

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081905.D
 Acq On : 29 Apr 2024 11:16
 Operator : JC\MD
 Sample : VN0429WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 04:33:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

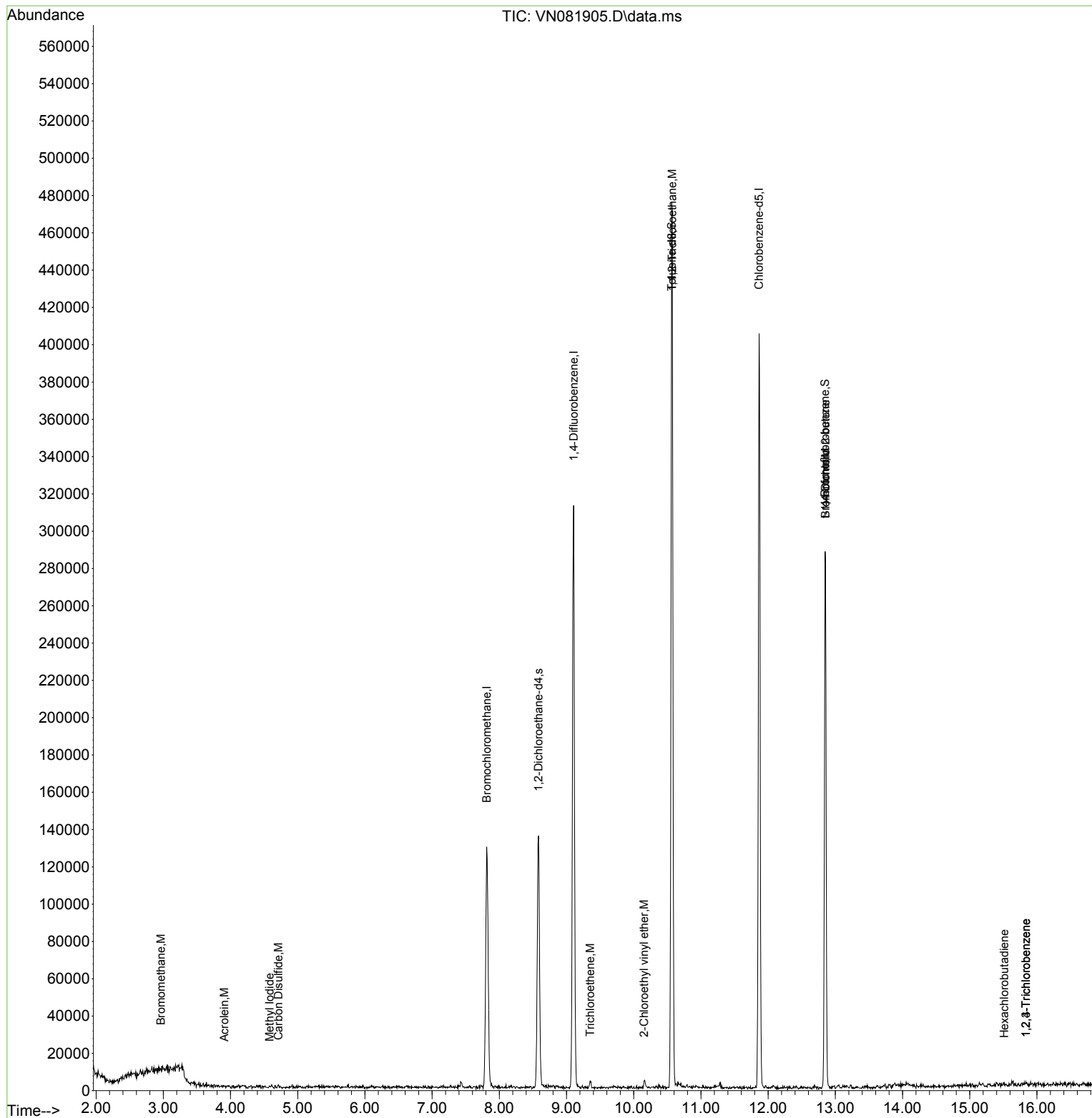
Internal Standards						
1) Bromochloromethane	7.812	128	43892	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	267223	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	223964	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	109716	29.856	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.533%
60) 4-Bromofluorobenzene	12.847	95	104133	27.938	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.133%
63) Toluene-d8	10.565	98	331295	31.148	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.833%
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	463	0.325	ug/l	96
11) Methyl Iodide	4.583	142	581	0.237	ug/l #	87
13) Acrolein	3.906	56	239	0.335	ug/l	94
16) Carbon Disulfide	4.712	76	1800	0.243	ug/l #	78
37) Trichloroethene	9.353	130	1145	0.368	ug/l #	59
50) 1,1,2-Trichloroethane	10.571	97	9702	3.418	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.153	63	687	0.256	ug/l #	45
56) Bromoform	12.853	173	628	0.334	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	58842	38.185	ug/l #	12
89) 1,2,4-Trichlorobenzene	15.835	180	567	0.208	ug/l #	64
90) Hexachlorobutadiene	15.512	225	413	0.410	ug/l	78
92) 1,2,3-Trichlorobenzene	15.835	180	567	0.208	ug/l #	64

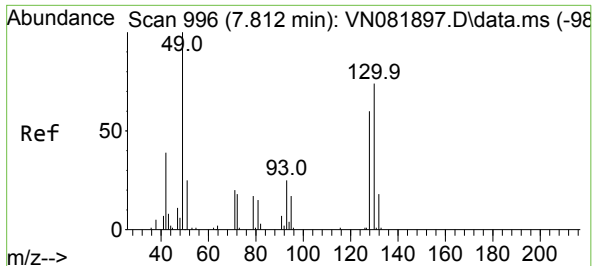
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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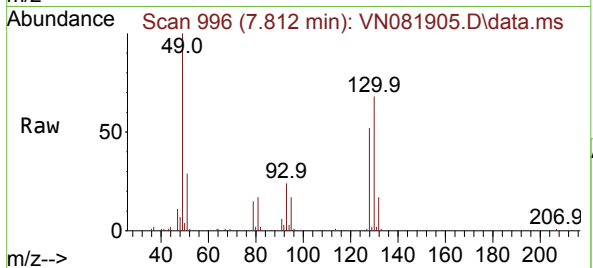
Quant Time: Apr 30 04:33:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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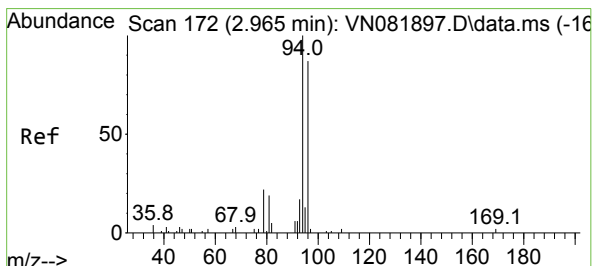
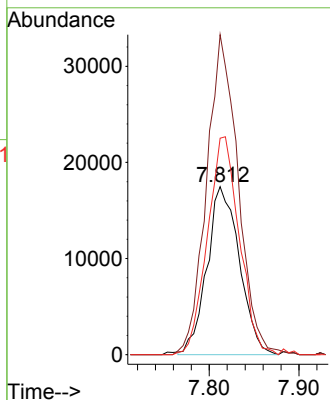
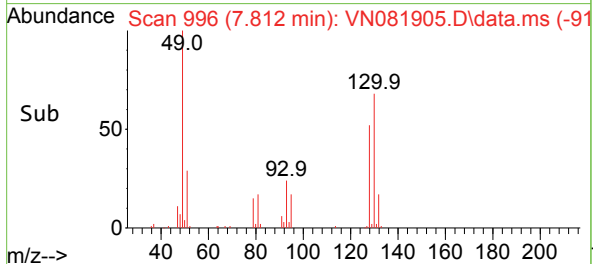


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

Instrument :
MSVOA_N
ClientSampleId :

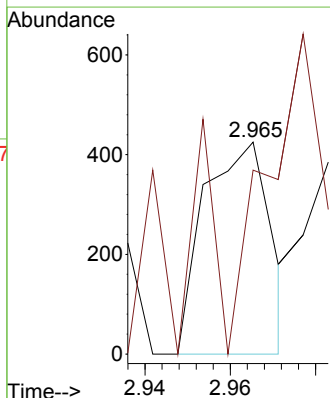
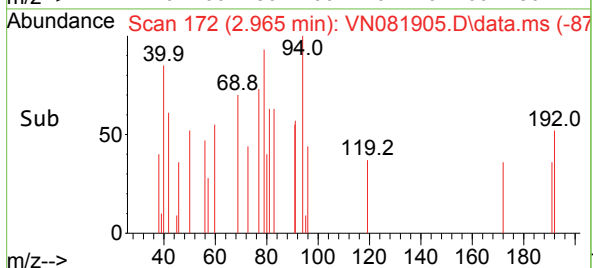
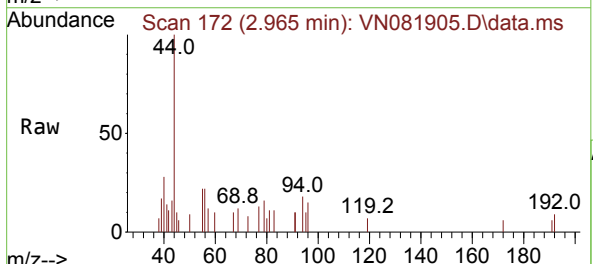


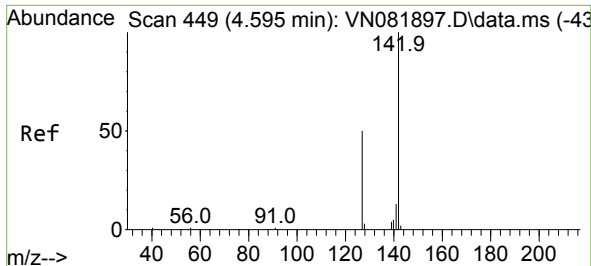
Tgt Ion:128 Resp: 43892
Ion Ratio Lower Upper
128 100
49 184.9 0.0 403.7
130 127.4 0.0 323.3



#5
Bromomethane
Concen: 0.325 ug/l
RT: 2.965 min Scan# 172
Delta R.T. 0.000 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

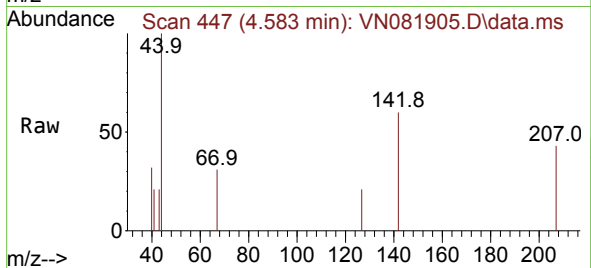
Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 86.8 72.8 109.2



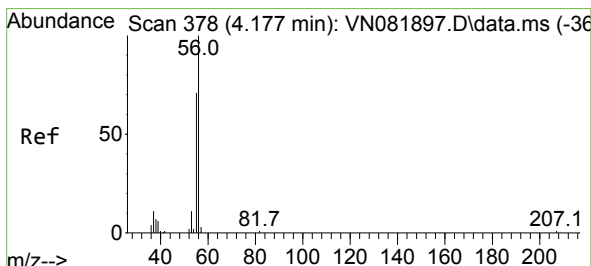
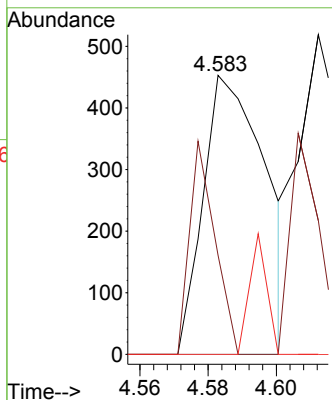
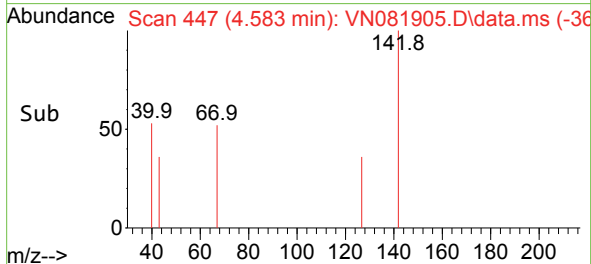


#11
Methyl Iodide
Concen: 0.237 ug/l
RT: 4.583 min Scan# 449
Delta R.T. -0.012 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

Instrument :
MSVOA_N
ClientSampleId :

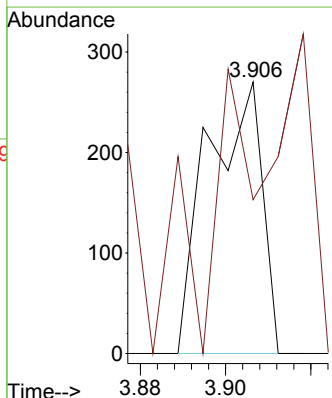
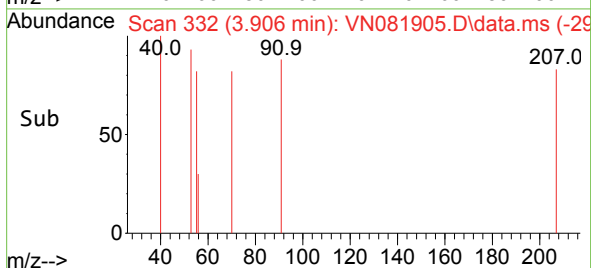
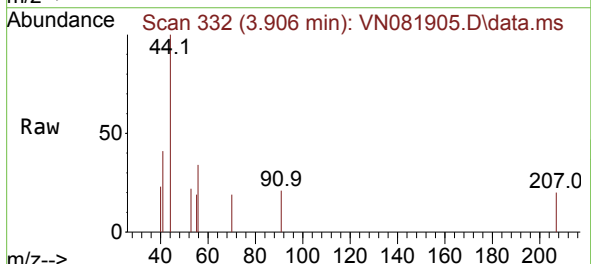


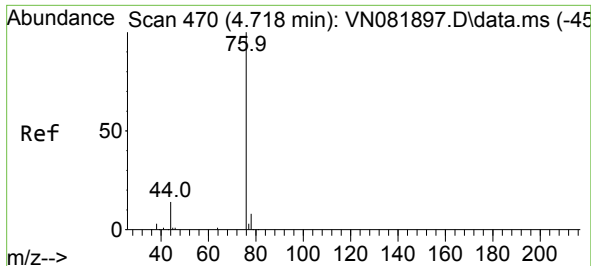
Tgt Ion:142 Resp: 581
Ion Ratio Lower Upper
142 100
127 49.0 26.3 78.9
141 0.0 8.3 24.9#



#13
Acrolein
Concen: 0.335 ug/l
RT: 3.906 min Scan# 332
Delta R.T. -0.271 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

Tgt Ion: 56 Resp: 239
Ion Ratio Lower Upper
56 100
55 64.4 55.5 83.3

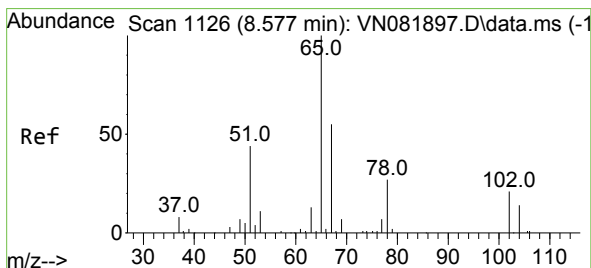
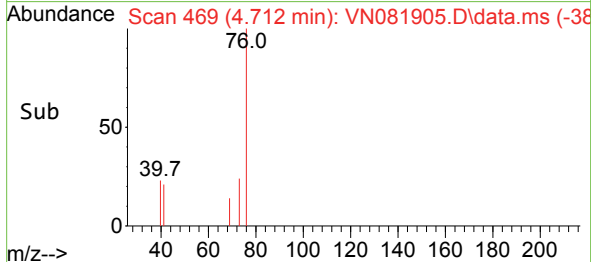
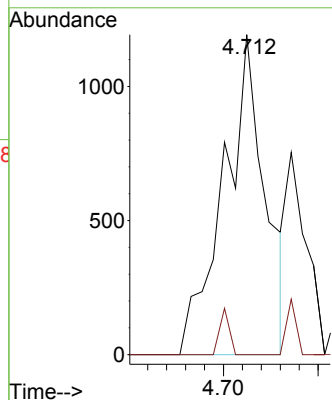
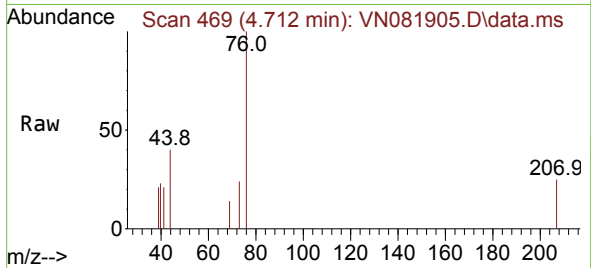




#16
Carbon Disulfide
Concen: 0.243 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

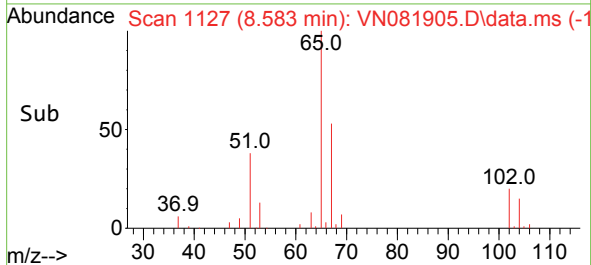
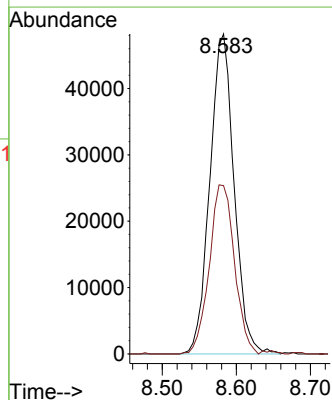
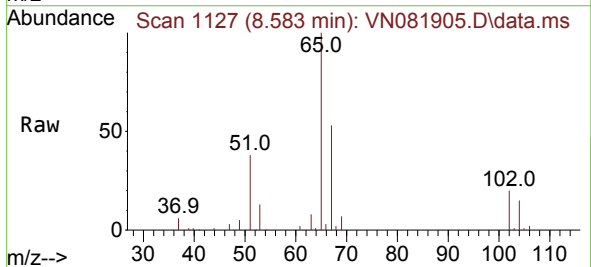
Instrument :
MSVOA_N
ClientSampleId :

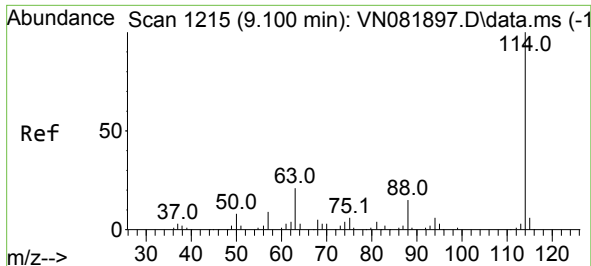
Tgt Ion: 76 Resp: 1800
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#27
1,2-Dichloroethane-d4
Concen: 29.856 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

Tgt Ion: 65 Resp: 109716
Ion Ratio Lower Upper
65 100
67 54.8 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081905.D

Acq: 29 Apr 2024 11:16

Instrument :

MSVOA_N

ClientSampleId :

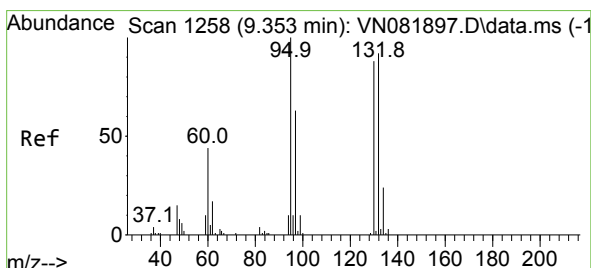
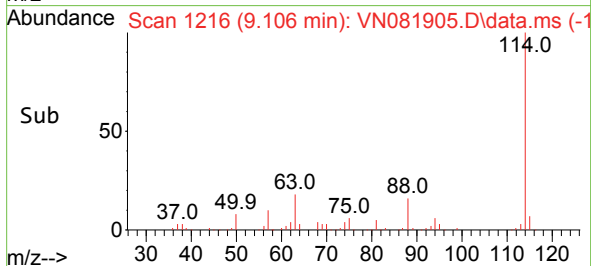
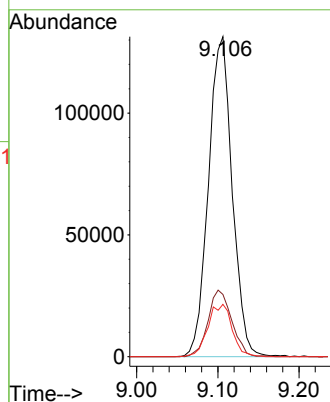
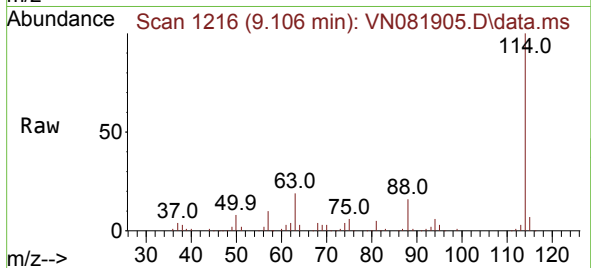
Tgt Ion:114 Resp: 267223

Ion Ratio Lower Upper

114 100

63 20.7 15.9 23.9

88 16.8 12.7 19.1



#37

Trichloroethene

Concen: 0.368 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN081905.D

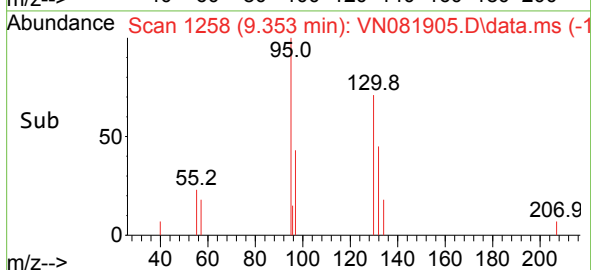
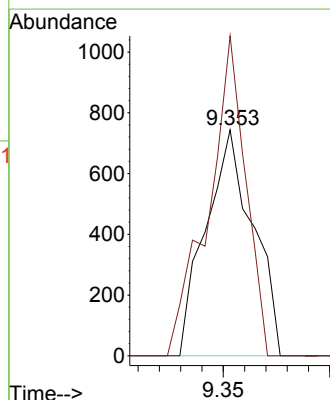
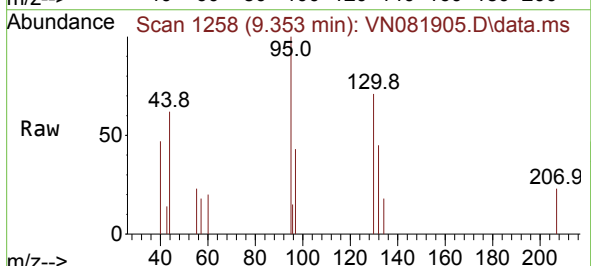
Acq: 29 Apr 2024 11:16

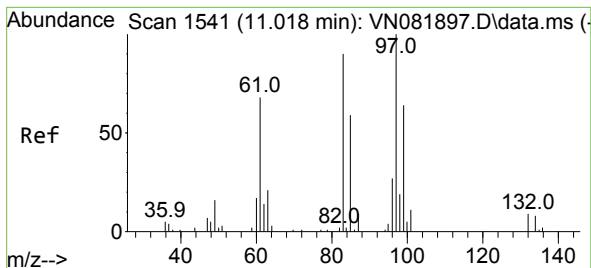
Tgt Ion:130 Resp: 1145

Ion Ratio Lower Upper

130 100

95 141.5 80.2 120.4#





#50

1,1,2-Trichloroethane

Concen: 3.418 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

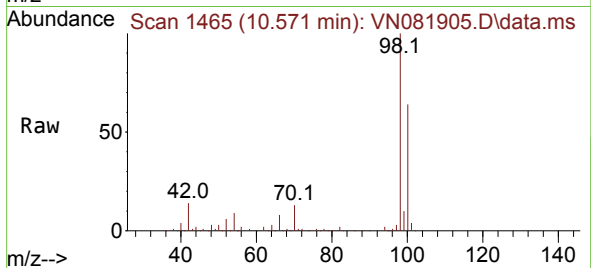
Lab File: VN081905.D

Acq: 29 Apr 2024 11:16

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 9702

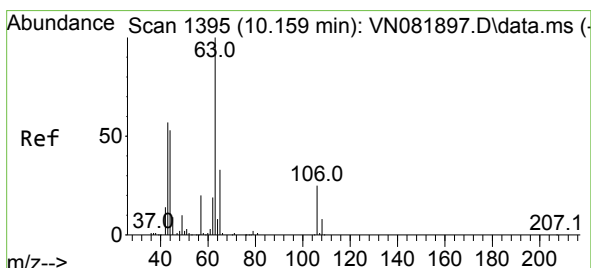
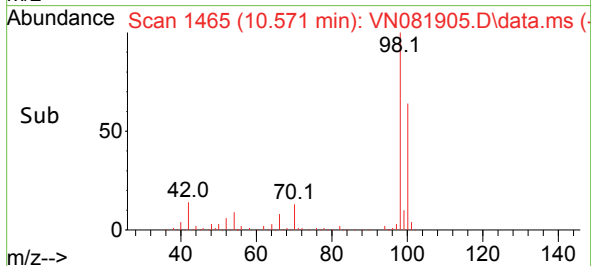
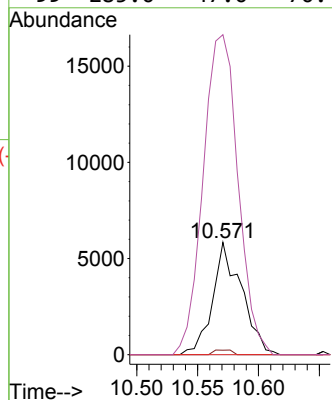
Ion Ratio Lower Upper

97 100

83 4.0 68.1 102.1#

85 0.0 41.8 62.6#

99 285.0 47.0 70.4#



#55

2-Chloroethyl vinyl ether

Concen: 0.256 ug/l

RT: 10.153 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VN081905.D

Acq: 29 Apr 2024 11:16

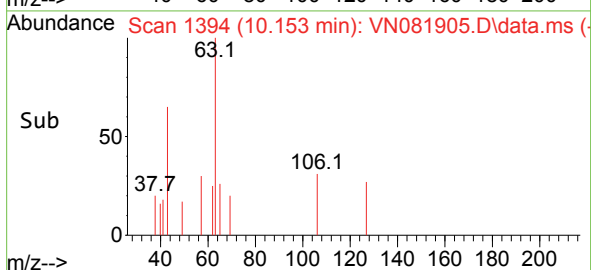
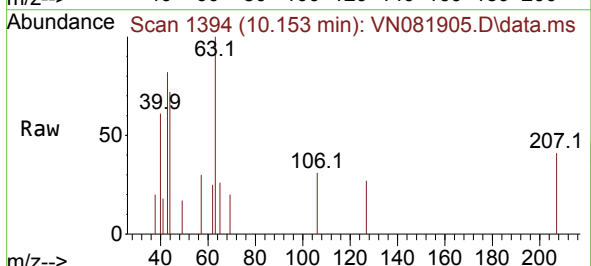
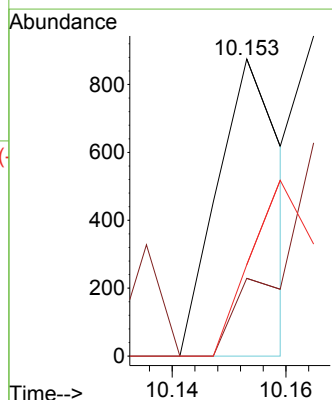
Tgt Ion: 63 Resp: 687

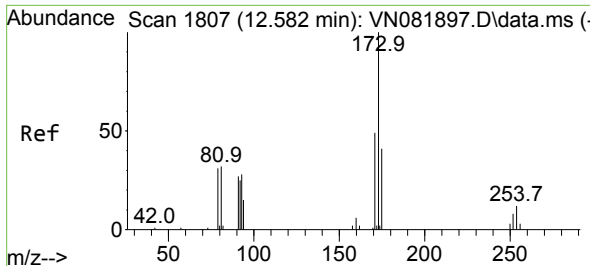
Ion Ratio Lower Upper

63 100

65 0.0 26.2 39.2#

106 57.4 23.8 35.8#

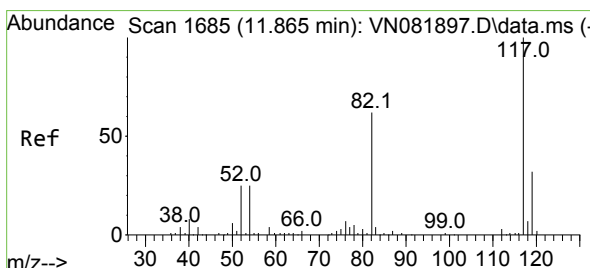
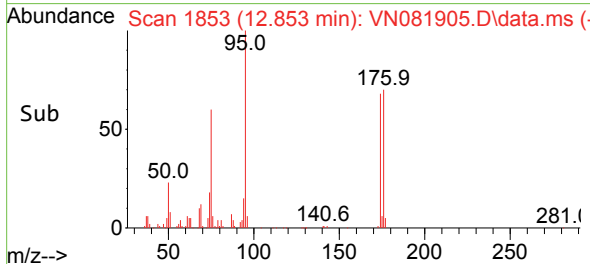
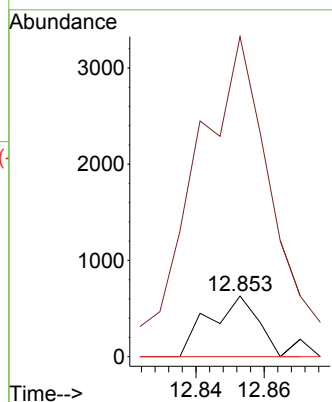
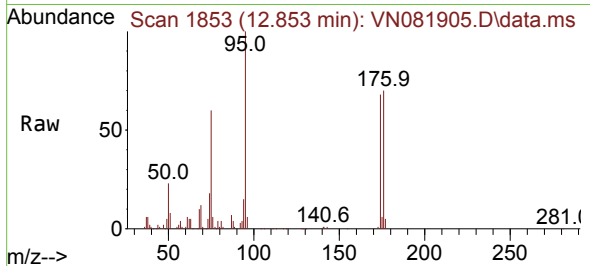




#56
Bromoform
Concen: 0.334 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

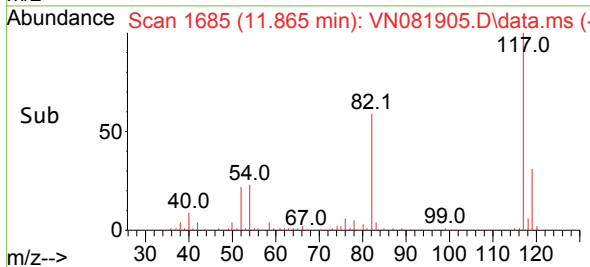
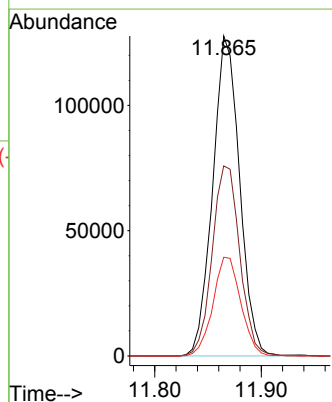
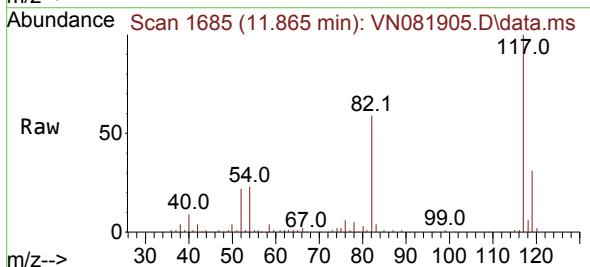
Instrument :
MSVOA_N
ClientSampleId :

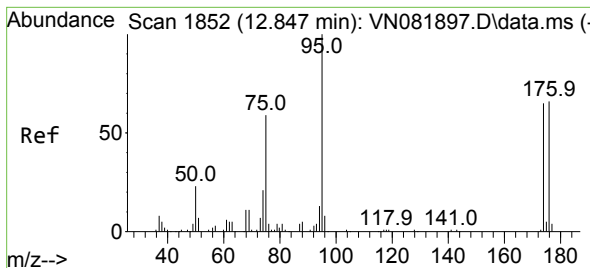
Tgt Ion:173 Resp: 628
Ion Ratio Lower Upper
173 100
175 824.2 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

Tgt Ion:117 Resp: 223964
Ion Ratio Lower Upper
117 100
82 60.8 46.6 69.8
119 31.8 25.4 38.2

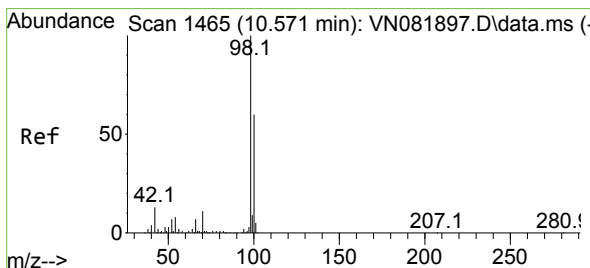
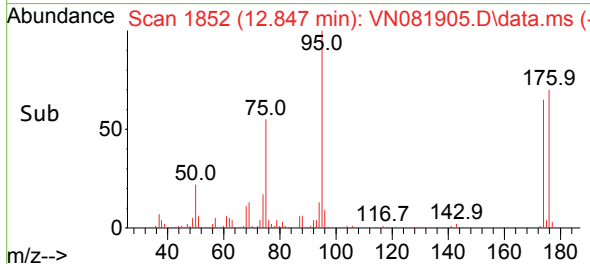
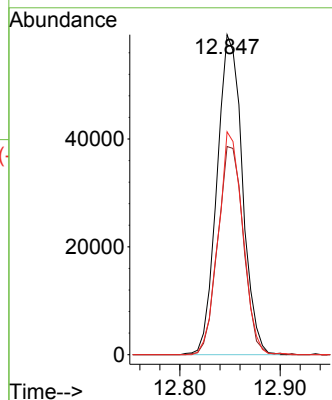
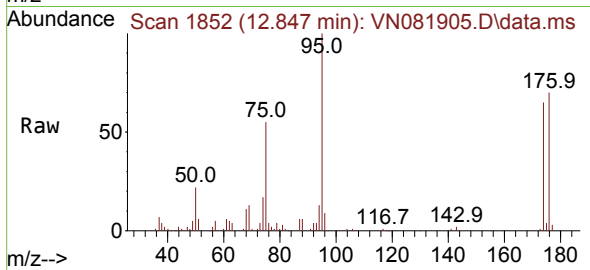




#60
4-Bromofluorobenzene
Concen: 27.938 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

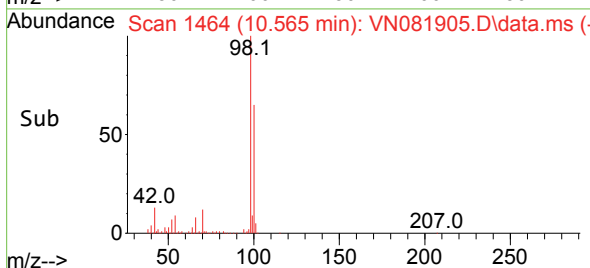
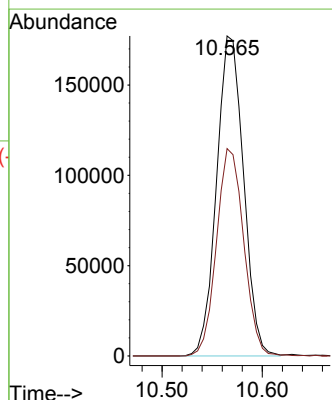
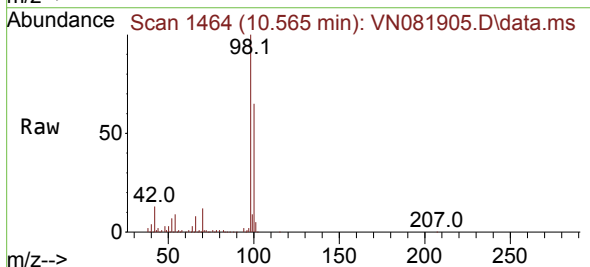
Instrument :
MSVOA_N
ClientSampleId :

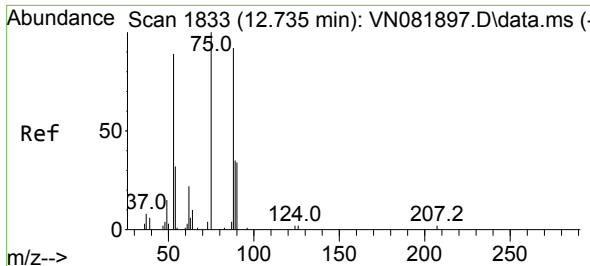
Tgt Ion: 95 Resp: 104133
Ion Ratio Lower Upper
95 100
174 65.4 60.5 90.7
176 67.2 57.8 86.6



#63
Toluene-d8
Concen: 31.148 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

Tgt Ion: 98 Resp: 331295
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

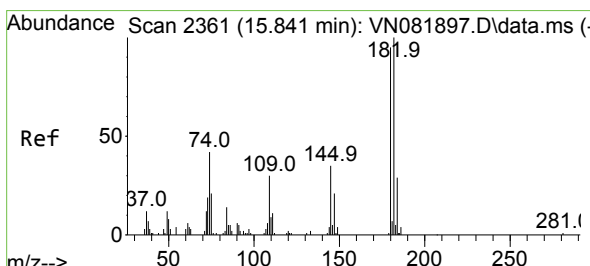
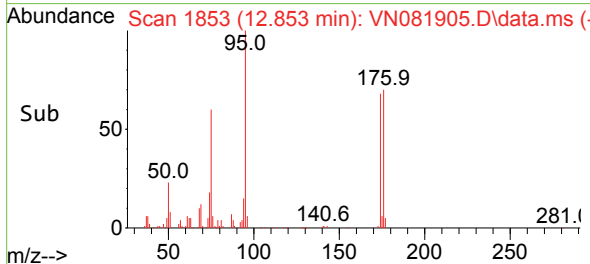
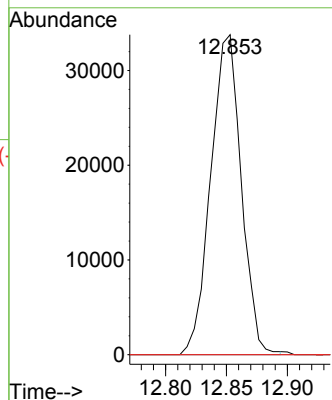
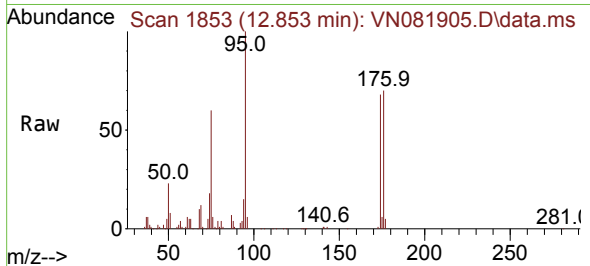




#77
 t-1,4-Dichloro-2-butene
 Concen: 38.185 ug/l
 RT: 12.853 min Scan# 1833
 Delta R.T. 0.118 min
 Lab File: VN081905.D
 Acq: 29 Apr 2024 11:16

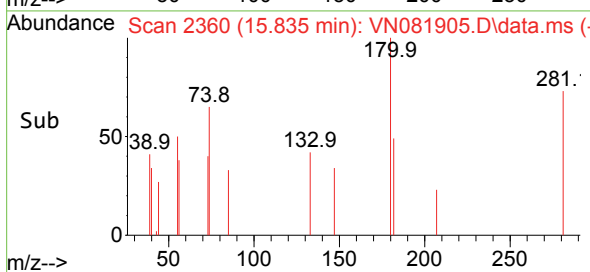
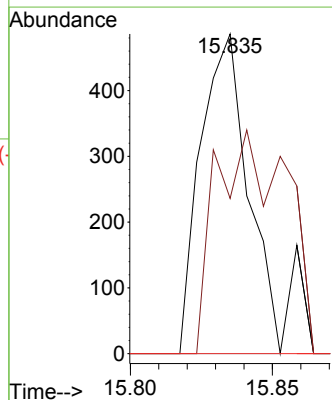
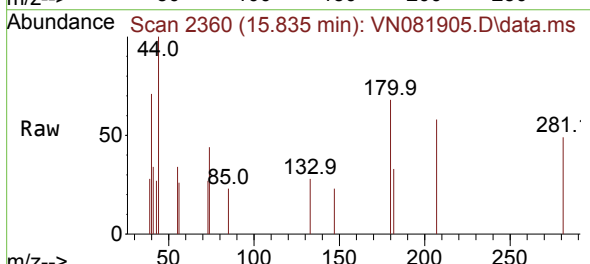
Instrument :
 MSVOA_N
 ClientSampleId :

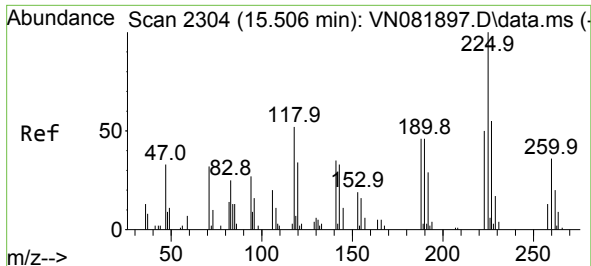
Tgt Ion: 75 Resp: 58842
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.9 137.7#
 89 0.0 25.9 77.7#



#89
 1,2,4-Trichlorobenzene
 Concen: 0.208 ug/l
 RT: 15.835 min Scan# 2360
 Delta R.T. -0.006 min
 Lab File: VN081905.D
 Acq: 29 Apr 2024 11:16

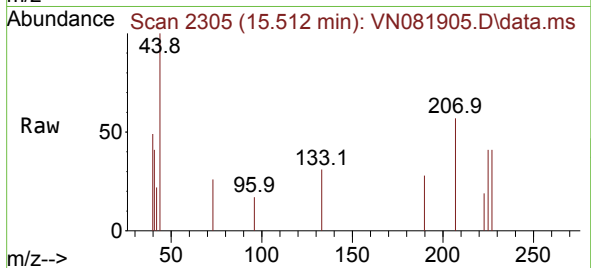
Tgt Ion: 180 Resp: 567
 Ion Ratio Lower Upper
 180 100
 182 69.1 76.4 114.6#
 145 0.0 28.4 42.6#



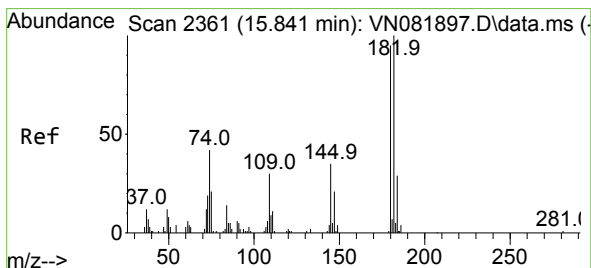
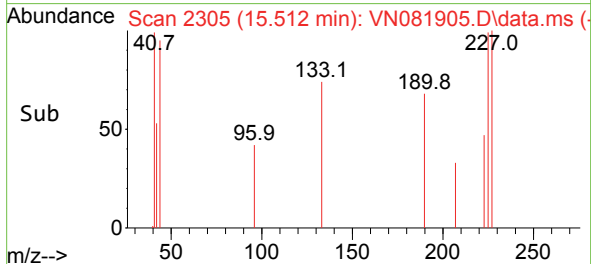
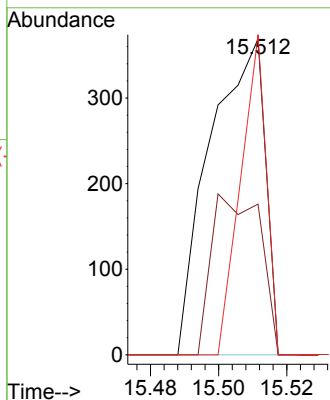


#90
Hexachlorobutadiene
Concen: 0.410 ug/l
RT: 15.512 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:225 Resp: 413
Ion Ratio Lower Upper
225 100
223 45.0 0.0 126.6
227 47.5 0.0 126.6



#92
1,2,3-Trichlorobenzene
Concen: 0.208 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN081905.D
Acq: 29 Apr 2024 11:16

Tgt Ion:180 Resp: 567
Ion Ratio Lower Upper
180 100
182 69.1 0.0 191.0
145 0.0 0.0 71.0

