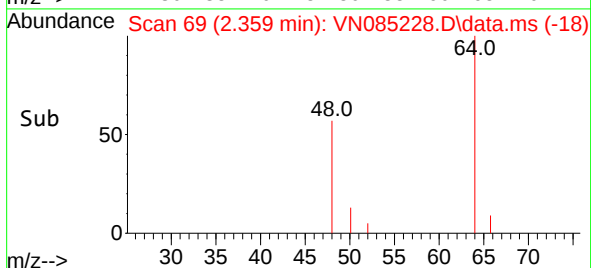
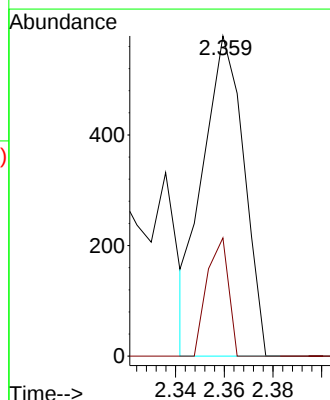
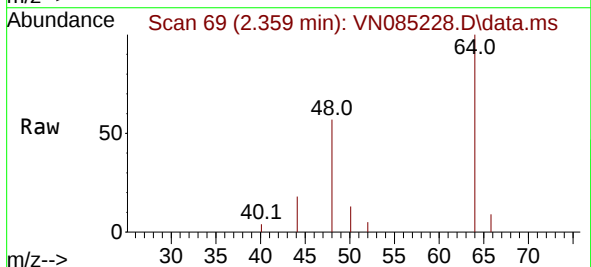
Instrument :
MSVOA_N
ClientSampleId :

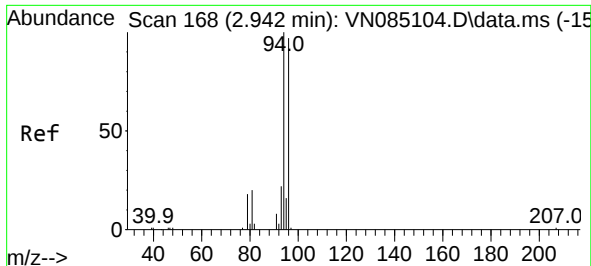
Tgt Ion:168 Resp: 167979
Ion Ratio Lower Upper
168 100
99 65.4 51.2 76.8



#3
Chloromethane
Concen: 0.307 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Tgt Ion: 50 Resp: 677
Ion Ratio Lower Upper
50 100
52 37.0 27.8 41.8

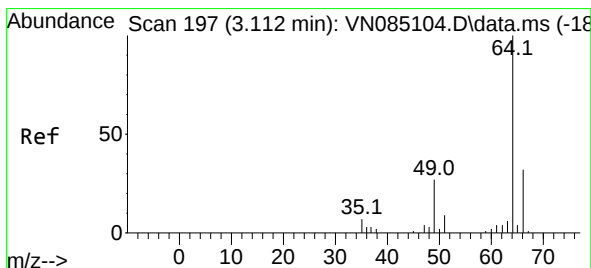
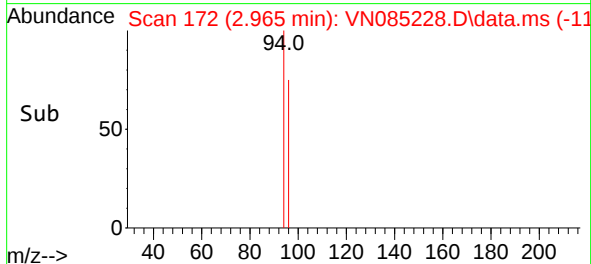
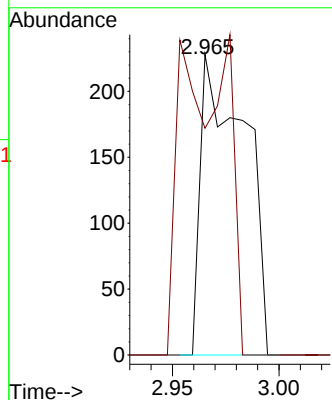
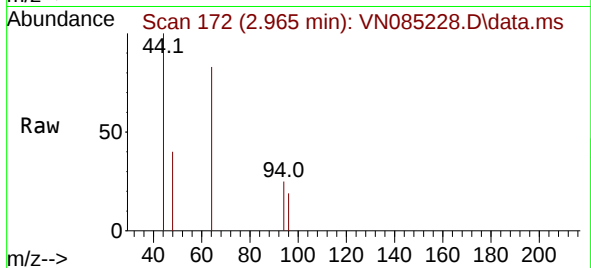




#5
Bromomethane
Concen: 0.296 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

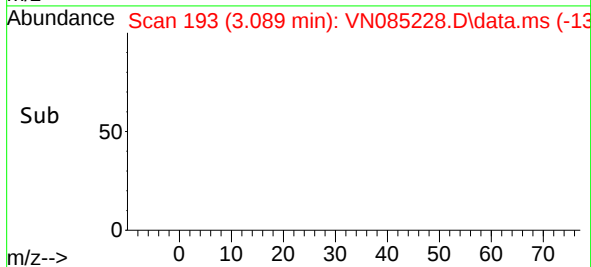
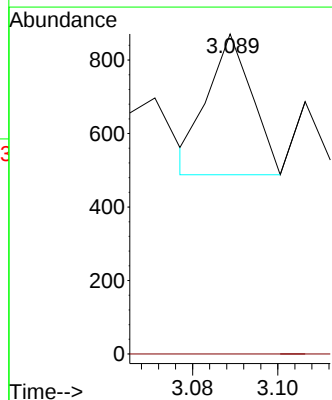
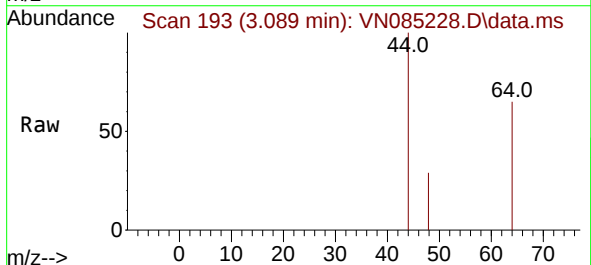
Instrument :
MSVOA_N
ClientSampleId :

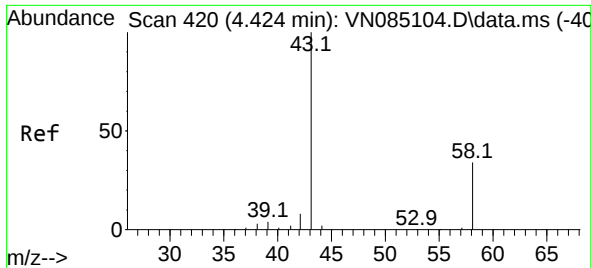
Tgt Ion: 94 Resp: 328
Ion Ratio Lower Upper
94 100
96 75.4 78.7 118.1#



#6
Chloroethane
Concen: 0.205 ug/l
RT: 3.089 min Scan# 193
Delta R.T. 0.023 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Tgt Ion: 64 Resp: 273
Ion Ratio Lower Upper
64 100
66 0.0 24.4 36.6#

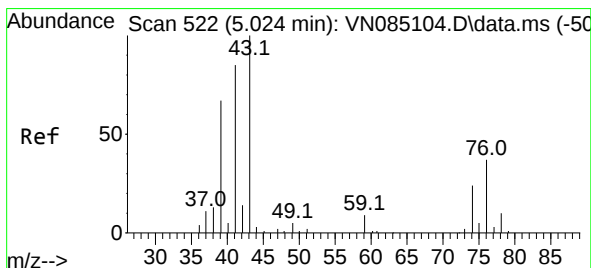
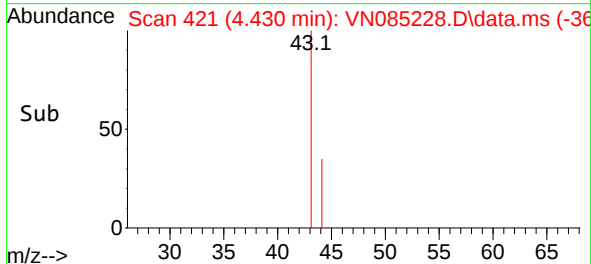
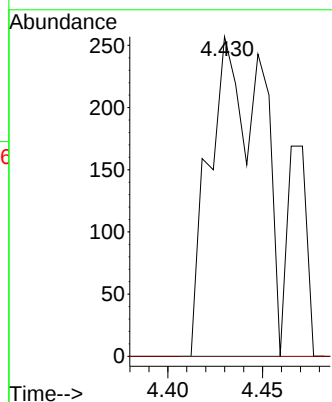
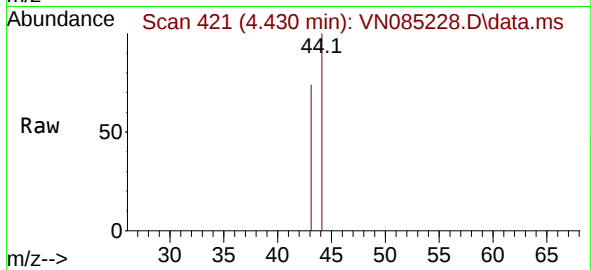




#16
 Acetone
 Concen: 0.705 ug/l
 RT: 4.430 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VN085228.D
 Acq: 17 Dec 2024 16:45

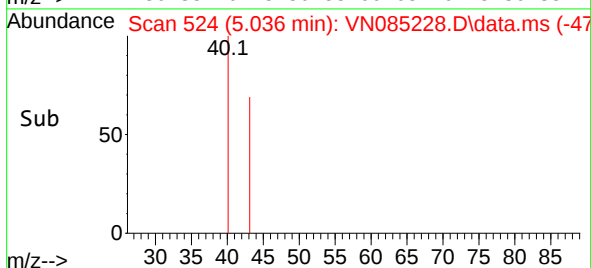
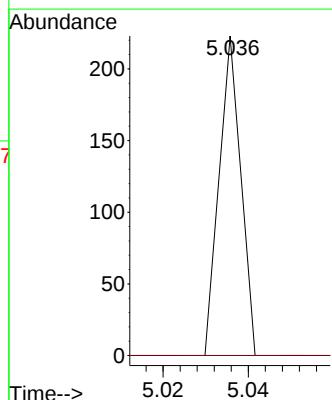
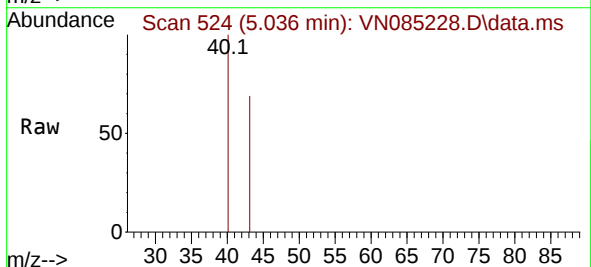
Instrument :
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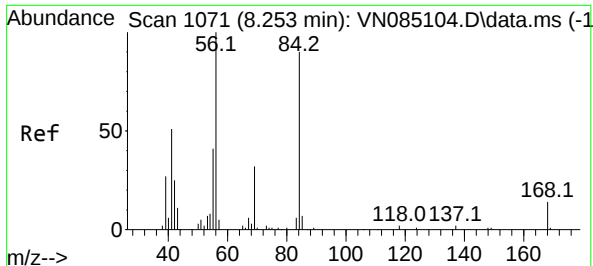
Tgt Ion: 43 Resp: 491
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.4 38.2#



#18
 Methyl Acetate
 Concen: Below Cal
 RT: 5.036 min Scan# 524
 Delta R.T. 0.018 min
 Lab File: VN085228.D
 Acq: 17 Dec 2024 16:45

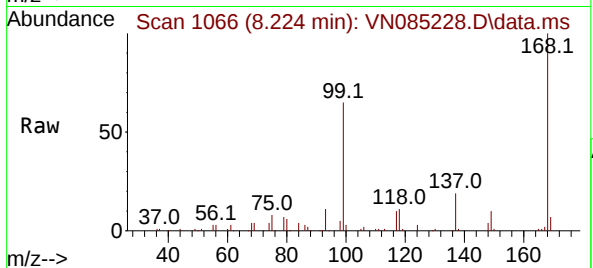
Tgt Ion: 43 Resp: 79
 Ion Ratio Lower Upper
 43 100
 74 0.0 20.1 30.1#



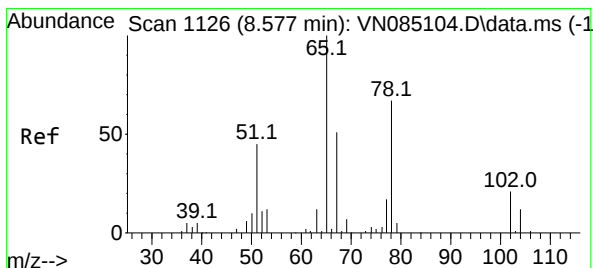
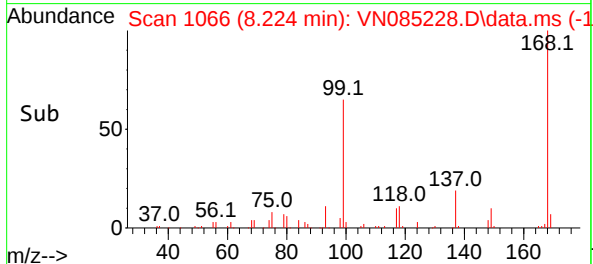
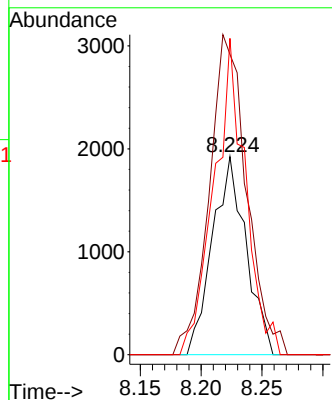


#31
Cyclohexane
Concen: 1.160 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

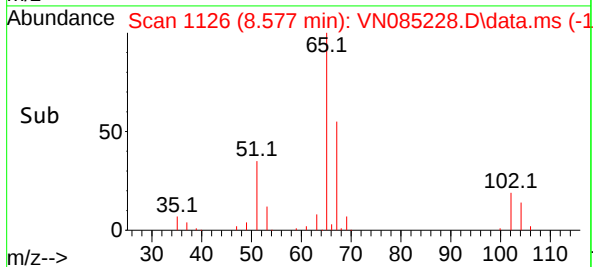
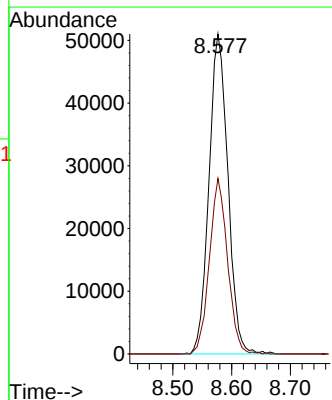
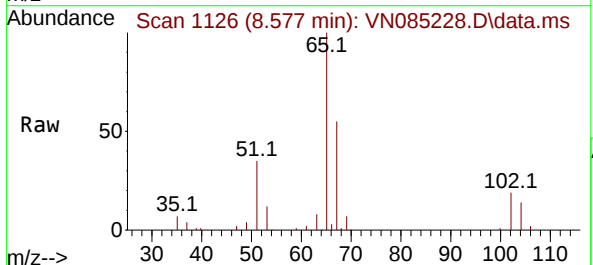


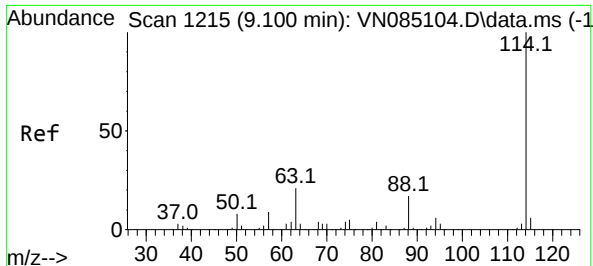
Tgt Ion: 56 Resp: 3697
Ion Ratio Lower Upper
56 100
69 142.3 24.6 36.8#
84 159.7 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 47.780 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Tgt Ion: 65 Resp: 114324
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085228.D

Acq: 17 Dec 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

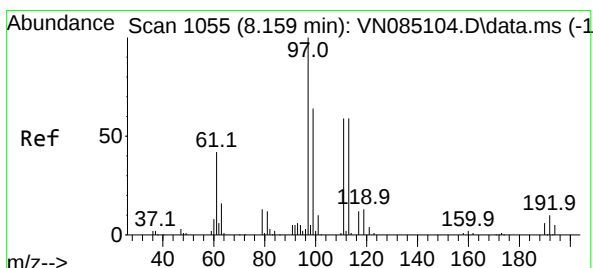
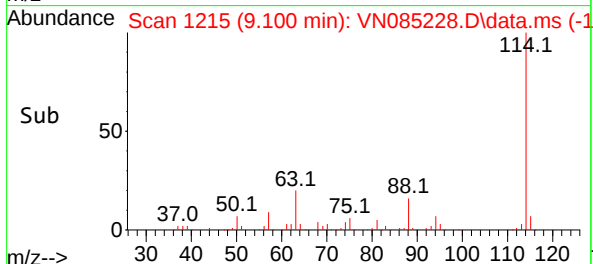
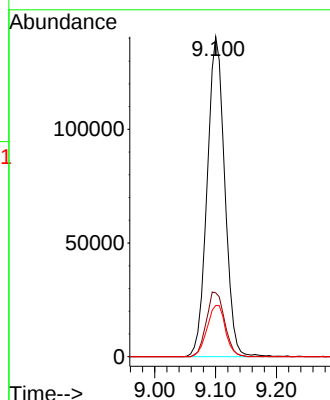
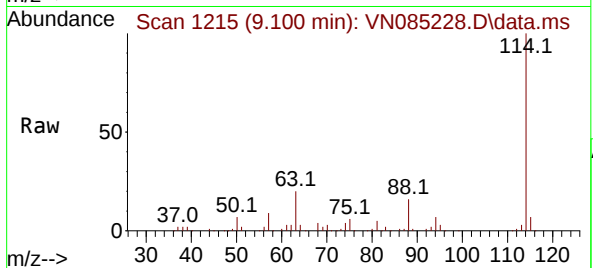
Tgt Ion:114 Resp: 282377

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 16.0 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.753 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085228.D

Acq: 17 Dec 2024 16:45

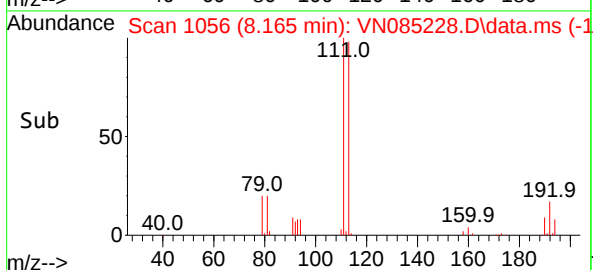
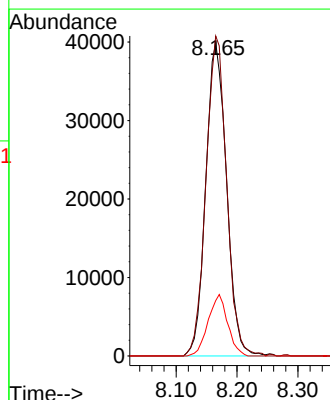
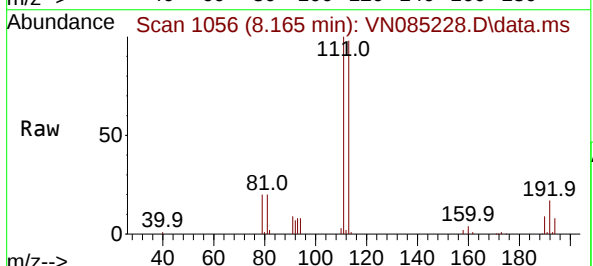
Tgt Ion:113 Resp: 94743

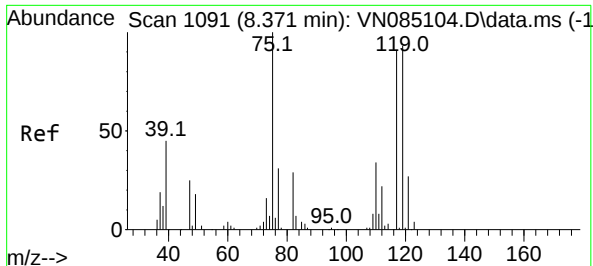
Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 18.4 14.8 22.2





#36

1,1-Dichloropropene

Concen: 5.115 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085228.D

Acq: 17 Dec 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

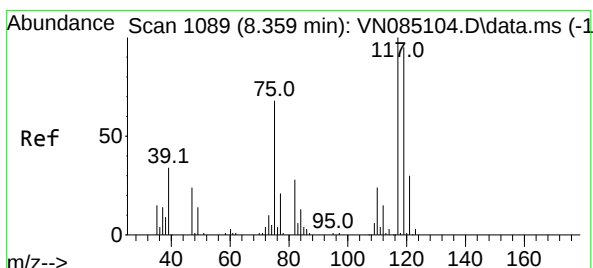
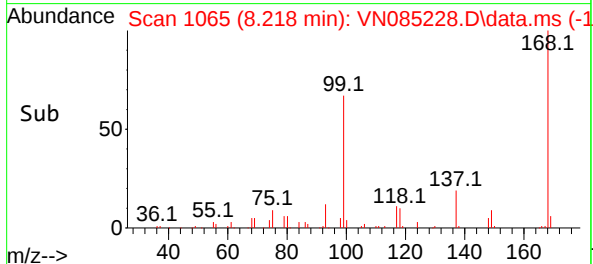
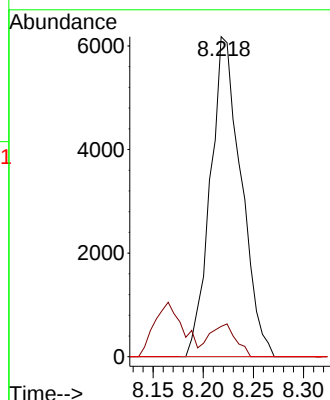
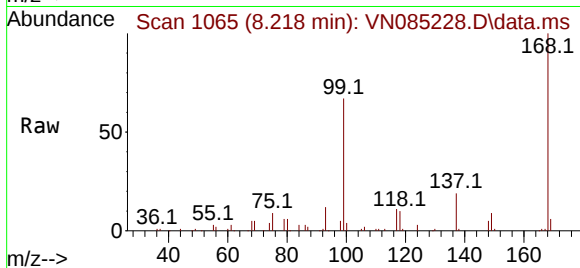
Tgt Ion: 75 Resp: 13193

Ion Ratio Lower Upper

75 100

110 8.8 17.2 51.6#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 5.917 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.135 min

Lab File: VN085228.D

Acq: 17 Dec 2024 16:45

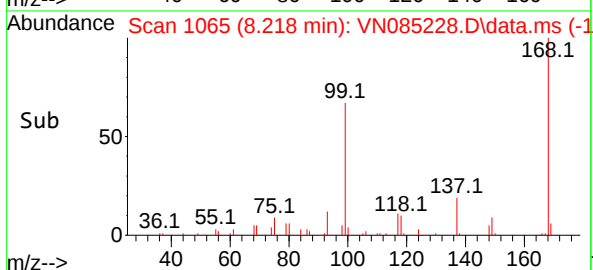
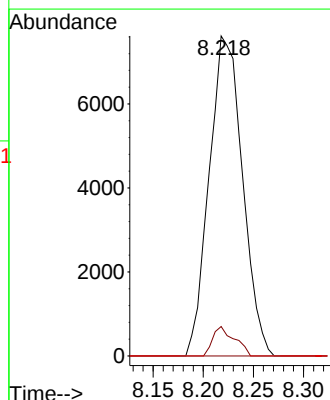
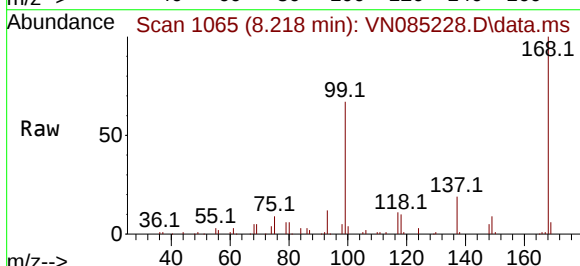
Tgt Ion: 117 Resp: 17616

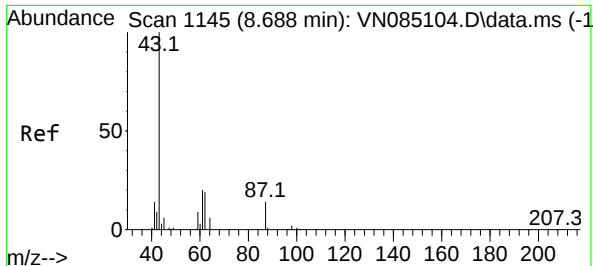
Ion Ratio Lower Upper

117 100

119 9.2 78.6 117.8#

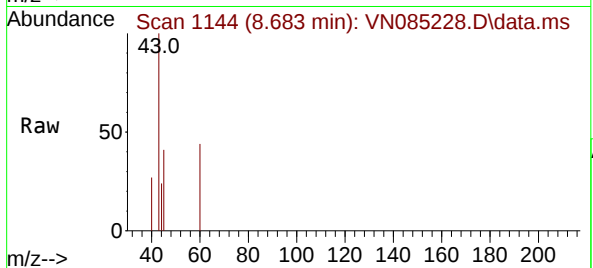
121 0.0 24.2 36.2#



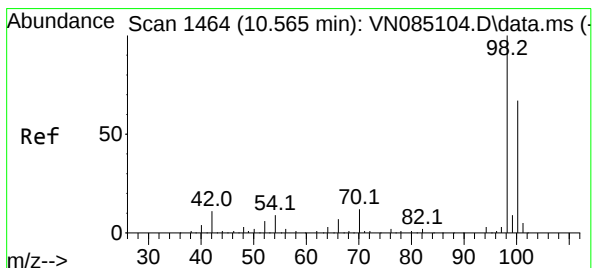
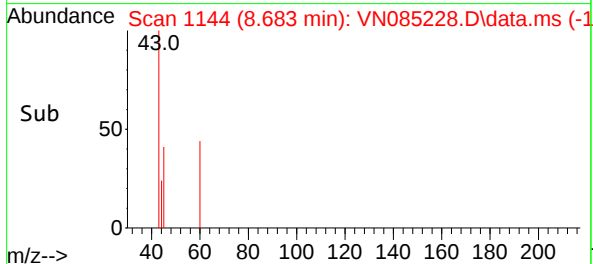
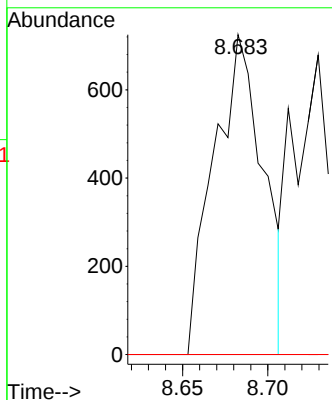


#43
Isopropyl Acetate
Concen: 0.300 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :

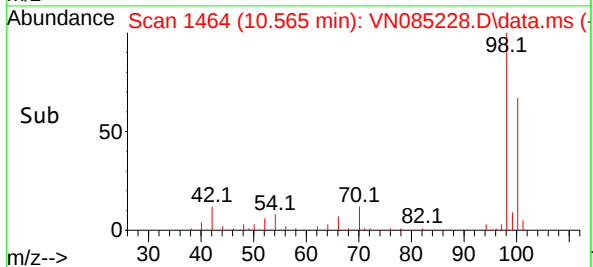
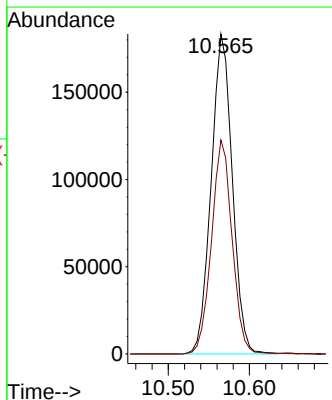
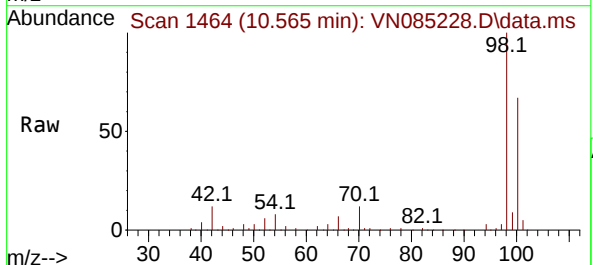


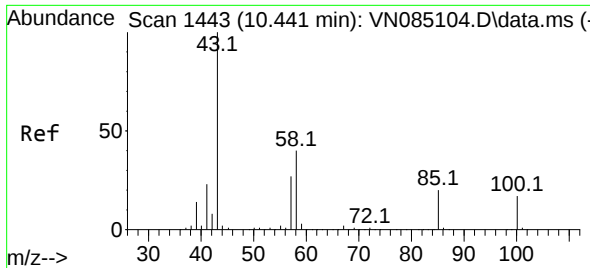
Tgt Ion: 43 Resp: 1463
Ion Ratio Lower Upper
43 100
61 0.0 20.6 30.8#
87 0.0 11.0 16.4#



#50
Toluene-d8
Concen: 48.646 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Tgt Ion: 98 Resp: 331981
Ion Ratio Lower Upper
98 100
100 65.2 52.5 78.7

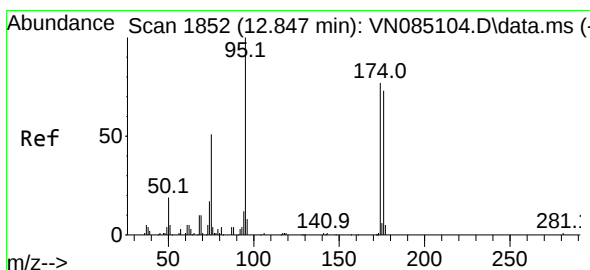
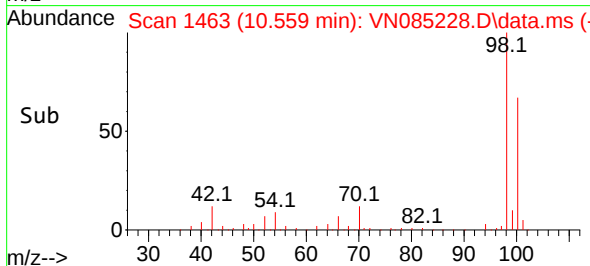
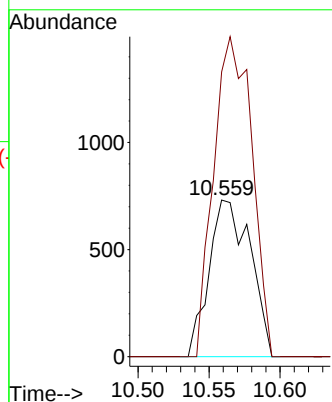
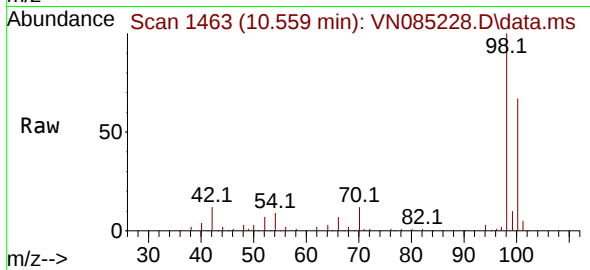




#51
4-Methyl-2-Pentanone
Concen: 0.663 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

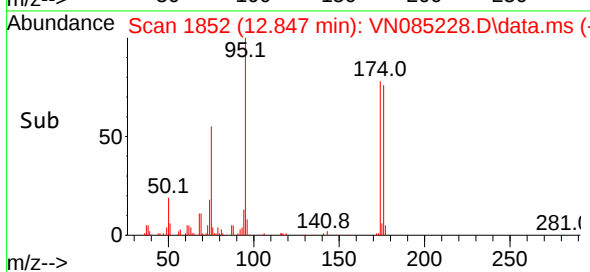
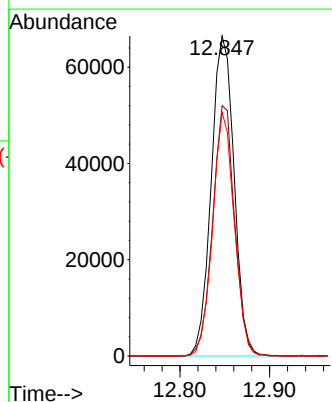
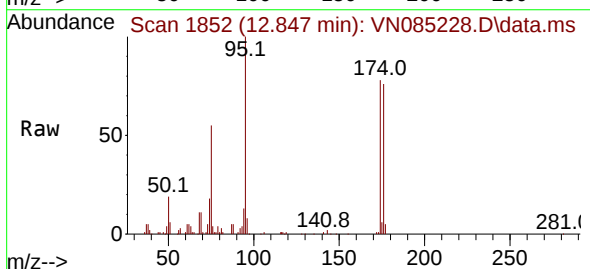
Instrument :
MSVOA_N
ClientSampleId :

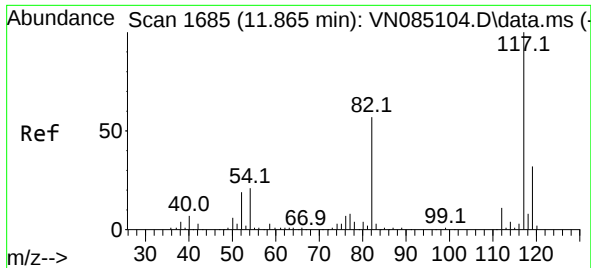
Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
58 189.4 32.1 48.1#



#62
4-Bromofluorobenzene
Concen: 45.848 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Tgt Ion: 95 Resp: 117008
Ion Ratio Lower Upper
95 100
174 75.9 0.0 146.6
176 72.2 0.0 141.8

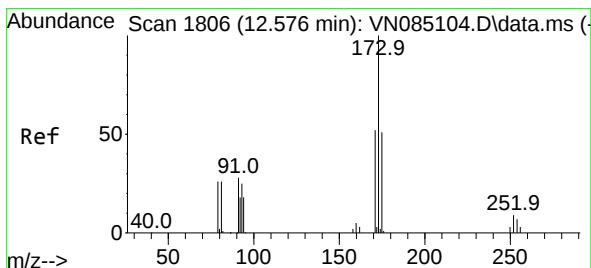
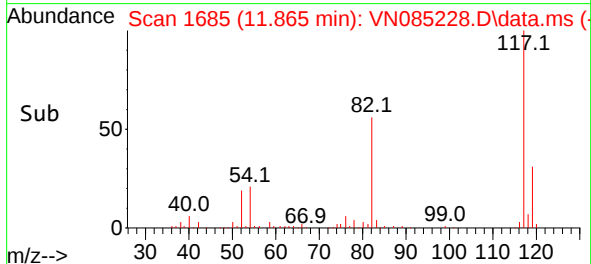
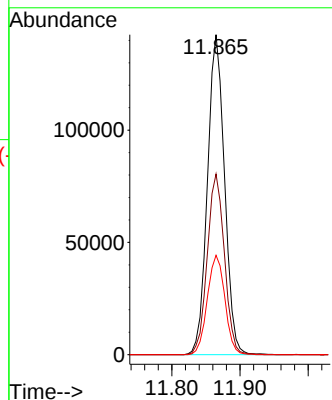
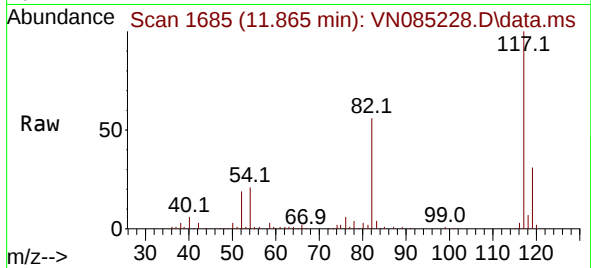




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

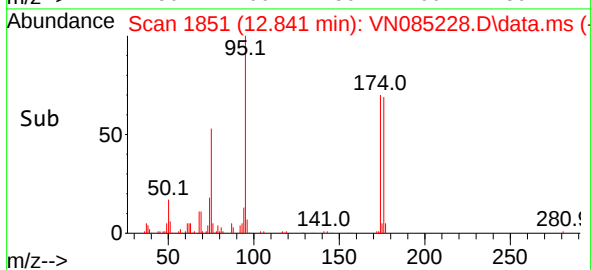
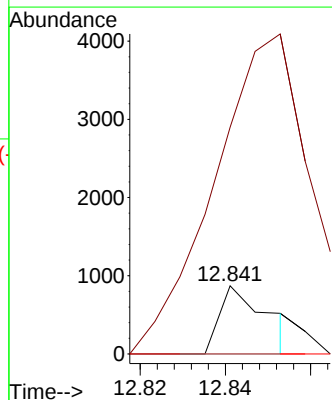
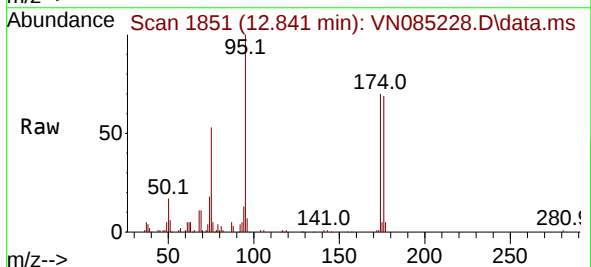
Instrument :
MSVOA_N
ClientSampleId :

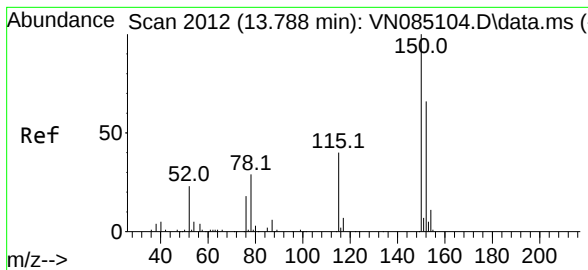
Tgt Ion:117 Resp: 248528
Ion Ratio Lower Upper
117 100
82 56.5 46.0 69.0
119 31.1 25.6 38.4



#71
Bromoform
Concen: 0.461 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Tgt Ion:173 Resp: 679
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.2#
254 0.0 0.0 0.0

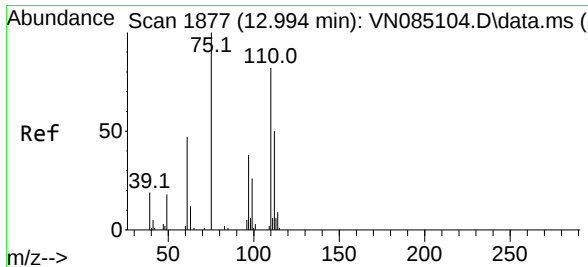
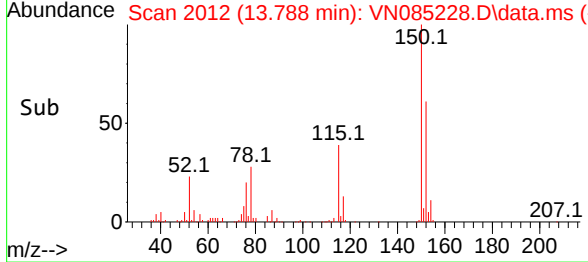
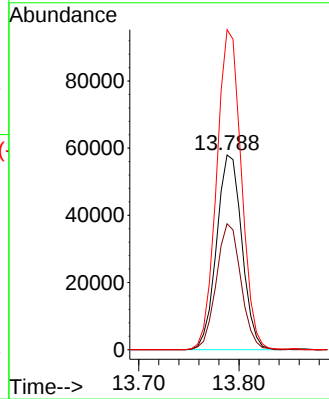
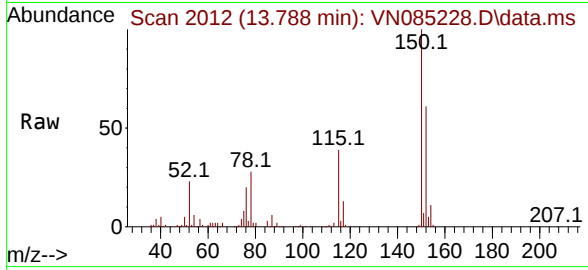




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN085228.D
 Acq: 17 Dec 2024 16:45

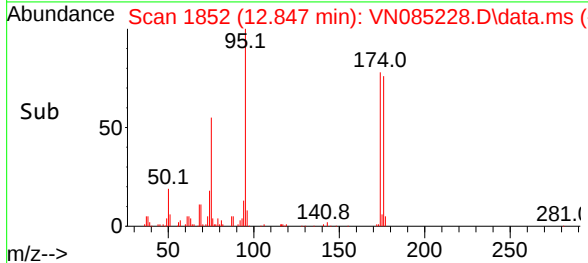
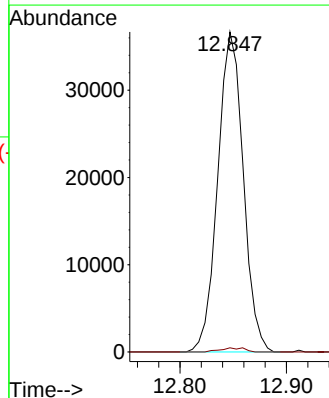
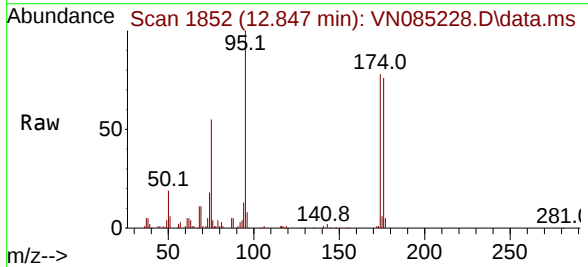
Instrument :
 MSVOA_N
 ClientSampleId :

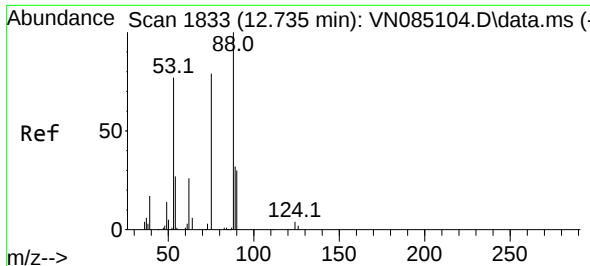
Tgt Ion:152 Resp: 101465
 Ion Ratio Lower Upper
 152 100
 115 63.0 31.7 95.1
 150 160.3 0.0 351.4



#76
 1,2,3-Trichloropropane
 Concen: 33.036 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN085228.D
 Acq: 17 Dec 2024 16:45

Tgt Ion: 75 Resp: 60970
 Ion Ratio Lower Upper
 75 100
 77 1.2 109.1 327.4#

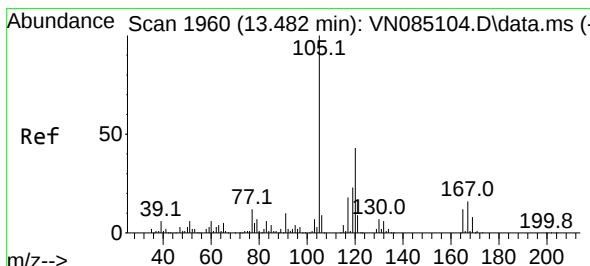
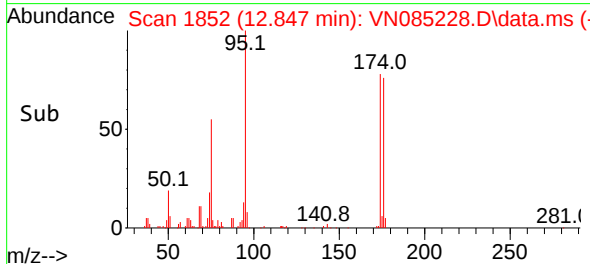
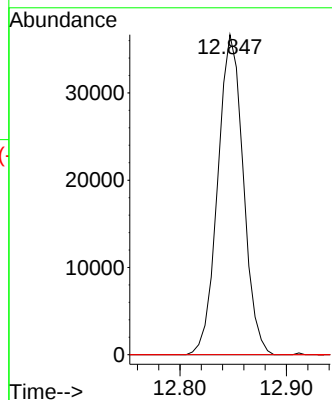
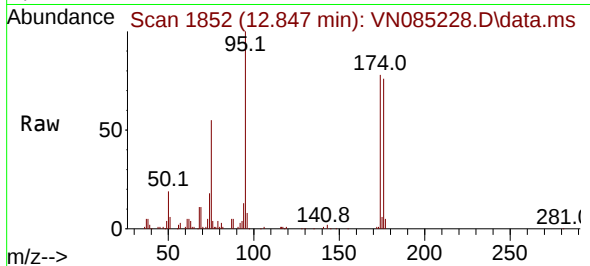




#81
trans-1,4-Dichloro-2-butene
Concen: 72.929 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

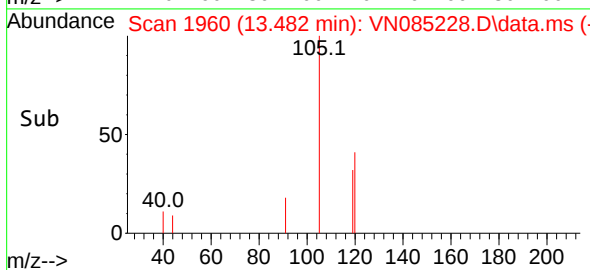
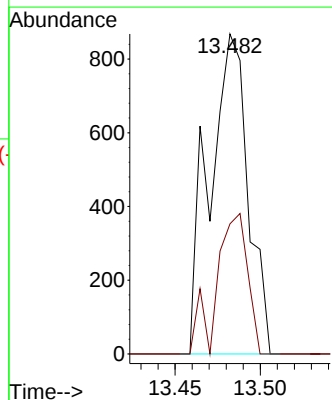
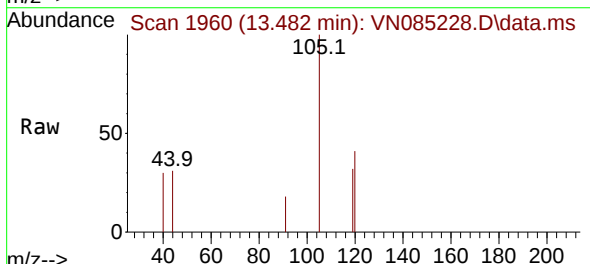
Instrument :
MSVOA_N
ClientSampleId :

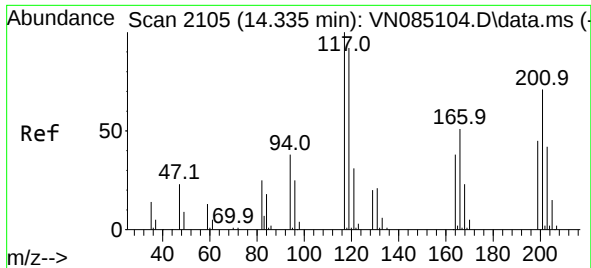
Tgt Ion: 75 Resp: 60970
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.4#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.222 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Tgt Ion: 105 Resp: 1372
Ion Ratio Lower Upper
105 100
120 35.2 21.8 65.4

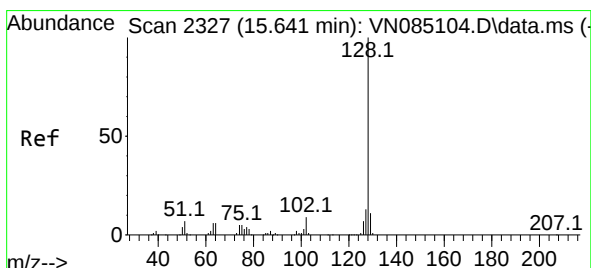
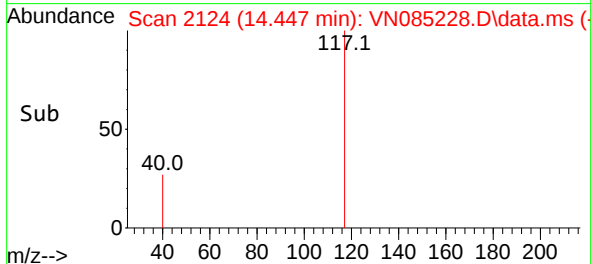
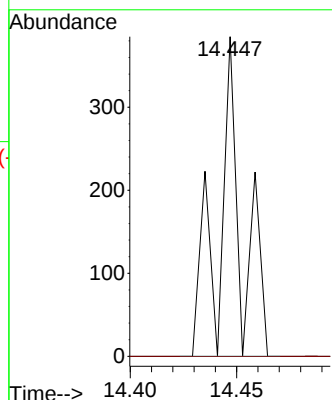
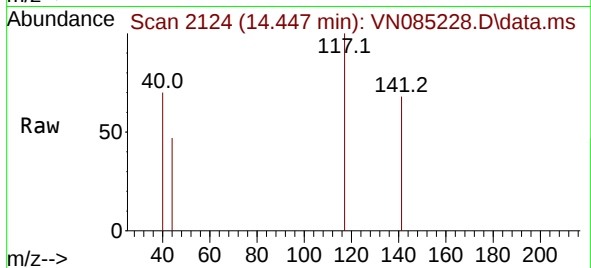




#90
 Hexachloroethane
 Concen: 0.233 ug/l
 RT: 14.447 min Scan# 2105
 Delta R.T. 0.118 min
 Lab File: VN085228.D
 Acq: 17 Dec 2024 16:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:117 Resp: 293
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.2 105.6#



#95
 Naphthalene
 Concen: 4.228 ug/l
 RT: 15.641 min Scan# 2327
 Delta R.T. -0.000 min
 Lab File: VN085228.D
 Acq: 17 Dec 2024 16:45

Tgt Ion:128 Resp: 23819
 Ion Ratio Lower Upper
 128 100
 127 11.8 10.6 16.0
 129 10.7 8.6 12.8

