

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051424\
 Data File : VN082121.D
 Acq On : 14 May 2024 17:39
 Operator : JC\MD
 Sample : P2462-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 02:49:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 14 11:29:16 2024
 Response via : Initial Calibration

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

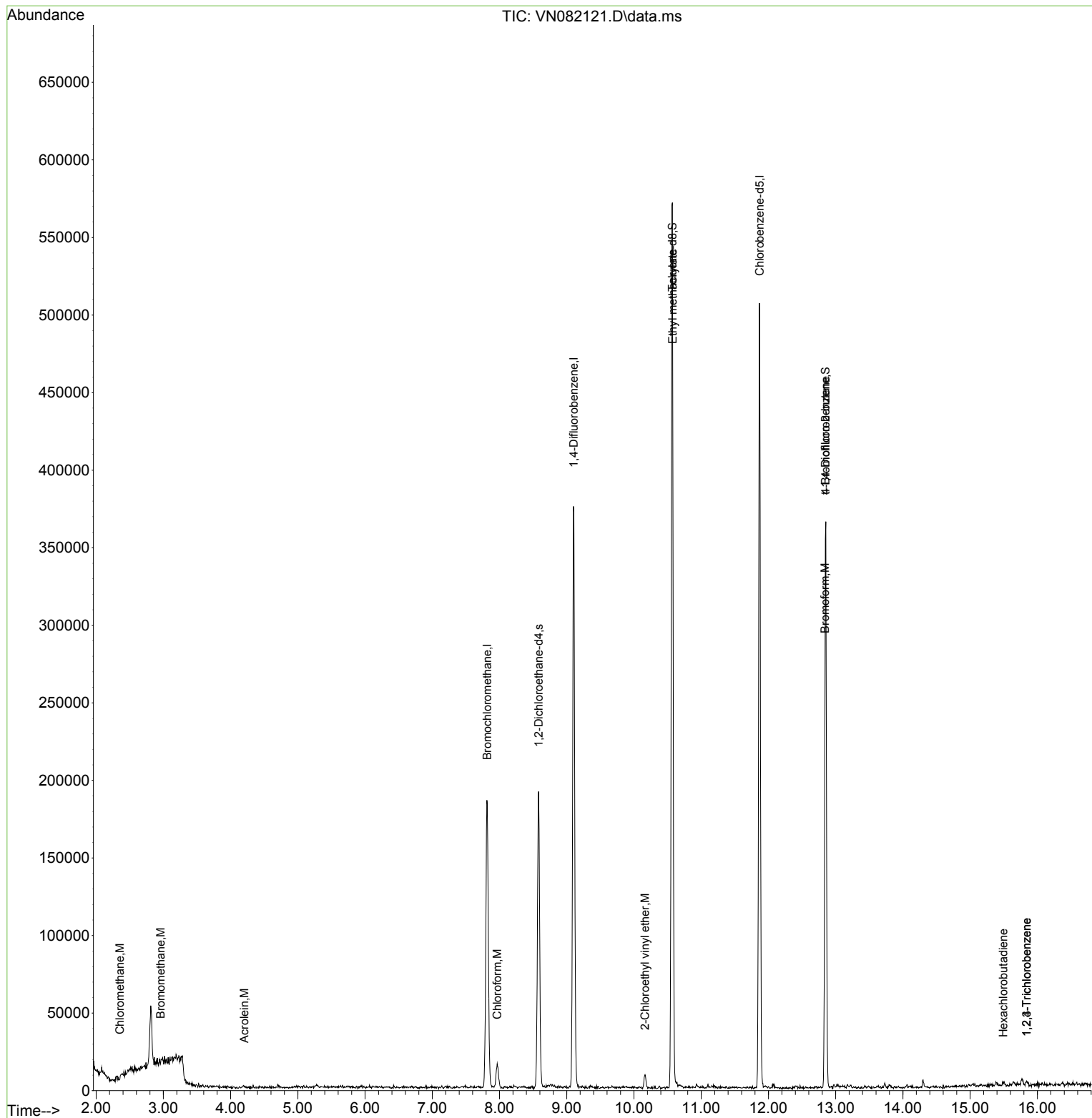
Internal Standards						
1) Bromochloromethane	7.818	128	57592	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	297270	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	264349	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	154648	32.072	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.900%
60) 4-Bromofluorobenzene	12.847	95	111200	25.276	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.267%
63) Toluene-d8	10.571	98	380955	30.345	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.167%
Target Compounds						
					Qvalue	
3) Chloromethane	2.353	50	763	0.201	ug/l #	43
5) Bromomethane	2.959	94	445	0.238	ug/l	89
13) Acrolein	4.206	56	253	0.270	ug/l	91
25) Chloroform	7.965	83	13931	2.003	ug/l	93
51) Ethyl methacrylate	10.576	69	1429	0.240	ug/l #	27
55) 2-Chloroethyl vinyl ether	10.165	63	3857	1.294	ug/l #	81
56) Bromoform	12.841	173	741	0.354	ug/l #	35
77) t-1,4-Dichloro-2-butene	12.847	75	67627	37.162	ug/l #	12
89) 1,2,4-Trichlorobenzene	15.841	180	790	0.246	ug/l #	73
90) Hexachlorobutadiene	15.494	225	401	0.337	ug/l	88
92) 1,2,3-Trichlorobenzene	15.841	180	790	0.246	ug/l	73

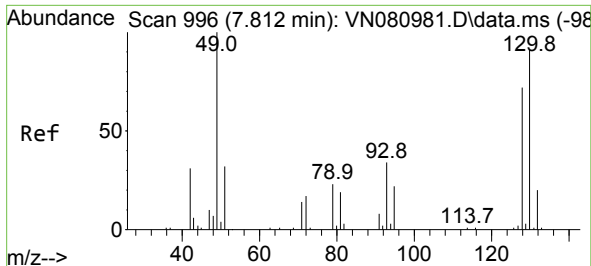
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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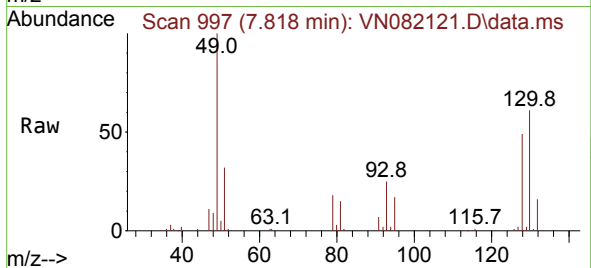
Quant Time: May 15 02:49:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue May 14 11:29:16 2024
Response via : Initial Calibration



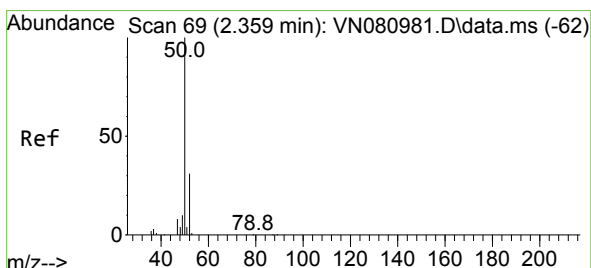
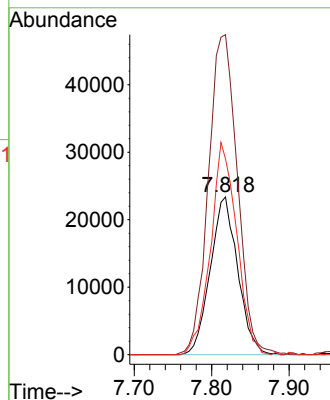
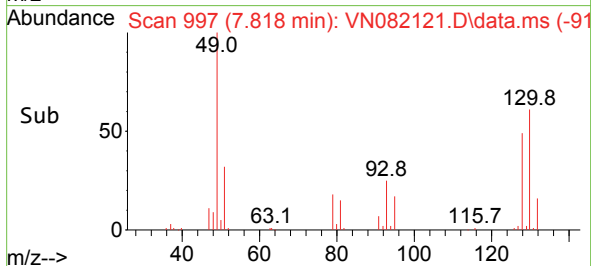


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN082121.D
Acq: 14 May 2024 17:39

Instrument :
MSVOA_N
ClientSampleId :

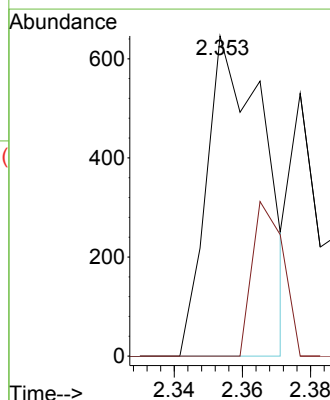
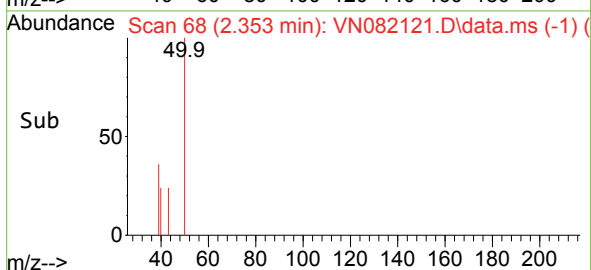
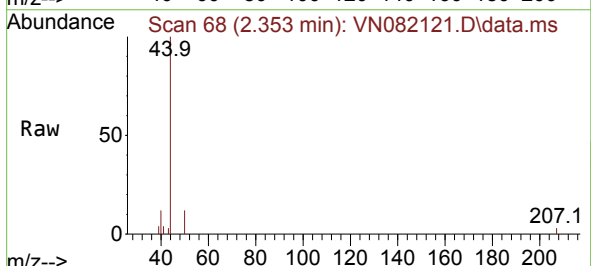


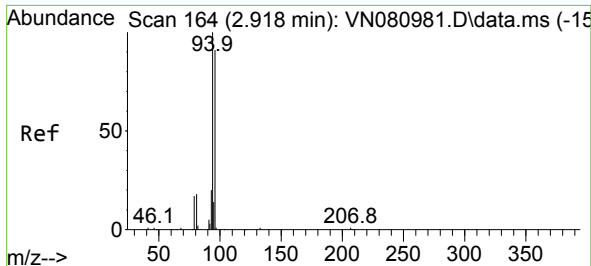
Tgt Ion:128 Resp: 57592
Ion Ratio Lower Upper
128 100
49 214.2 0.0 403.7
130 128.4 0.0 323.3



#3
Chloromethane
Concen: 0.201 ug/l
RT: 2.353 min Scan# 68
Delta R.T. -0.006 min
Lab File: VN082121.D
Acq: 14 May 2024 17:39

Tgt Ion: 50 Resp: 763
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#

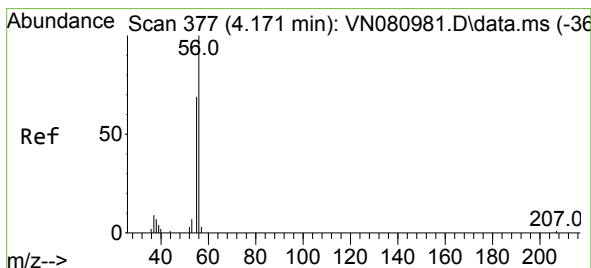
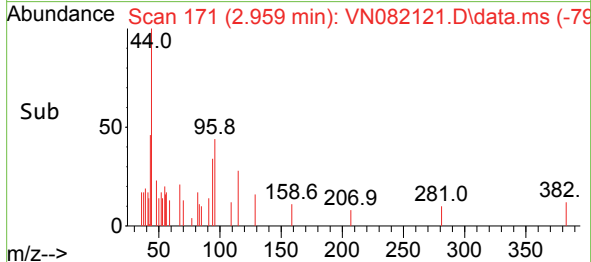
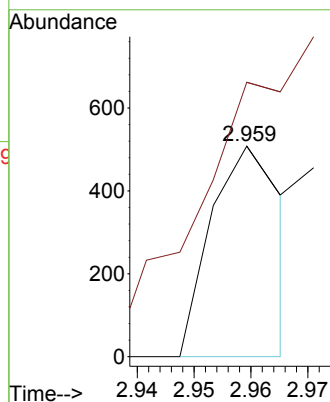
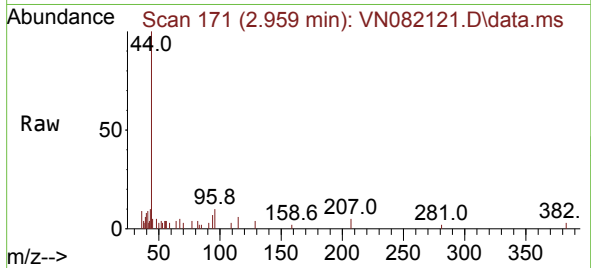




#5
Bromomethane
Concen: 0.238 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN082121.D
Acq: 14 May 2024 17:39

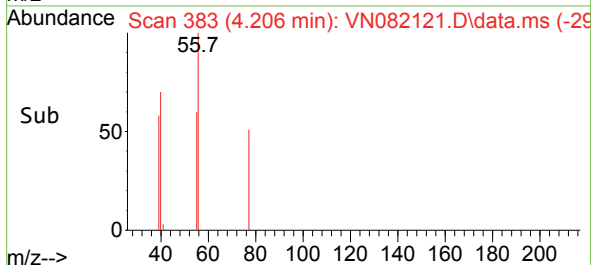
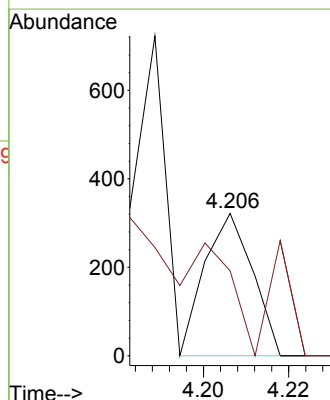
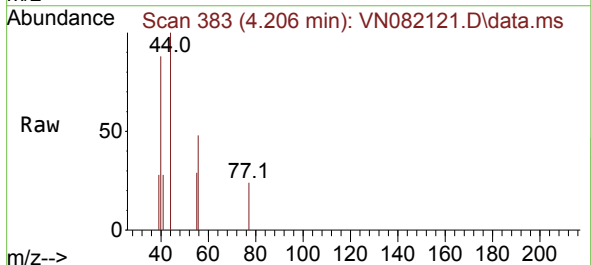
Instrument :
MSVOA_N
ClientSampleId :

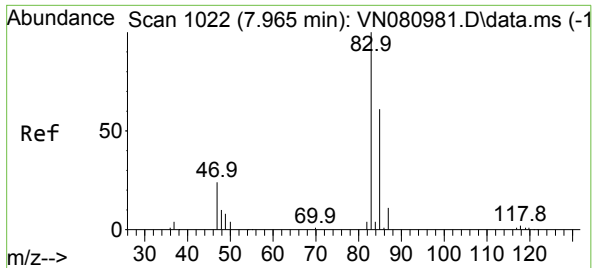
Tgt Ion: 94 Resp: 445
Ion Ratio Lower Upper
94 100
96 80.7 72.8 109.2



#13
Acrolein
Concen: 0.270 ug/l
RT: 4.206 min Scan# 383
Delta R.T. 0.035 min
Lab File: VN082121.D
Acq: 14 May 2024 17:39

Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 62.5 55.5 83.3

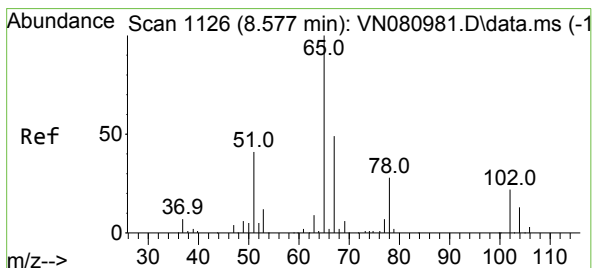
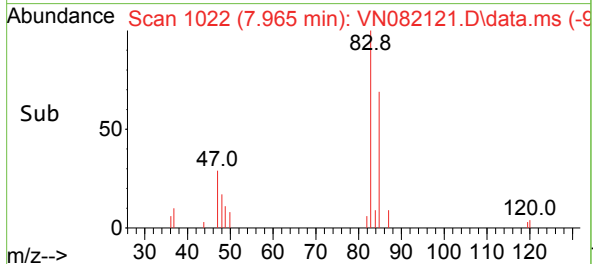
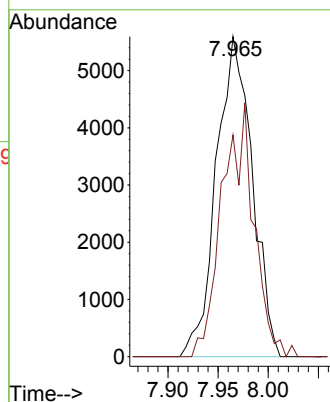
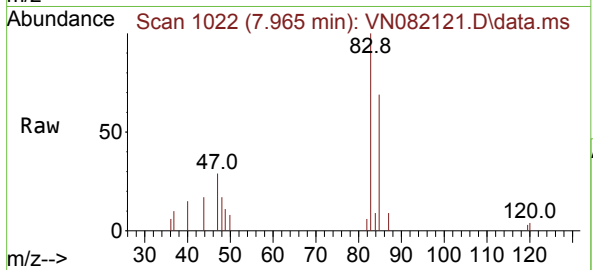




#25
Chloroform
Concen: 2.003 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN082121.D
Acq: 14 May 2024 17:39

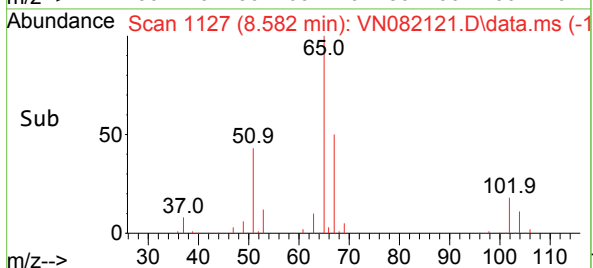
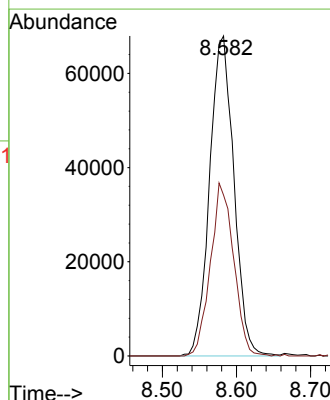
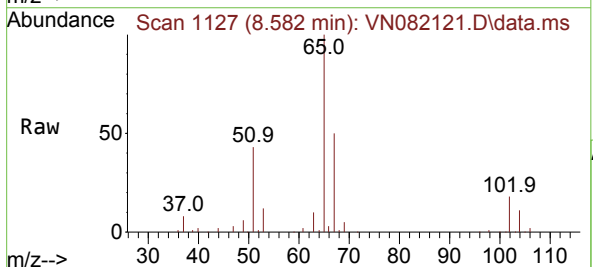
Instrument :
MSVOA_N
ClientSampleId :

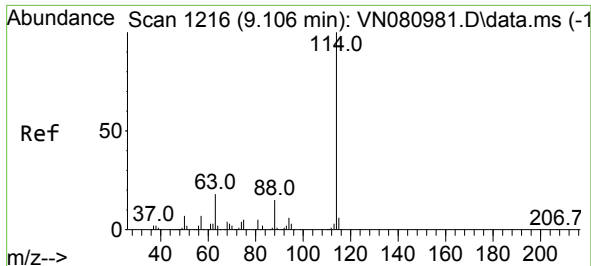
Tgt Ion: 83 Resp: 13931
Ion Ratio Lower Upper
83 100
85 69.2 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 32.072 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082121.D
Acq: 14 May 2024 17:39

Tgt Ion: 65 Resp: 154648
Ion Ratio Lower Upper
65 100
67 51.6 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082121.D

Acq: 14 May 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :

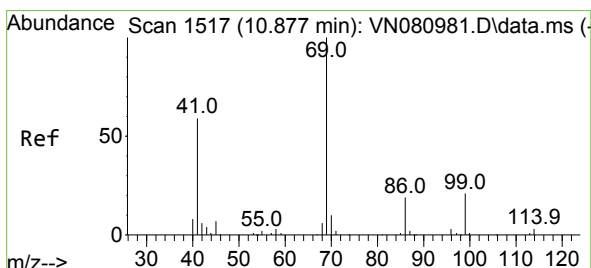
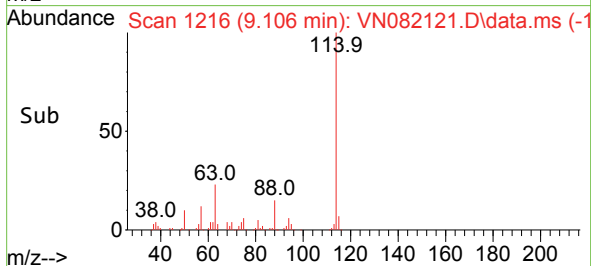
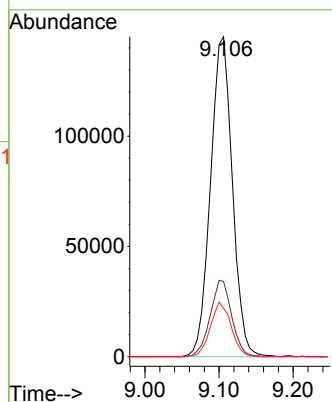
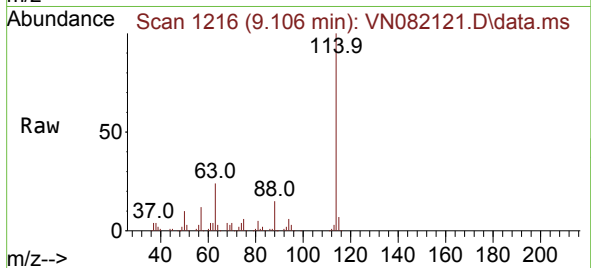
Tgt Ion:114 Resp: 297270

Ion Ratio Lower Upper

114 100

63 23.5 15.9 23.9

88 16.1 12.7 19.1



#51

Ethyl methacrylate

Concen: 0.240 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.300 min

Lab File: VN082121.D

Acq: 14 May 2024 17:39

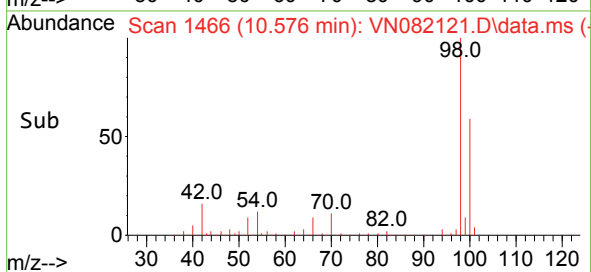
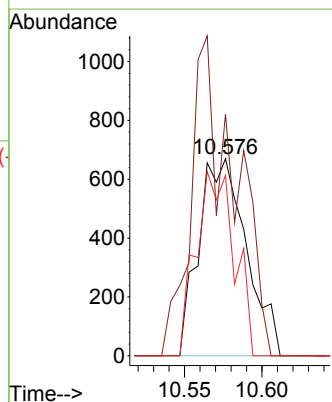
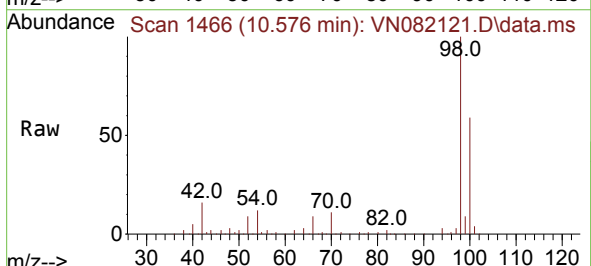
Tgt Ion: 69 Resp: 1429

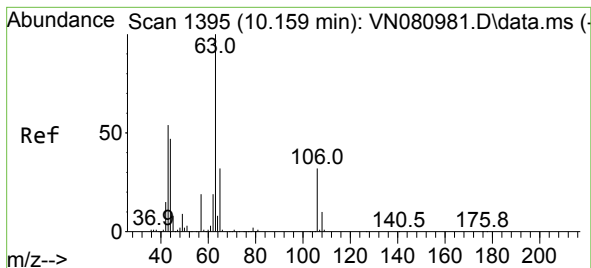
Ion Ratio Lower Upper

69 100

41 86.7 25.5 76.5#

39 91.5 16.0 47.9#

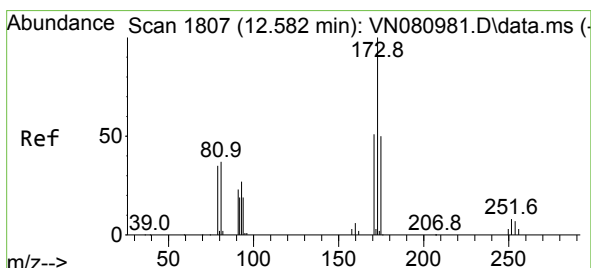
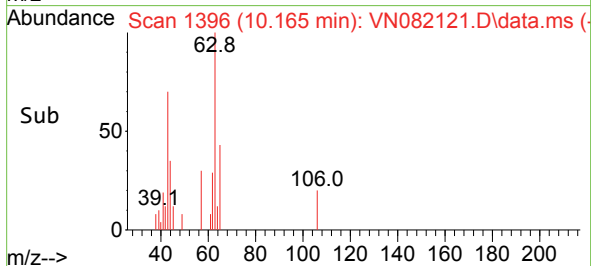
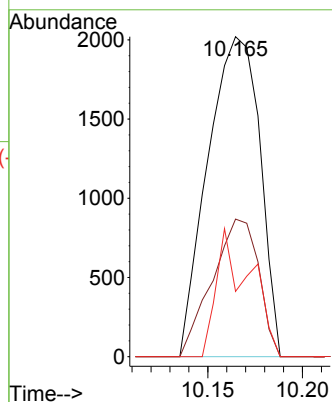
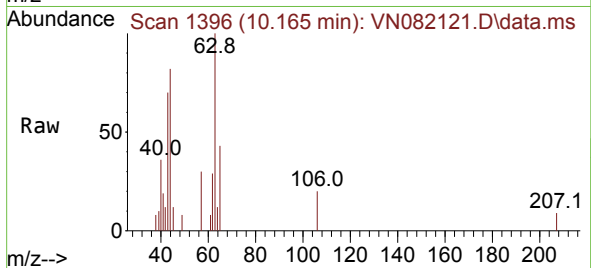




#55
 2-Chloroethyl vinyl ether
 Concen: 1.294 ug/l
 RT: 10.165 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN082121.D
 Acq: 14 May 2024 17:39

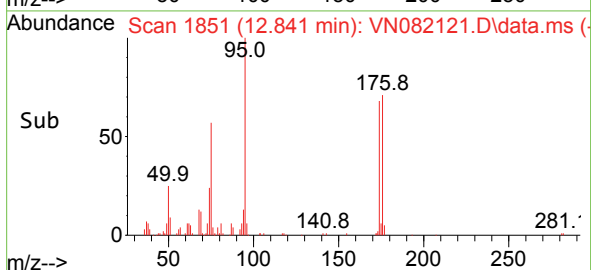
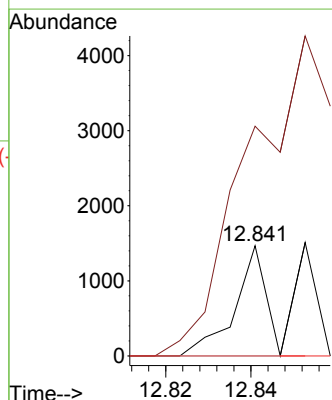
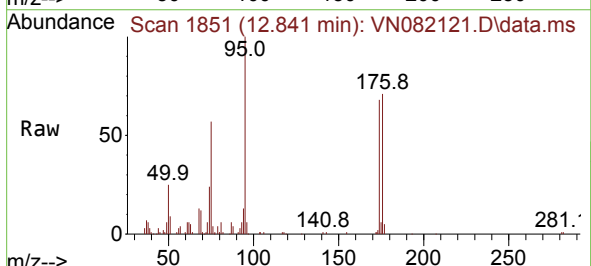
Instrument :
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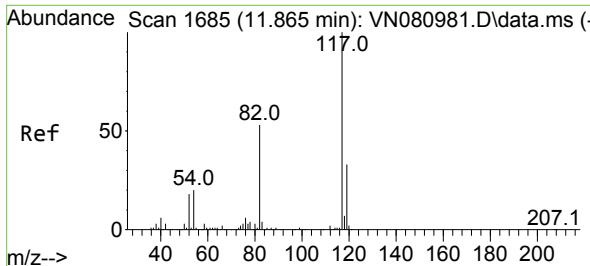
Tgt Ion: 63 Resp: 3857
 Ion Ratio Lower Upper
 63 100
 65 38.3 26.2 39.2
 106 14.2 23.8 35.8#



#56
 Bromoform
 Concen: 0.354 ug/l
 RT: 12.841 min Scan# 1851
 Delta R.T. 0.259 min
 Lab File: VN082121.D
 Acq: 14 May 2024 17:39

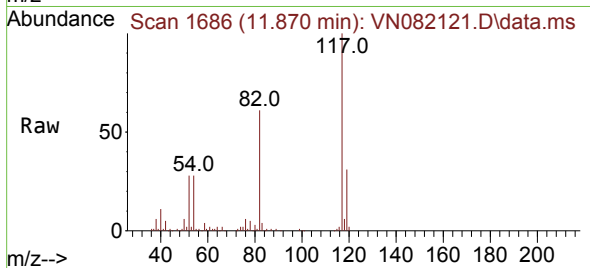
Tgt Ion: 173 Resp: 741
 Ion Ratio Lower Upper
 173 100
 175 0.0 40.0 60.0#
 254 0.0 8.3 12.5#



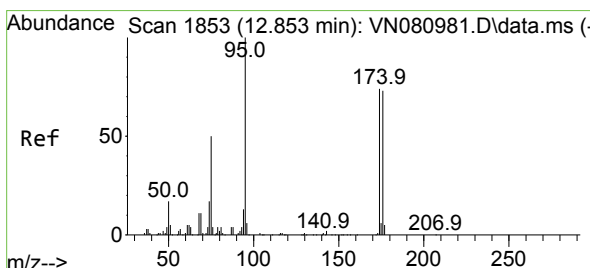
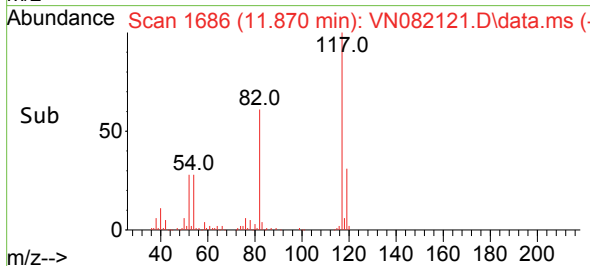
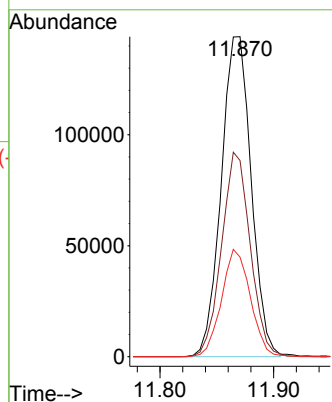


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN082121.D
Acq: 14 May 2024 17:39

Instrument :
MSVOA_N
ClientSampleId :

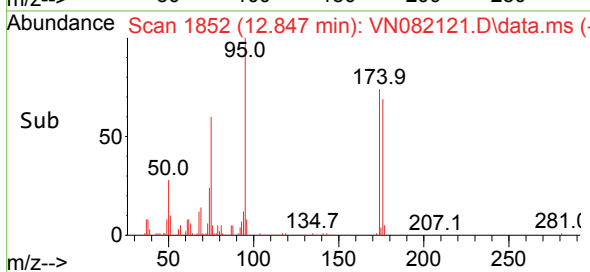
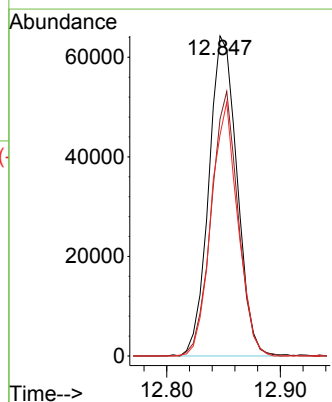
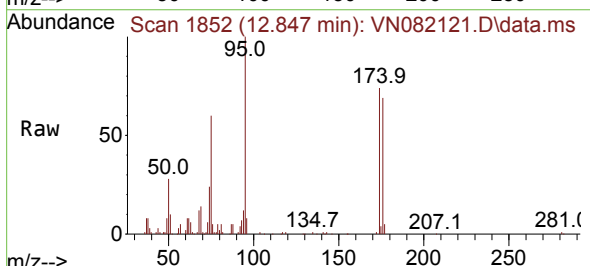


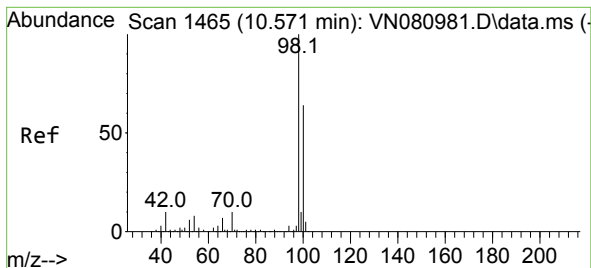
Tgt Ion:117 Resp: 264349
Ion Ratio Lower Upper
117 100
82 61.2 46.6 69.8
119 32.3 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 25.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN082121.D
Acq: 14 May 2024 17:39

Tgt Ion: 95 Resp: 111200
Ion Ratio Lower Upper
95 100
174 78.4 60.5 90.7
176 74.9 57.8 86.6





#63

Toluene-d8

Concen: 30.345 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082121.D

Acq: 14 May 2024 17:39

Instrument :

MSVOA_N

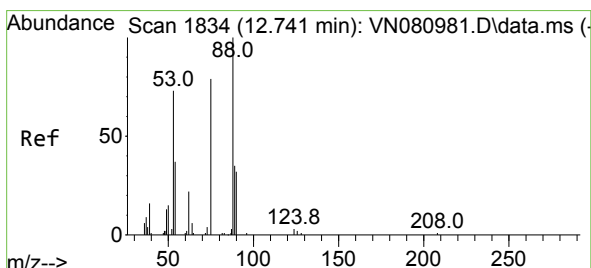
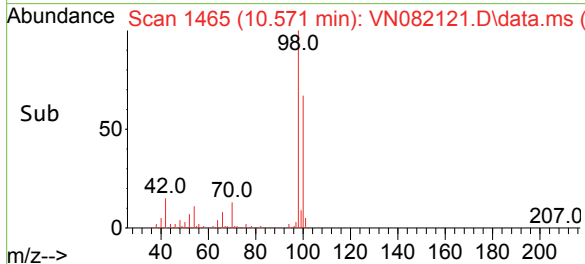
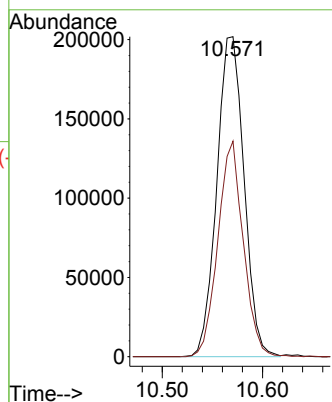
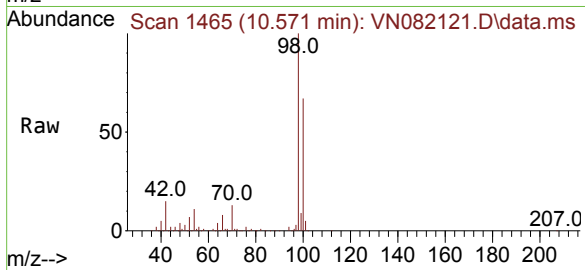
ClientSampleId :

Tgt Ion: 98 Resp: 380955

Ion Ratio Lower Upper

98 100

100 62.8 52.7 79.1



#77

t-1,4-Dichloro-2-butene

Concen: 37.162 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN082121.D

Acq: 14 May 2024 17:39

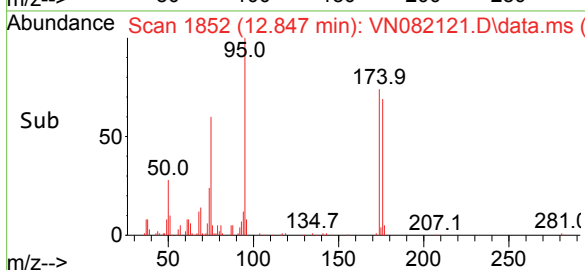
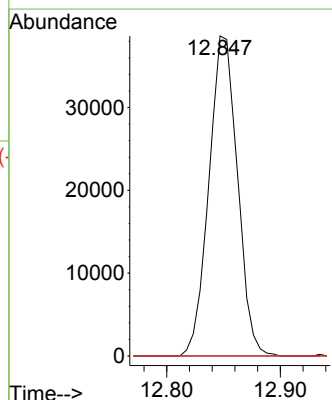
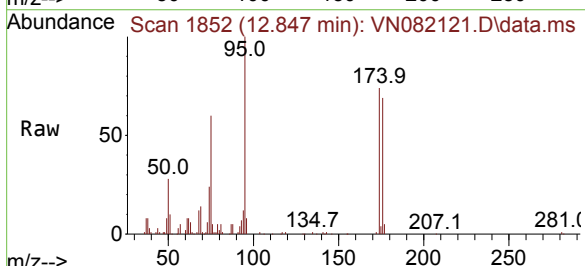
Tgt Ion: 75 Resp: 67627

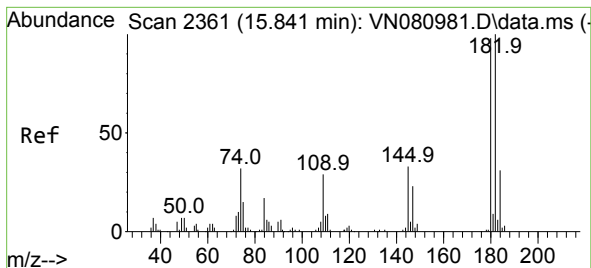
Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#





#89

1,2,4-Trichlorobenzene

Concen: 0.246 ug/l

RT: 15.841 min Scan# 21

Delta R.T. -0.000 min

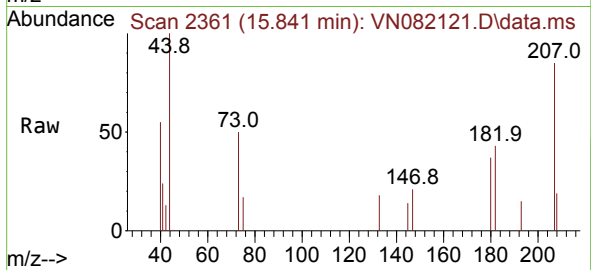
Lab File: VN082121.D

Acq: 14 May 2024 17:39

Instrument :

MSVOA_N

ClientSampleId :



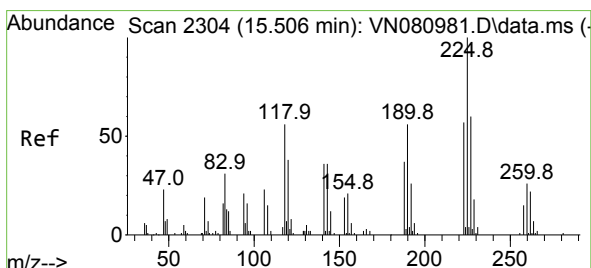
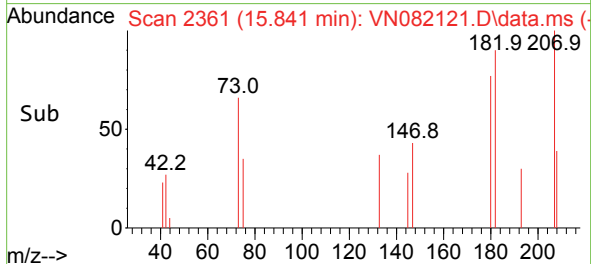
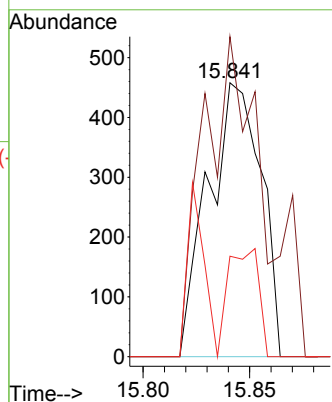
Tgt Ion:180 Resp: 790

Ion Ratio Lower Upper

180 100

182 67.3 76.4 114.6#

145 22.9 28.4 42.6#



#90

Hexachlorobutadiene

Concen: 0.337 ug/l

RT: 15.494 min Scan# 2302

Delta R.T. -0.012 min

Lab File: VN082121.D

Acq: 14 May 2024 17:39

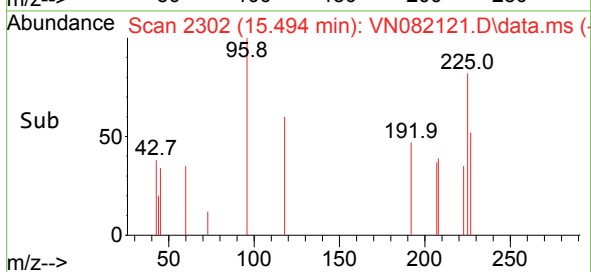
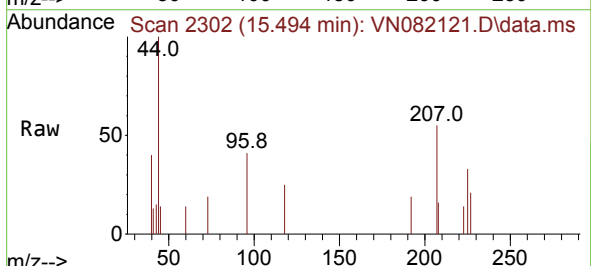
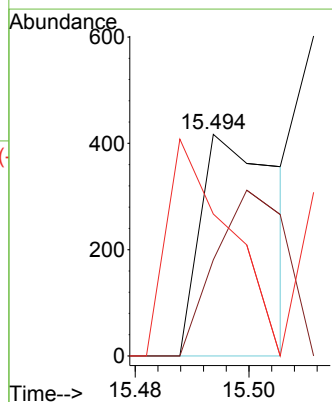
Tgt Ion:225 Resp: 401

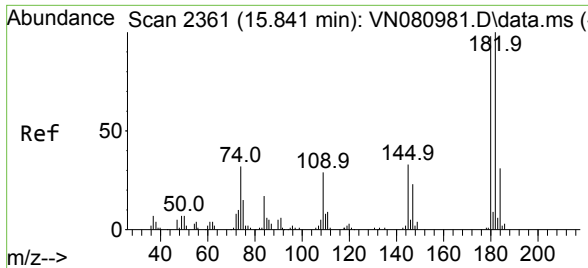
Ion Ratio Lower Upper

225 100

223 66.8 0.0 126.6

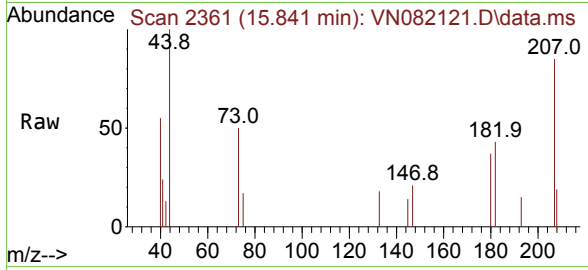
227 77.8 0.0 126.6





#92
 1,2,3-Trichlorobenzene
 Concen: 0.246 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN082121.D
 Acq: 14 May 2024 17:39

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	790
Ion Ratio	Lower	Upper	
180	100		
182	67.3	0.0	191.0
145	22.9	0.0	71.0

