

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085261.D
 Acq On : 18 Dec 2024 19:33
 Operator : JC\MD
 Sample : P5291-11RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 06:49:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

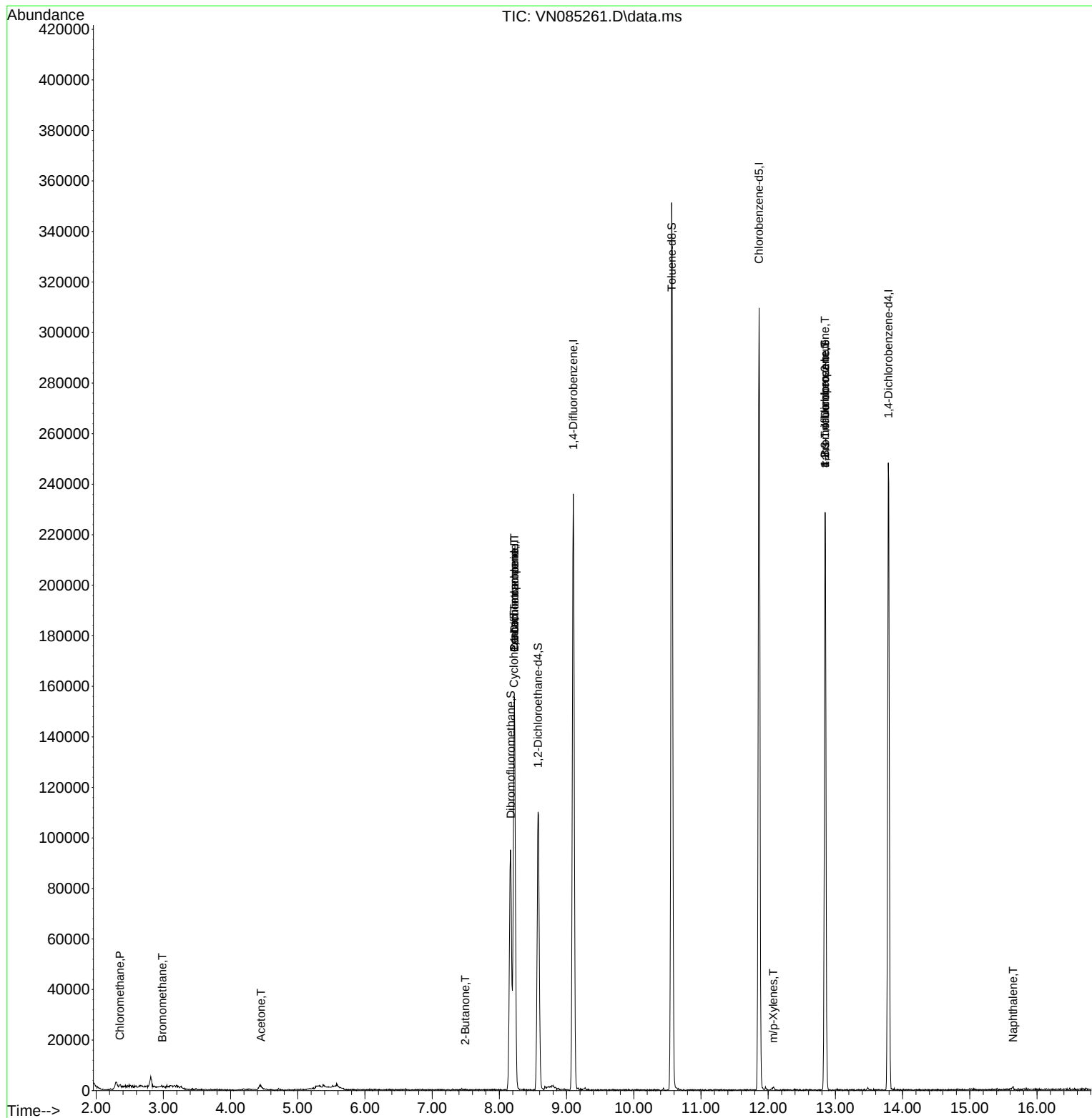
Internal Standards						
1) Pentafluorobenzene	8.224	168	102235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	187663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	161222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	62465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	91200	51.038	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.080%
35) Dibromofluoromethane	8.171	113	65713	49.806	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.620%
50) Toluene-d8	10.565	98	229435	47.578	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.160%
62) 4-Bromofluorobenzene	12.847	95	72343	42.002	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	84.000%
Target Compounds						
						Qvalue
3) Chloromethane	2.353	50	347	0.224	ug/l #	42
5) Bromomethane	2.983	94	223	0.234	ug/l #	2
6) Chloroethane	3.153	64	280	Below Cal	#	42
16) Acetone	4.453	43	3668	5.947	ug/l #	81
25) 2-Butanone	7.494	43	267	0.283	ug/l #	51
31) Cyclohexane	8.218	56	2973	1.286	ug/l #	31
36) 1,1-Dichloropropene	8.224	75	9946	5.414	ug/l #	51
38) Carbon Tetrachloride	8.224	117	11653	5.246	ug/l #	15
68) m/p-Xylenes	12.076	106	528	0.227	ug/l	84
76) 1,2,3-Trichloropropane	12.847	75	43344	29.110	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	43344	77.297	ug/l #	7
95) Naphthalene	15.647	128	2080	0.605	ug/l #	74

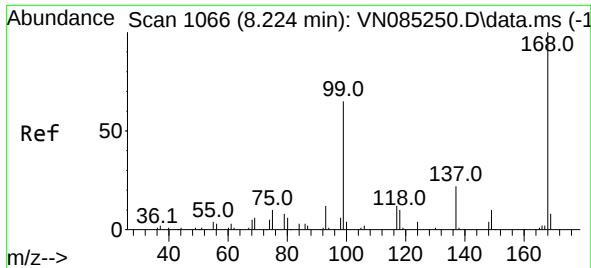
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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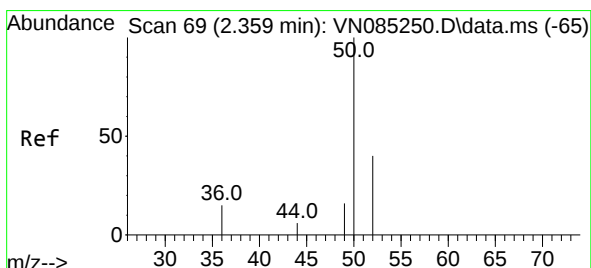
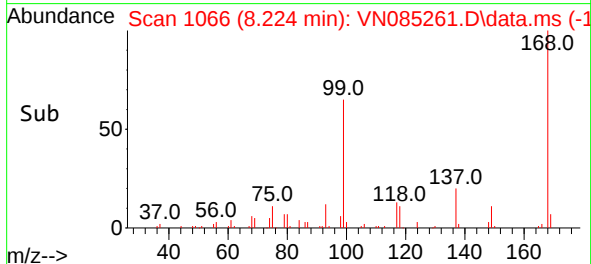
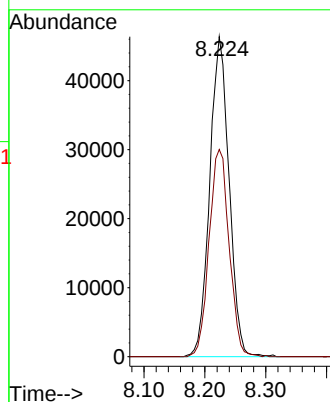
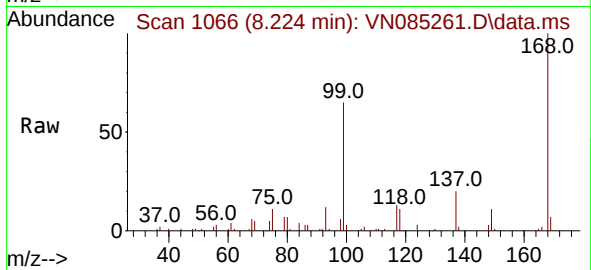




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

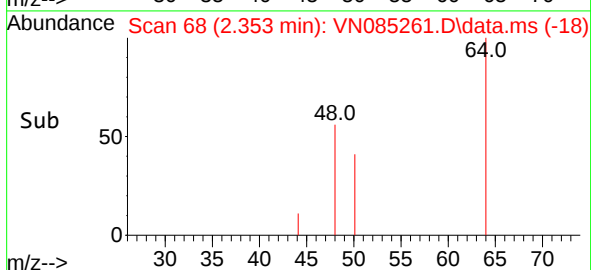
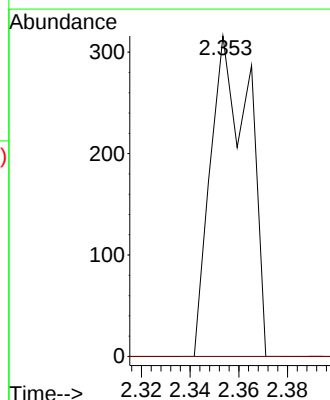
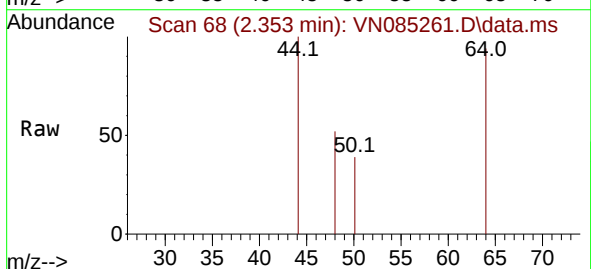
Instrument :
MSVOA_N
ClientSampleId :

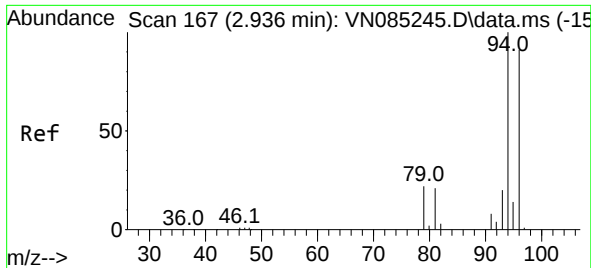
Tgt Ion:168 Resp: 102235
Ion Ratio Lower Upper
168 100
99 64.8 50.7 76.1



#3
Chloromethane
Concen: 0.224 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Tgt Ion: 50 Resp: 347
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

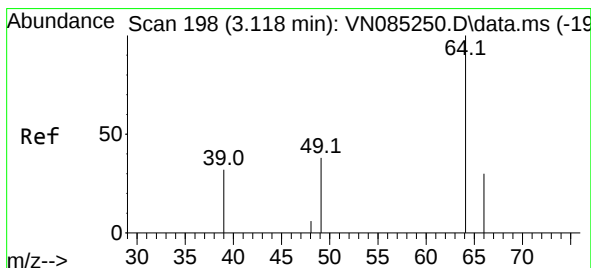
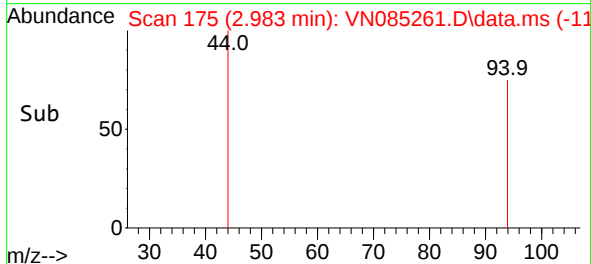
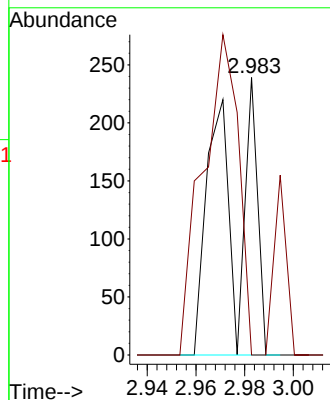
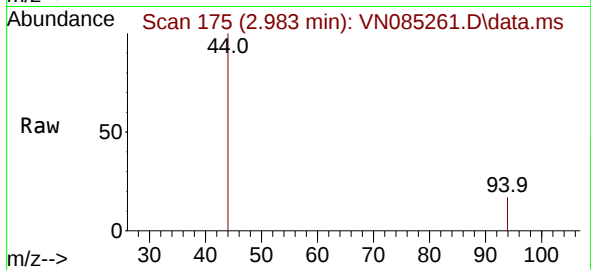




#5
Bromomethane
Concen: 0.234 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

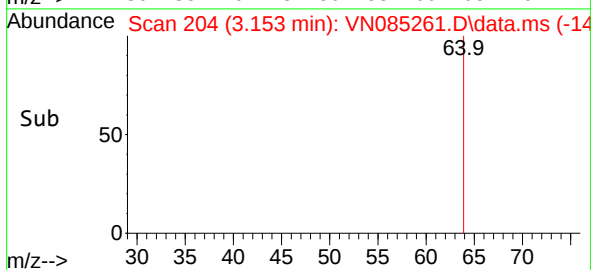
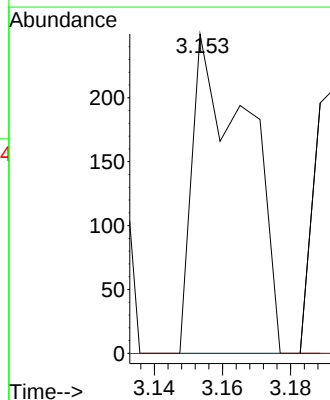
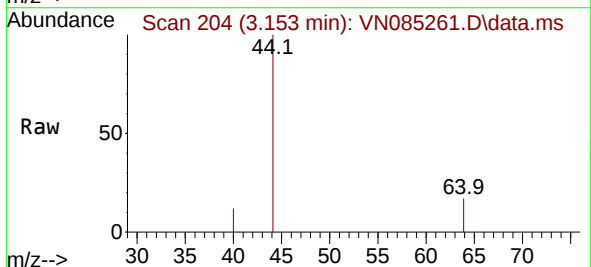
Instrument :
MSVOA_N
ClientSampleId :

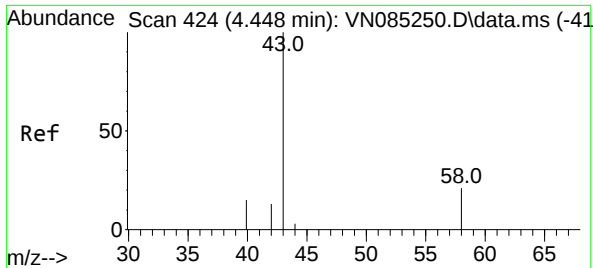
Tgt Ion: 94 Resp: 223
Ion Ratio Lower Upper
94 100
96 0.0 76.8 115.2#



#6
Chloroethane
Concen: Below Cal
RT: 3.153 min Scan# 204
Delta R.T. 0.041 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Tgt Ion: 64 Resp: 280
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#





#16

Acetone

Concen: 5.947 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.029 min

Lab File: VN085261.D

Acq: 18 Dec 2024 19:33

Instrument :

MSVOA_N

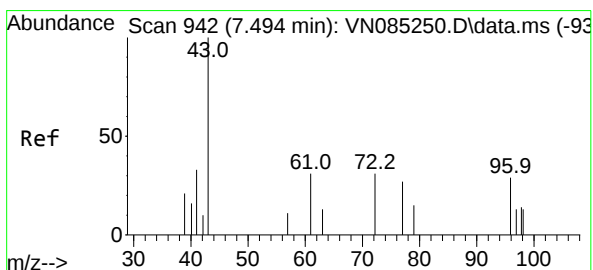
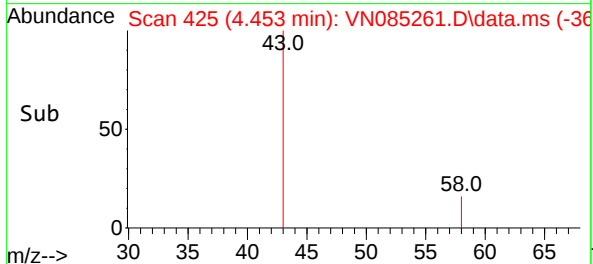
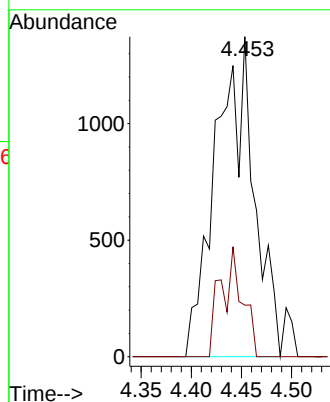
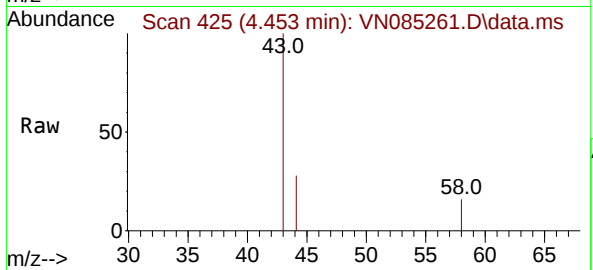
ClientSampleId :

Tgt Ion: 43 Resp: 3668

Ion Ratio Lower Upper

43 100

58 16.1 20.8 31.2#



#25

2-Butanone

Concen: 0.283 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.012 min

Lab File: VN085261.D

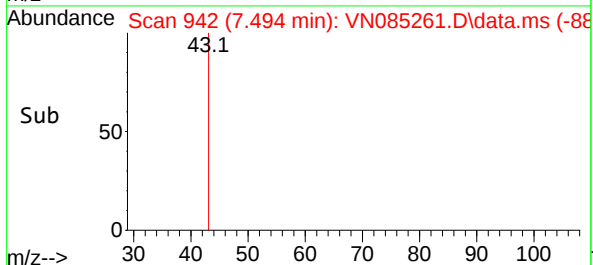
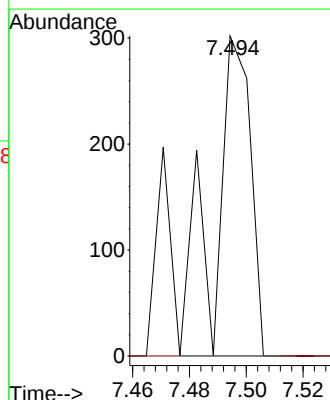
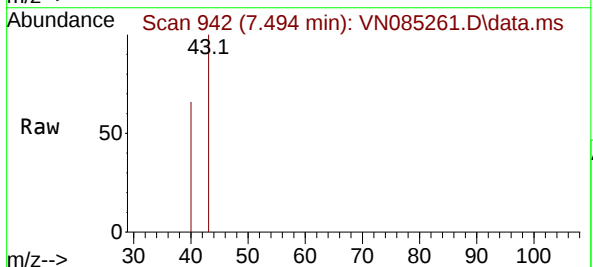
Acq: 18 Dec 2024 19:33

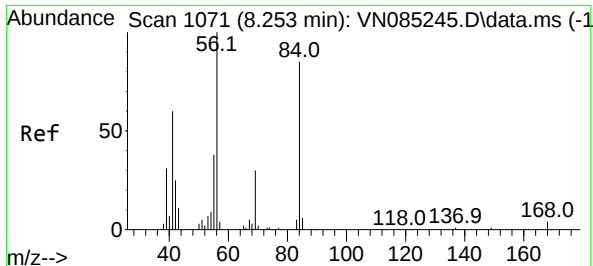
Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

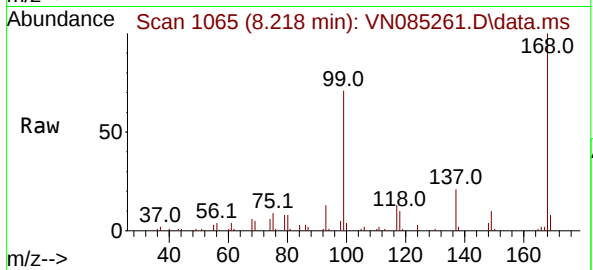
72 0.0 19.6 29.4#



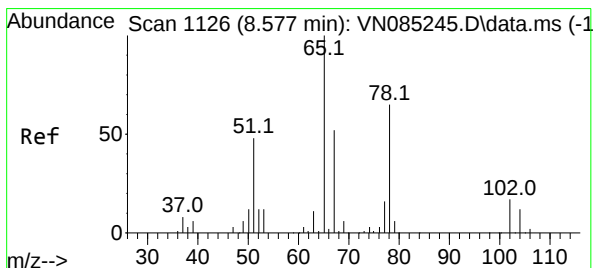
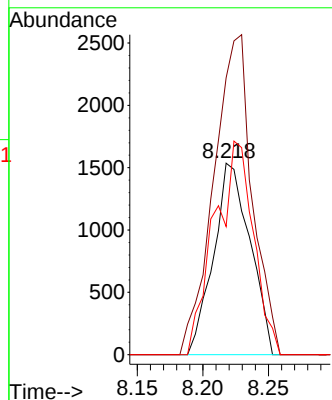
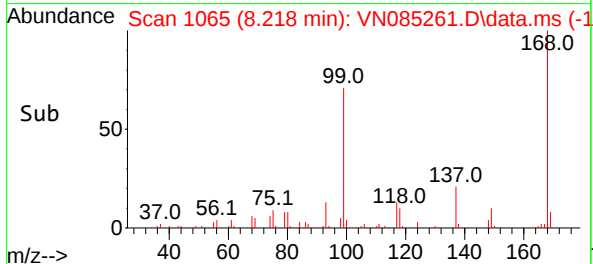


#31
Cyclohexane
Concen: 1.286 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Instrument :
MSVOA_N
ClientSampleId :

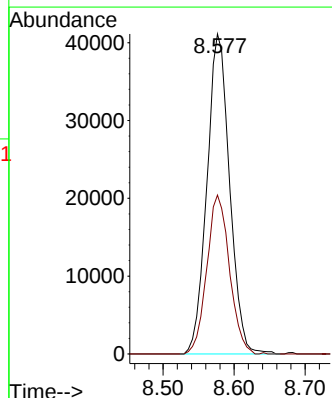
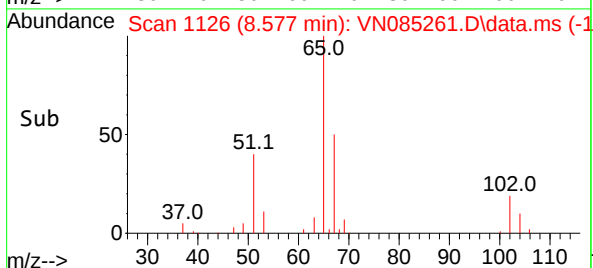
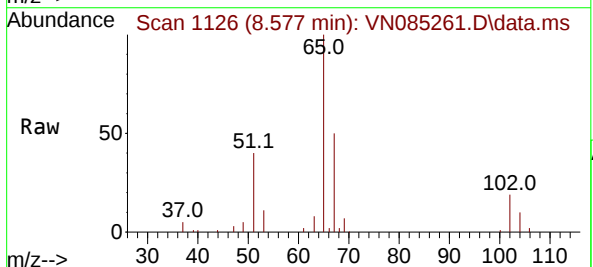


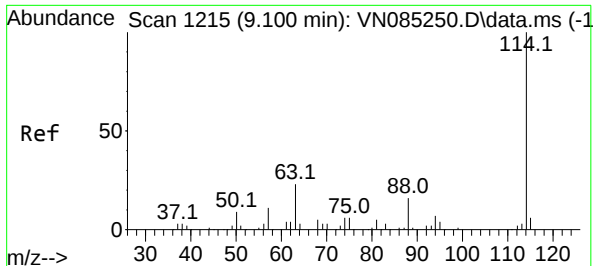
Tgt Ion: 56 Resp: 2973
Ion Ratio Lower Upper
56 100
69 144.6 23.6 35.4#
84 66.9 66.6 99.8



#33
1,2-Dichloroethane-d4
Concen: 51.038 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Tgt Ion: 65 Resp: 91200
Ion Ratio Lower Upper
65 100
67 49.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085261.D

Acq: 18 Dec 2024 19:33

Instrument :

MSVOA_N

ClientSampleId :

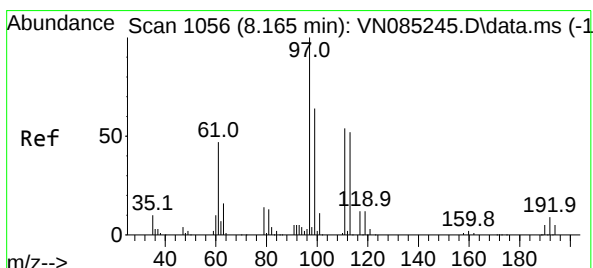
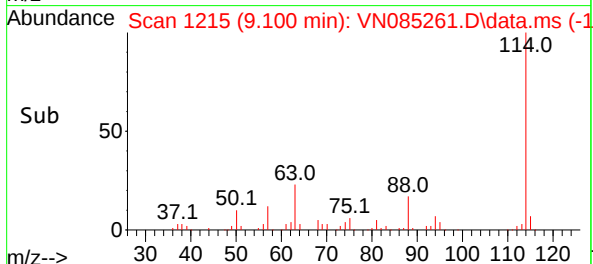
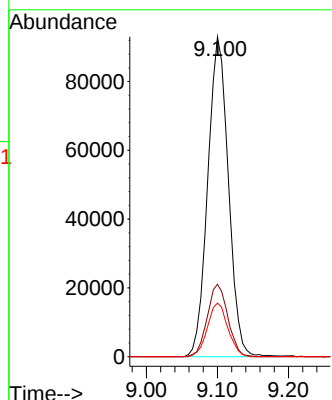
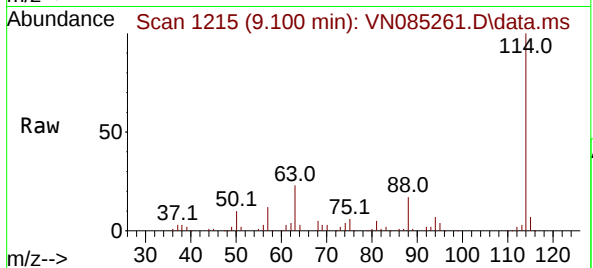
Tgt Ion:114 Resp: 187663

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.2

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.806 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN085261.D

Acq: 18 Dec 2024 19:33

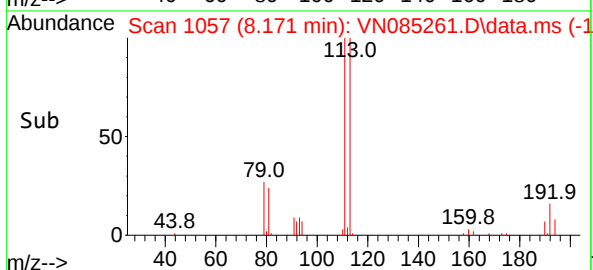
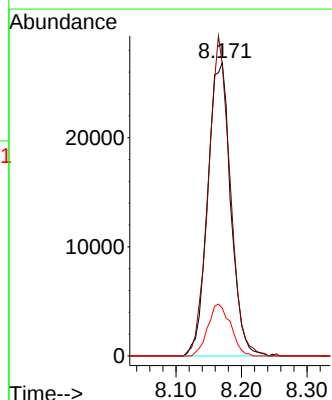
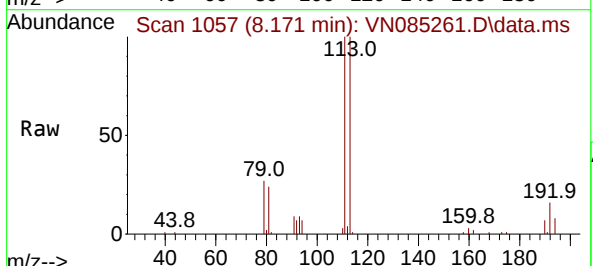
Tgt Ion:113 Resp: 65713

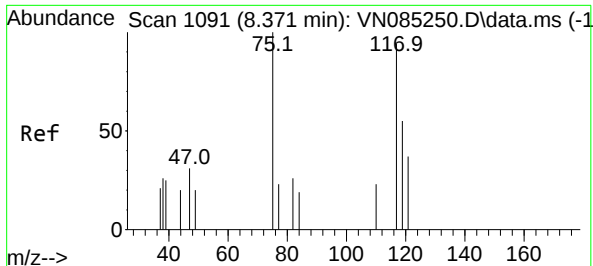
Ion Ratio Lower Upper

113 100

111 102.8 82.1 123.1

192 17.5 13.4 20.0





#36

1,1-Dichloropropene

Concen: 5.414 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

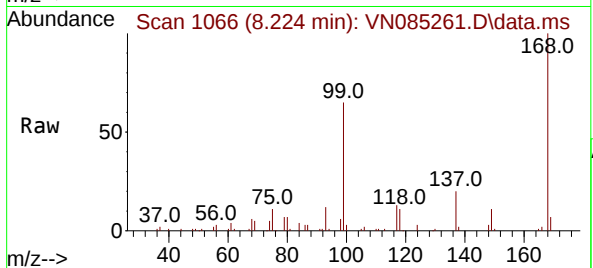
Lab File: VN085261.D

Acq: 18 Dec 2024 19:33

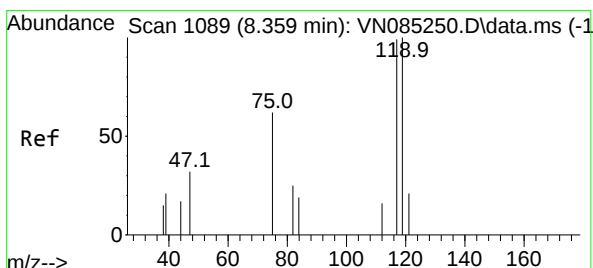
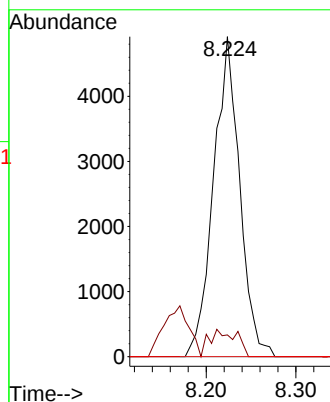
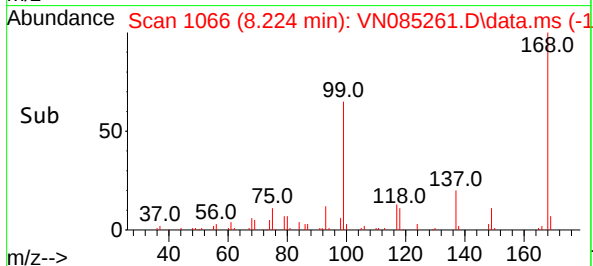
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 9946
Ion Ratio	Lower Upper
75	100
110	8.8 16.0 48.0#
77	0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.246 ug/l

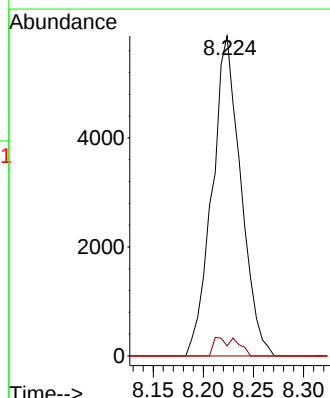
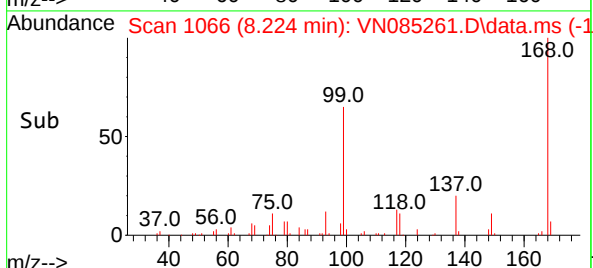
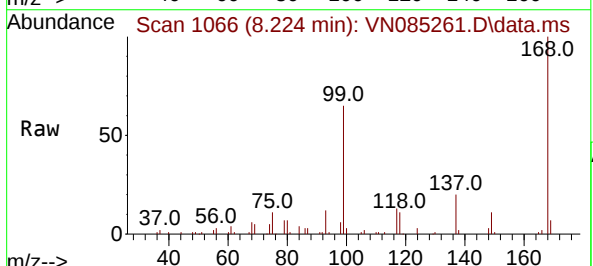
RT: 8.224 min Scan# 1066

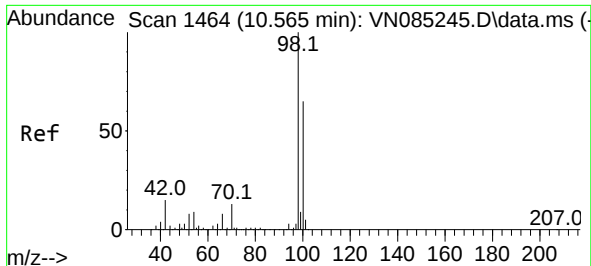
Delta R.T. -0.135 min

Lab File: VN085261.D

Acq: 18 Dec 2024 19:33

Tgt Ion: 117	Resp: 11653
Ion Ratio	Lower Upper
117	100
119	3.1 74.8 112.2#
121	0.0 24.2 36.4#

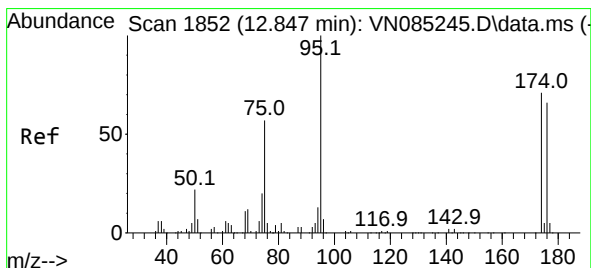
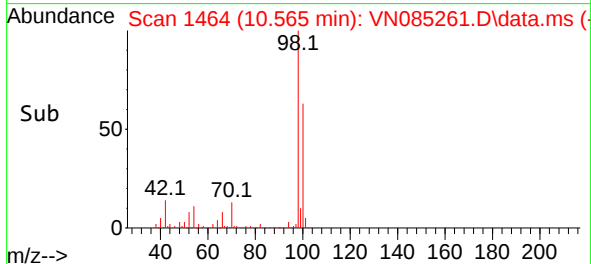
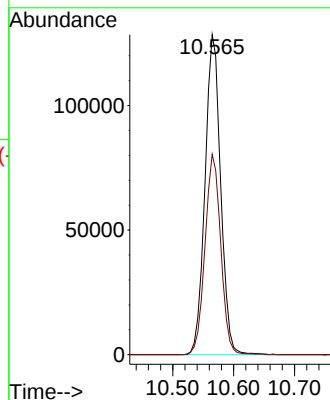
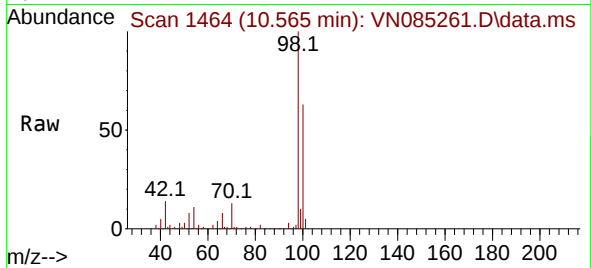




#50
Toluene-d8
Concen: 47.578 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

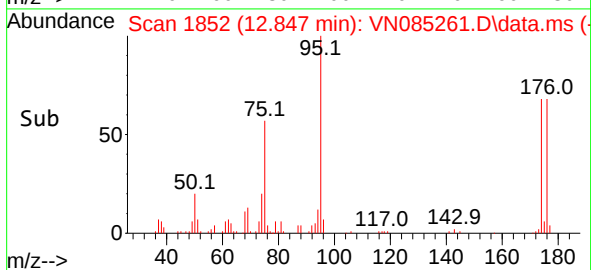
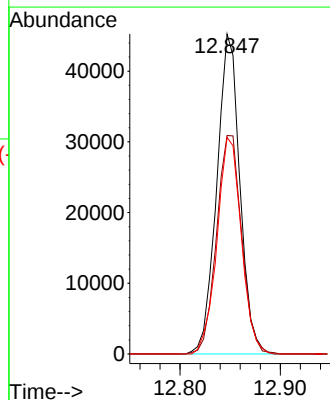
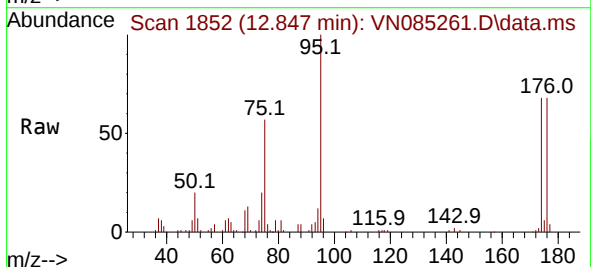
Instrument :
MSVOA_N
ClientSampleId :

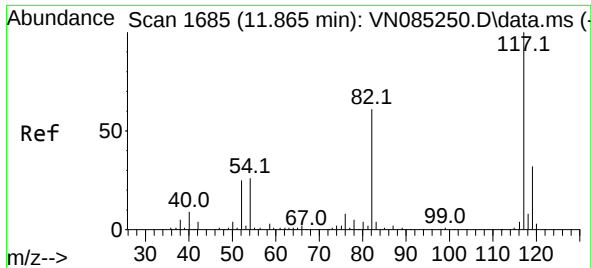
Tgt Ion: 98 Resp: 229435
Ion Ratio Lower Upper
98 100
100 62.9 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 42.002 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Tgt Ion: 95 Resp: 72343
Ion Ratio Lower Upper
95 100
174 74.1 0.0 144.4
176 71.1 0.0 136.6

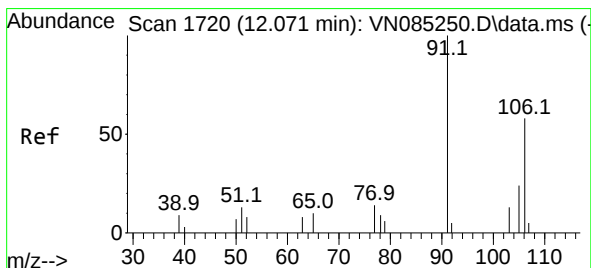
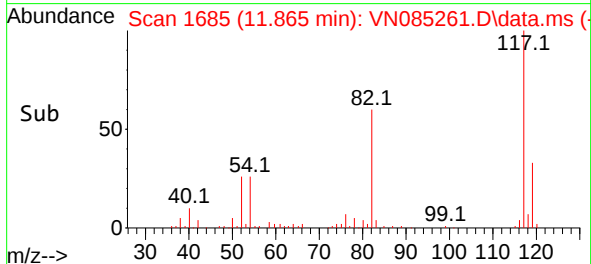
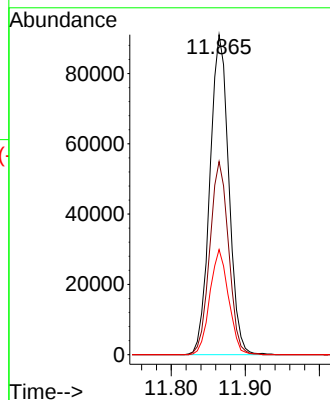
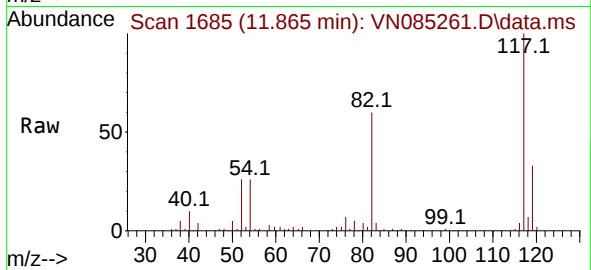




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

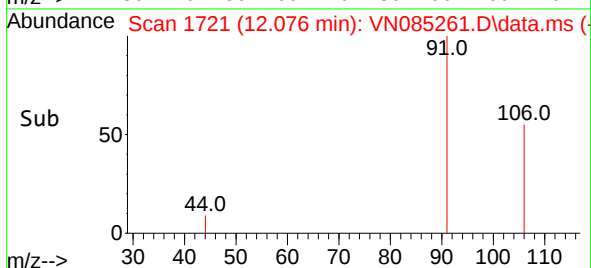
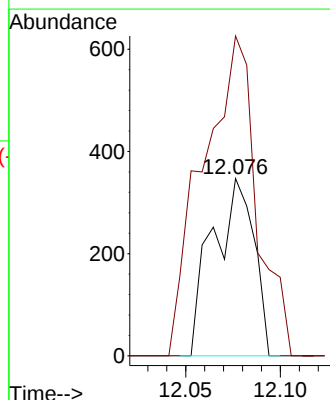
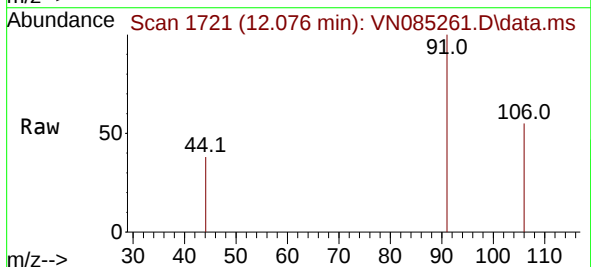
Instrument :
MSVOA_N
ClientSampleId :

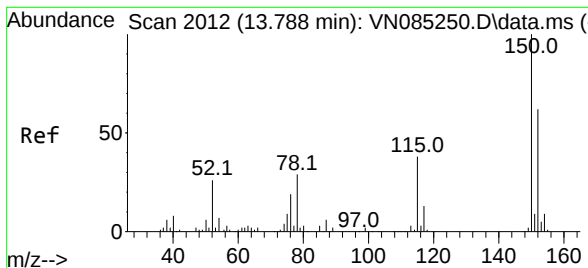
Tgt Ion:117 Resp: 161222
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 32.9 25.6 38.4



#68
m/p-Xylenes
Concen: 0.227 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Tgt Ion:106 Resp: 528
Ion Ratio Lower Upper
106 100
91 234.7 168.3 252.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min MSVOA_N

Lab File: VN085261.D

Acq: 18 Dec 2024 19:33

Instrument :

MSVOA_N

ClientSampleId :

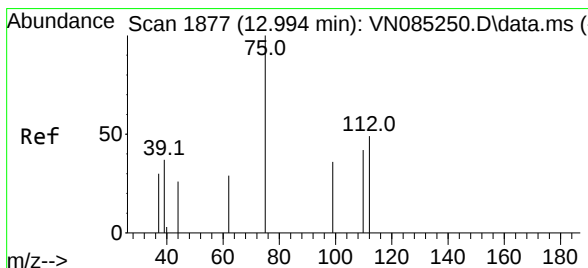
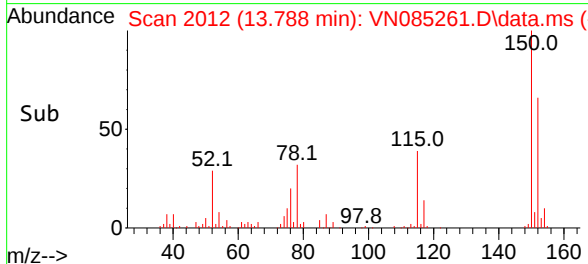
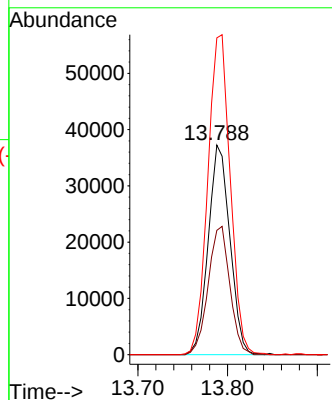
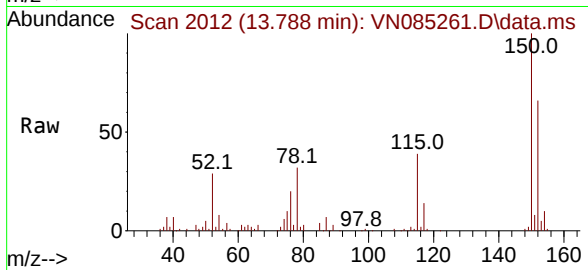
Tgt Ion:152 Resp: 62465

Ion Ratio Lower Upper

152 100

115 61.1 32.1 96.3

150 157.7 0.0 354.6



#76

1,2,3-Trichloropropane

Concen: 29.110 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085261.D

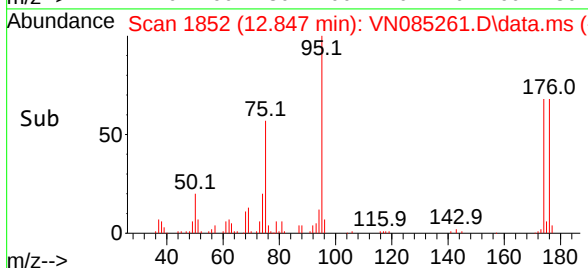
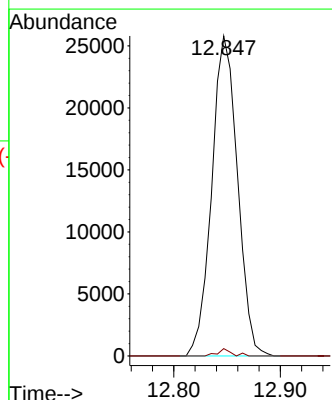
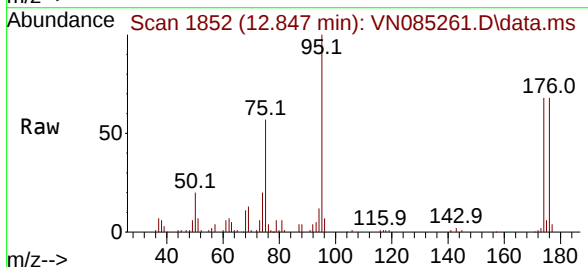
Acq: 18 Dec 2024 19:33

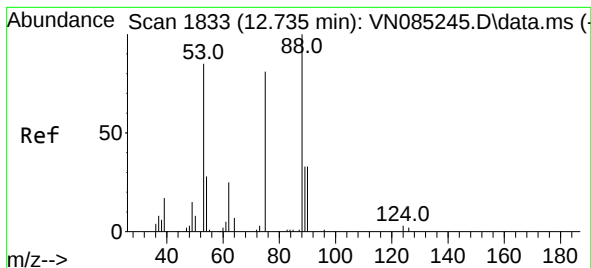
Tgt Ion: 75 Resp: 43344

Ion Ratio Lower Upper

75 100

77 1.2 102.6 307.7#

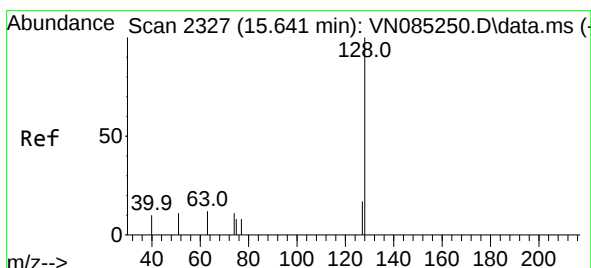
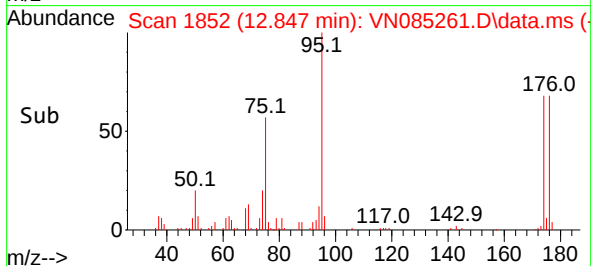
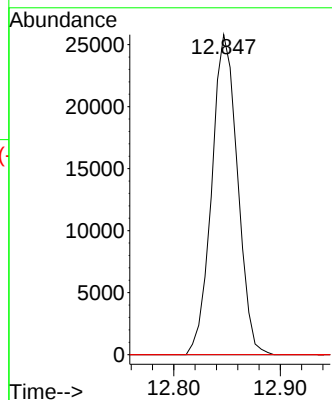
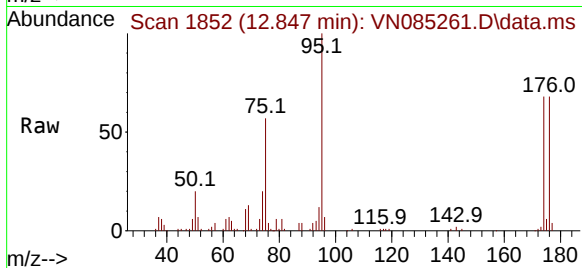




#81
trans-1,4-Dichloro-2-butene
Concen: 77.297 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 43344
Ion Ratio Lower Upper
75 100
53 0.0 84.9 127.3#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 0.605 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Tgt Ion:128 Resp: 2080
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.8 8.6 13.0#

