

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083714.D
 Acq On : 09 Sep 2024 13:36
 Operator : JC\MD
 Sample : P3790-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 01:20:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

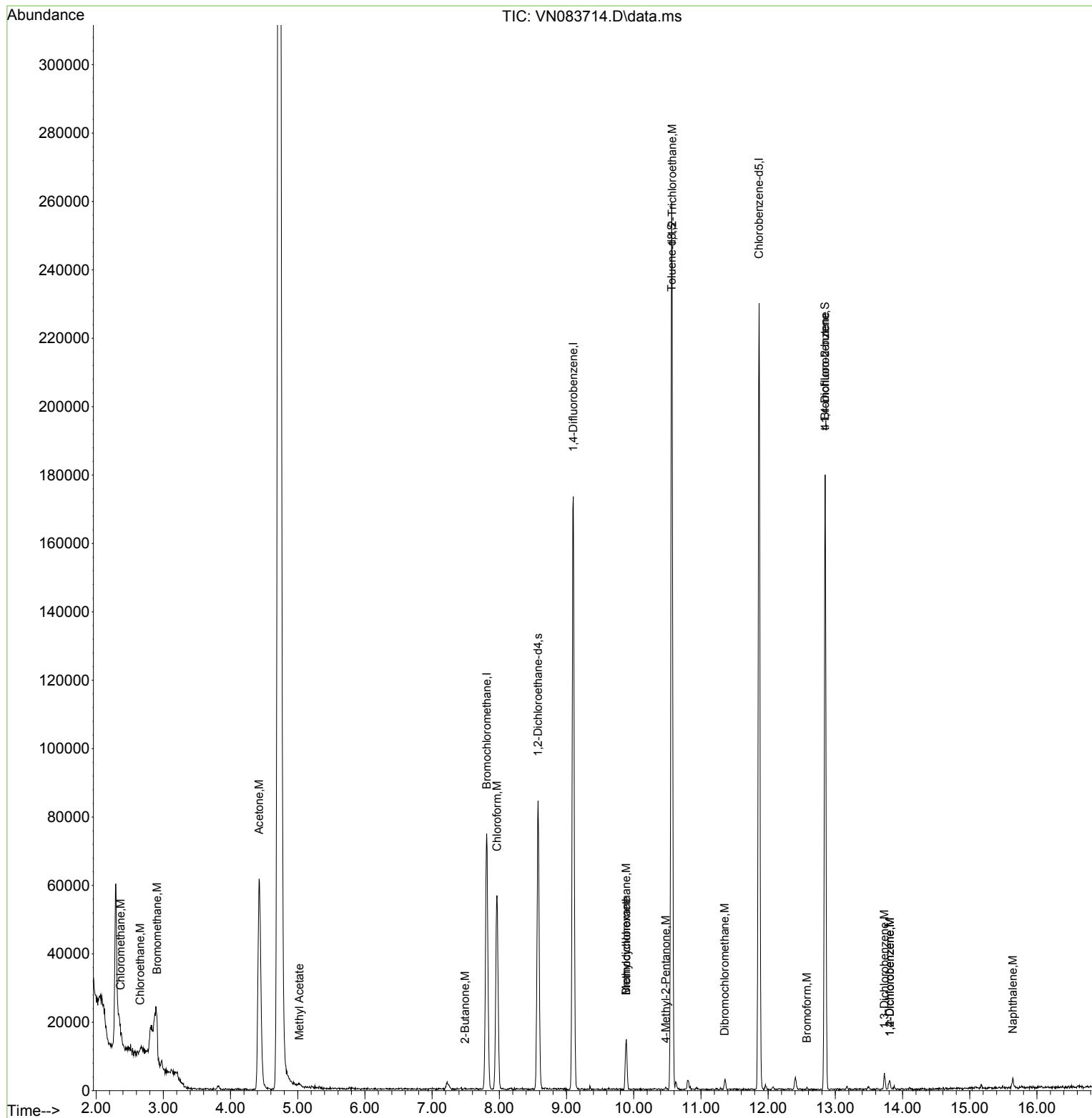
Internal Standards						
1) Bromochloromethane	7.812	128	25268	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	144155	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	125575	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	69861	30.247	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.833%
60) 4-Bromofluorobenzene	12.847	95	62692	28.967	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.567%
63) Toluene-d8	10.565	98	172389	29.648	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.833%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	876	0.498	ug/l #	43
5) Bromomethane	2.906	94	433	0.429	ug/l #	71
6) Chloroethane	2.654	64	493	0.407	ug/l	94
12) Methyl Acetate	5.024	43	1567	0.827	ug/l #	40
15) Acetone	4.424	58	33920	133.412	ug/l	76
25) Chloroform	7.965	83	54578	16.219	ug/l	94
30) 2-Butanone	7.489	43	267	0.248	ug/l #	52
38) Methylcyclohexane	9.888	83	9944	3.633	ug/l #	19
41) Bromodichloromethane	9.888	83	10045	3.913	ug/l #	98
50) 1,1,2-Trichloroethane	10.571	97	5386	3.506	ug/l #	1
53) Dibromochloromethane	11.353	129	1816	0.986	ug/l	91
56) Bromoform	12.576	173	344	0.294	ug/l #	35
58) 4-Methyl-2-Pentanone	10.477	43	656	0.329	ug/l #	38
77) t-1,4-Dichloro-2-butene	12.847	75	34323	43.965	ug/l #	12
83) 1,3-Dichlorobenzene	13.729	146	2104	0.617	ug/l	86
84) 1,4-Dichlorobenzene	13.812	146	1372	0.402	ug/l	91
87) 1,2-Dichlorobenzene	13.812	146	1372	0.415	ug/l	88
91) Naphthalene	15.641	128	3686	0.622	ug/l #	84

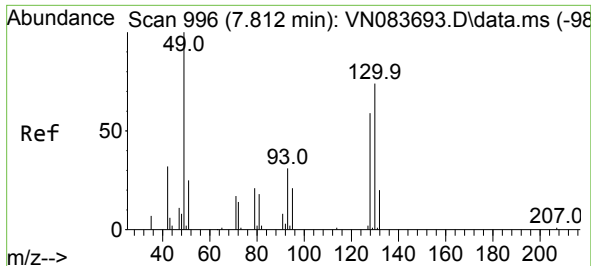
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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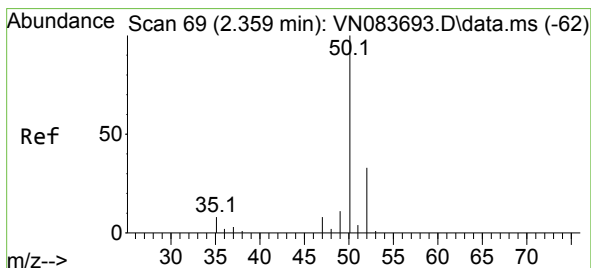
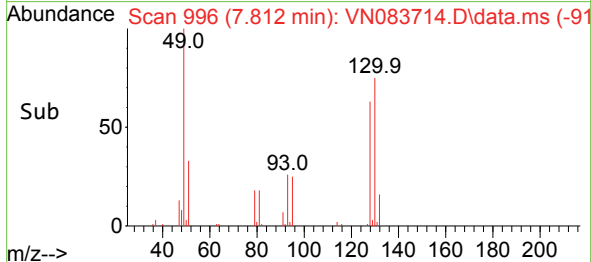
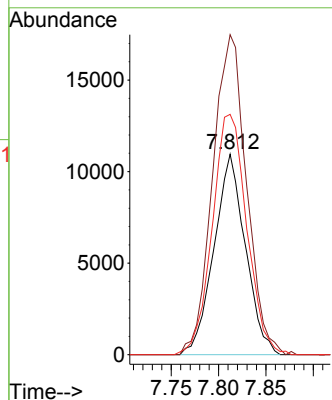
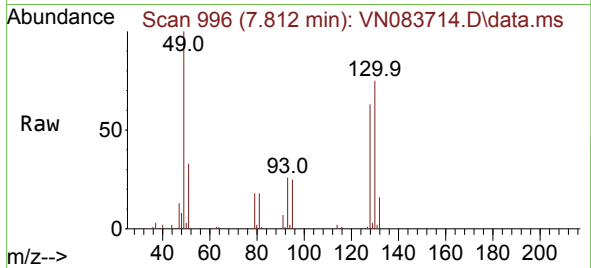




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

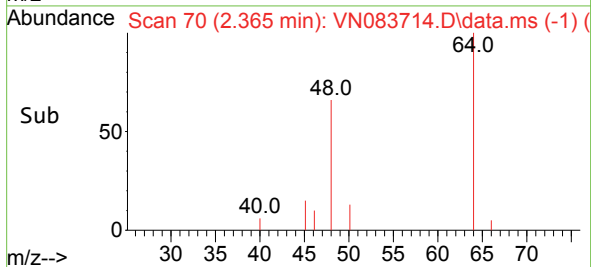
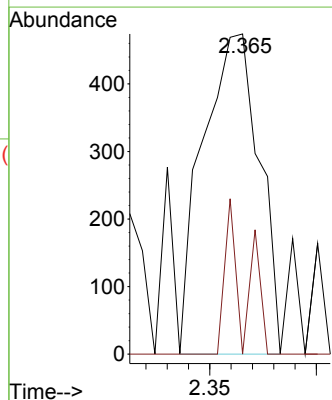
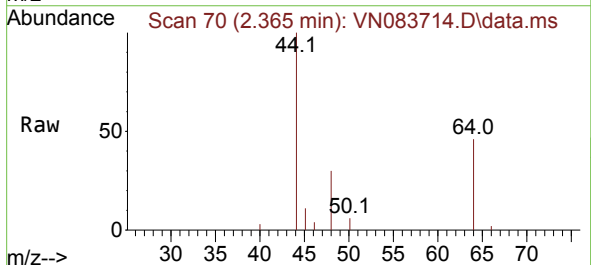
Instrument :
MSVOA_N
ClientSampleId :

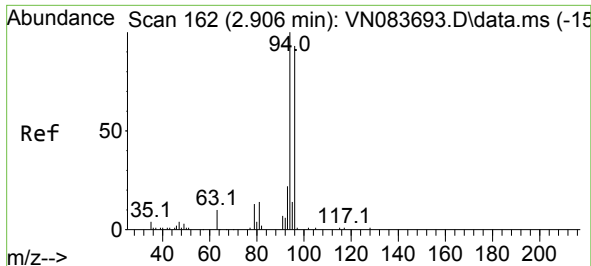
Tgt Ion:128 Resp: 25268
Ion Ratio Lower Upper
128 100
49 171.5 0.0 403.7
130 131.6 0.0 323.3



#3
Chloromethane
Concen: 0.498 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

Tgt Ion: 50 Resp: 876
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

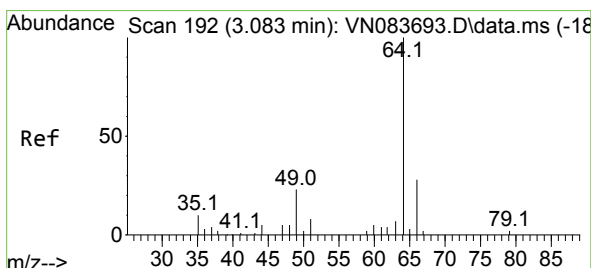
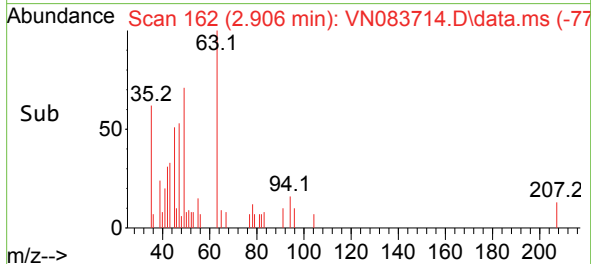
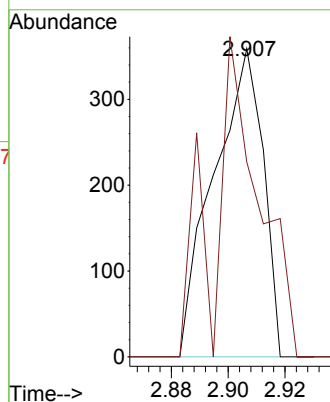
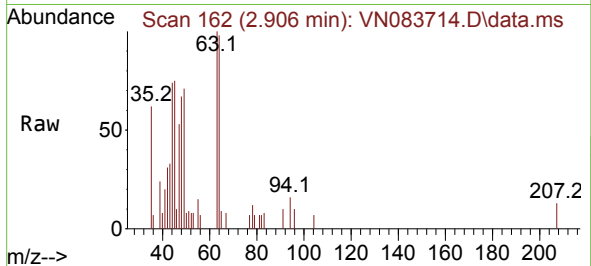




#5
Bromomethane
Concen: 0.429 ug/l
RT: 2.906 min Scan# 119
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

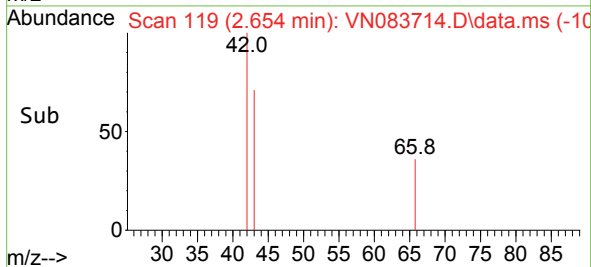
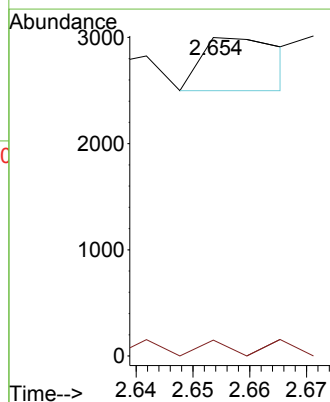
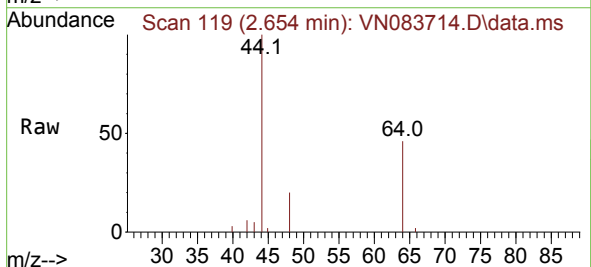
Instrument :
MSVOA_N
ClientSampleId :

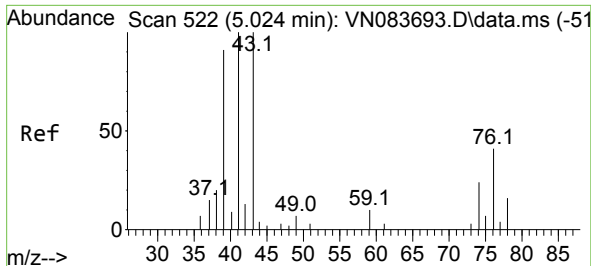
Tgt Ion: 94 Resp: 433
Ion Ratio Lower Upper
94 100
96 63.2 72.8 109.2#



#6
Chloroethane
Concen: 0.407 ug/l
RT: 2.654 min Scan# 119
Delta R.T. -0.429 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

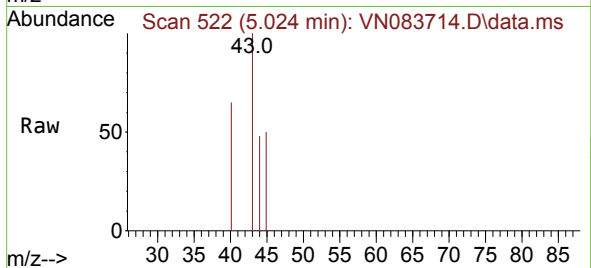
Tgt Ion: 64 Resp: 493
Ion Ratio Lower Upper
64 100
66 29.9 26.7 40.1



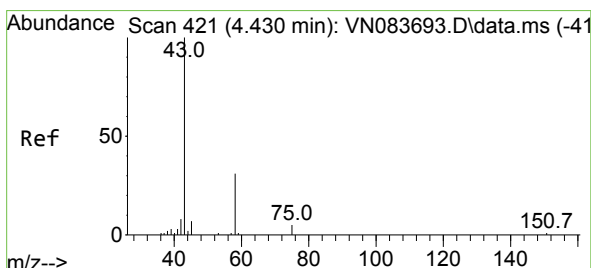
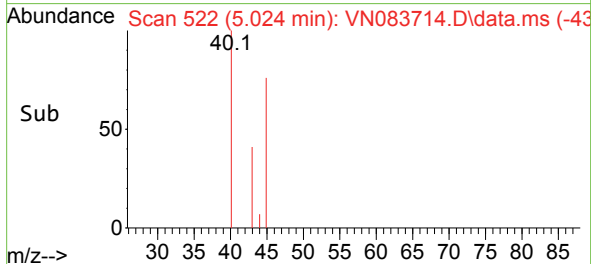
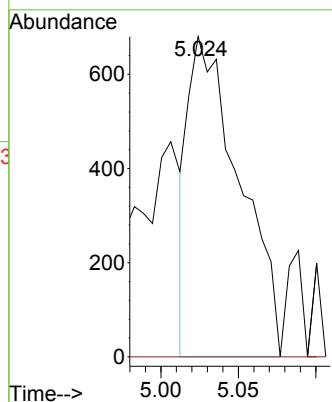


#12
Methyl Acetate
Concen: 0.827 ug/l
RT: 5.024 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

Instrument :
MSVOA_N
ClientSampleId :

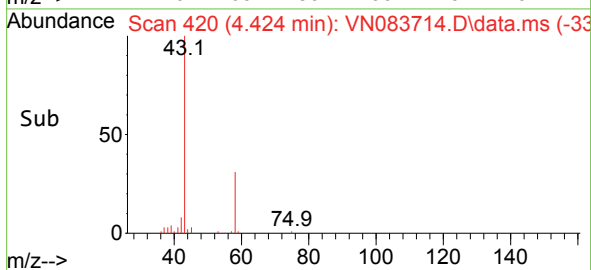
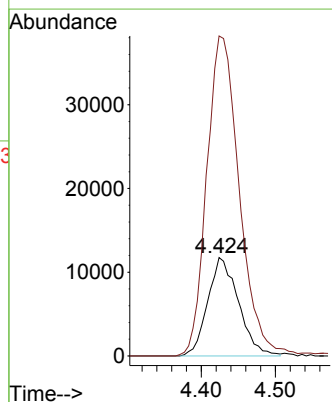
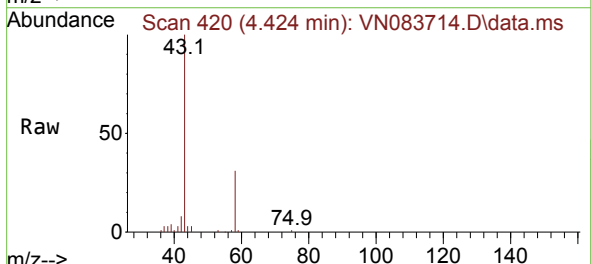


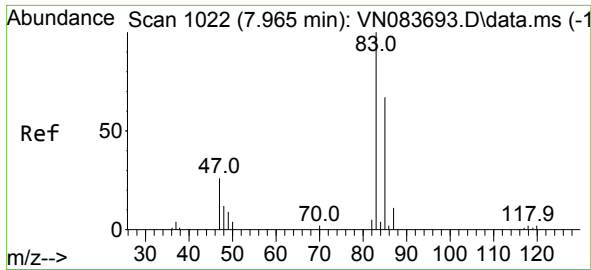
Tgt Ion: 43 Resp: 1567
Ion Ratio Lower Upper
43 100
74 0.0 27.7 41.5#



#15
Acetone
Concen: 133.412 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

Tgt Ion: 58 Resp: 33920
Ion Ratio Lower Upper
58 100
43 323.7 223.1 334.7

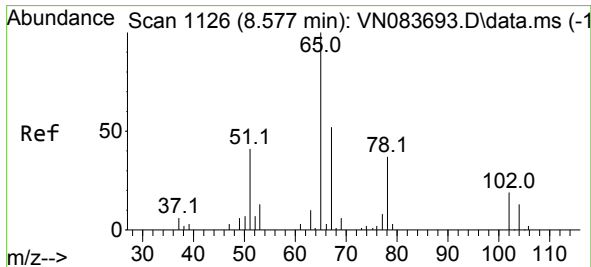
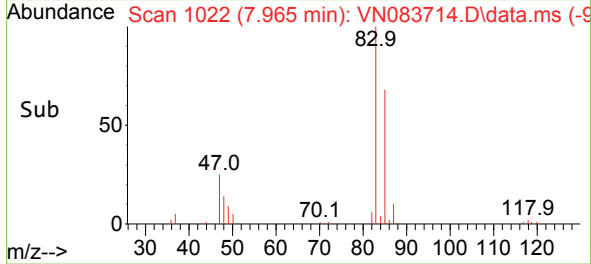
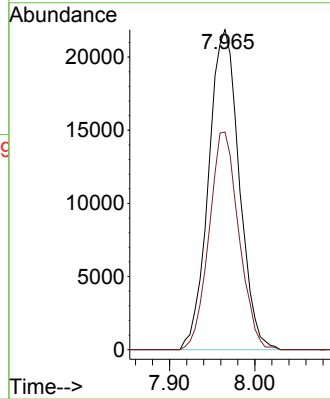
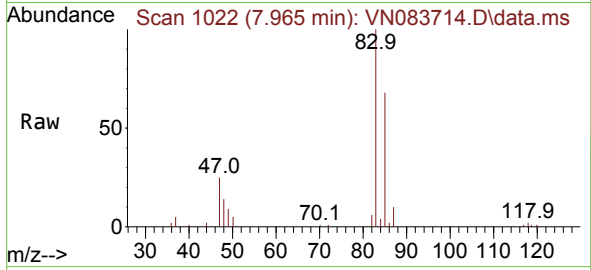




#25
Chloroform
Concen: 16.219 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

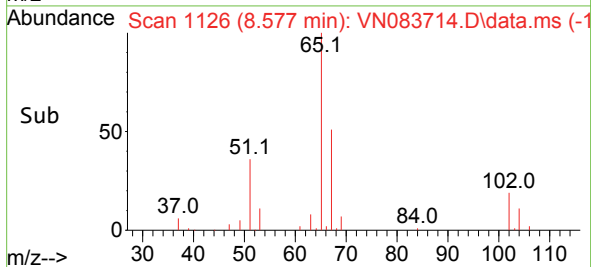
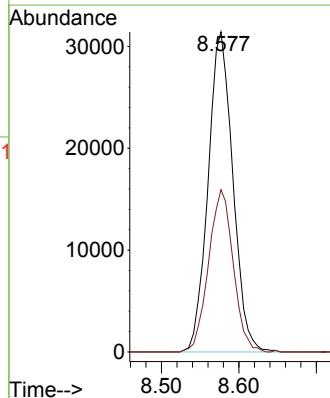
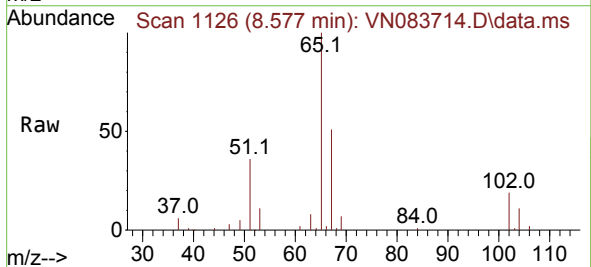
Instrument :
MSVOA_N
ClientSampleId :

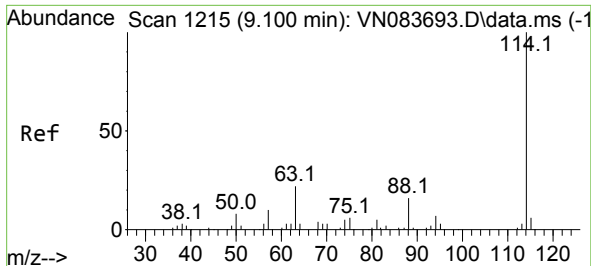
Tgt Ion: 83 Resp: 54578
Ion Ratio Lower Upper
83 100
85 68.0 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 30.247 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

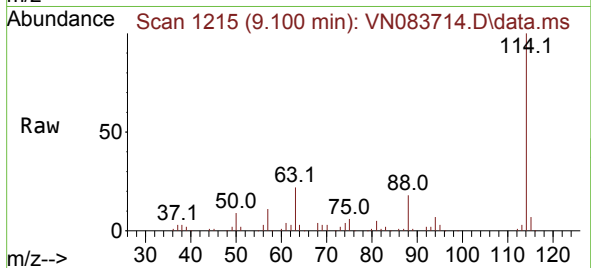
Tgt Ion: 65 Resp: 69861
Ion Ratio Lower Upper
65 100
67 50.6 43.2 64.8



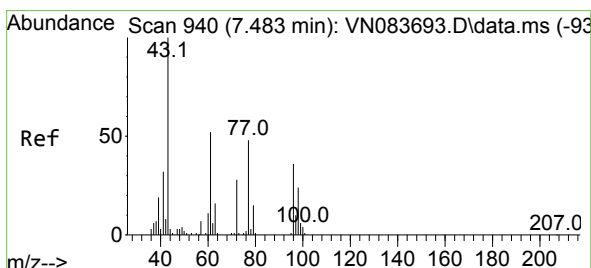
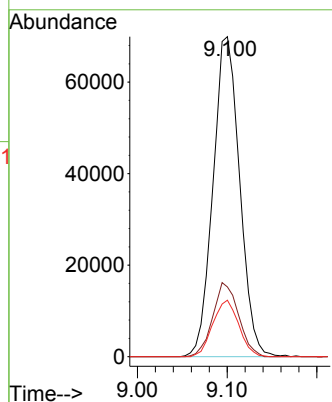
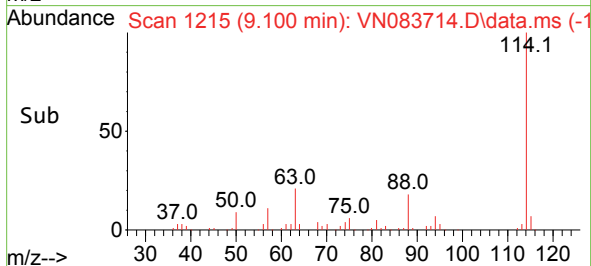


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

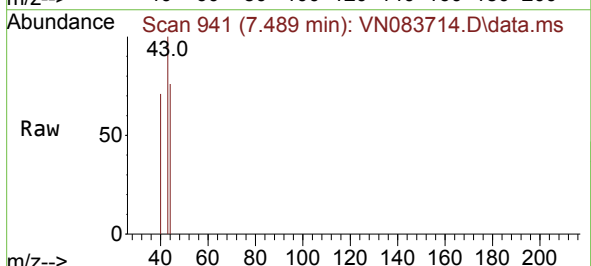
Instrument :
MSVOA_N
ClientSampleId :



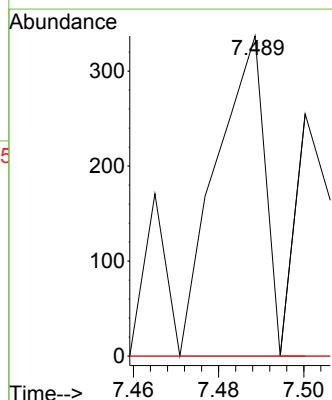
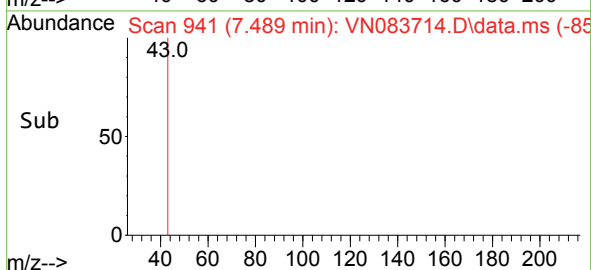
Tgt Ion:114 Resp: 144155
Ion Ratio Lower Upper
114 100
63 22.5 15.9 23.9
88 17.2 12.7 19.1

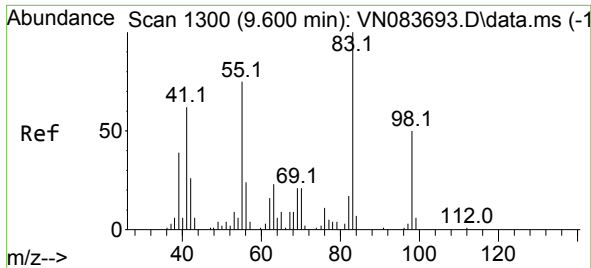


#30
2-Butanone
Concen: 0.248 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36



Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#

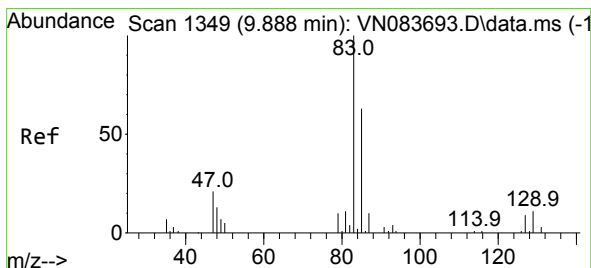
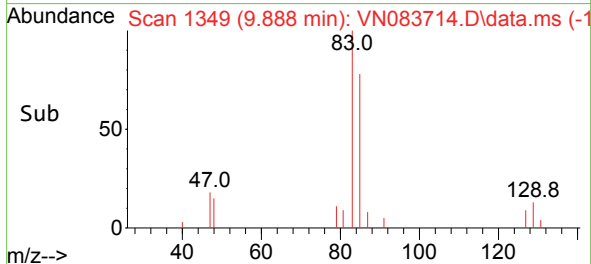
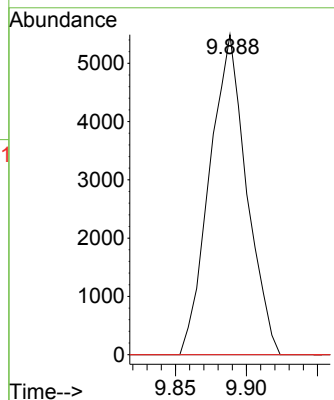
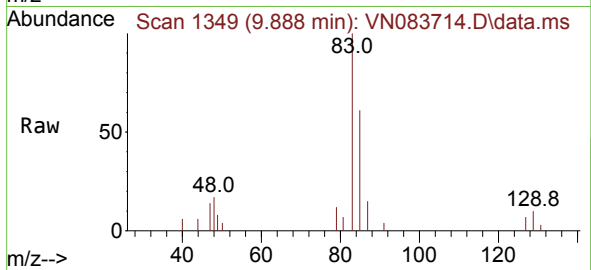




#38
Methylcyclohexane
Concen: 3.633 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.288 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

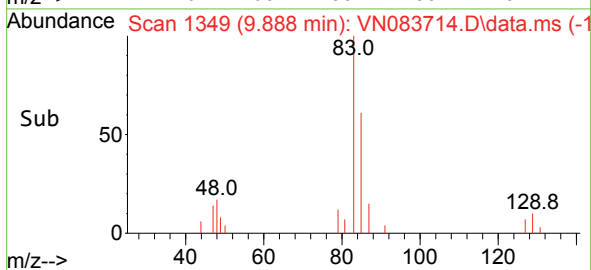
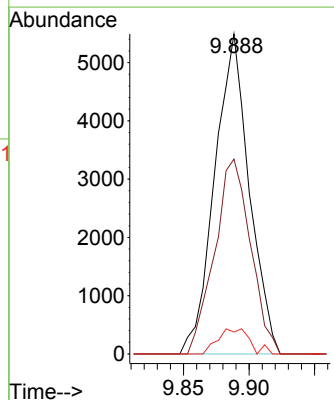
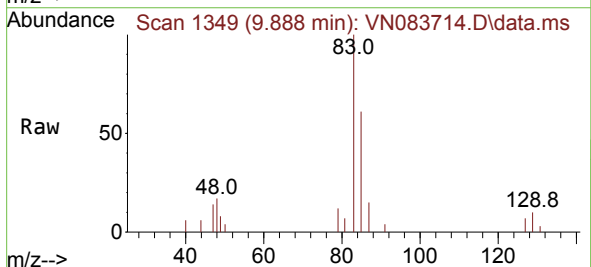
Instrument :
MSVOA_N
ClientSampleId :

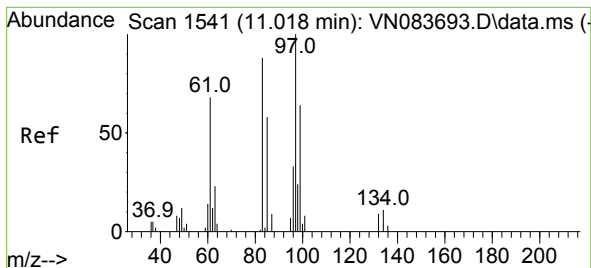
Tgt Ion: 83 Resp: 9944
Ion Ratio Lower Upper
83 100
55 0.0 36.6 109.9#
98 0.0 23.8 71.5#



#41
Bromodichloromethane
Concen: 3.913 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

Tgt Ion: 83 Resp: 10045
Ion Ratio Lower Upper
83 100
85 60.9 49.4 74.2
127 6.9 7.3 10.9#





#50

1,1,2-Trichloroethane

Concen: 3.506 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

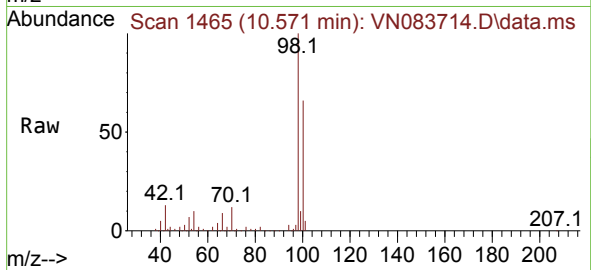
Lab File: VN083714.D

Acq: 09 Sep 2024 13:36

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 5386

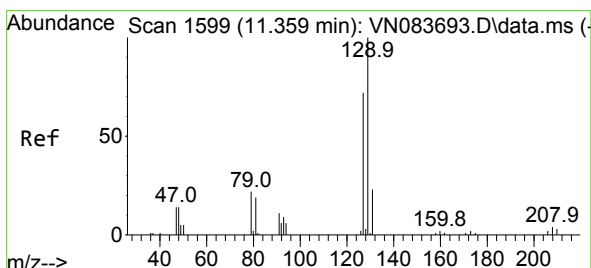
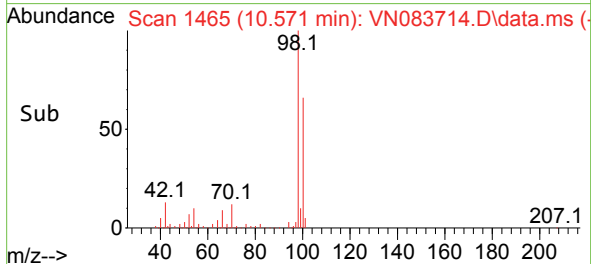
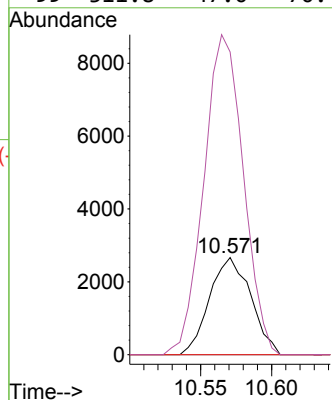
Ion Ratio Lower Upper

97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 311.8 47.0 70.4#



#53

Dibromochloromethane

Concen: 0.986 ug/l

RT: 11.353 min Scan# 1598

Delta R.T. -0.006 min

Lab File: VN083714.D

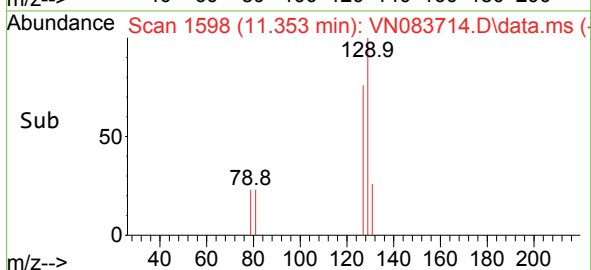
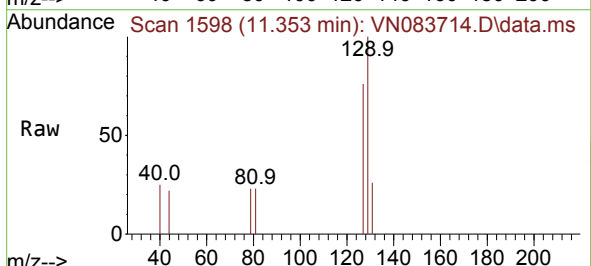
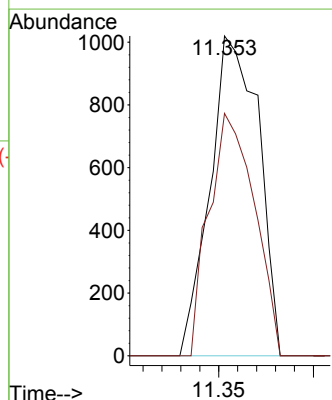
Acq: 09 Sep 2024 13:36

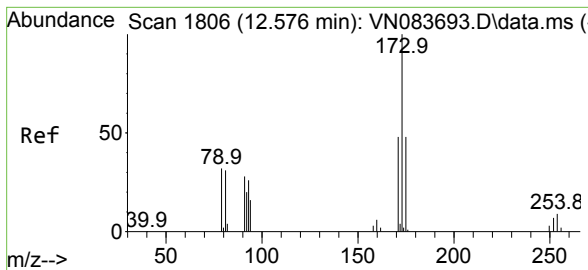
Tgt Ion: 129 Resp: 1816

Ion Ratio Lower Upper

129 100

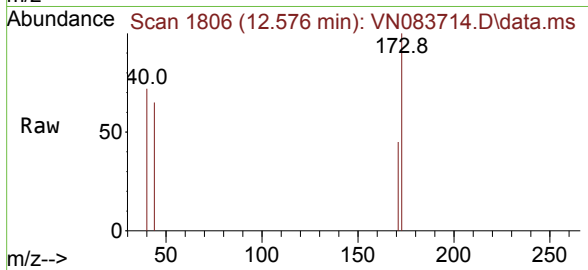
127 71.0 39.4 118.1



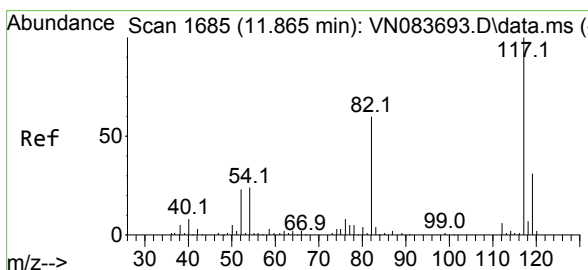
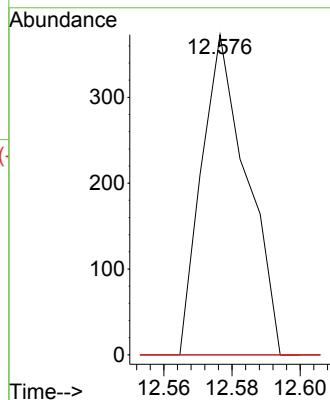
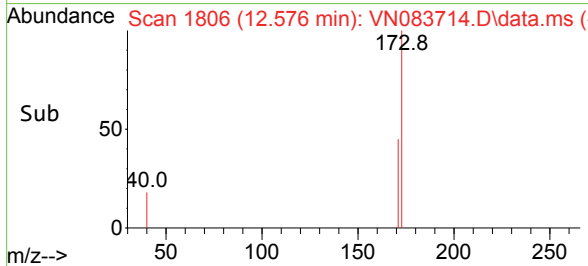


#56
Bromoform
Concen: 0.294 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

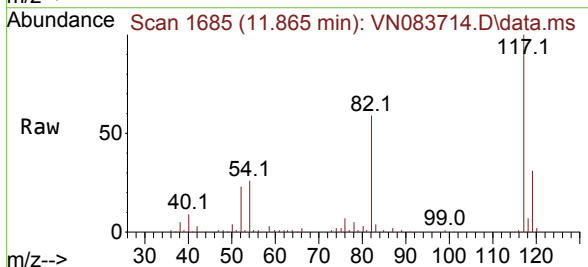
Instrument :
MSVOA_N
ClientSampleId :



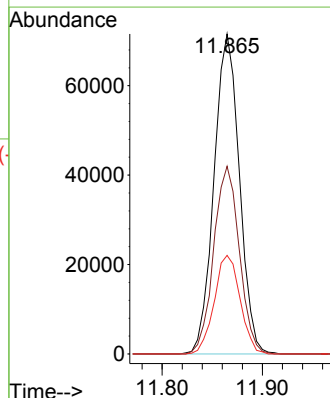
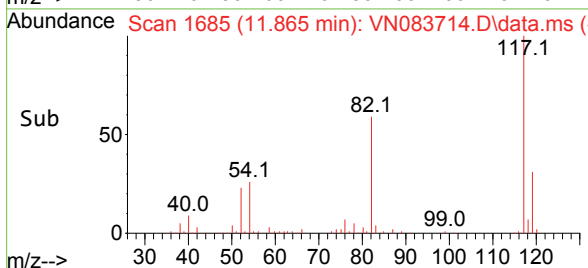
Tgt Ion:173 Resp: 344
Ion Ratio Lower Upper
173 100
175 0.0 40.0 60.0#
254 0.0 8.3 12.5#

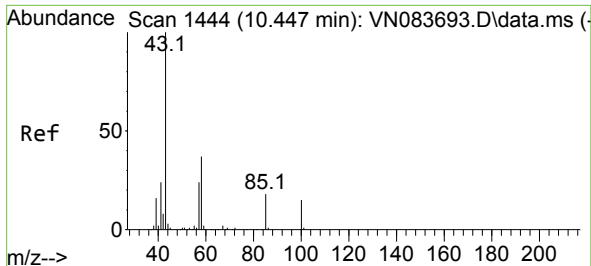


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36



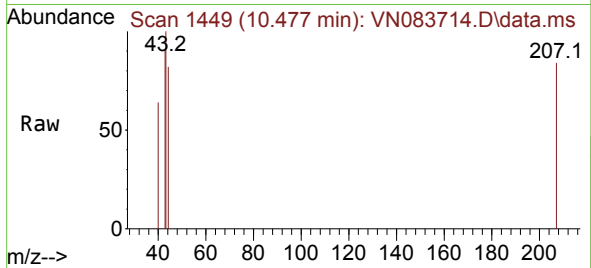
Tgt Ion:117 Resp: 125575
Ion Ratio Lower Upper
117 100
82 59.2 46.6 69.8
119 31.4 25.4 38.2



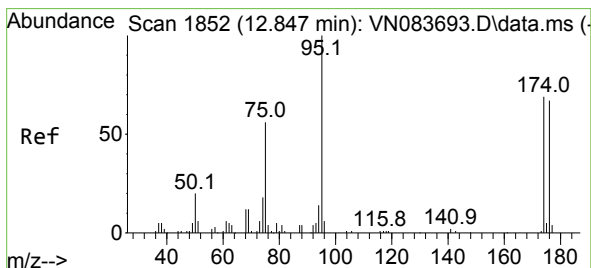
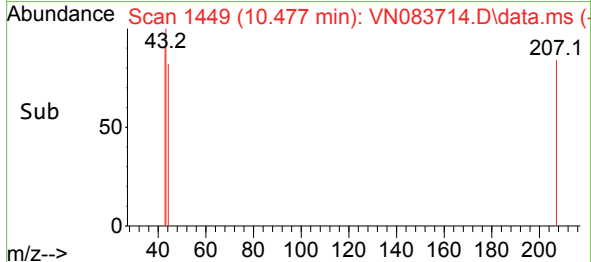
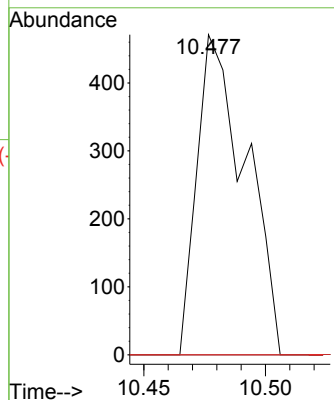


#58
4-Methyl-2-Pentanone
Concen: 0.329 ug/l
RT: 10.477 min Scan# 1449
Delta R.T. 0.030 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

Instrument :
MSVOA_N
ClientSampleId :

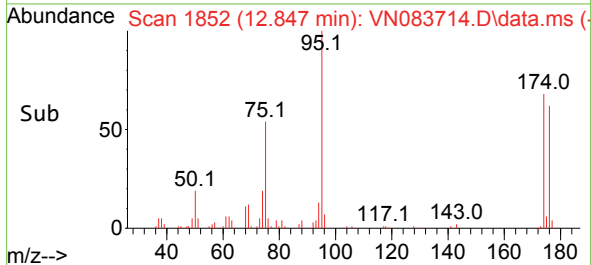
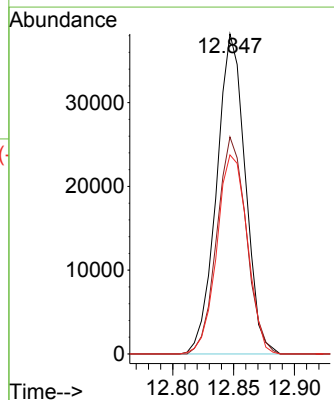
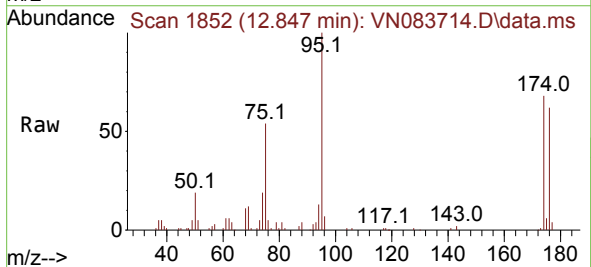


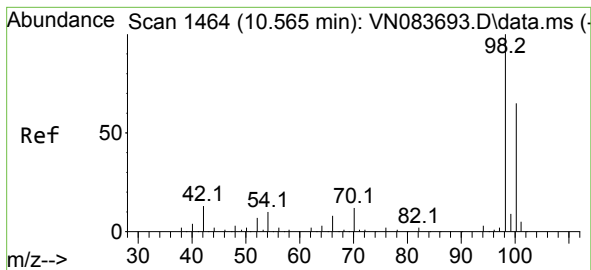
Tgt Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
58 0.0 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 28.967 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

Tgt Ion: 95 Resp: 62692
Ion Ratio Lower Upper
95 100
174 69.5 60.5 90.7
176 66.0 57.8 86.6





#63

Toluene-d8

Concen: 29.648 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083714.D

Acq: 09 Sep 2024 13:36

Instrument :

MSVOA_N

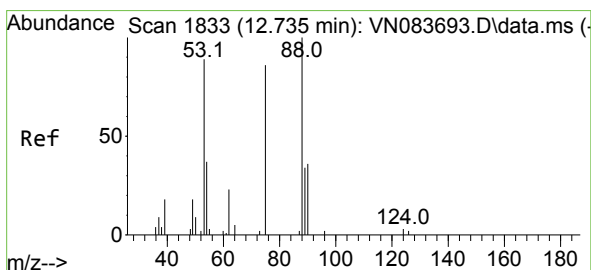
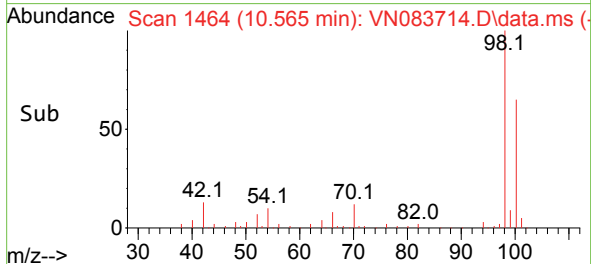
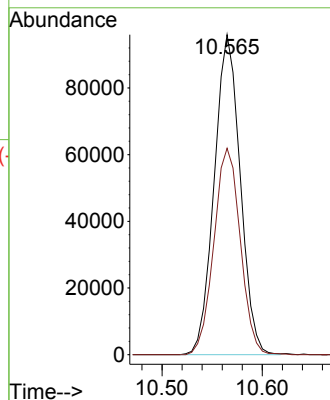
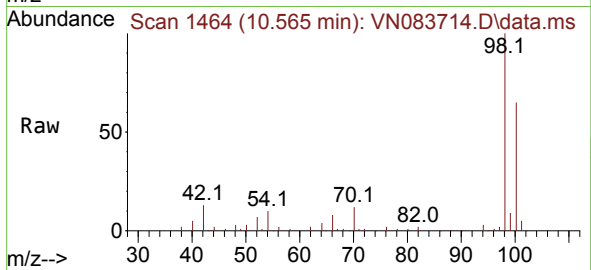
ClientSampleId :

Tgt Ion: 98 Resp: 172389

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1



#77

t-1,4-Dichloro-2-butene

Concen: 43.965 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN083714.D

Acq: 09 Sep 2024 13:36

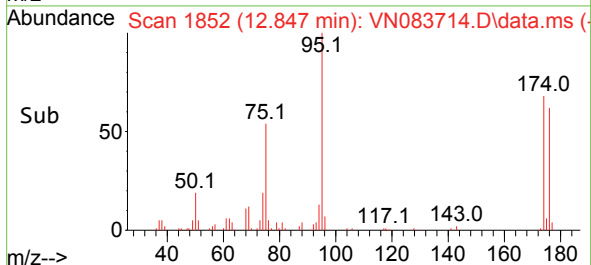
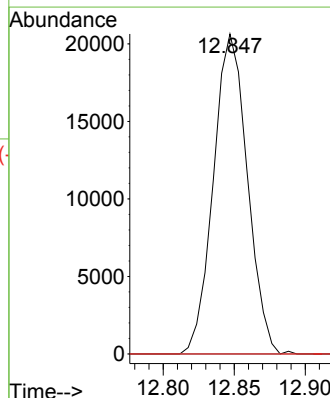
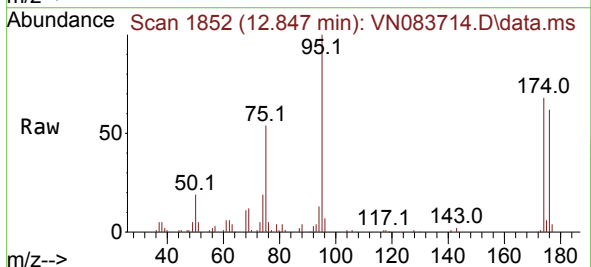
Tgt Ion: 75 Resp: 34323

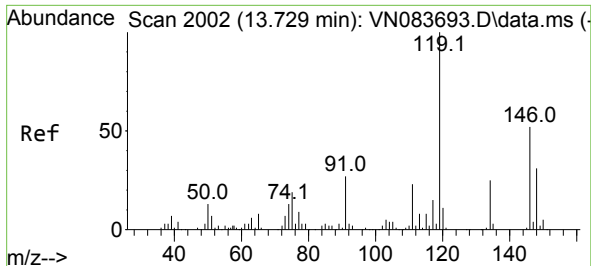
Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

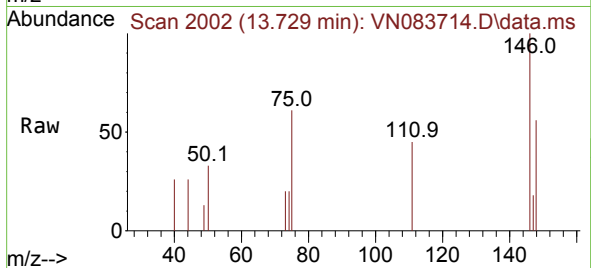
89 0.0 25.9 77.7#



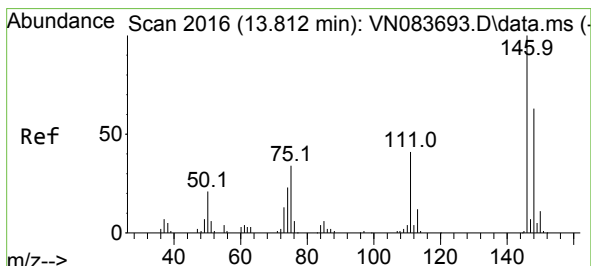
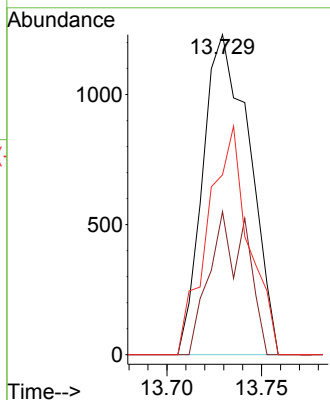
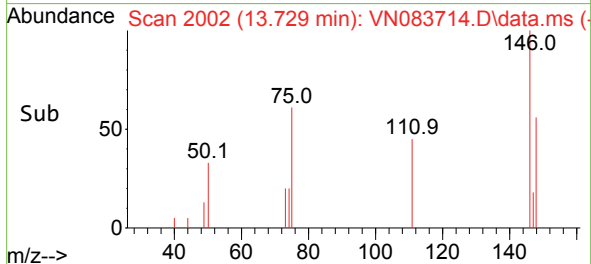


#83
1,3-Dichlorobenzene
Concen: 0.617 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36

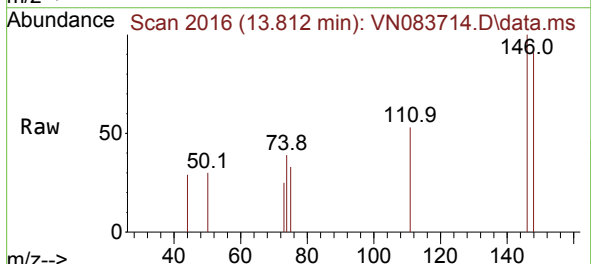
Instrument :
MSVOA_N
ClientSampleId :



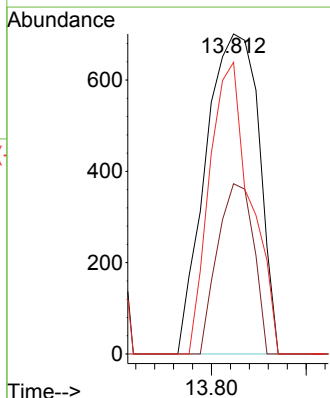
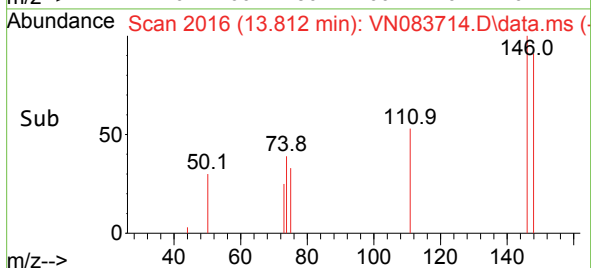
Tgt Ion:146 Resp: 2104
Ion Ratio Lower Upper
146 100
111 23.2 22.4 67.0
148 63.1 32.1 96.5

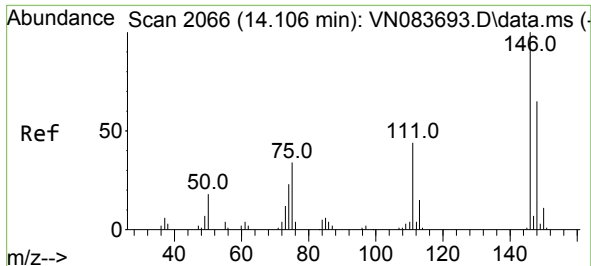


#84
1,4-Dichlorobenzene
Concen: 0.402 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN083714.D
Acq: 09 Sep 2024 13:36



Tgt Ion:146 Resp: 1372
Ion Ratio Lower Upper
146 100
111 36.1 21.3 63.9
148 70.2 31.9 95.5





#87

1,2-Dichlorobenzene

Concen: 0.415 ug/l

RT: 13.812 min Scan# 2066

Delta R.T. -0.294 min

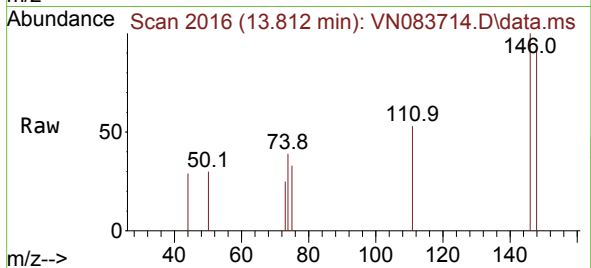
Lab File: VN083714.D

Acq: 09 Sep 2024 13:36

Instrument :

MSVOA_N

ClientSampleId :



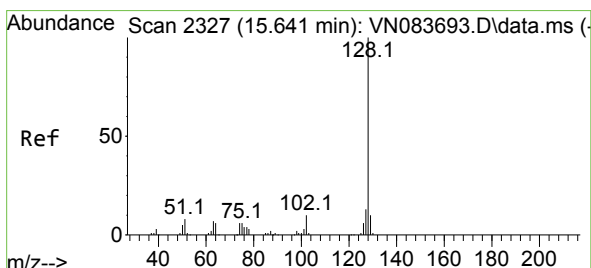
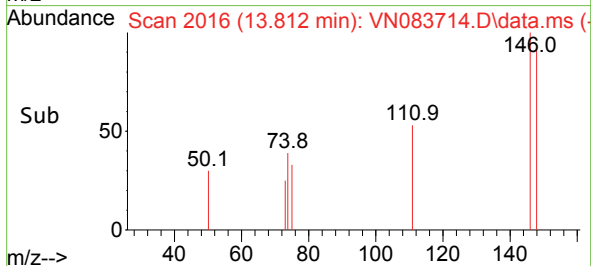
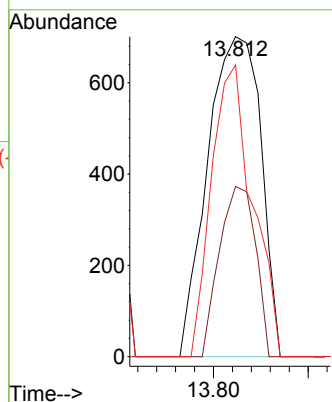
Tgt Ion:146 Resp: 1372

Ion Ratio Lower Upper

146 100

111 36.1 22.6 67.8

148 70.2 31.3 93.8



#91

Naphthalene

Concen: 0.622 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN083714.D

Acq: 09 Sep 2024 13:36

Tgt Ion:128 Resp: 3686

Ion Ratio Lower Upper

128 100

127 5.8 10.6 16.0#

129 6.1 8.6 13.0#

