

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
 Data File : VN084342.D
 Acq On : 08 Oct 2024 11:43
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 02:26:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:21:08 2024
 Response via : Initial Calibration

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

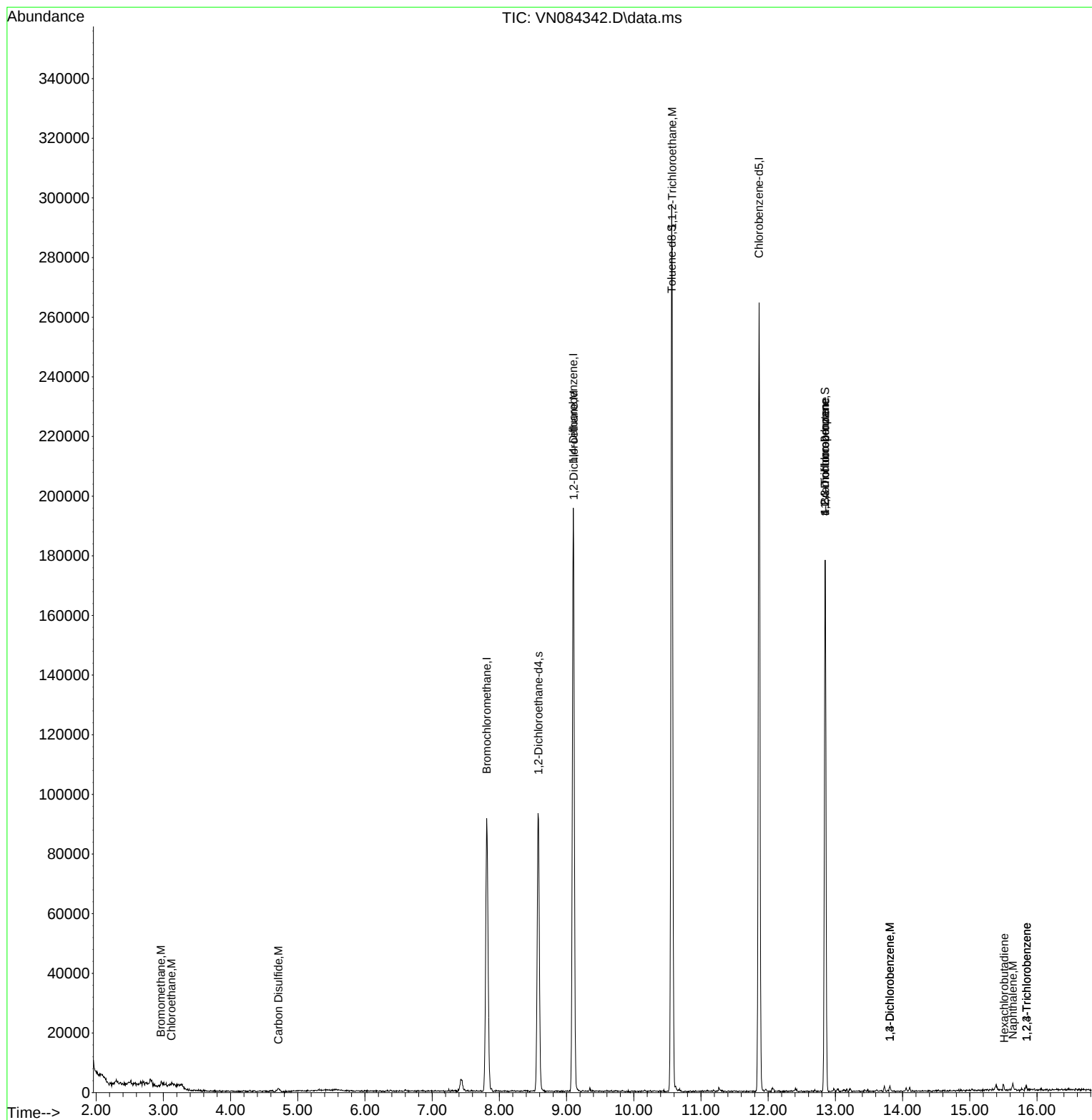
Internal Standards						
1) Bromochloromethane	7.812	128	31230	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	163026	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	146809	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	77525	30.834	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.767%
60) 4-Bromofluorobenzene	12.847	95	62466	25.781	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.933%
63) Toluene-d8	10.565	98	203214	29.879	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	342	0.243	ug/l #	54
6) Chloroethane	3.118	64	317	0.227	ug/l #	40
16) Carbon Disulfide	4.712	76	2534	0.438	ug/l #	75
36) 1,2-Dichloroethane	9.106	62	5823	2.085	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	6307	3.286	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	33363	14.447	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	33363	33.809	ug/l #	12
83) 1,3-Dichlorobenzene	13.812	146	950	0.242	ug/l	94
84) 1,4-Dichlorobenzene	13.812	146	950	0.244	ug/l	92
89) 1,2,4-Trichlorobenzene	15.847	180	625	0.317	ug/l #	80
90) Hexachlorobutadiene	15.511	225	558	0.611	ug/l	60
91) Naphthalene	15.641	128	2772	0.415	ug/l #	80
92) 1,2,3-Trichlorobenzene	15.847	180	625	0.317	ug/l	80

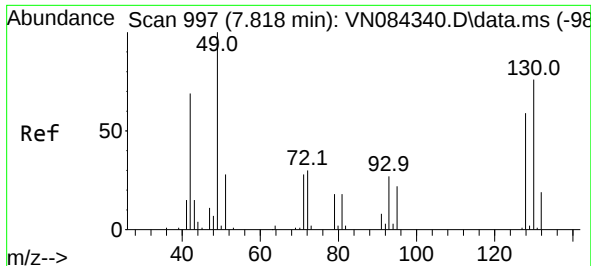
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100824\
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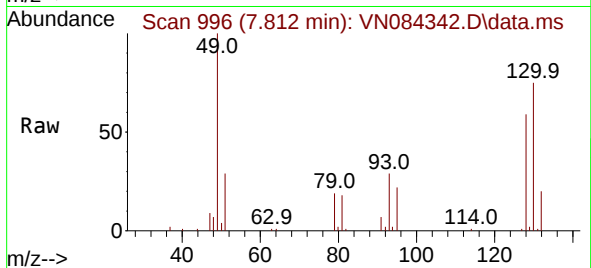
Quant Time: Oct 09 02:26:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:21:08 2024
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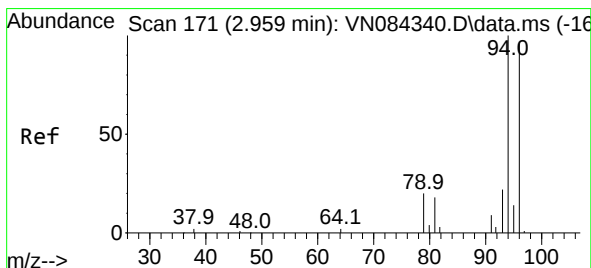
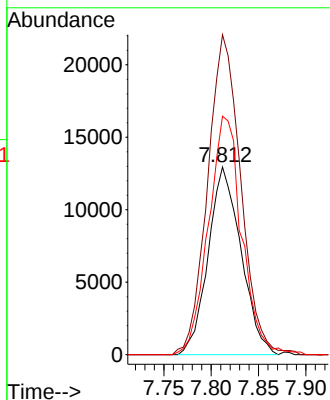
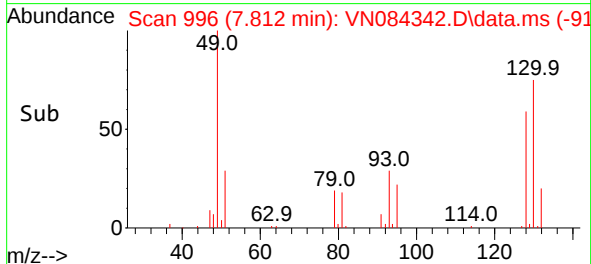


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

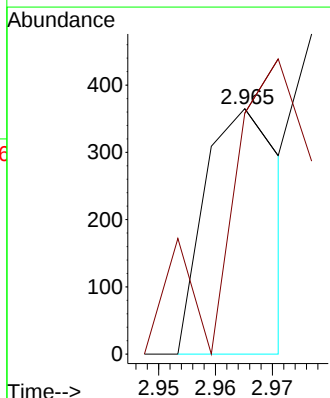
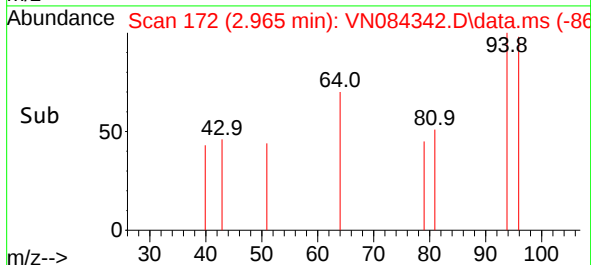
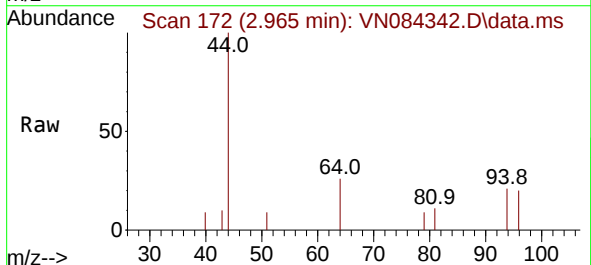


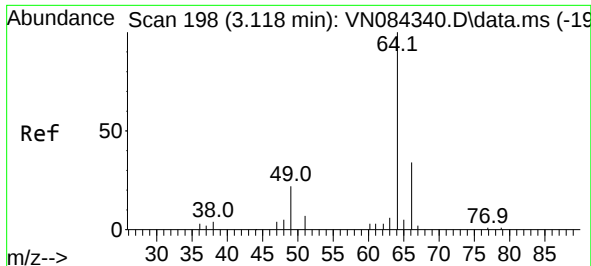
Tgt Ion:128 Resp: 31230
Ion Ratio Lower Upper
128 100
49 171.4 0.0 430.0
130 129.3 0.0 329.8



#5
Bromomethane
Concen: 0.243 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.006 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

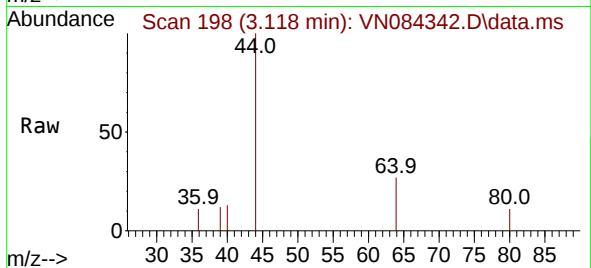
Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 51.0 76.7 115.1#



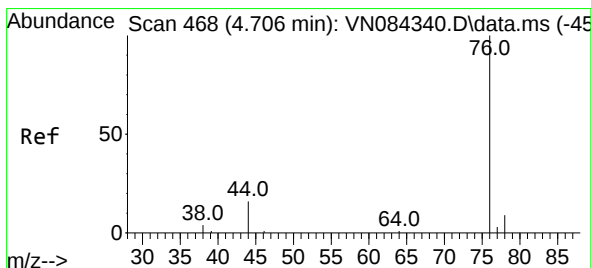
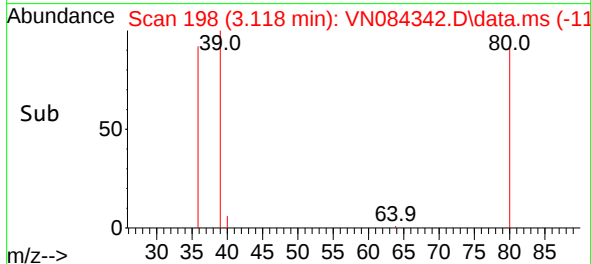
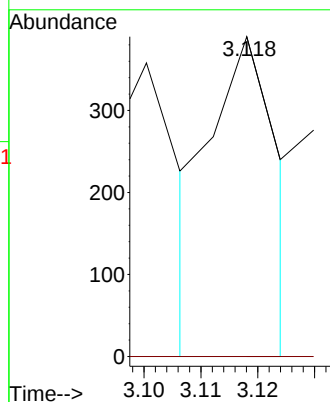


#6
Chloroethane
Concen: 0.227 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.000 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

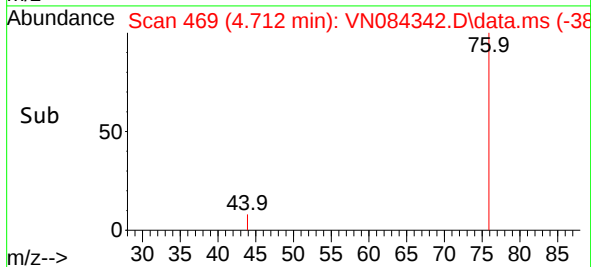
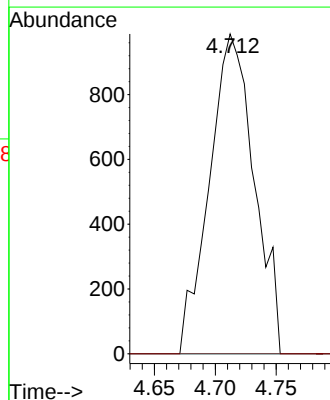
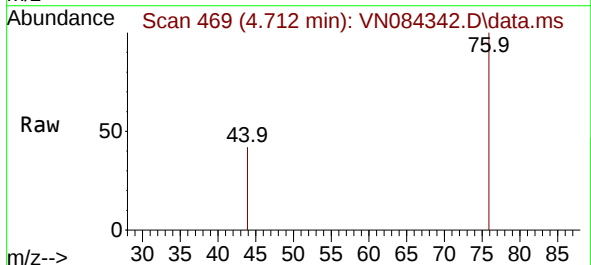


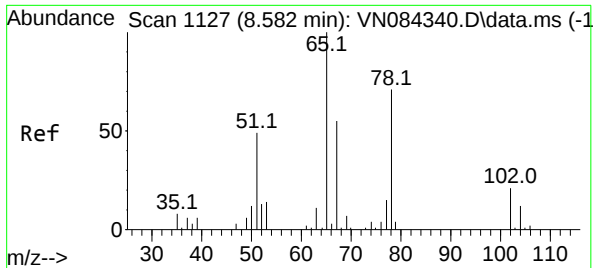
Tgt Ion: 64 Resp: 317
Ion Ratio Lower Upper
64 100
66 0.0 27.7 41.5#



#16
Carbon Disulfide
Concen: 0.438 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

Tgt Ion: 76 Resp: 2534
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#

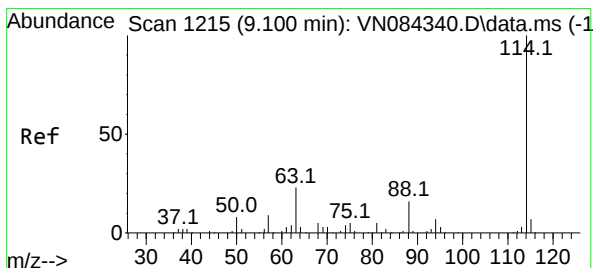
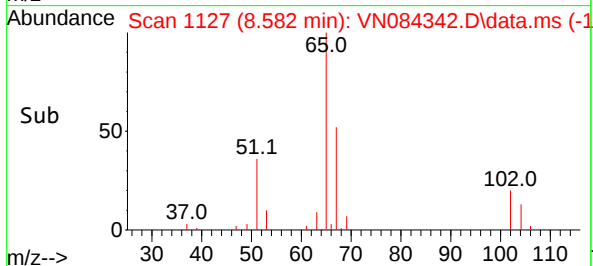
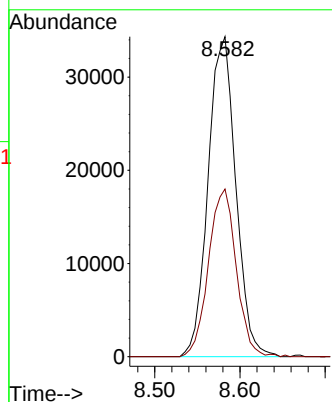
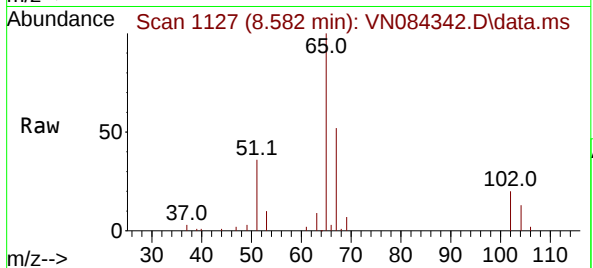




#27
 1,2-Dichloroethane-d4
 Concen: 30.834 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN084342.D
 Acq: 08 Oct 2024 11:43

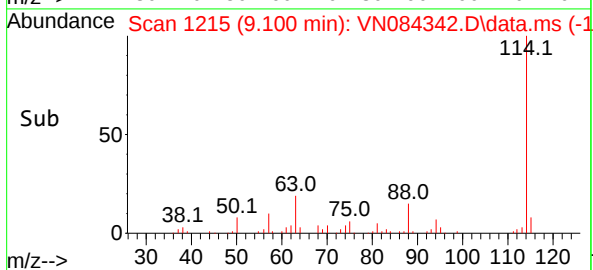
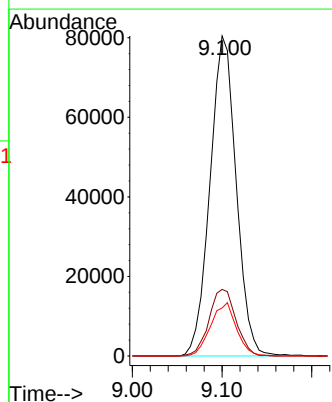
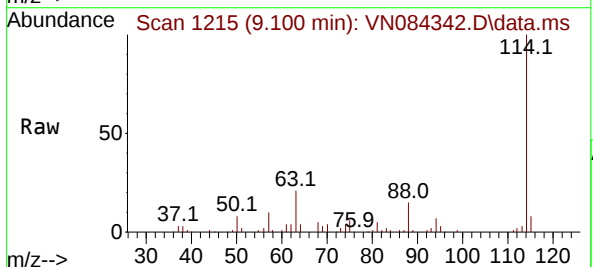
Instrument :
 MSVOA_N
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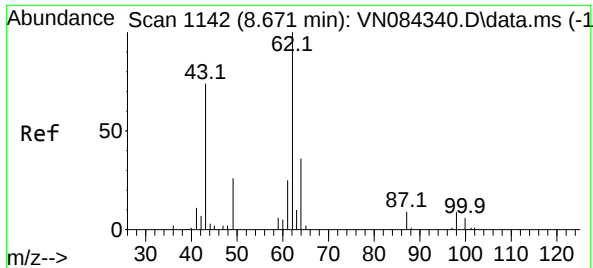
Tgt Ion: 65 Resp: 77525
 Ion Ratio Lower Upper
 65 100
 67 52.3 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084342.D
 Acq: 08 Oct 2024 11:43

Tgt Ion: 114 Resp: 163026
 Ion Ratio Lower Upper
 114 100
 63 21.4 17.4 26.0
 88 16.3 13.2 19.8

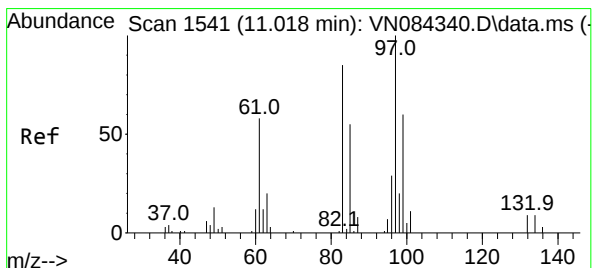
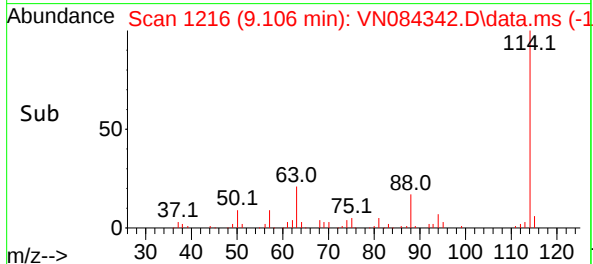
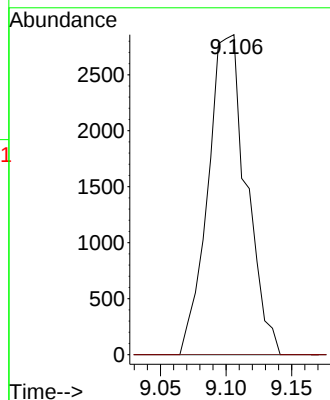
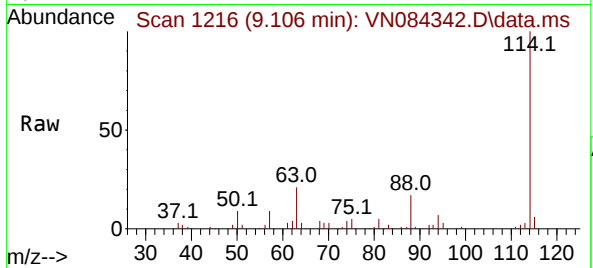




#36
 1,2-Dichloroethane
 Concen: 2.085 ug/l
 RT: 9.106 min Scan# 1142
 Delta R.T. 0.435 min
 Lab File: VN084342.D
 Acq: 08 Oct 2024 11:43

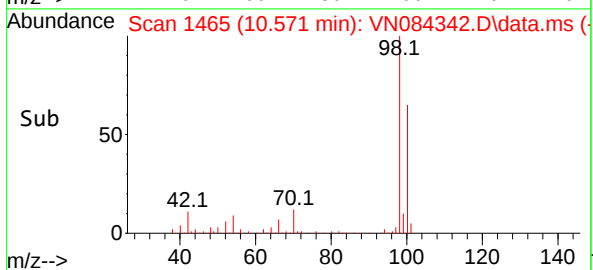
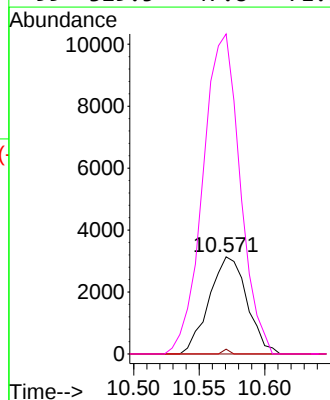
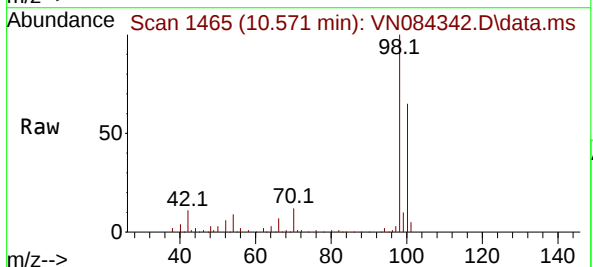
Instrument :
 MSVOA_N
 ClientSampleId :

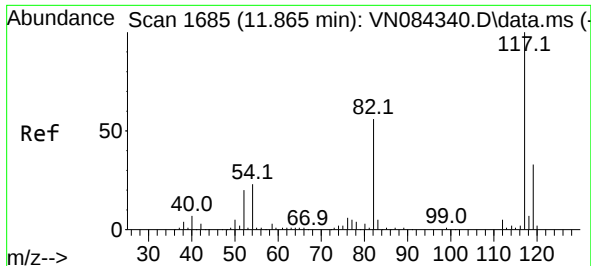
Tgt Ion: 62 Resp: 5823
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.3 10.9#



#50
 1,1,2-Trichloroethane
 Concen: 3.286 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. -0.447 min
 Lab File: VN084342.D
 Acq: 08 Oct 2024 11:43

Tgt Ion: 97 Resp: 6307
 Ion Ratio Lower Upper
 97 100
 83 4.9 67.8 101.8#
 85 0.0 44.2 66.2#
 99 329.5 47.8 71.8#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084342.D

Acq: 08 Oct 2024 11:43

Instrument :

MSVOA_N

ClientSampleId :

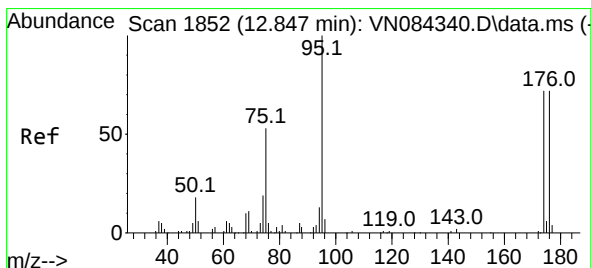
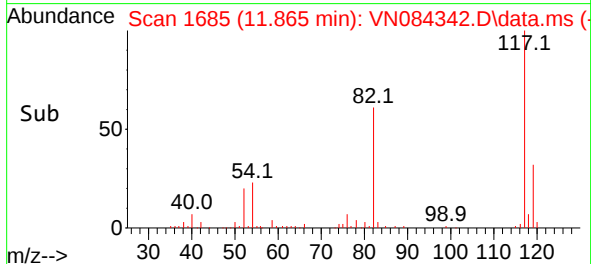
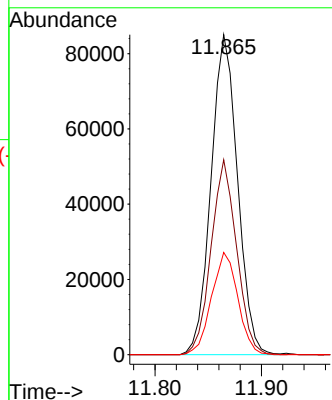
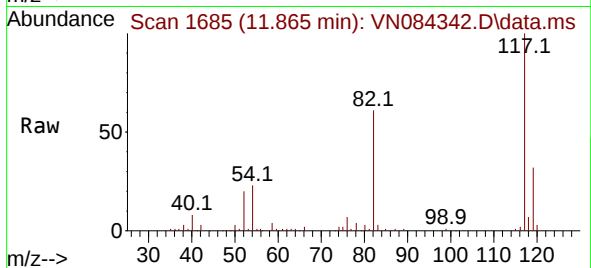
Tgt Ion:117 Resp: 146809

Ion Ratio Lower Upper

117 100

82 58.7 46.2 69.4

119 31.8 25.4 38.2



#60

4-Bromofluorobenzene

Concen: 25.781 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084342.D

Acq: 08 Oct 2024 11:43

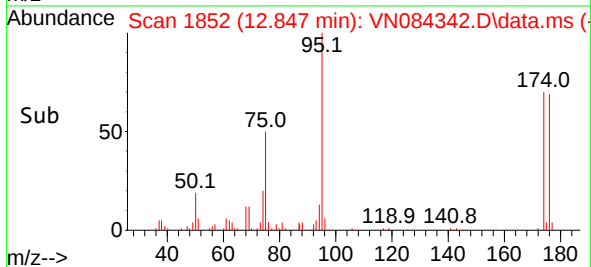
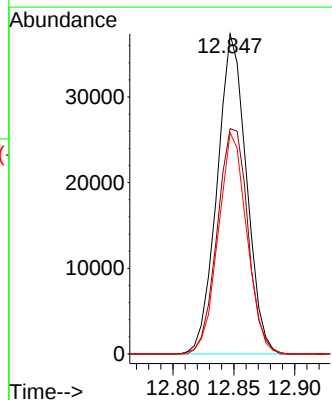
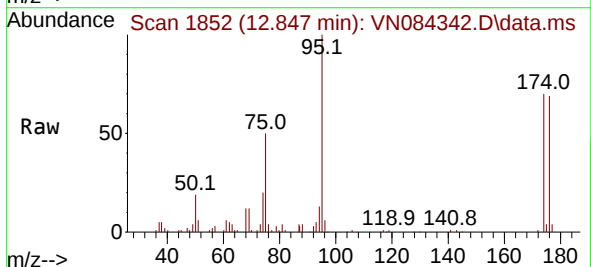
Tgt Ion: 95 Resp: 62466

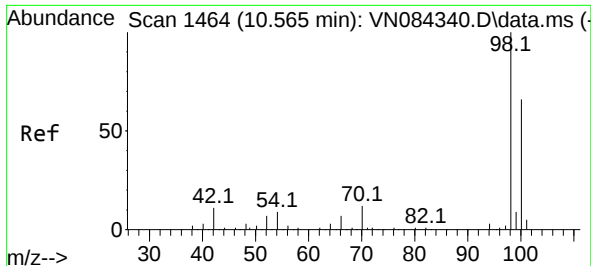
Ion Ratio Lower Upper

95 100

174 73.8 58.2 87.2

176 67.7 56.4 84.6

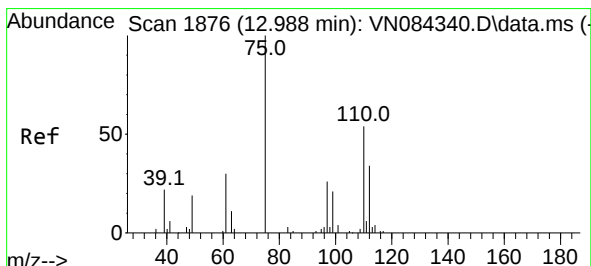
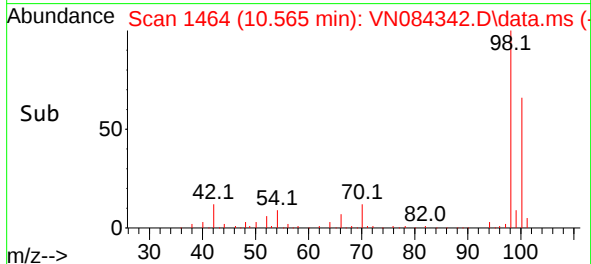
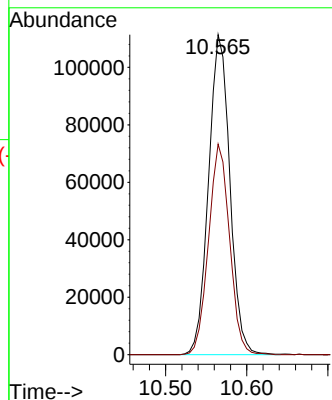
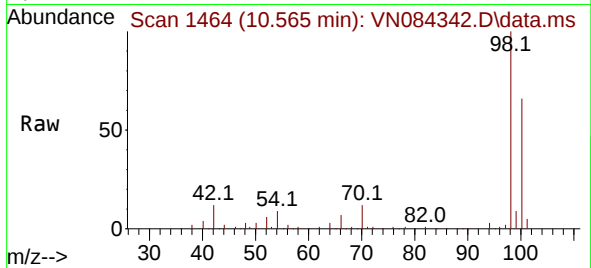




#63
Toluene-d8
Concen: 29.879 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

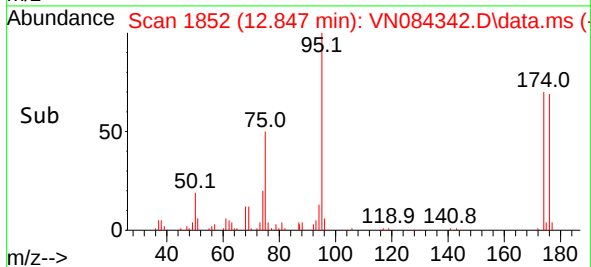
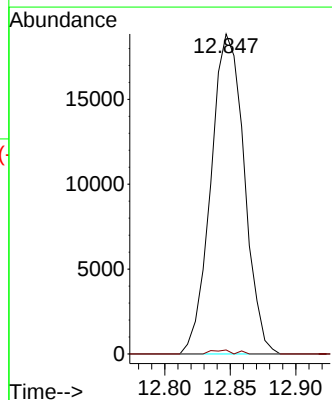
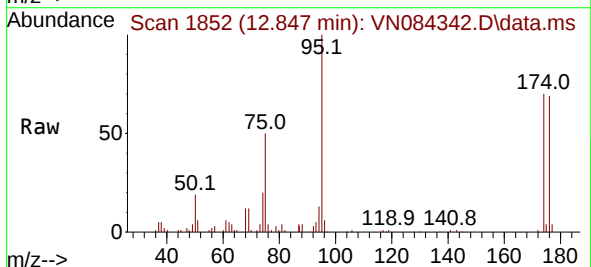
Instrument :
MSVOA_N
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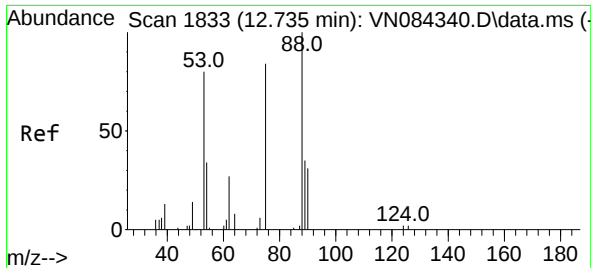
Tgt Ion: 98 Resp: 203214
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 14.447 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

Tgt Ion: 75 Resp: 33363
Ion Ratio Lower Upper
75 100
77 0.6 0.0 414.0

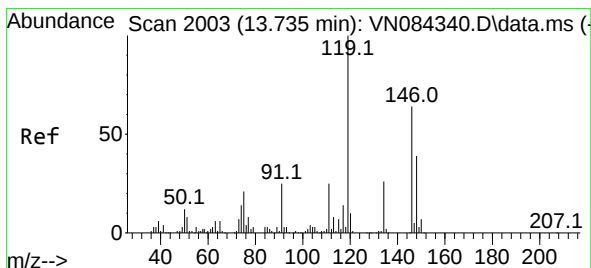
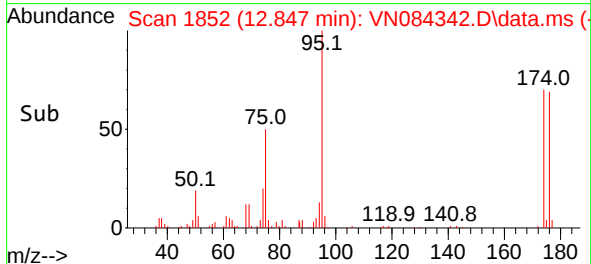
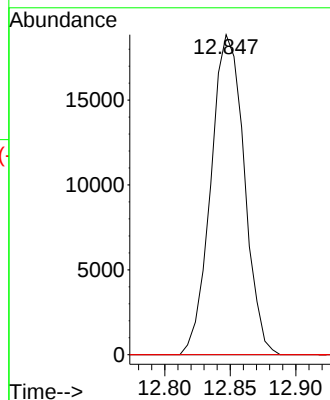
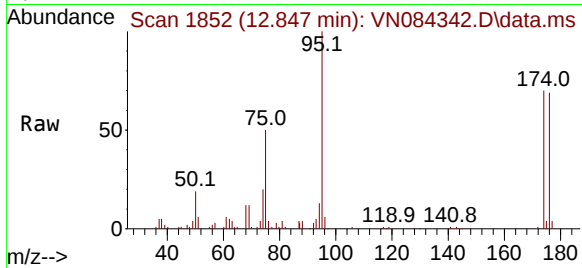




#77
t-1,4-Dichloro-2-butene
Concen: 33.809 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

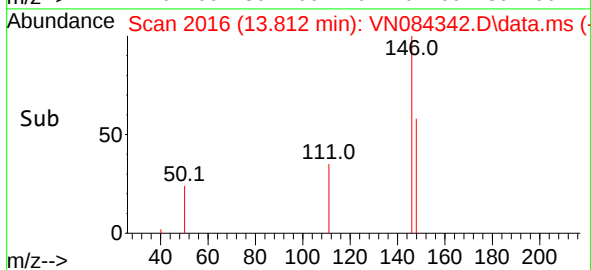
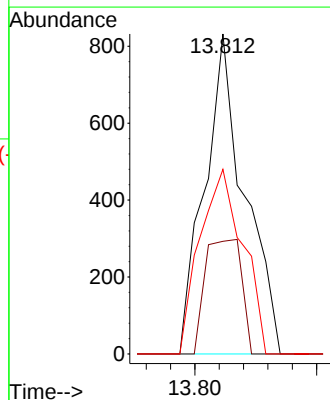
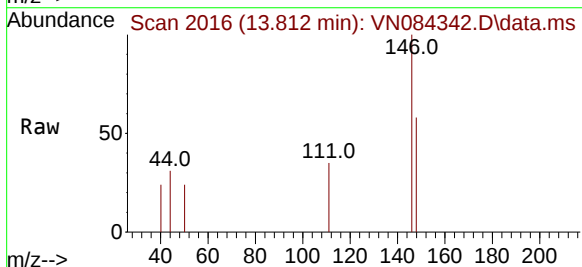
Instrument :
MSVOA_N
ClientSampleId :

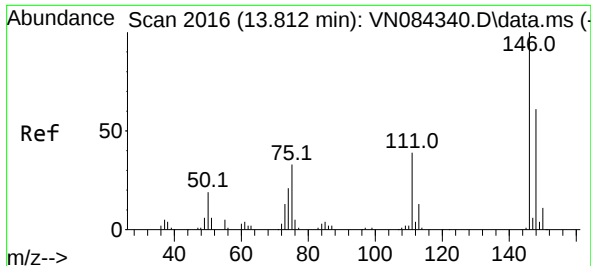
Tgt Ion: 75 Resp: 33363
Ion Ratio Lower Upper
75 100
53 0.0 47.3 142.0#
89 0.0 22.9 68.8#



#83
1,3-Dichlorobenzene
Concen: 0.242 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.076 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

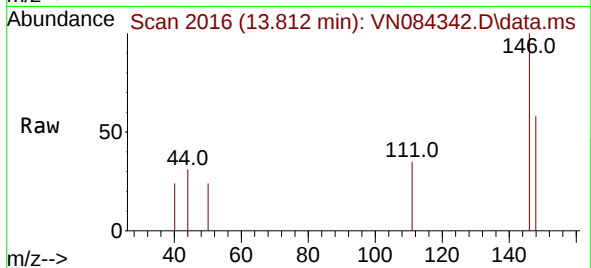
Tgt Ion:146 Resp: 950
Ion Ratio Lower Upper
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111 32.5 20.6 61.9
148 61.9 31.6 94.7



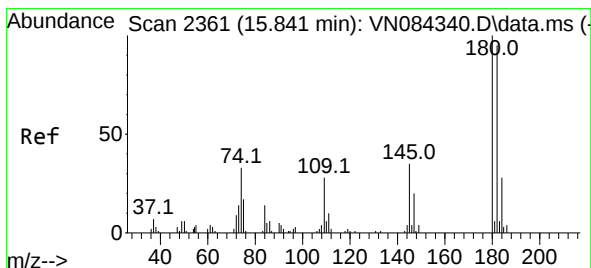
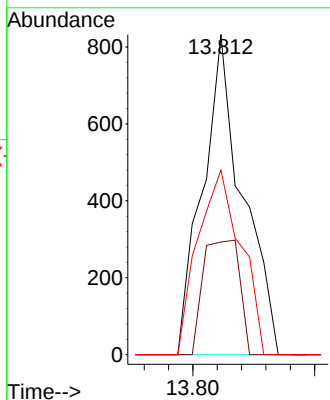
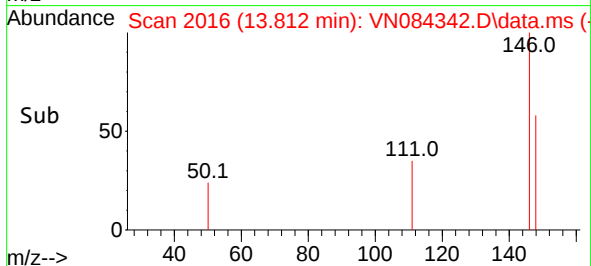


#84
1,4-Dichlorobenzene
Concen: 0.244 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

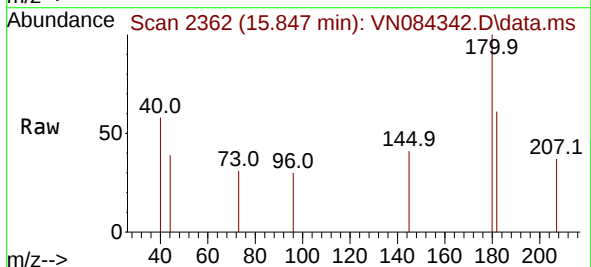
Instrument :
MSVOA_N
ClientSampleId :



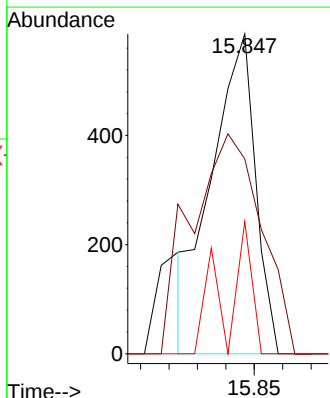
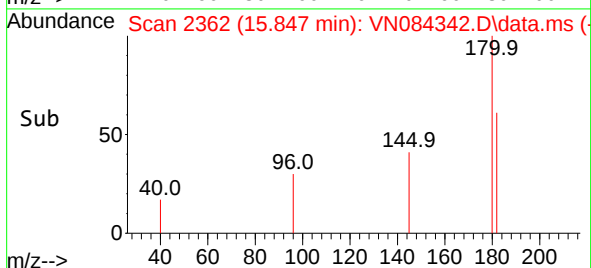
Tgt Ion:	146	Resp:	950
Ion	Ratio	Lower	Upper
146	100		
111	32.5	20.5	61.5
148	61.9	32.5	97.4

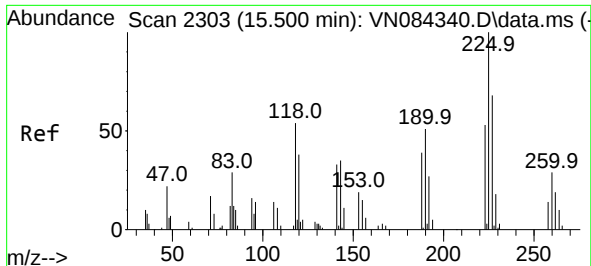


#89
1,2,4-Trichlorobenzene
Concen: 0.317 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43



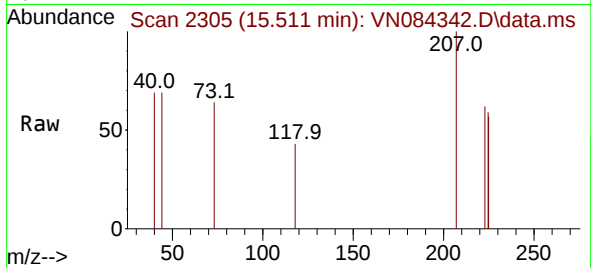
Tgt Ion:	180	Resp:	625
Ion	Ratio	Lower	Upper
180	100		
182	110.9	77.8	116.6
145	13.6	28.9	43.3



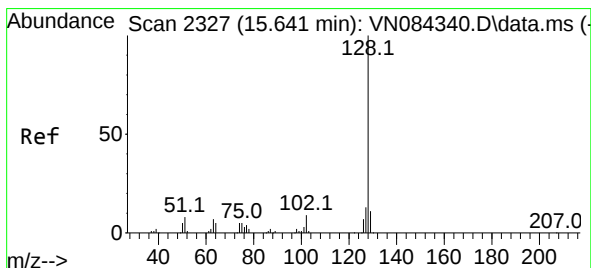
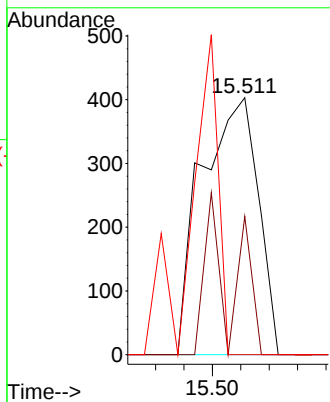
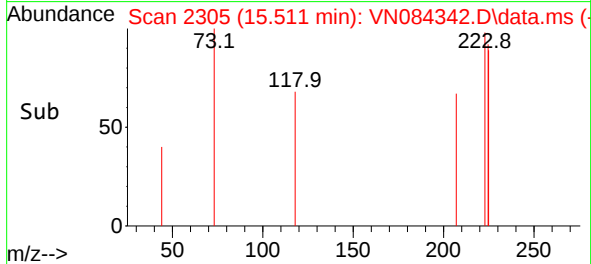


#90
Hexachlorobutadiene
Concen: 0.611 ug/l
RT: 15.511 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

Instrument :
MSVOA_N
ClientSampleId :

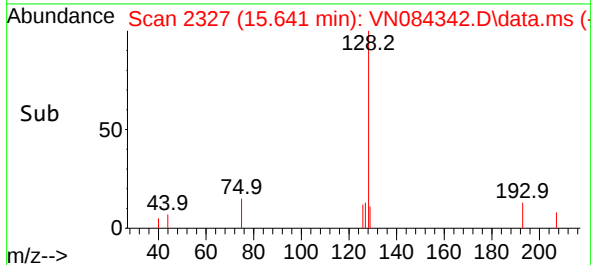
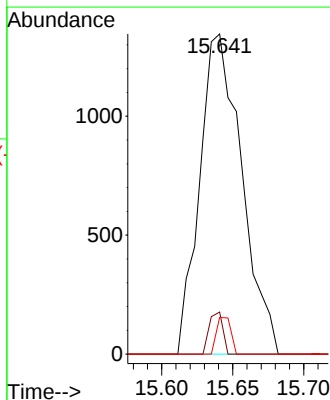
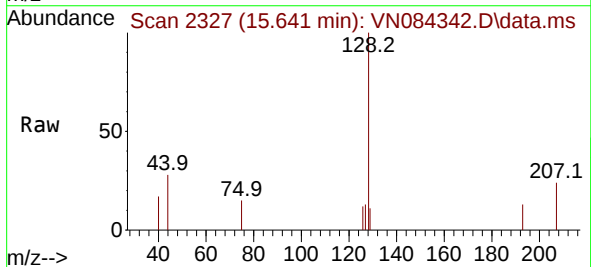


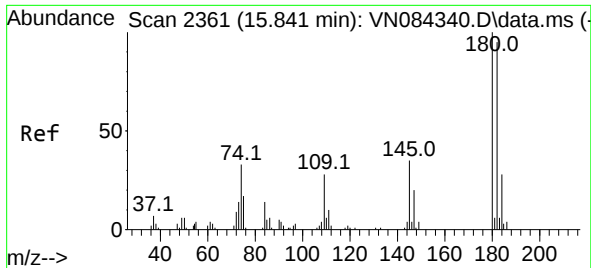
Tgt Ion:225 Resp: 558
Ion Ratio Lower Upper
225 100
223 16.1 0.0 124.0
227 48.9 0.0 130.8



#91
Naphthalene
Concen: 0.415 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN084342.D
Acq: 08 Oct 2024 11:43

Tgt Ion:128 Resp: 2772
Ion Ratio Lower Upper
128 100
127 4.3 10.3 15.5#
129 3.9 8.8 13.2#





#92

1,2,3-Trichlorobenzene

Concen: 0.317 ug/l

RT: 15.847 min Scan# 21

Delta R.T. 0.006 min

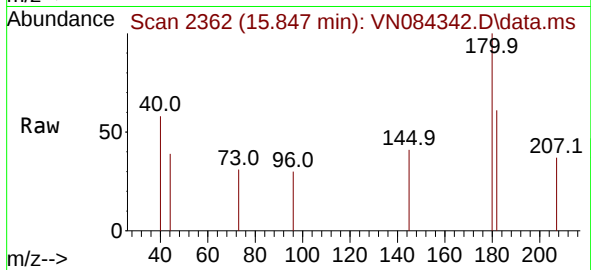
Lab File: VN084342.D

Acq: 08 Oct 2024 11:43

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 625

Ion Ratio Lower Upper

180 100

182 110.9 0.0 194.4

145 13.6 0.0 72.2

