

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
 Data File : VN085057.D
 Acq On : 27 Nov 2024 14:20
 Operator : JC\MD
 Sample : P5018-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 05:33:36 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)

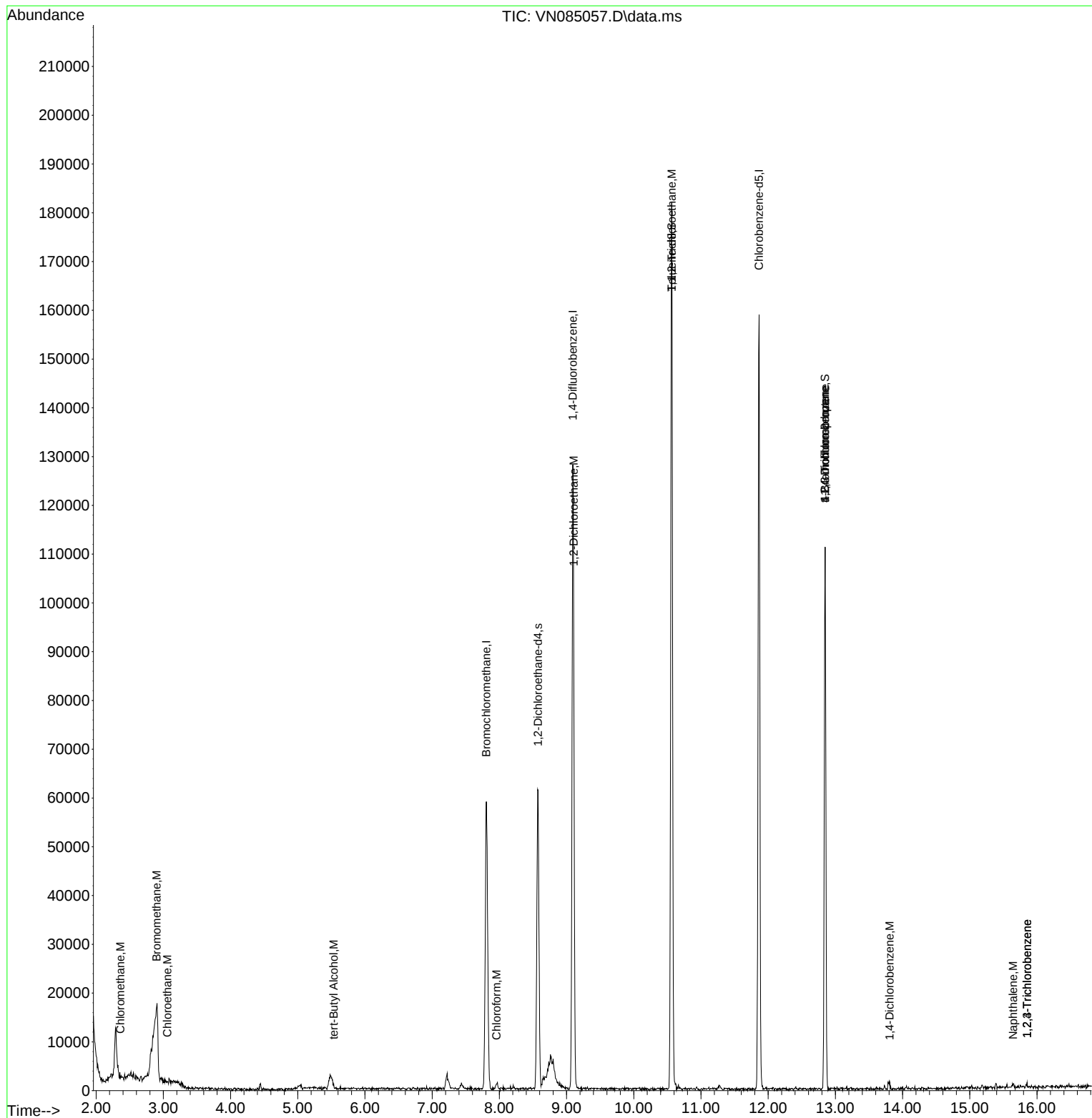
Internal Standards						
1) Bromochloromethane	7.806	128	21362	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	109546	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	94649	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	51084	29.745	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.167%
60) 4-Bromofluorobenzene	12.847	95	38956	23.904	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.667%
63) Toluene-d8	10.565	98	125867	28.091	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.633%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	371	0.248	ug/l #	43
5) Bromomethane	2.900	94	252	0.357	ug/l #	4
6) Chloroethane	3.059	64	288	0.316	ug/l #	47
23) tert-Butyl Alcohol	5.535	59	181	0.817	ug/l #	100
25) Chloroform	7.959	83	1489	0.569	ug/l #	56
36) 1,2-Dichloroethane	9.106	62	4211	2.322	ug/l #	74
50) 1,1,2-Trichloroethane	10.565	97	4403	3.574	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	19134	13.301	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	19134	32.431	ug/l #	7
84) 1,4-Dichlorobenzene	13.806	146	493	0.201	ug/l #	47
89) 1,2,4-Trichlorobenzene	15.852	180	333	0.280	ug/l #	84
91) Naphthalene	15.647	128	1309	0.345	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.852	180	333	0.280	ug/l #	84

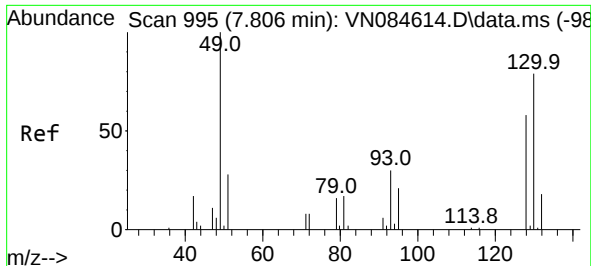
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112724\
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Quant Time: Nov 28 05:33:36 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

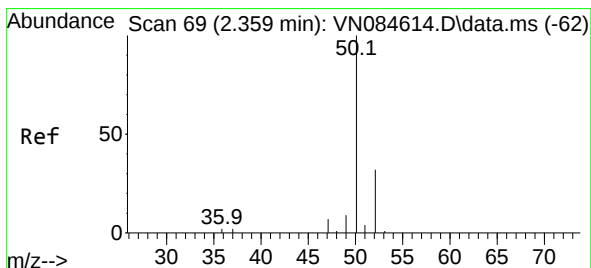
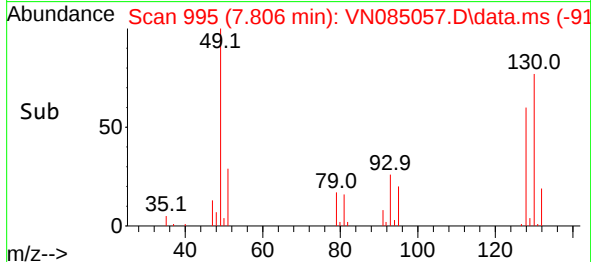
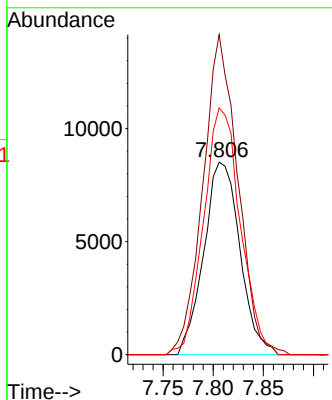
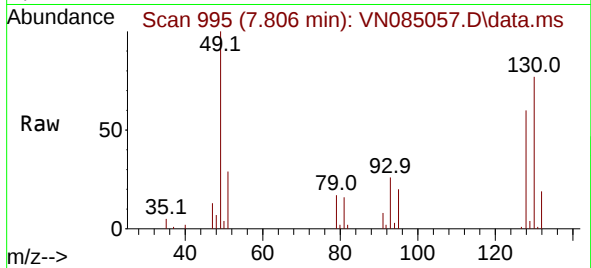




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085057.D
Acq: 27 Nov 2024 14:20

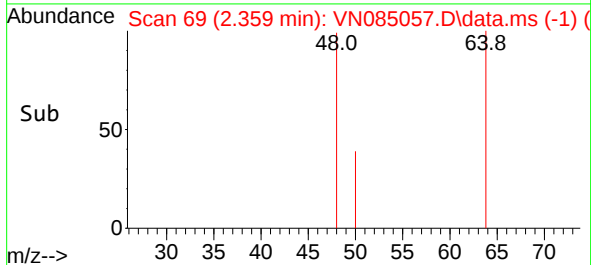
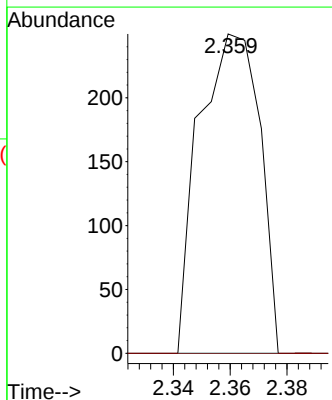
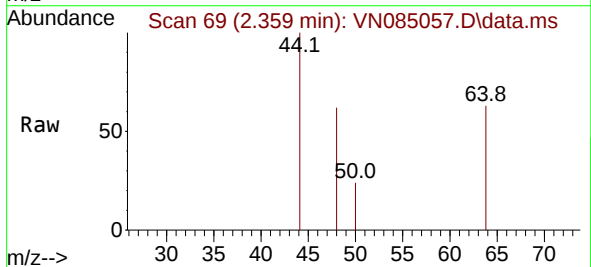
Instrument :
MSVOA_N
ClientSampleId :

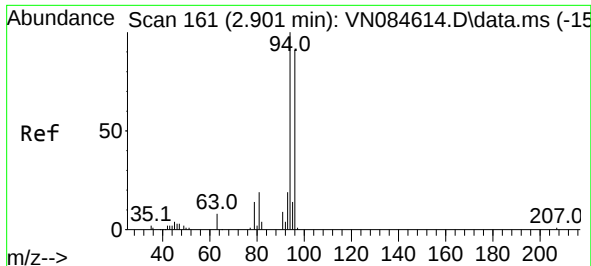
Tgt Ion:	128	Resp:	21362
Ion	Ratio	Lower	Upper
128	100		
49	160.1	0.0	427.0
130	130.4	0.0	322.2



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085057.D
Acq: 27 Nov 2024 14:20

Tgt Ion:	50	Resp:	371
Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.5	38.3#

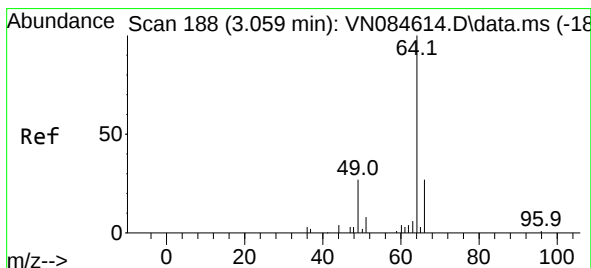
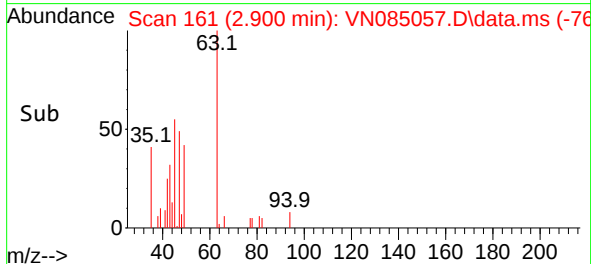
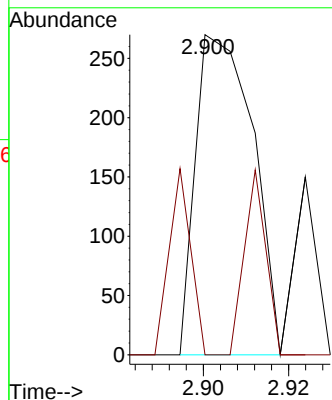
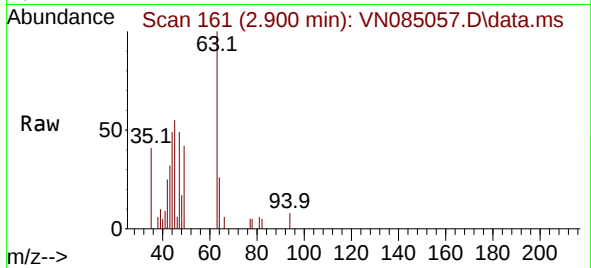




#5
Bromomethane
Concen: 0.357 ug/l
RT: 2.900 min Scan# 161
Delta R.T. -0.000 min
Lab File: VN085057.D
Acq: 27 Nov 2024 14:20

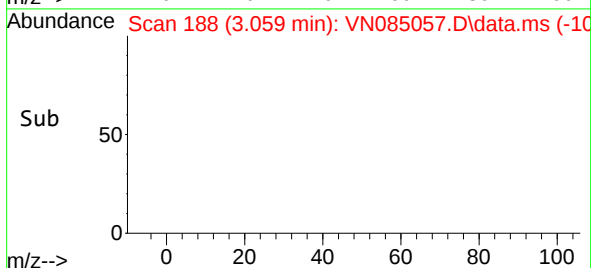
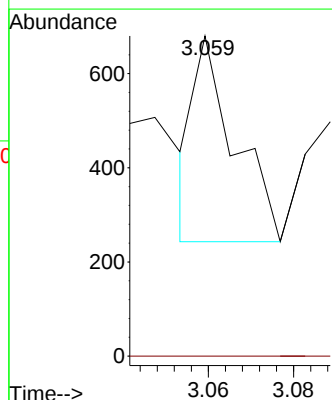
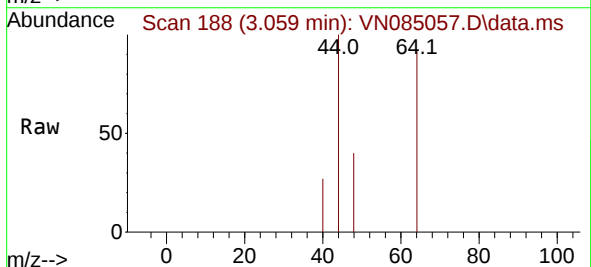
Instrument :
MSVOA_N
ClientSampleId :

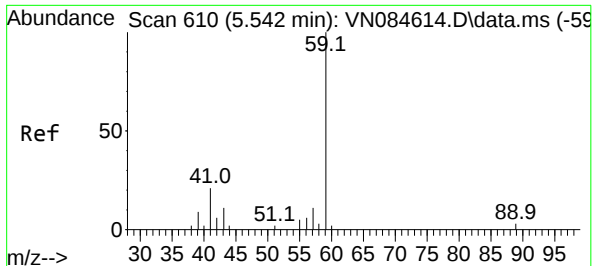
Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 0.0 72.7 109.1#



#6
Chloroethane
Concen: 0.316 ug/l
RT: 3.059 min Scan# 188
Delta R.T. -0.000 min
Lab File: VN085057.D
Acq: 27 Nov 2024 14:20

Tgt Ion: 64 Resp: 288
Ion Ratio Lower Upper
64 100
66 0.0 22.1 33.1#





#23

tert-Butyl Alcohol

Concen: 0.817 ug/l

RT: 5.535 min Scan# 610

Delta R.T. -0.006 min

Lab File: VN085057.D

Acq: 27 Nov 2024 14:20

Instrument :

MSVOA_N

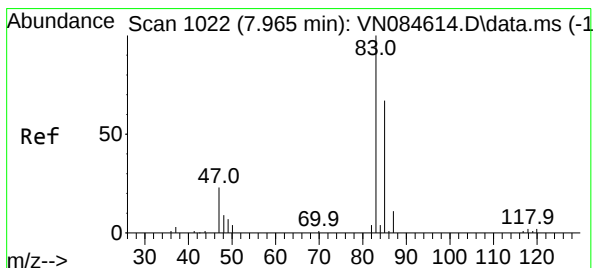
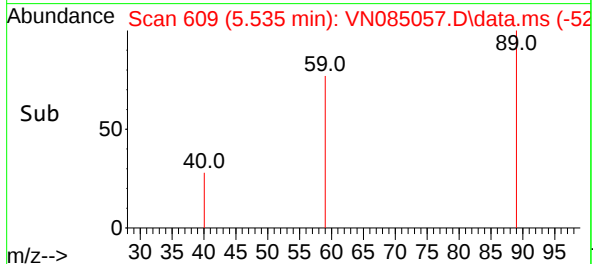
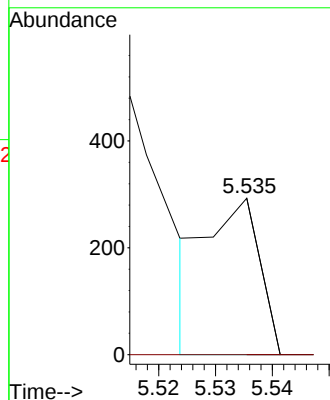
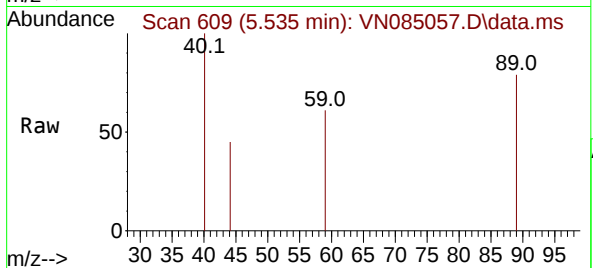
ClientSampleId :

Tgt Ion: 59 Resp: 181

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 0.569 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. -0.006 min

Lab File: VN085057.D

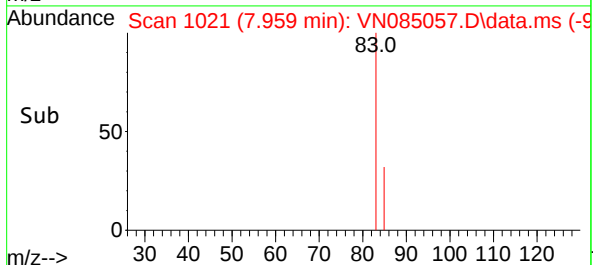
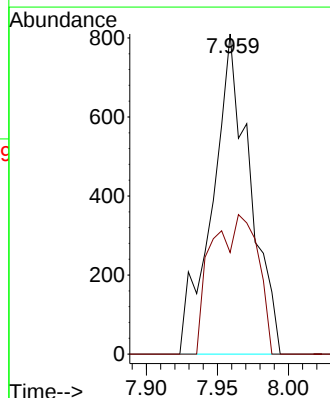
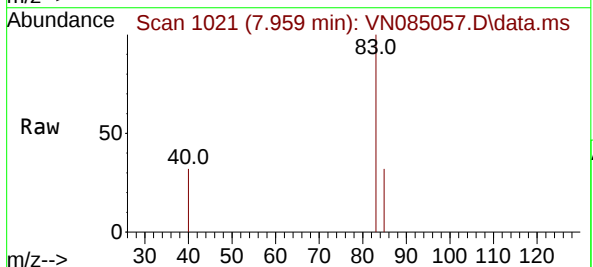
Acq: 27 Nov 2024 14:20

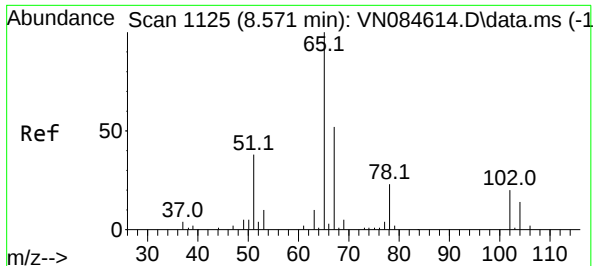
Tgt Ion: 83 Resp: 1489

Ion Ratio Lower Upper

83 100

85 31.7 53.4 80.2#

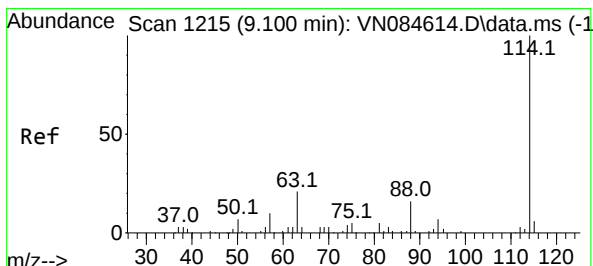
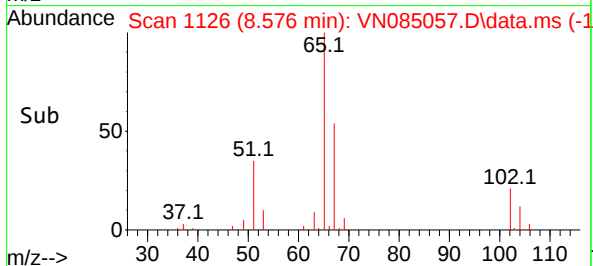
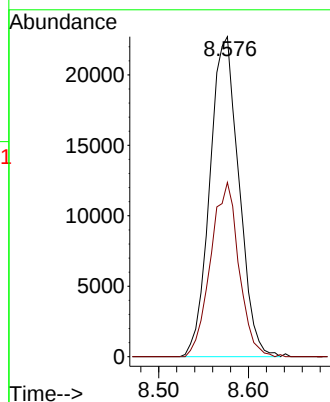
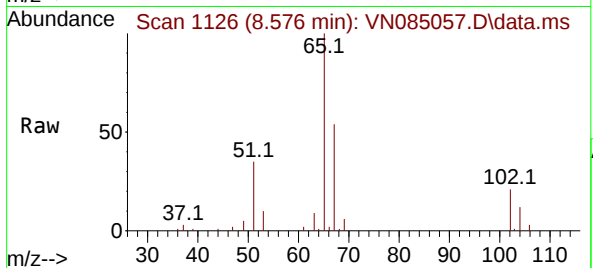




#27
1,2-Dichloroethane-d4
Concen: 29.745 ug/l
RT: 8.576 min Scan# 1125
Delta R.T. 0.006 min
Lab File: VN085057.D
Acq: 27 Nov 2024 14:20

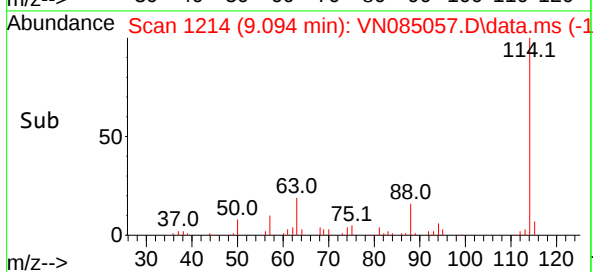
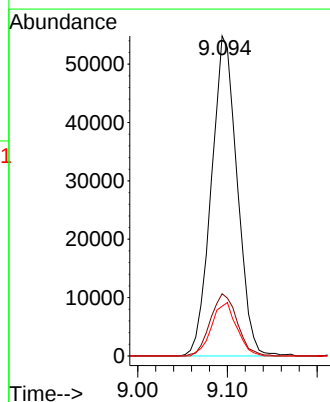
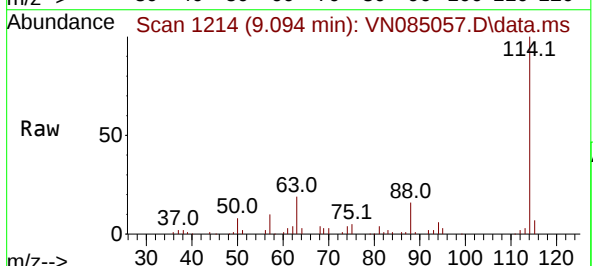
Instrument :
MSVOA_N
ClientSampleId :

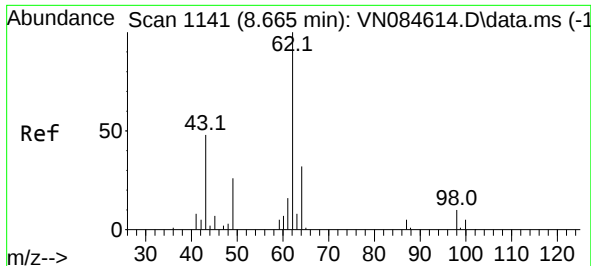
Tgt Ion: 65 Resp: 51084
Ion Ratio Lower Upper
65 100
67 52.7 40.7 61.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.094 min Scan# 1214
Delta R.T. -0.006 min
Lab File: VN085057.D
Acq: 27 Nov 2024 14:20

Tgt Ion: 114 Resp: 109546
Ion Ratio Lower Upper
114 100
63 20.2 16.8 25.2
88 16.3 12.9 19.3





#36

1,2-Dichloroethane

Concen: 2.322 ug/l

RT: 9.106 min Scan# 1141

Delta R.T. 0.441 min

Lab File: VN085057.D

Acq: 27 Nov 2024 14:20

Instrument :

MSVOA_N

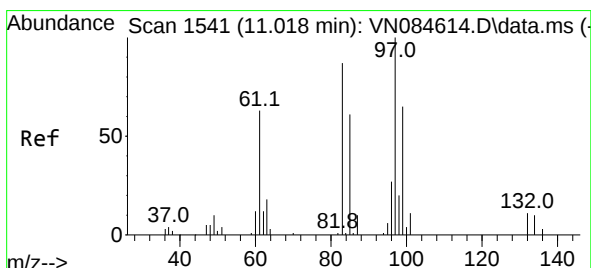
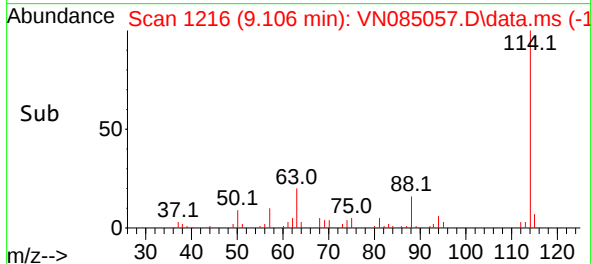
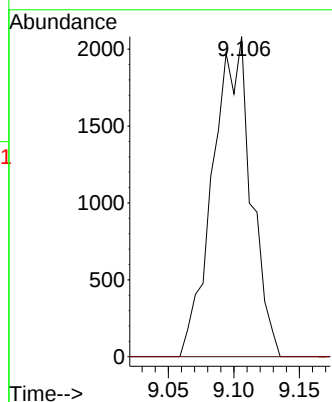
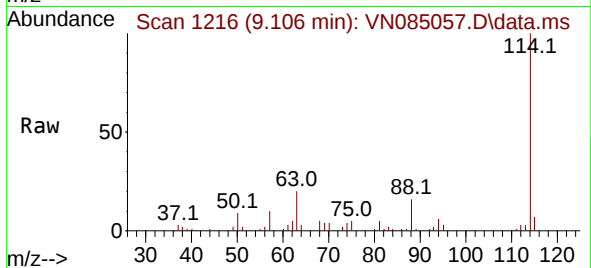
ClientSampleId :

Tgt Ion: 62 Resp: 4211

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.6#



#50

1,1,2-Trichloroethane

Concen: 3.574 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.453 min

Lab File: VN085057.D

Acq: 27 Nov 2024 14:20

Tgt Ion: 97 Resp: 4403

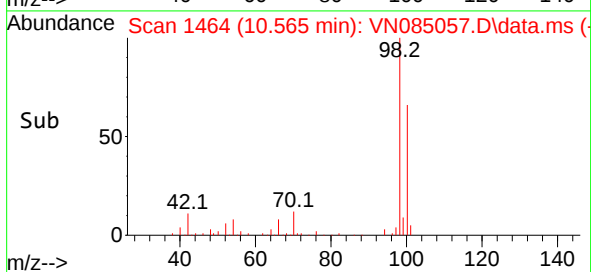
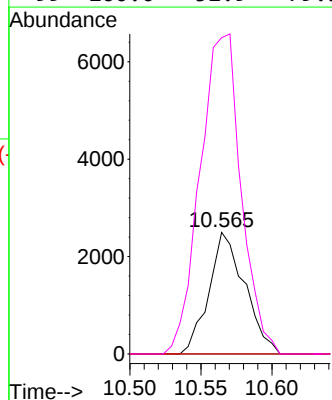
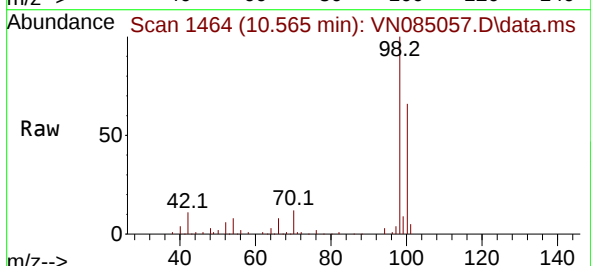
Ion Ratio Lower Upper

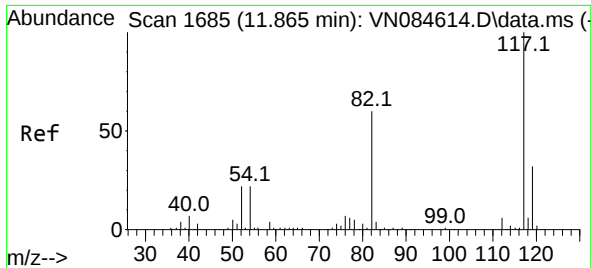
97 100

83 0.0 69.8 104.8#

85 0.0 48.6 73.0#

99 260.0 52.9 79.3#

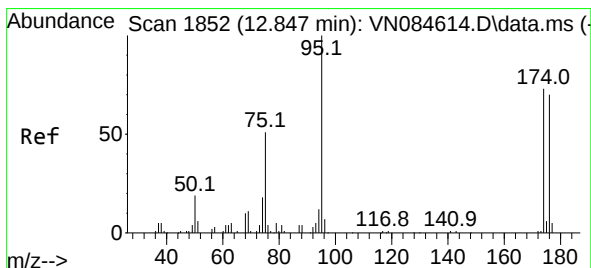
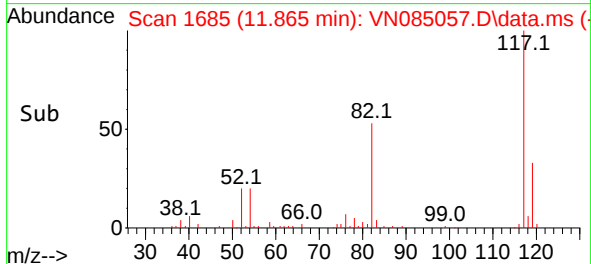
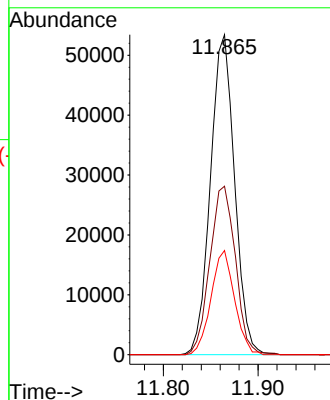
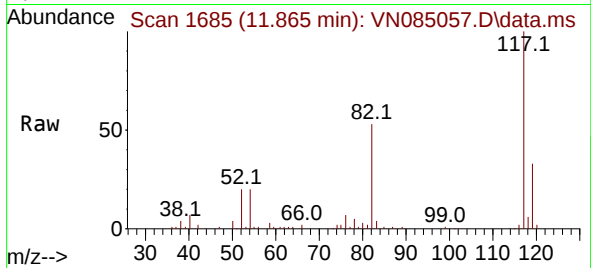




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN085057.D
Acq: 27 Nov 2024 14:20

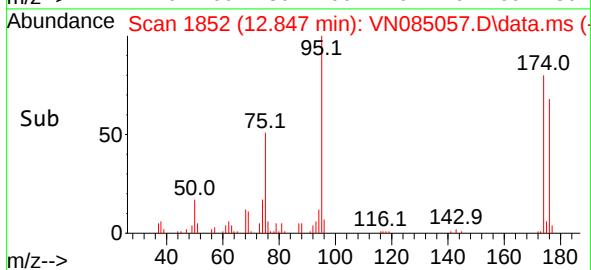
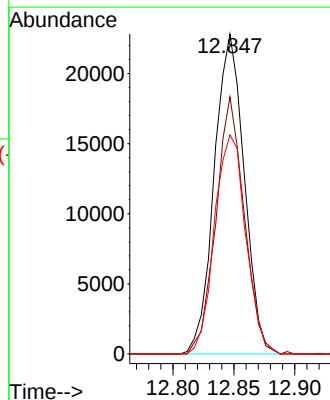
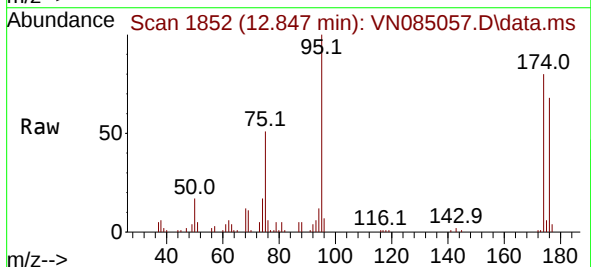
Instrument :
MSVOA_N
ClientSampleId :

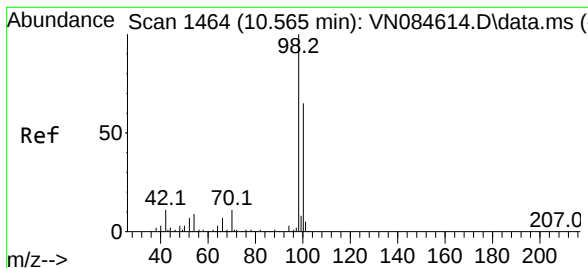
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.5	68.3
119	31.7	25.3	37.9



#60
4-Bromofluorobenzene
Concen: 23.904 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085057.D
Acq: 27 Nov 2024 14:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.0	59.6	89.4
176	71.6	58.6	88.0





#63

Toluene-d8

Concen: 28.091 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085057.D

Acq: 27 Nov 2024 14:20

Instrument :

MSVOA_N

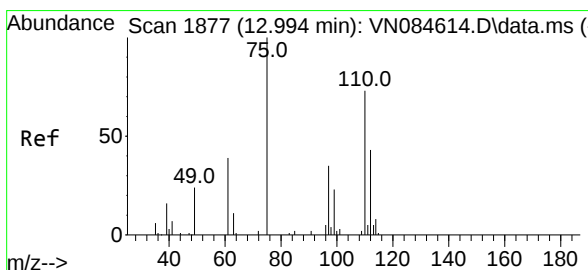
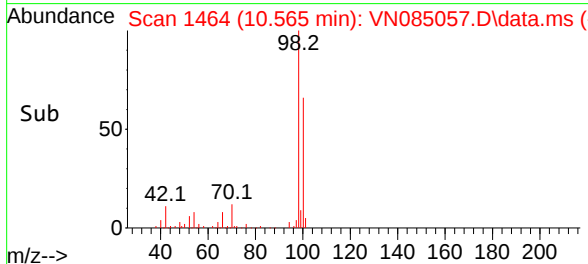
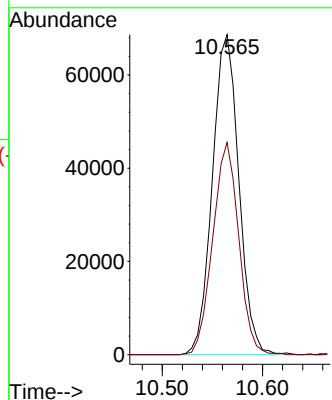
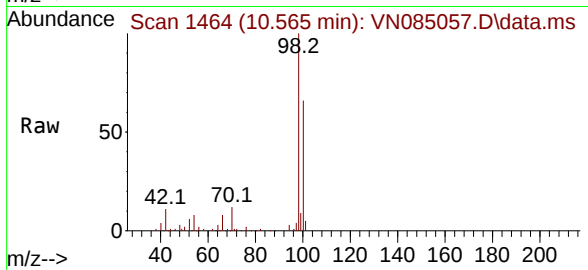
ClientSampleId :

Tgt Ion: 98 Resp: 125867

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#72

1,2,3-Trichloropropane

Concen: 13.301 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN085057.D

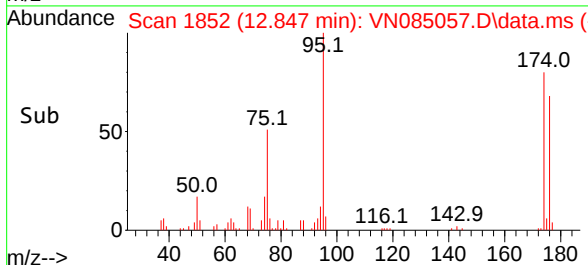
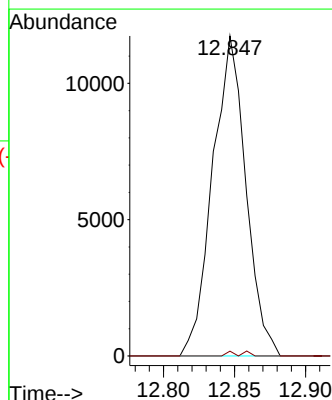
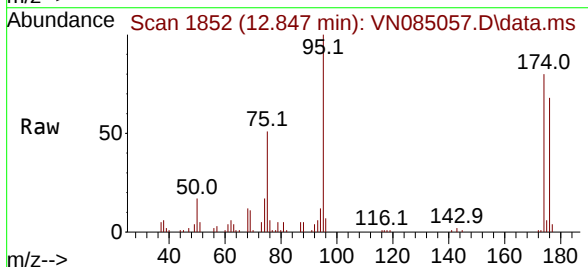
Acq: 27 Nov 2024 14:20

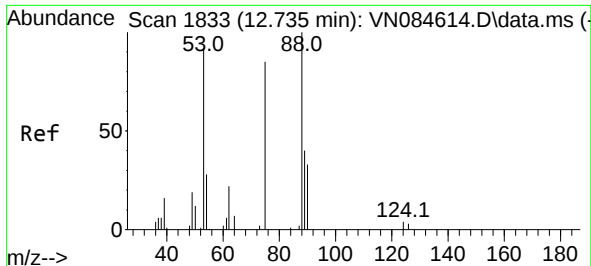
Tgt Ion: 75 Resp: 19134

Ion Ratio Lower Upper

75 100

77 0.3 0.0 358.4





#77

t-1,4-Dichloro-2-butene

Concen: 32.431 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN085057.D

Acq: 27 Nov 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

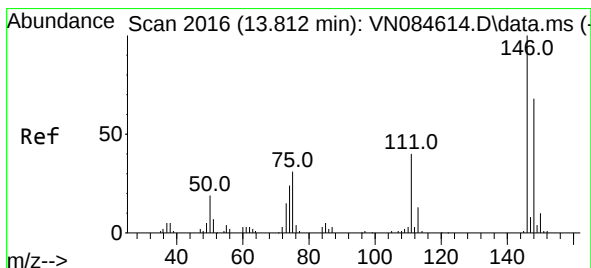
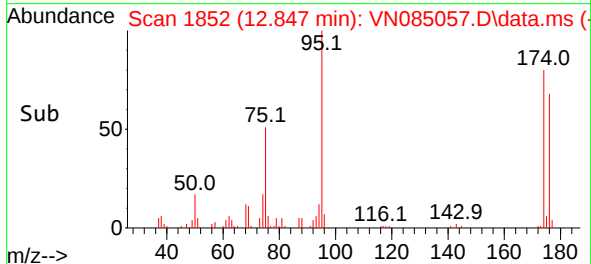
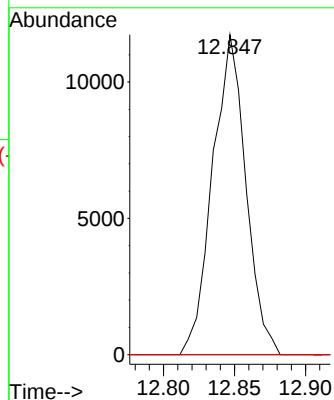
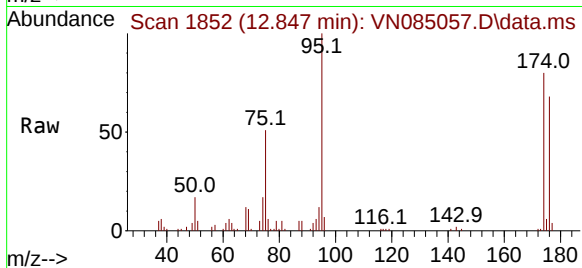
Tgt Ion: 75 Resp: 19134

Ion Ratio Lower Upper

75 100

53 0.0 52.4 157.2#

89 0.0 26.0 78.0#



#84

1,4-Dichlorobenzene

Concen: 0.201 ug/l

RT: 13.806 min Scan# 2015

Delta R.T. -0.006 min

Lab File: VN085057.D

Acq: 27 Nov 2024 14:20

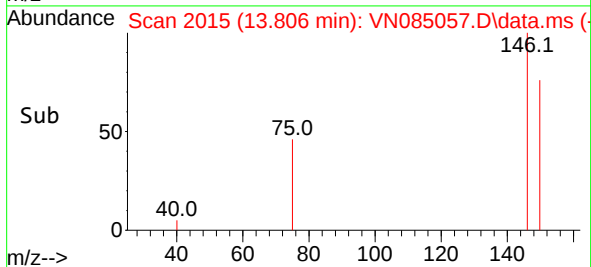
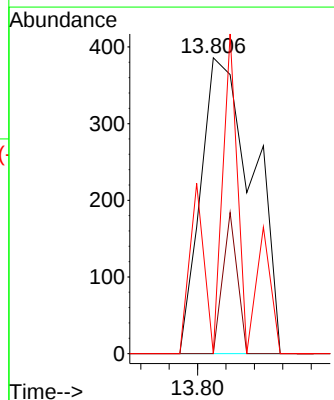
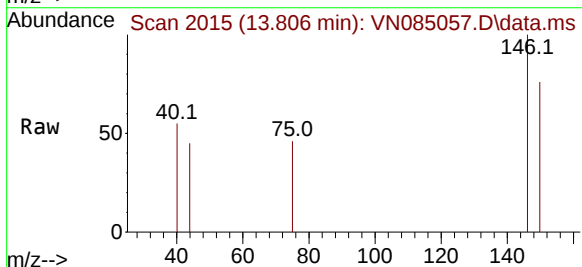
Tgt Ion:146 Resp: 493

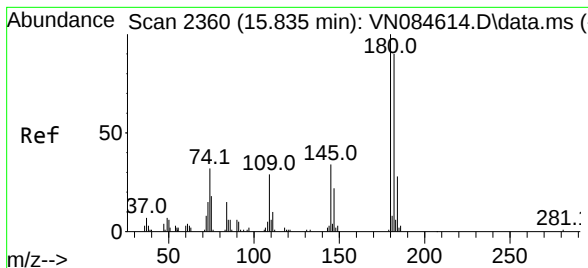
Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

148 29.8 32.6 98.0#





#89

1,2,4-Trichlorobenzene

Concen: 0.280 ug/l

RT: 15.852 min Scan# 21

Delta R.T. 0.017 min

Lab File: VN085057.D

Acq: 27 Nov 2024 14:20

Instrument :

MSVOA_N

ClientSampleId :

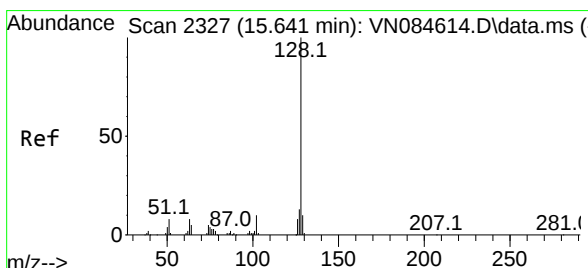
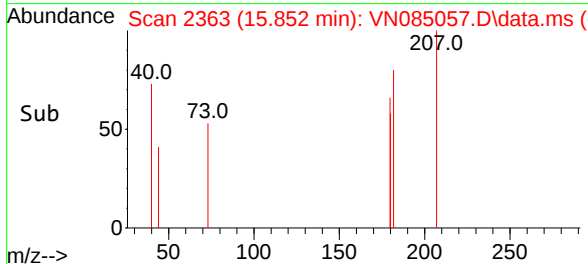
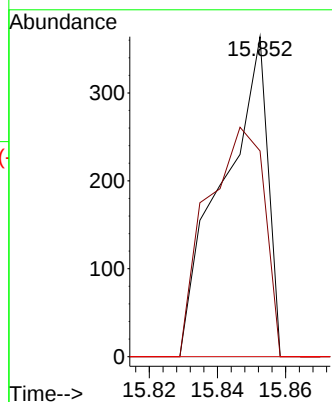
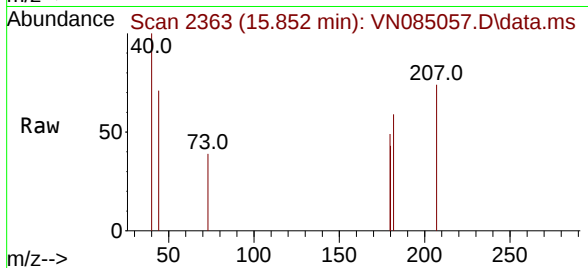
Tgt Ion:180 Resp: 333

Ion Ratio Lower Upper

180 100

182 91.3 73.0 109.6

145 0.0 26.5 39.7#



#91

Naphthalene

Concen: 0.345 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. 0.006 min

Lab File: VN085057.D

Acq: 27 Nov 2024 14:20

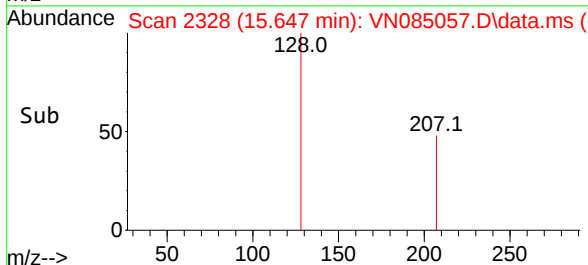
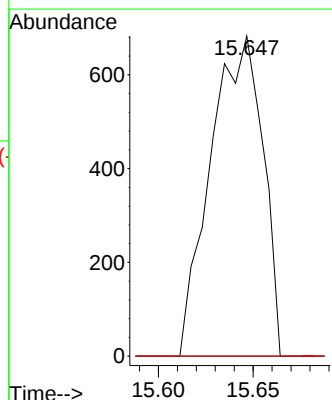
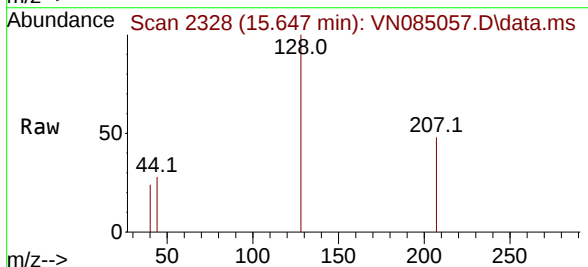
Tgt Ion:128 Resp: 1309

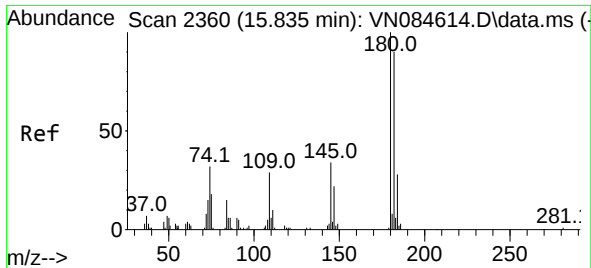
Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

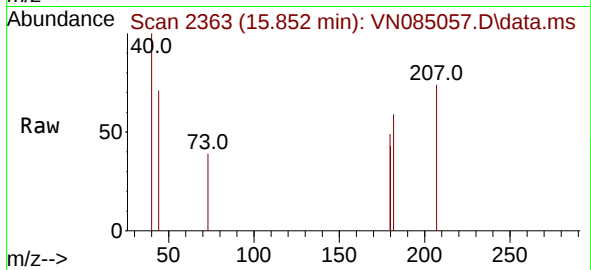
129 0.0 8.6 12.8#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.280 ug/l
 RT: 15.852 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: VN085057.D
 Acq: 27 Nov 2024 14:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 333
 Ion Ratio Lower Upper
 180 100
 182 91.3 0.0 182.6
 145 0.0 0.0 66.2

