

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101524\
 Data File : VN084415.D
 Acq On : 15 Oct 2024 14:49
 Operator : JC\MD
 Sample : VN1015WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 16 01:24:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

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

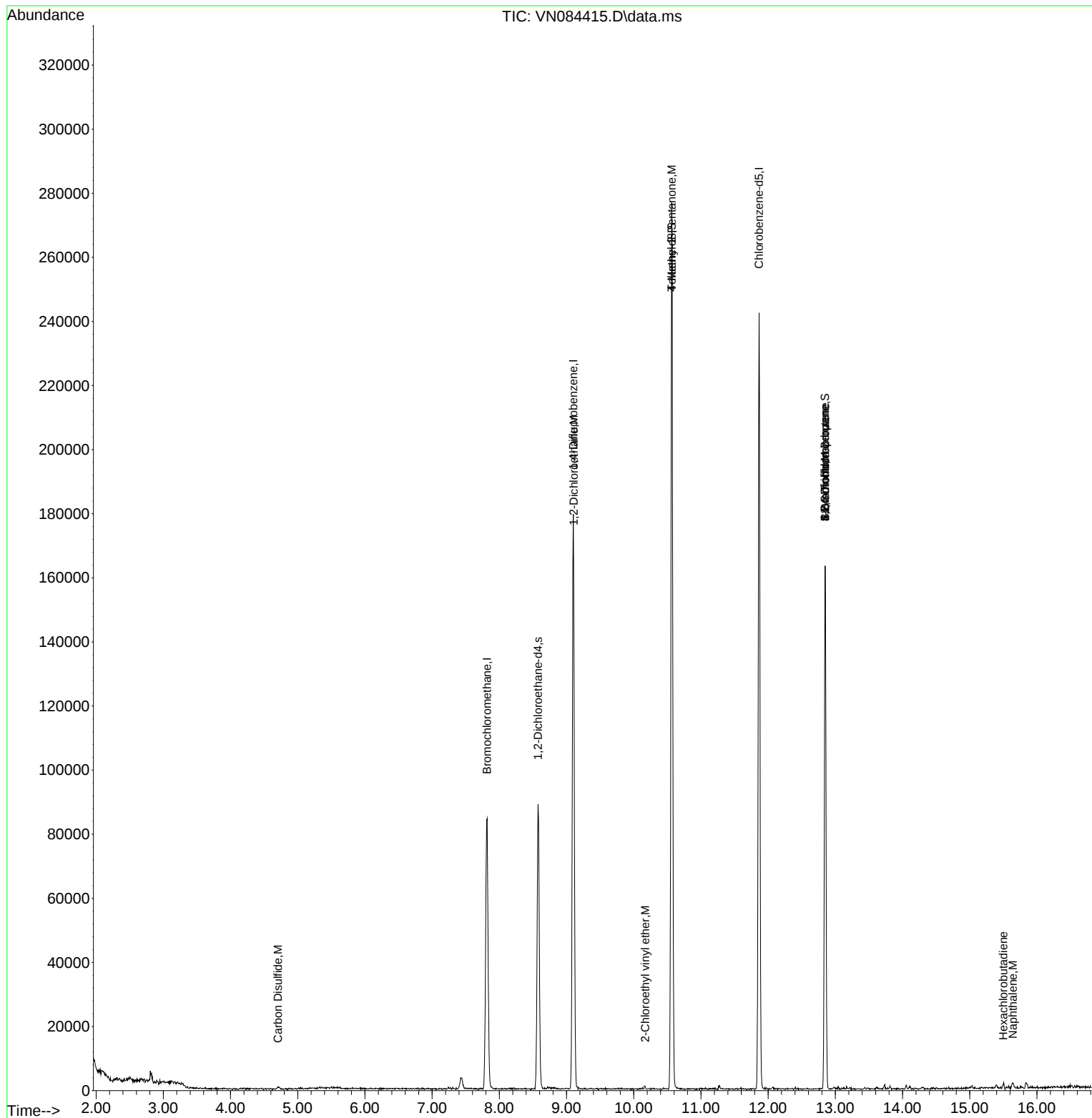
Internal Standards						
1) Bromochloromethane	7.818	128	30460	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	150583	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	139321	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73341	29.907	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.700%
60) 4-Bromofluorobenzene	12.847	95	57202	24.877	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.933%
63) Toluene-d8	10.565	98	187559	29.060	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.867%
Target Compounds						
					Qvalue	
16) Carbon Disulfide	4.707	76	1280	0.227	ug/l #	75
36) 1,2-Dichloroethane	9.106	62	5726	2.220	ug/l #	75
55) 2-Chloroethyl vinyl ether	10.171	63	574	0.432	ug/l #	45
56) Bromoform	12.847	173	470	0.338	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	843	0.325	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	30755	14.034	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30755	32.841	ug/l #	12
90) Hexachlorobutadiene	15.500	225	533	0.615	ug/l #	51
91) Naphthalene	15.641	128	2501	0.394	ug/l #	80

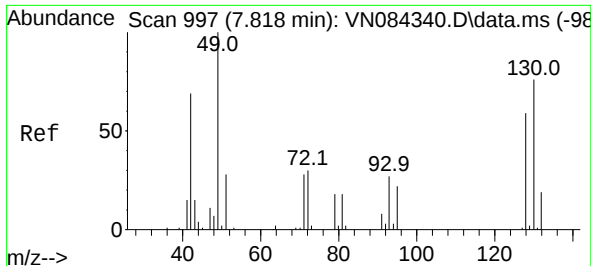
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101524\
Data File : VN084415.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 16 01:24:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 09 02:22:28 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 997

Delta R.T. 0.000 min

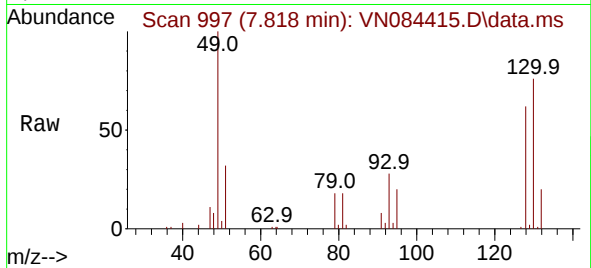
Lab File: VN084415.D

Acq: 15 Oct 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :



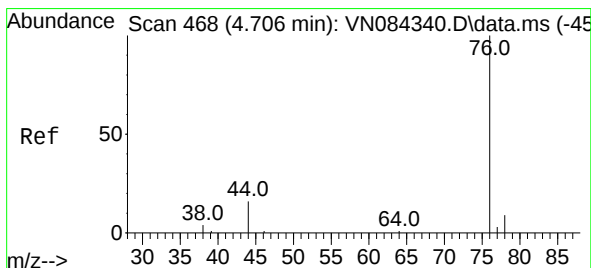
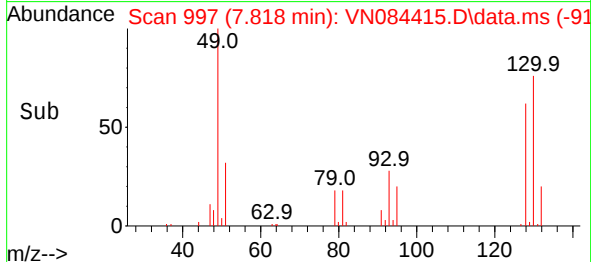
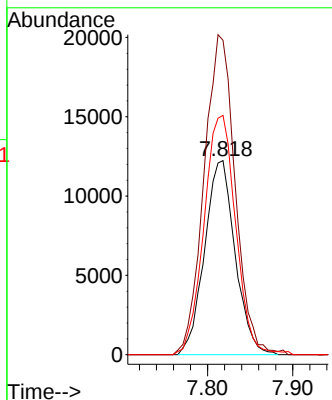
Tgt Ion:128 Resp: 30460

Ion Ratio Lower Upper

128 100

49 167.8 0.0 430.0

130 128.0 0.0 329.8



#16

Carbon Disulfide

Concen: 0.227 ug/l

RT: 4.707 min Scan# 468

Delta R.T. 0.000 min

Lab File: VN084415.D

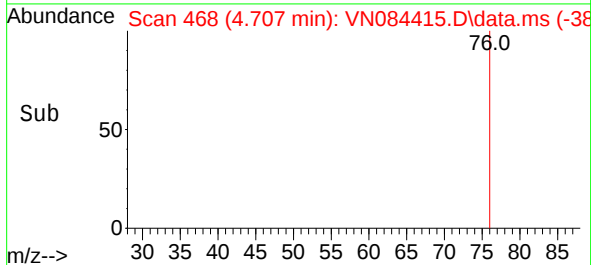
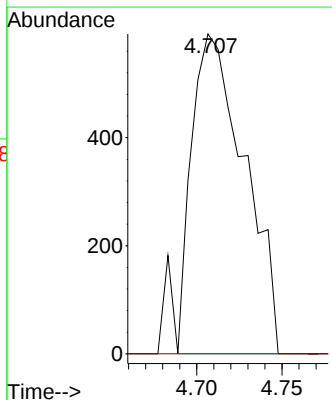
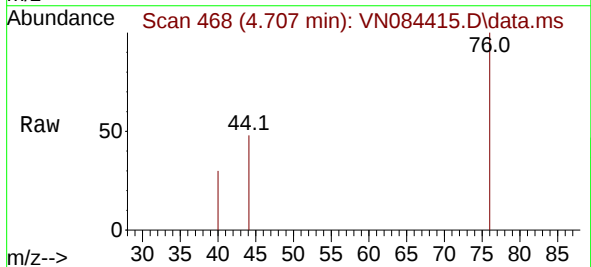
Acq: 15 Oct 2024 14:49

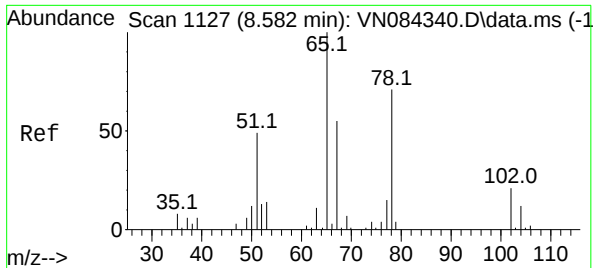
Tgt Ion: 76 Resp: 1280

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

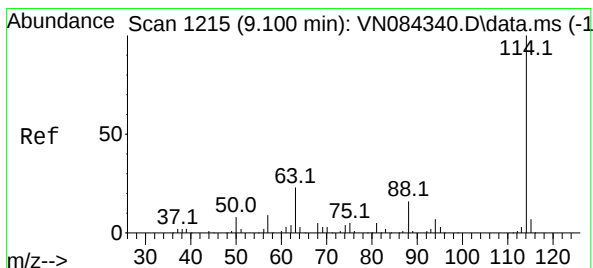
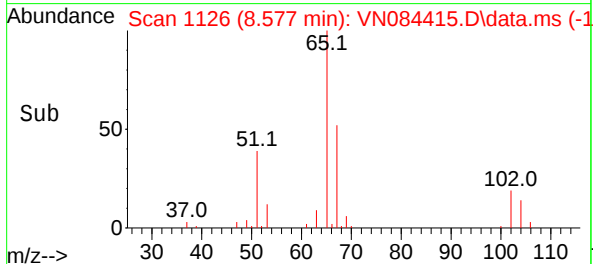
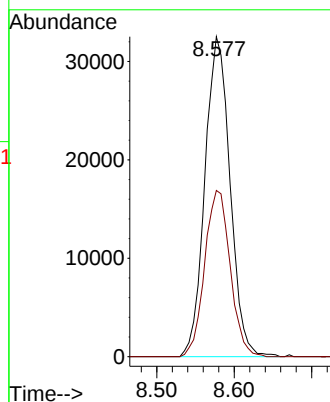
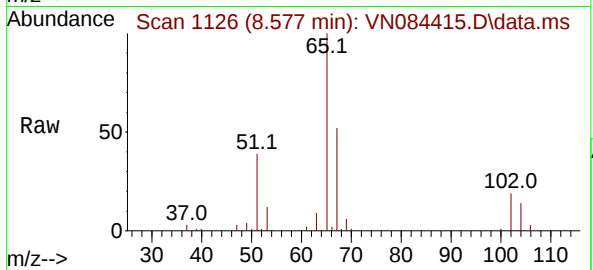




#27
1,2-Dichloroethane-d4
Concen: 29.907 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084415.D
Acq: 15 Oct 2024 14:49

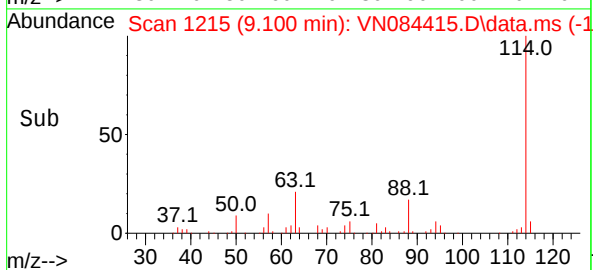
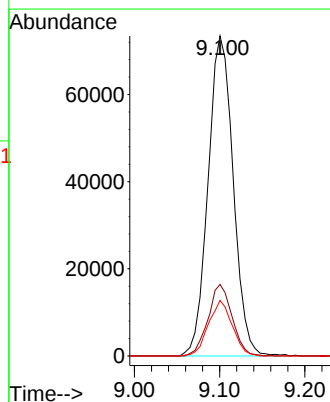
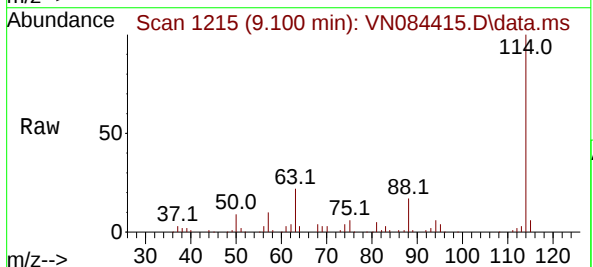
Instrument :
MSVOA_N
ClientSampleId :

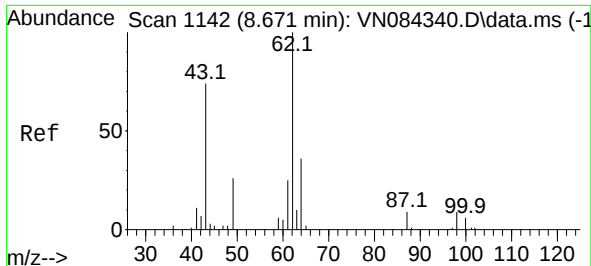
Tgt Ion: 65 Resp: 73341
Ion Ratio Lower Upper
65 100
67 52.6 41.5 62.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084415.D
Acq: 15 Oct 2024 14:49

Tgt Ion:114 Resp: 150583
Ion Ratio Lower Upper
114 100
63 21.3 17.4 26.0
88 16.4 13.2 19.8

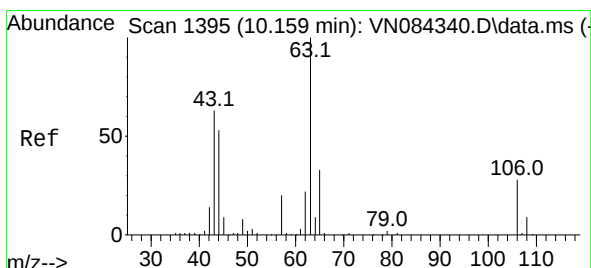
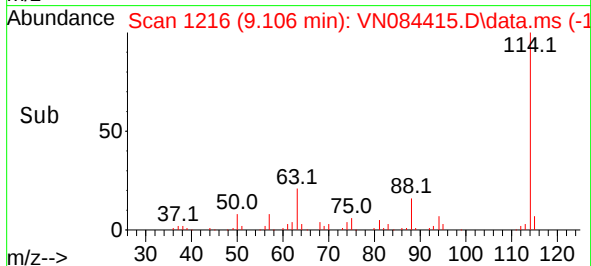
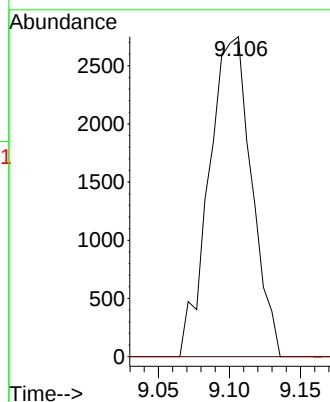
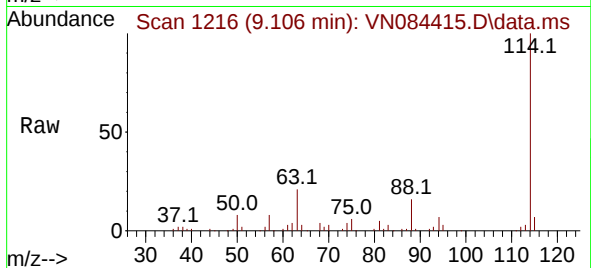




#36
1,2-Dichloroethane
Concen: 2.220 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.436 min
Lab File: VN084415.D
Acq: 15 Oct 2024 14:49

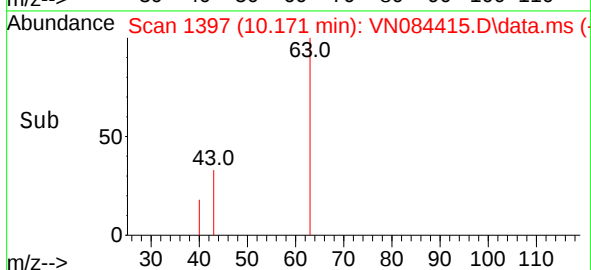
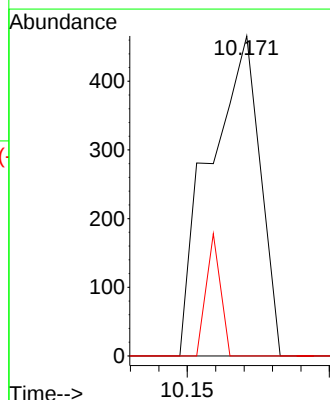
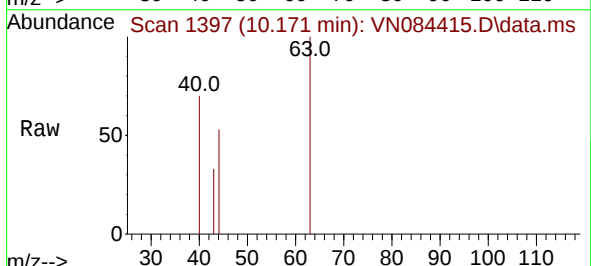
Instrument :
MSVOA_N
ClientSampleId :

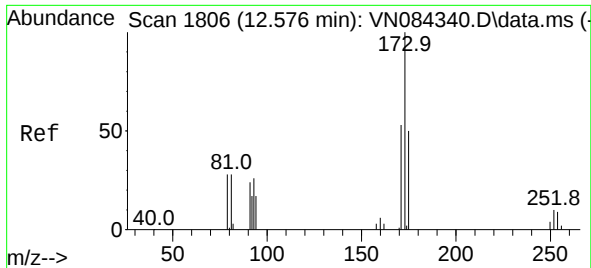
Tgt Ion: 62 Resp: 5726
Ion Ratio Lower Upper
62 100
98 0.0 7.3 10.9#



#55
2-Chloroethyl vinyl ether
Concen: 0.432 ug/l
RT: 10.171 min Scan# 1397
Delta R.T. 0.012 min
Lab File: VN084415.D
Acq: 15 Oct 2024 14:49

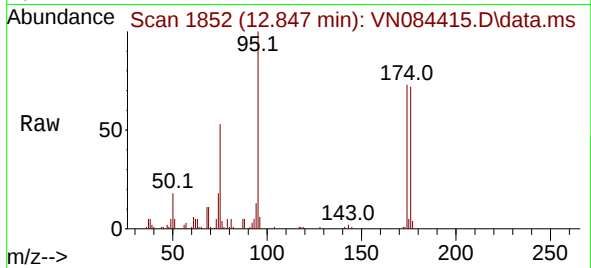
Tgt Ion: 63 Resp: 574
Ion Ratio Lower Upper
63 100
65 0.0 25.6 38.4#
106 0.0 21.6 32.4#



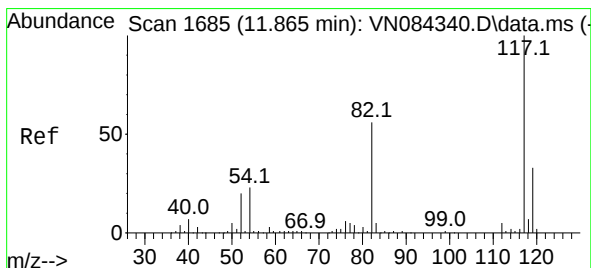
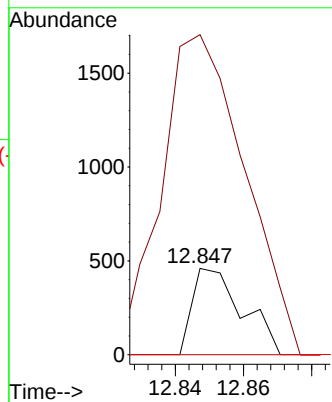
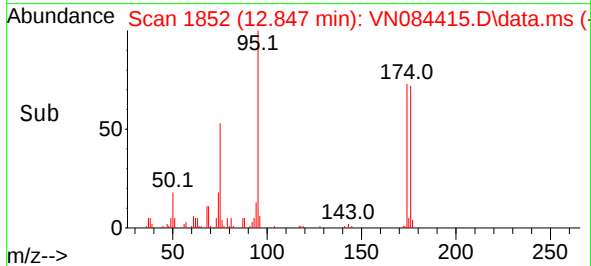


#56
Bromoform
Concen: 0.338 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084415.D
Acq: 15 Oct 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :

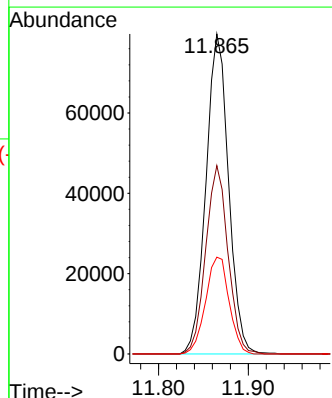
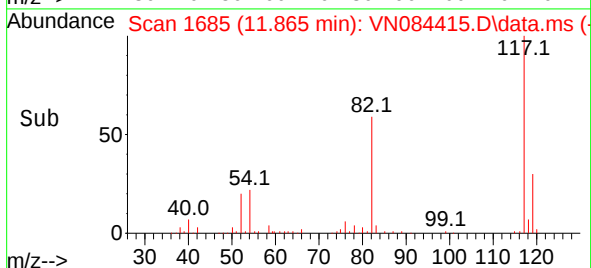
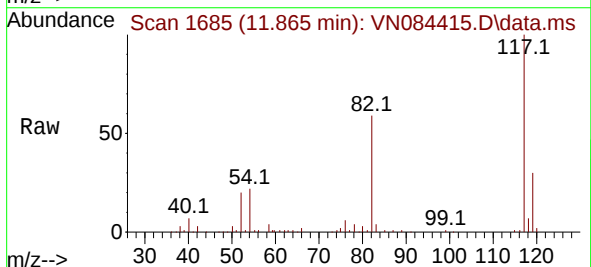


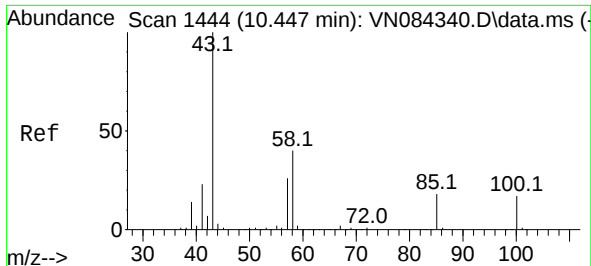
Tgt Ion:173 Resp: 470
Ion Ratio Lower Upper
173 100
175 617.2 39.4 59.2#
254 0.0 6.8 10.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084415.D
Acq: 15 Oct 2024 14:49

Tgt Ion:117 Resp: 139321
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 31.5 25.4 38.2





#58

4-Methyl-2-Pentanone

Concen: 0.325 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.118 min

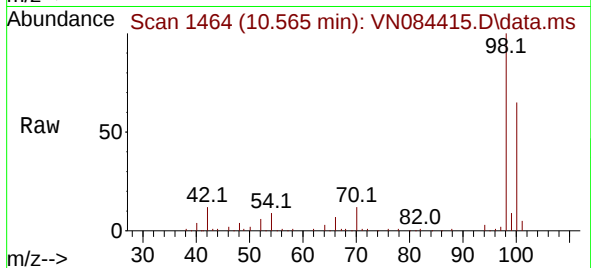
Lab File: VN084415.D

Acq: 15 Oct 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :



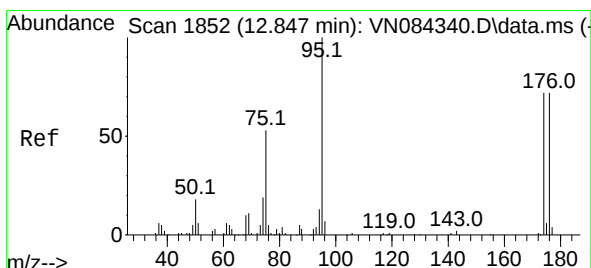
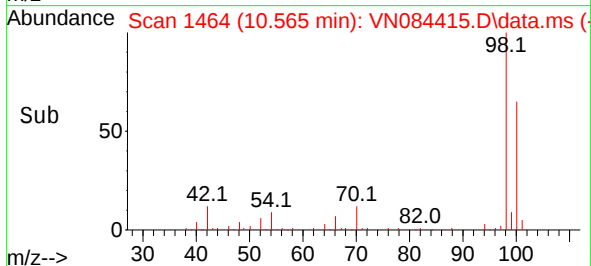
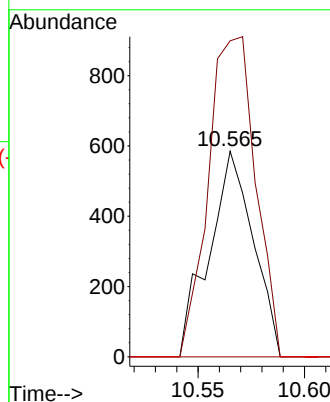
Tgt Ion: 43 Resp: 843

Ion Ratio Lower Upper

43 100

58 166.9 31.9 47.9#

85 0.0 14.6 22.0#



#60

4-Bromofluorobenzene

Concen: 24.877 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084415.D

Acq: 15 Oct 2024 14:49

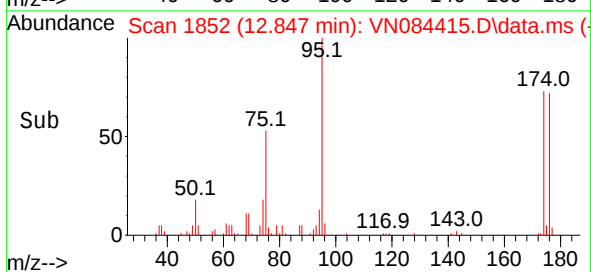
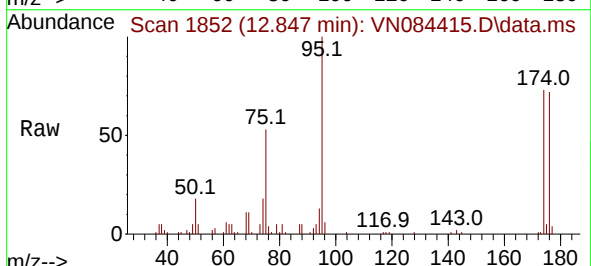
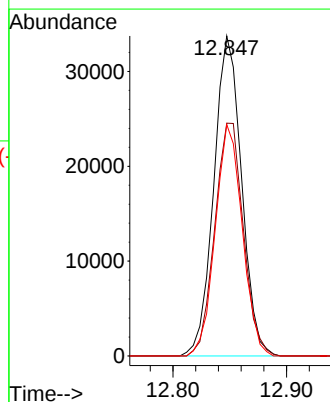
Tgt Ion: 95 Resp: 57202

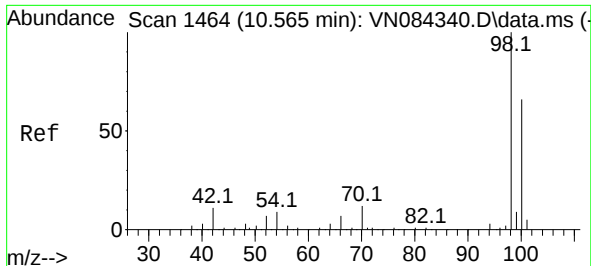
Ion Ratio Lower Upper

95 100

174 75.0 58.2 87.2

176 70.5 56.4 84.6





#63

Toluene-d8

Concen: 29.060 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084415.D

Acq: 15 Oct 2024 14:49

Instrument :

MSVOA_N

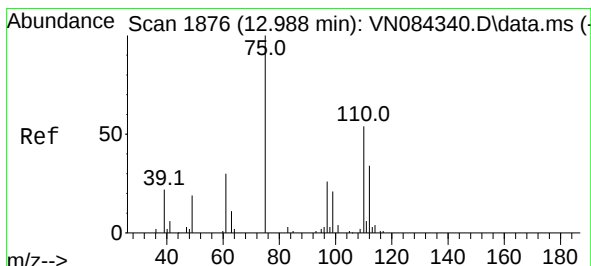
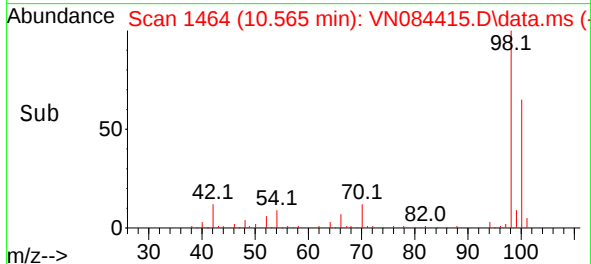
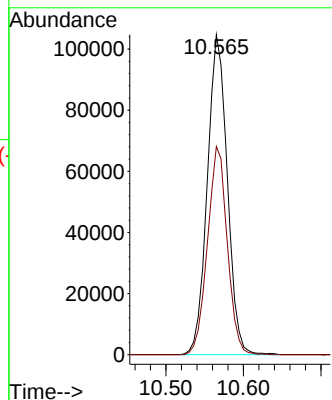
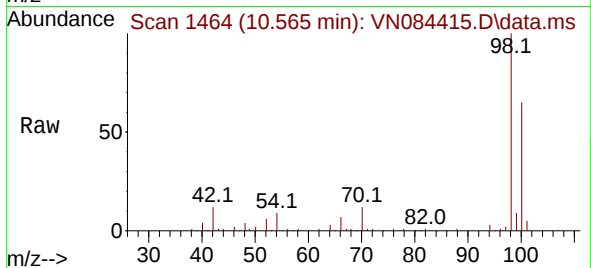
ClientSampleId :

Tgt Ion: 98 Resp: 187559

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7



#72

1,2,3-Trichloropropane

Concen: 14.034 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084415.D

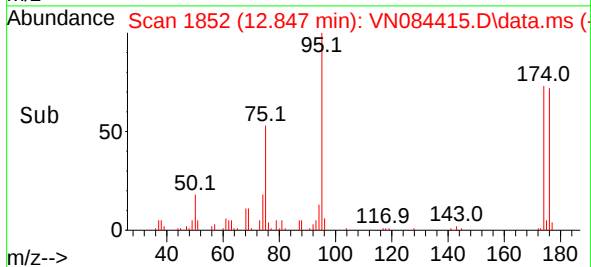
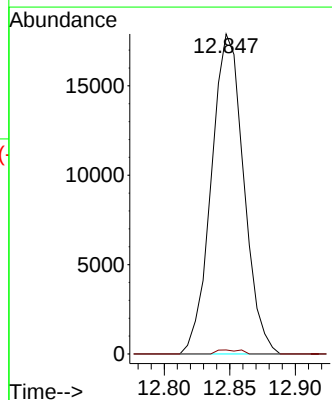
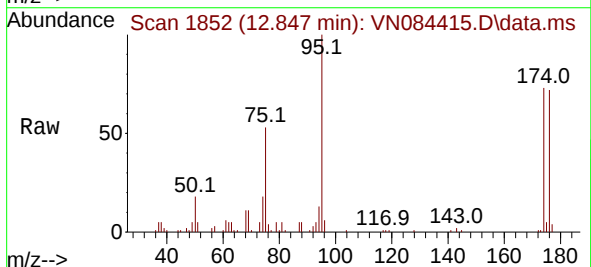
Acq: 15 Oct 2024 14:49

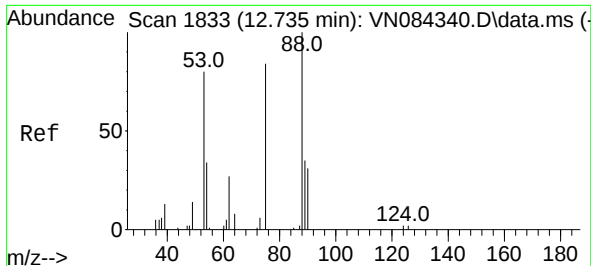
Tgt Ion: 75 Resp: 30755

Ion Ratio Lower Upper

75 100

77 0.7 0.0 414.0





#77

t-1,4-Dichloro-2-butene

Concen: 32.841 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084415.D

Acq: 15 Oct 2024 14:49

Instrument :

MSVOA_N

ClientSampleId :

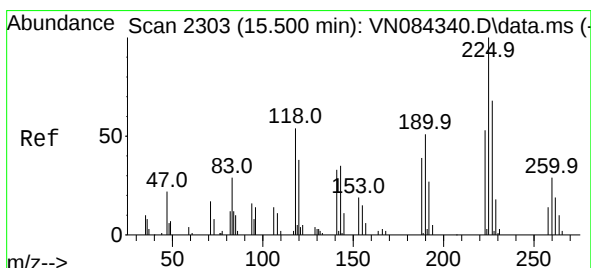
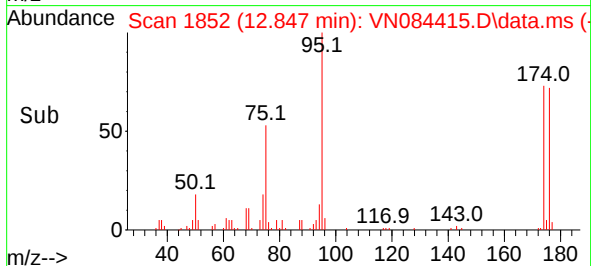
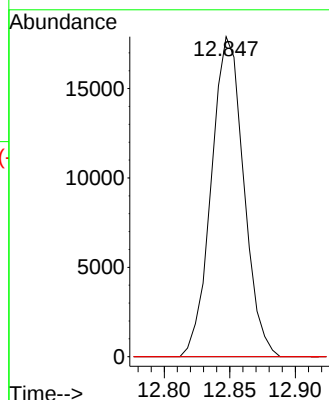
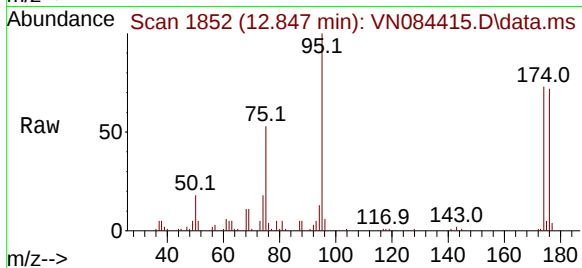
Tgt Ion: 75 Resp: 30755

Ion Ratio Lower Upper

75 100

53 0.0 47.3 142.0#

89 0.0 22.9 68.8#



#90

Hexachlorobutadiene

Concen: 0.615 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. 0.000 min

Lab File: VN084415.D

Acq: 15 Oct 2024 14:49

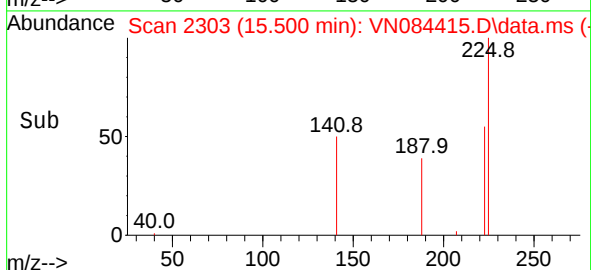
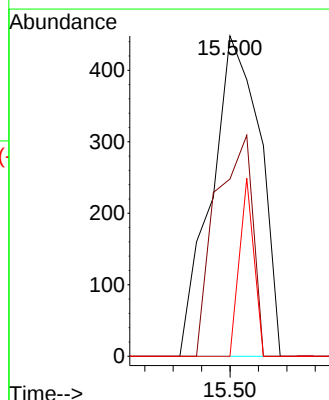
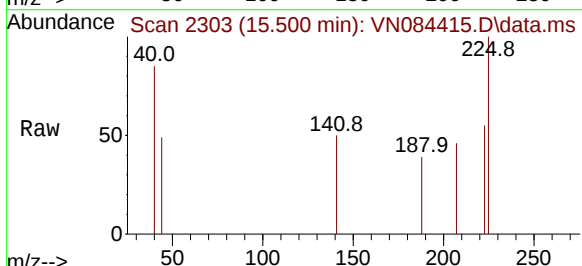
Tgt Ion: 225 Resp: 533

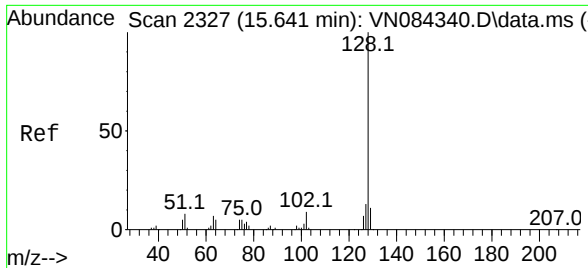
Ion Ratio Lower Upper

225 100

223 52.0 0.0 124.0

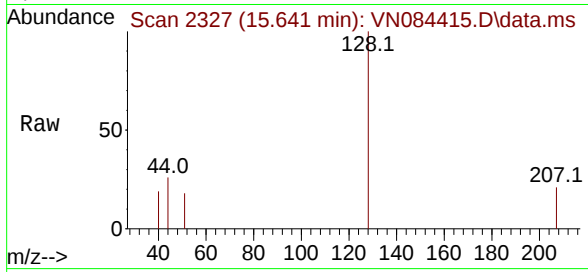
227 0.0 0.0 130.8





#91
Naphthalene
Concen: 0.394 ug/l
RT: 15.641 min Scan# 24
Delta R.T. 0.000 min
Lab File: VN084415.D
Acq: 15 Oct 2024 14:49

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	7.7	10.3	15.5#
129	0.0	8.8	13.2#

