

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
 Data File : VN085056.D
 Acq On : 27 Nov 2024 13:56
 Operator : JC\MD
 Sample : P5018-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 05:33:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

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

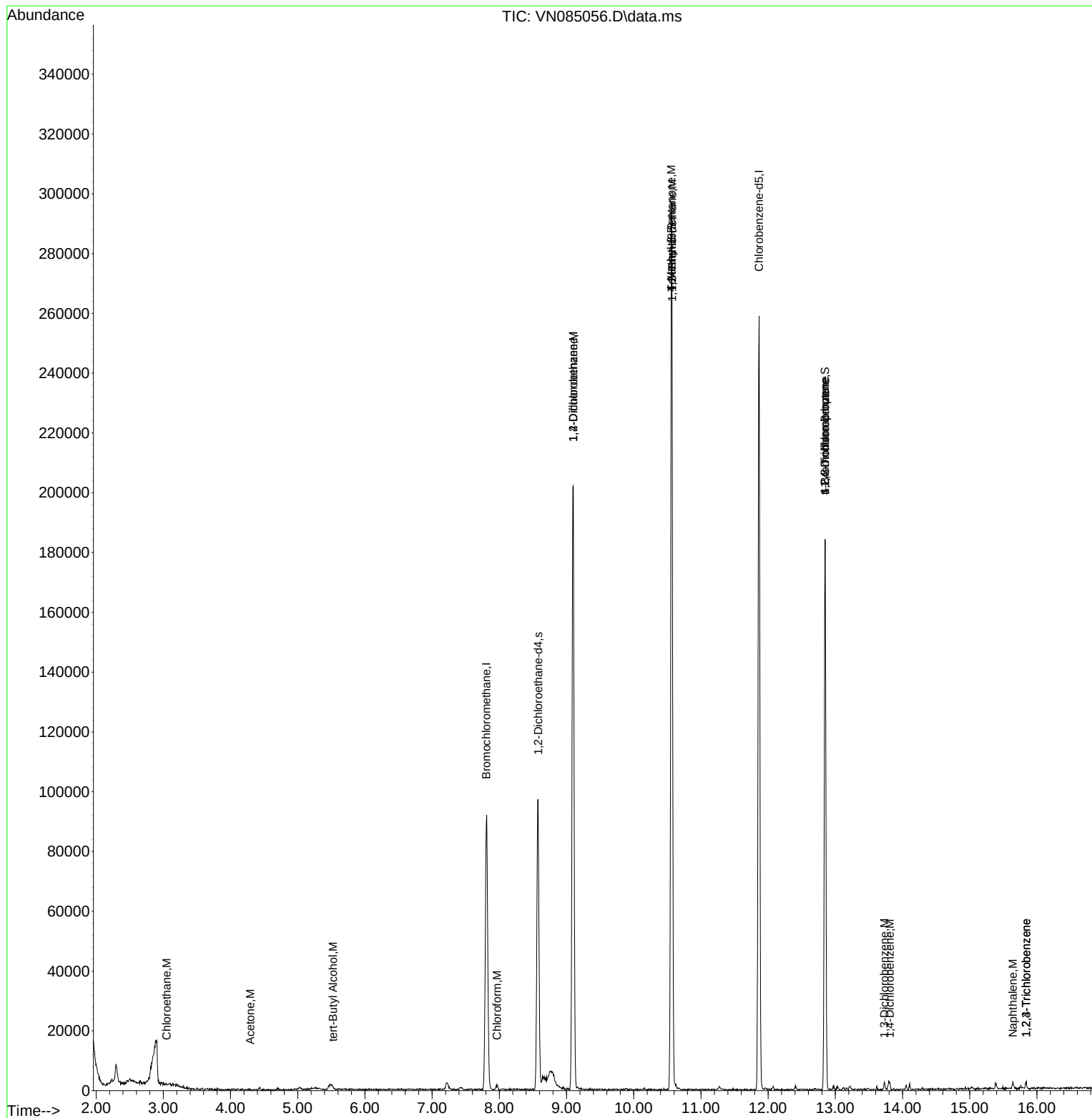
Internal Standards						
1) Bromochloromethane	7.806	128	33381	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	177303	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	151222	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	80312	29.927	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.767%		
60) 4-Bromofluorobenzene	12.847	95	64801	24.887	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	82.967%		
63) Toluene-d8	10.565	98	205957	28.769	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	95.900%		
Target Compounds					Qvalue	
6) Chloroethane	3.048	64	374	0.262	ug/l #	47
15) Acetone	4.295	58	65	0.255	ug/l #	1
23) tert-Butyl Alcohol	5.524	59	231	0.667	ug/l #	100
25) Chloroform	7.965	83	1405	0.344	ug/l	97
36) 1,2-Dichloroethane	9.100	62	6058	2.064	ug/l #	74
50) 1,1,2-Trichloroethane	10.571	97	6763	3.392	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	779	0.327	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	32943	14.333	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	32943	34.948	ug/l #	7
83) 1,3-Dichlorobenzene	13.729	146	1215	0.307	ug/l	81
84) 1,4-Dichlorobenzene	13.812	146	1274	0.325	ug/l	81
89) 1,2,4-Trichlorobenzene	15.841	180	758	0.399	ug/l #	87
91) Naphthalene	15.641	128	1873	0.309	ug/l #	86
92) 1,2,3-Trichlorobenzene	15.841	180	758	0.399	ug/l	87

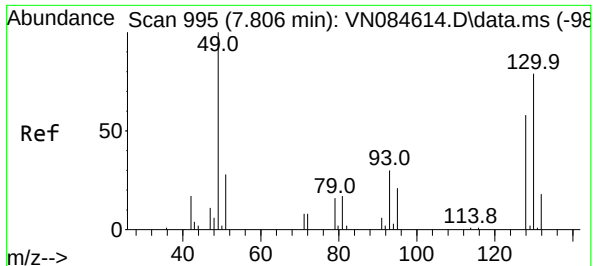
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
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Quant Time: Nov 28 05:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 01 02:38:04 2024
Response via : Initial Calibration

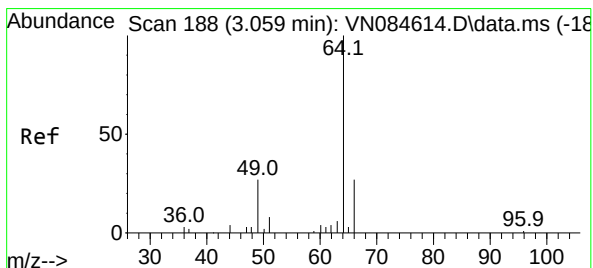
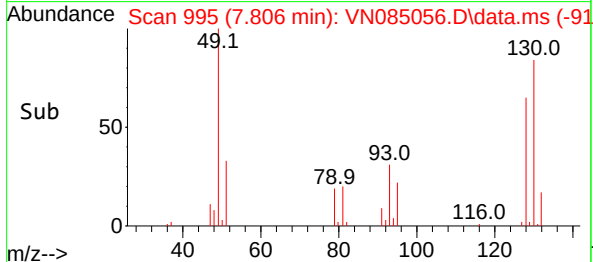
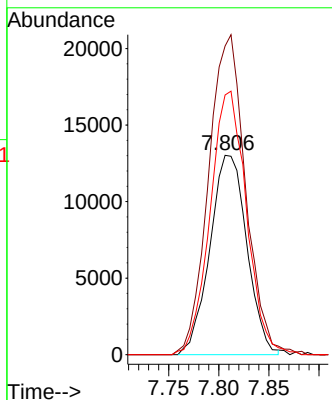
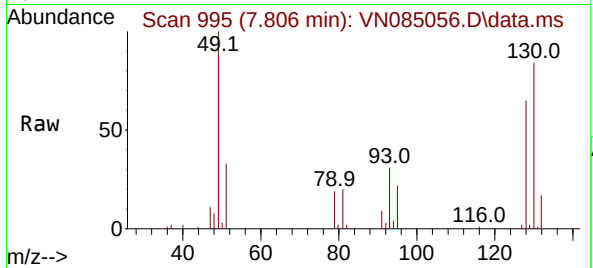




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.000 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56

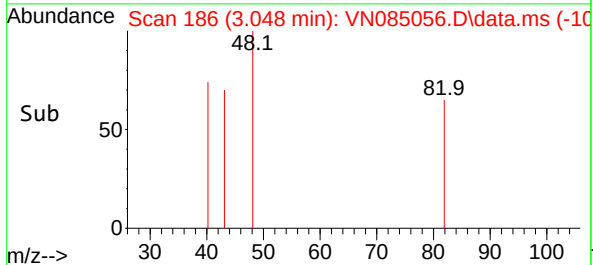
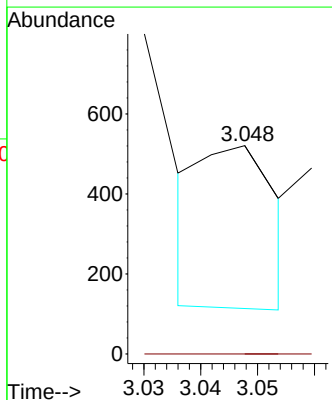
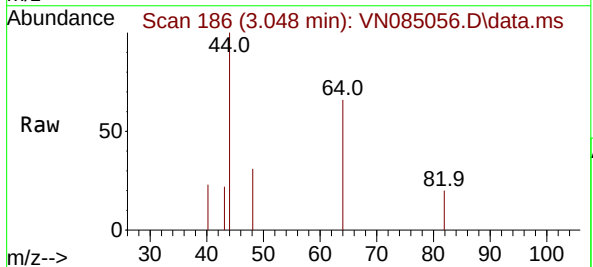
Instrument :
MSVOA_N
ClientSampleId :

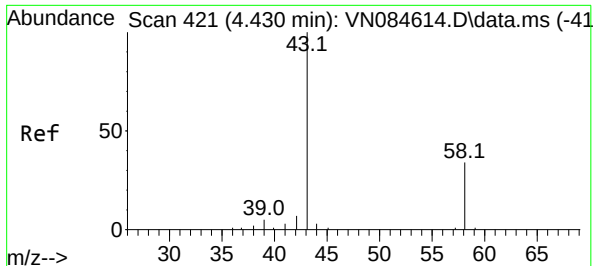
Tgt Ion:128 Resp: 33381
Ion Ratio Lower Upper
128 100
49 160.9 0.0 427.0
130 130.2 0.0 322.2



#6
Chloroethane
Concen: 0.262 ug/l
RT: 3.048 min Scan# 186
Delta R.T. -0.012 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56

Tgt Ion: 64 Resp: 374
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#

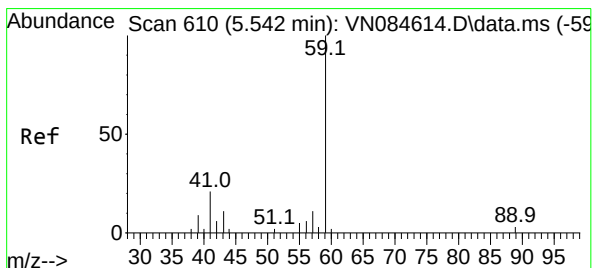
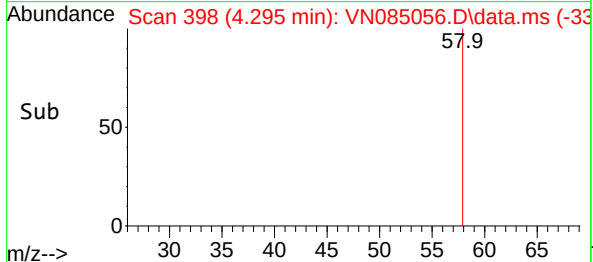
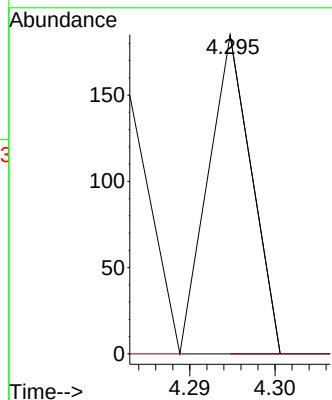
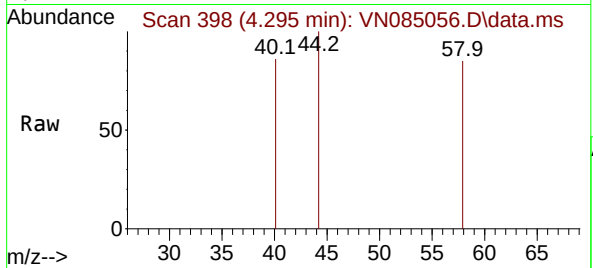




#15
Acetone
Concen: 0.255 ug/l
RT: 4.295 min Scan# 398
Delta R.T. -0.135 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56

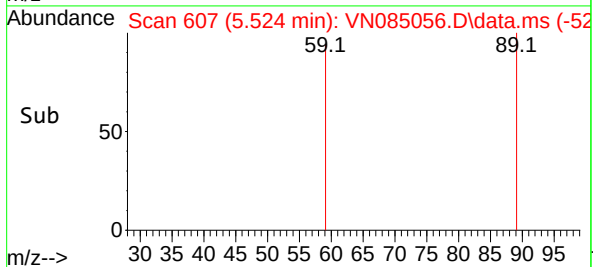
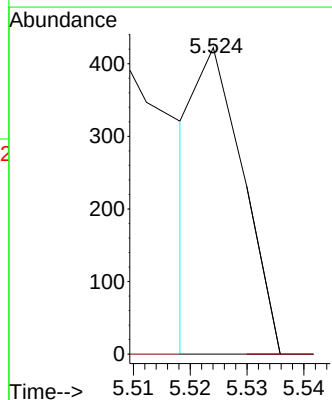
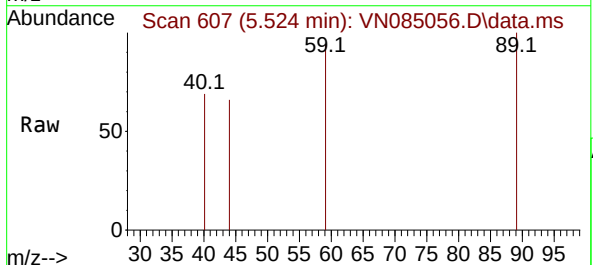
Instrument :
MSVOA_N
ClientSampleId :

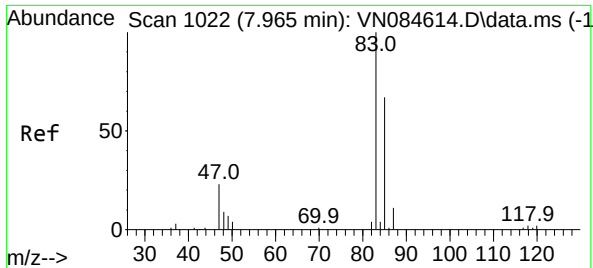
Tgt Ion: 58 Resp: 65
Ion Ratio Lower Upper
58 100
43 0.0 233.0 349.6#



#23
tert-Butyl Alcohol
Concen: 0.667 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56

Tgt Ion: 59 Resp: 231
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 0.344 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN085056.D

Acq: 27 Nov 2024 13:56

Instrument :

MSVOA_N

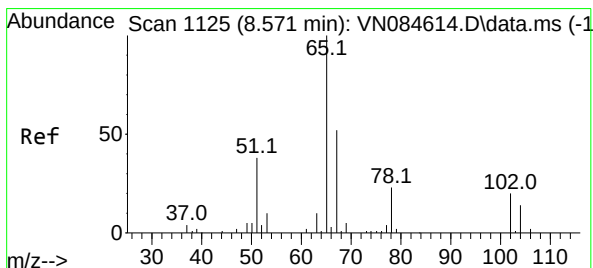
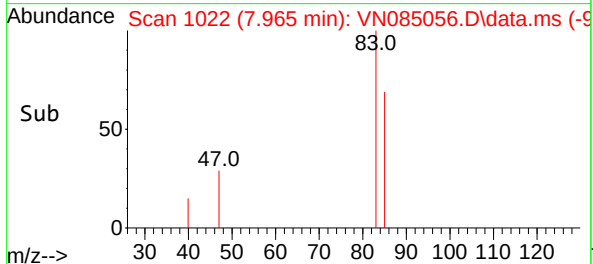
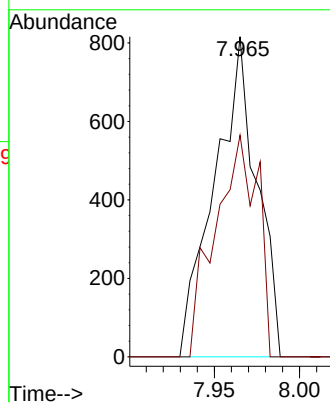
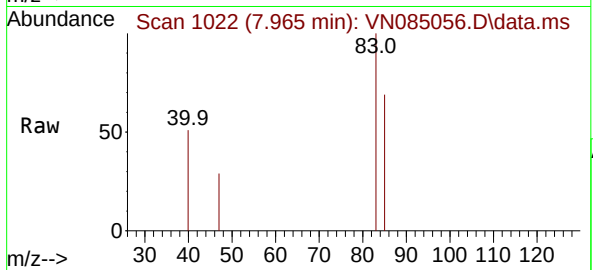
ClientSampleId :

Tgt Ion: 83 Resp: 1405

Ion Ratio Lower Upper

83 100

85 69.2 53.4 80.2



#27

1,2-Dichloroethane-d4

Concen: 29.927 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085056.D

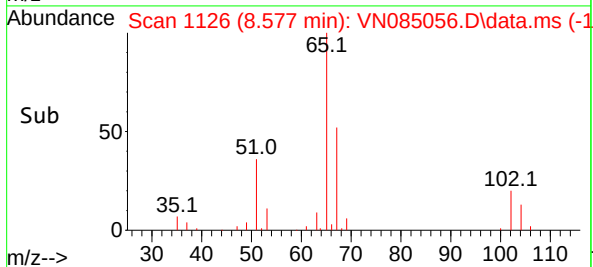
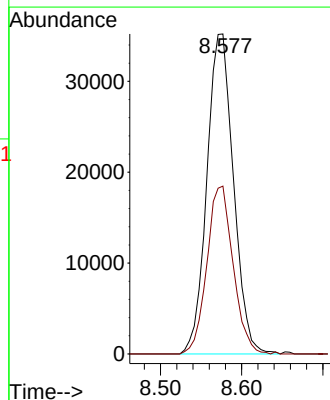
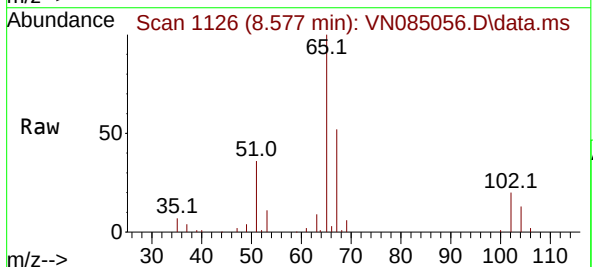
Acq: 27 Nov 2024 13:56

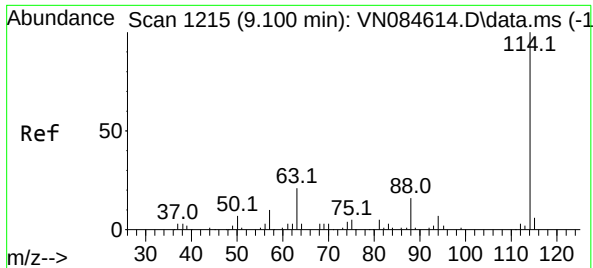
Tgt Ion: 65 Resp: 80312

Ion Ratio Lower Upper

65 100

67 51.6 40.7 61.1

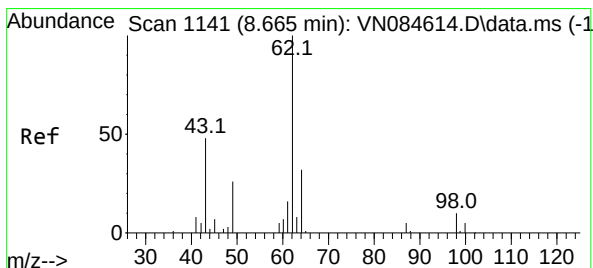
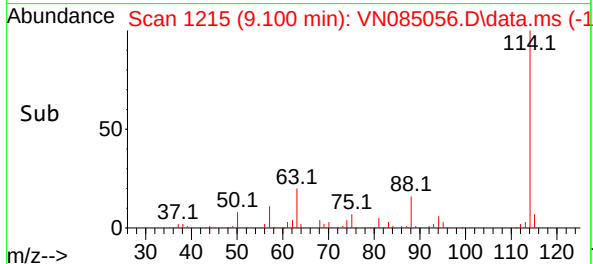
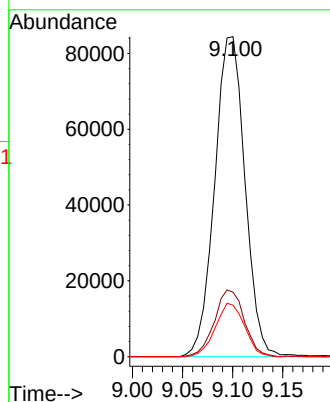
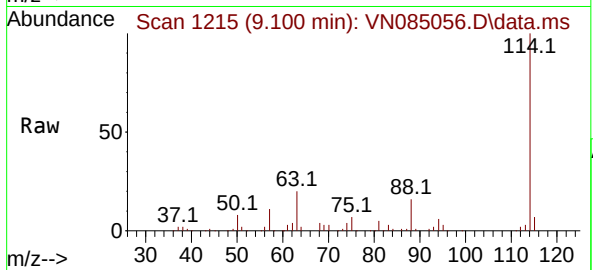




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56

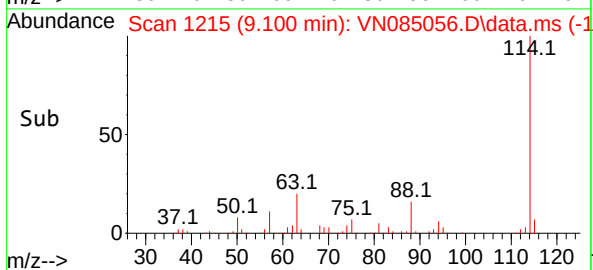
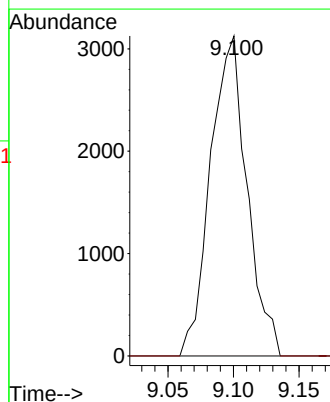
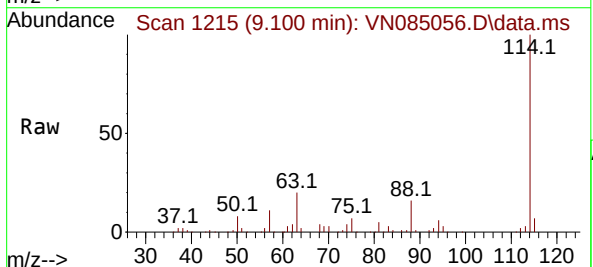
Instrument :
MSVOA_N
ClientSampleId :

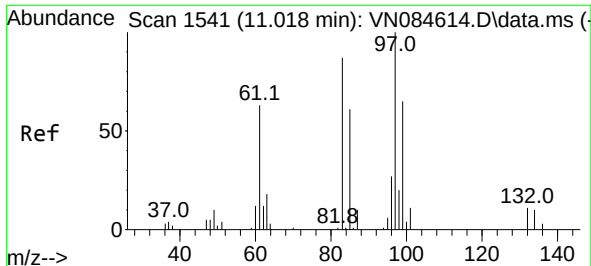
Tgt Ion:114 Resp: 177303
Ion Ratio Lower Upper
114 100
63 20.6 16.8 25.2
88 16.1 12.9 19.3



#36
1,2-Dichloroethane
Concen: 2.064 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.435 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56

Tgt Ion: 62 Resp: 6058
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.6#





#50

1,1,2-Trichloroethane

Concen: 3.392 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

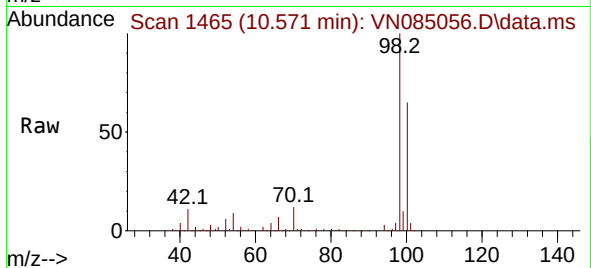
Lab File: VN085056.D

Acq: 27 Nov 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 6763

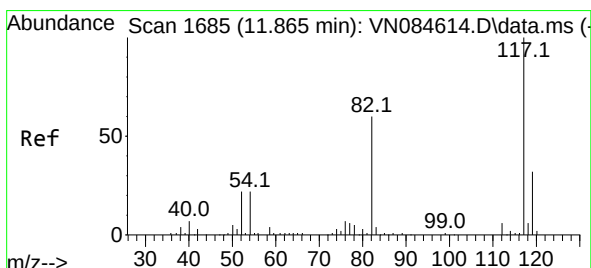
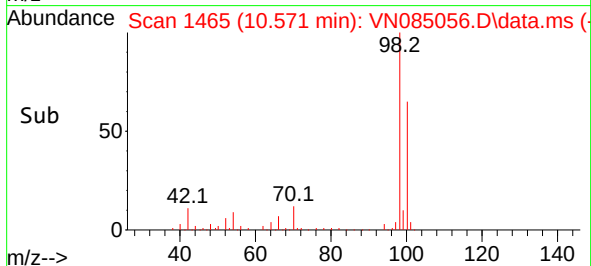
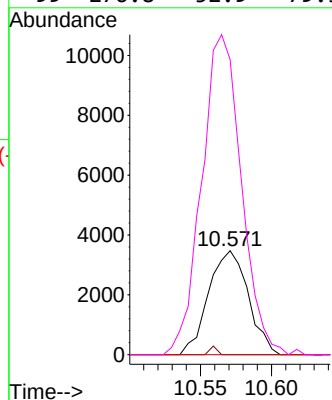
Ion Ratio Lower Upper

97 100

83 0.0 69.8 104.8#

85 0.0 48.6 73.0#

99 276.8 52.9 79.3#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN085056.D

Acq: 27 Nov 2024 13:56

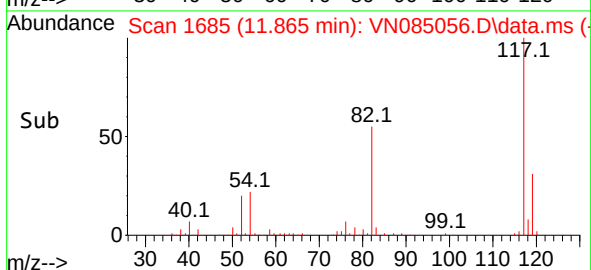
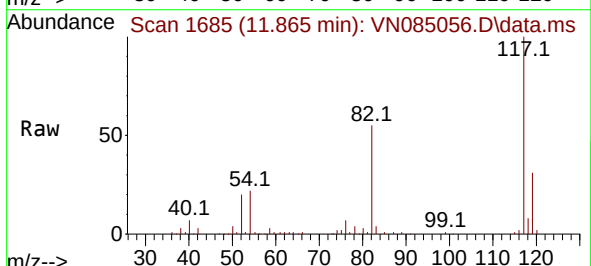
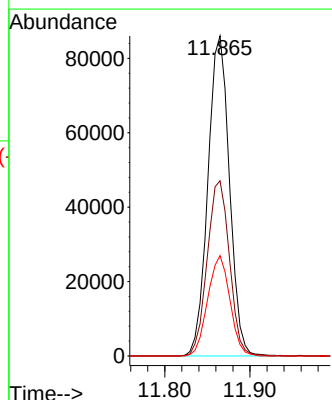
Tgt Ion: 117 Resp: 151222

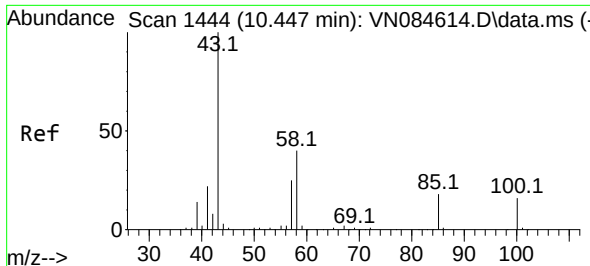
Ion Ratio Lower Upper

117 100

82 56.5 45.5 68.3

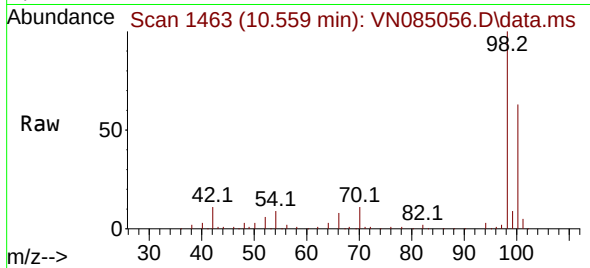
119 32.2 25.3 37.9





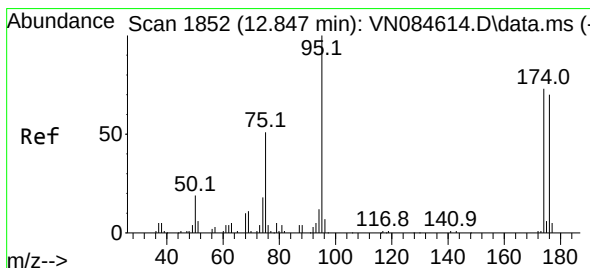
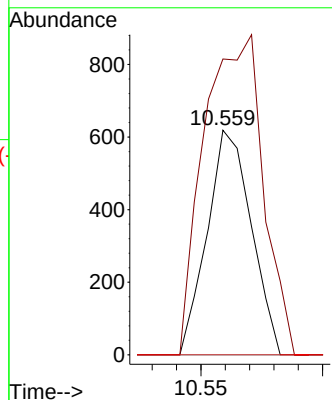
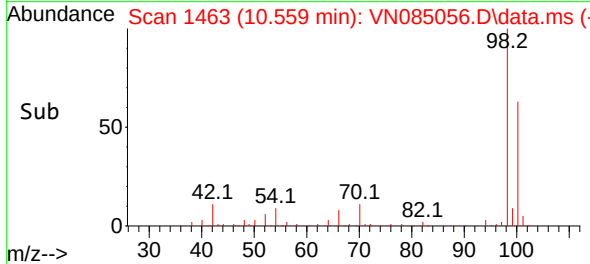
#58
 4-Methyl-2-Pentanone
 Concen: 0.327 ug/l
 RT: 10.559 min Scan# 1444
 Delta R.T. 0.112 min
 Lab File: VN085056.D
 Acq: 27 Nov 2024 13:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 43 Resp: 779

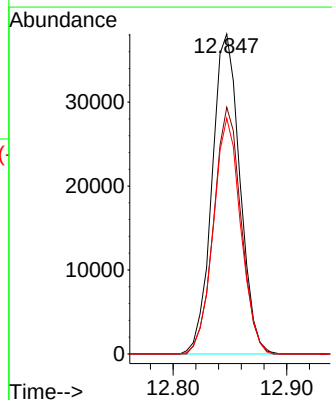
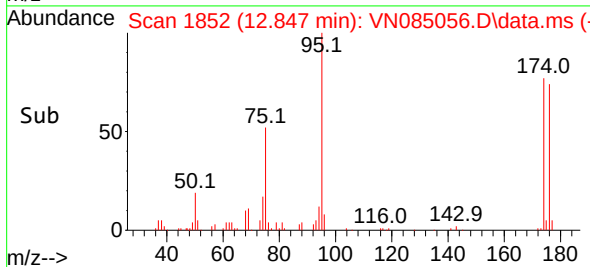
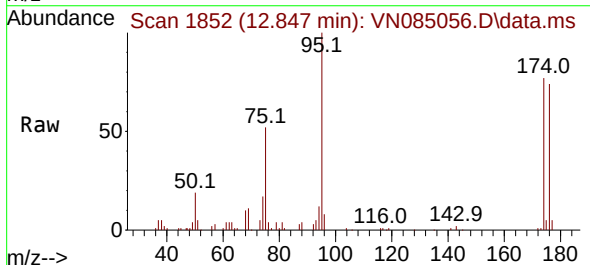
Ion	Ratio	Lower	Upper
43	100		
58	190.5	31.2	46.8#
85	0.0	14.9	22.3#

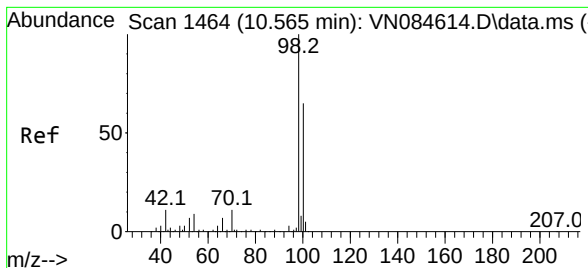


#60
 4-Bromofluorobenzene
 Concen: 24.887 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN085056.D
 Acq: 27 Nov 2024 13:56

Tgt Ion: 95 Resp: 64801

Ion	Ratio	Lower	Upper
95	100		
174	76.0	59.6	89.4
176	72.7	58.6	88.0





#63

Toluene-d8

Concen: 28.769 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN085056.D

Acq: 27 Nov 2024 13:56

Instrument :

MSVOA_N

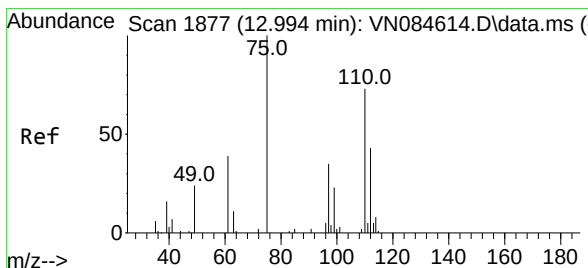
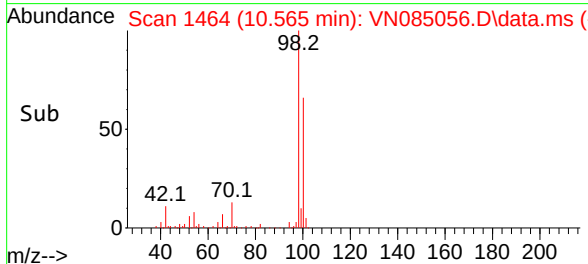
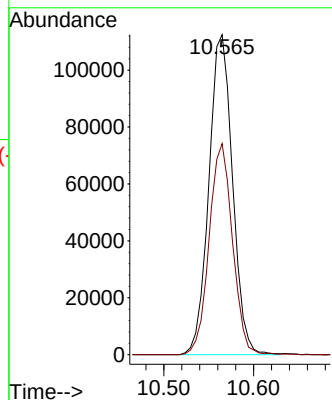
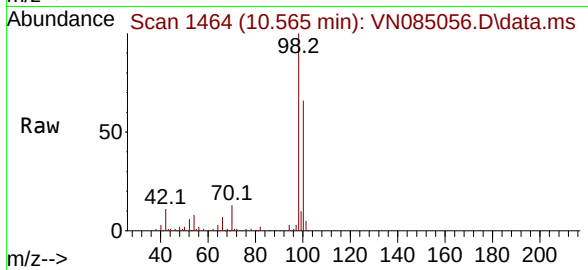
ClientSampleId :

Tgt Ion: 98 Resp: 205957

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#72

1,2,3-Trichloropropane

Concen: 14.333 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085056.D

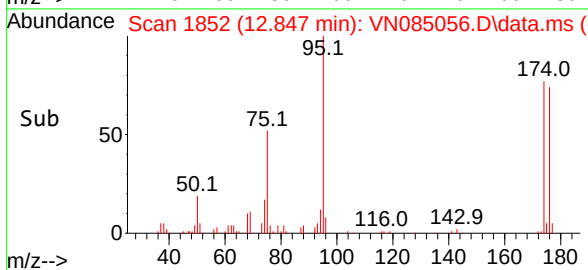
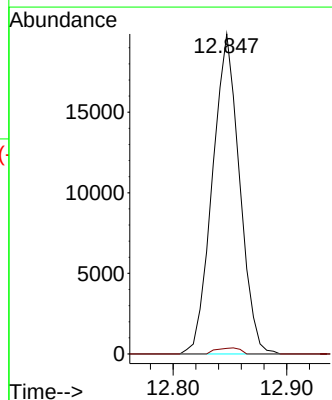
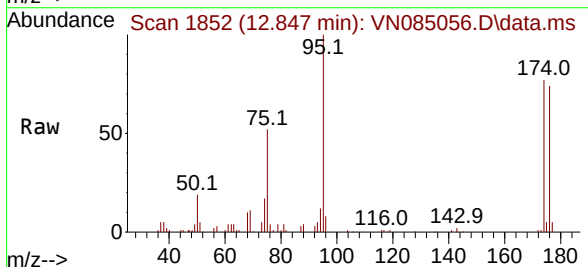
Acq: 27 Nov 2024 13:56

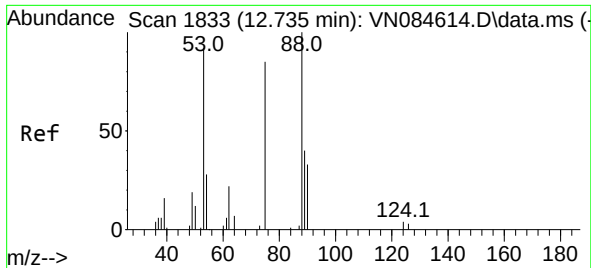
Tgt Ion: 75 Resp: 32943

Ion Ratio Lower Upper

75 100

77 1.7 0.0 358.4

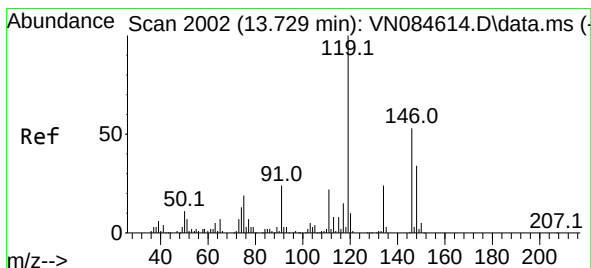
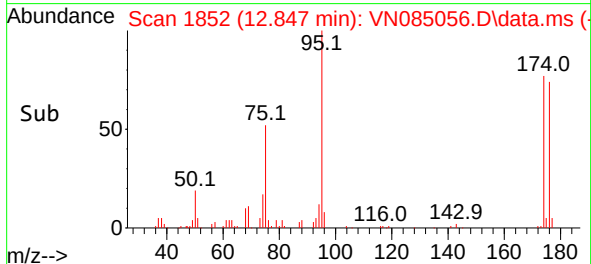
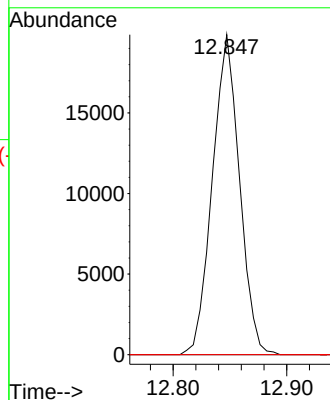
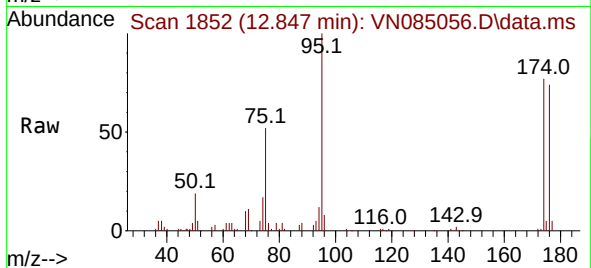




#77
t-1,4-Dichloro-2-butene
Concen: 34.948 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56

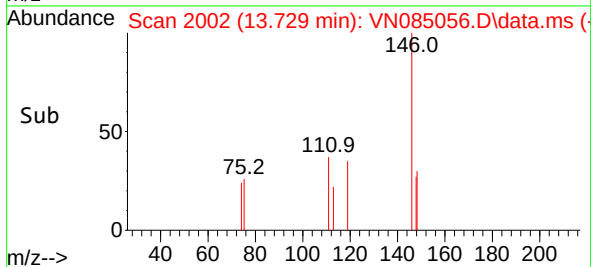
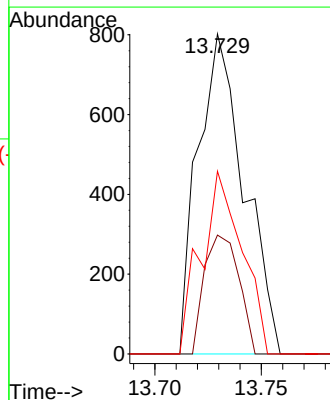
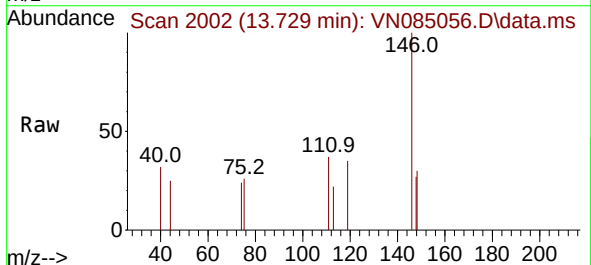
Instrument :
MSVOA_N
ClientSampleId :

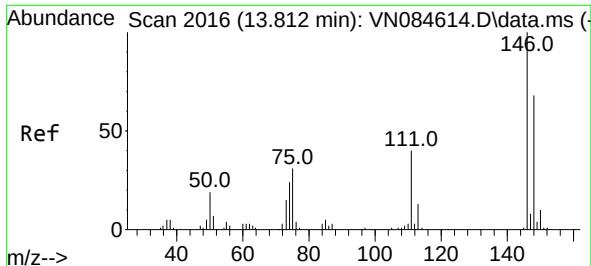
Tgt Ion: 75 Resp: 32943
Ion Ratio Lower Upper
75 100
53 0.0 52.4 157.2#
89 0.0 26.0 78.0#



#83
1,3-Dichlorobenzene
Concen: 0.307 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56

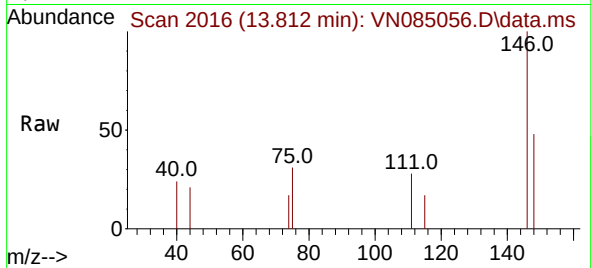
Tgt Ion:146 Resp: 1215
Ion Ratio Lower Upper
146 100
111 27.7 21.0 63.0
148 50.3 31.3 93.8



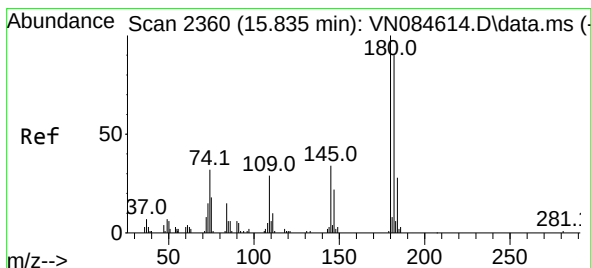
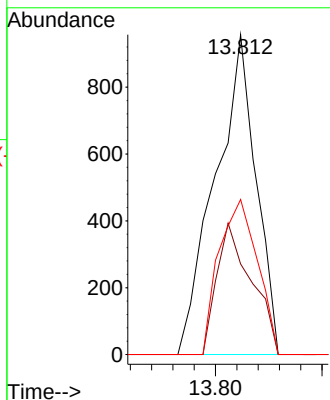
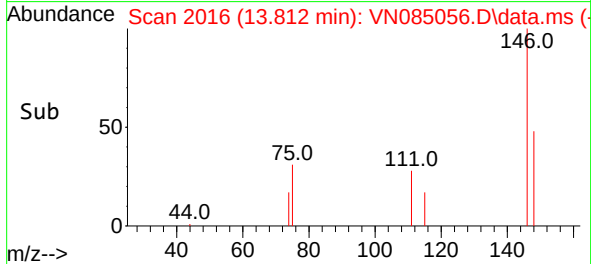


#84
1,4-Dichlorobenzene
Concen: 0.325 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56

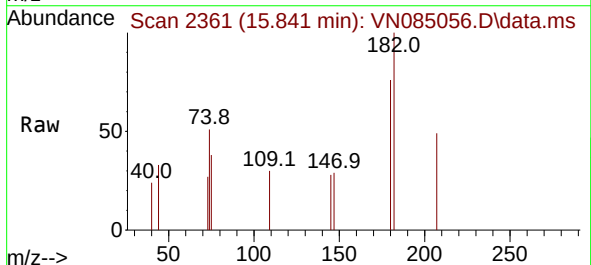
Instrument :
MSVOA_N
ClientSampleId :



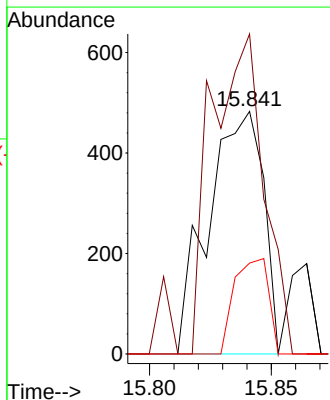
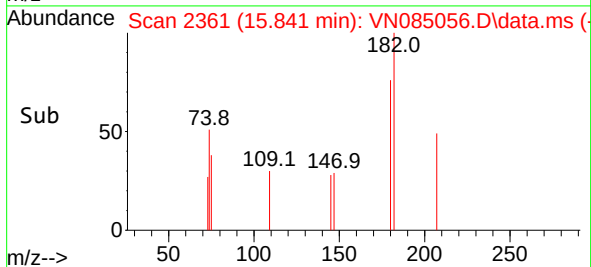
Tgt Ion:146 Resp: 1274
Ion Ratio Lower Upper
146 100
111 35.0 20.2 60.5
148 45.8 32.6 98.0

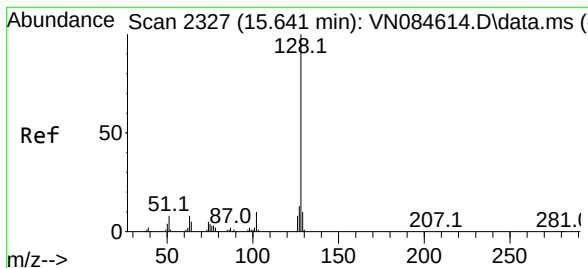


#89
1,2,4-Trichlorobenzene
Concen: 0.399 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085056.D
Acq: 27 Nov 2024 13:56



Tgt Ion:180 Resp: 758
Ion Ratio Lower Upper
180 100
182 79.8 73.0 109.6
145 24.4 26.5 39.7#





#91

Naphthalene

Concen: 0.309 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN085056.D

Acq: 27 Nov 2024 13:56

Instrument :

MSVOA_N

ClientSampleId :

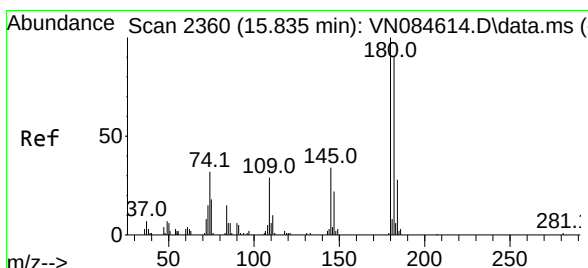
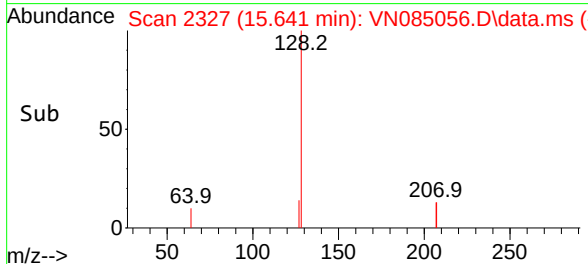
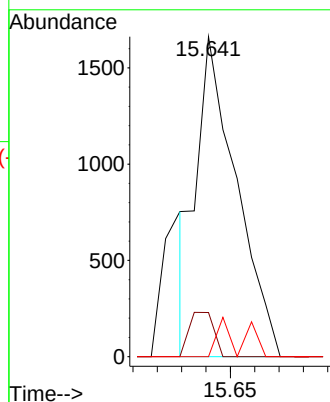
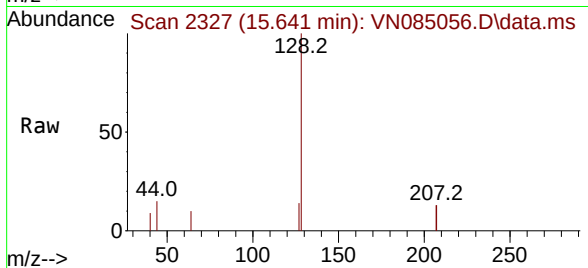
Tgt Ion:128 Resp: 1873

Ion Ratio Lower Upper

128 100

127 8.6 10.3 15.5#

129 3.8 8.6 12.8#



#92

1,2,3-Trichlorobenzene

Concen: 0.399 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.006 min

Lab File: VN085056.D

Acq: 27 Nov 2024 13:56

Tgt Ion:180 Resp: 758

Ion Ratio Lower Upper

180 100

182 79.8 0.0 182.6

145 24.4 0.0 66.2

