

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042924\
 Data File : VN081916.D
 Acq On : 29 Apr 2024 15:56
 Operator : JC\MD
 Sample : P2293-01DL 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 30 04:39:31 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)

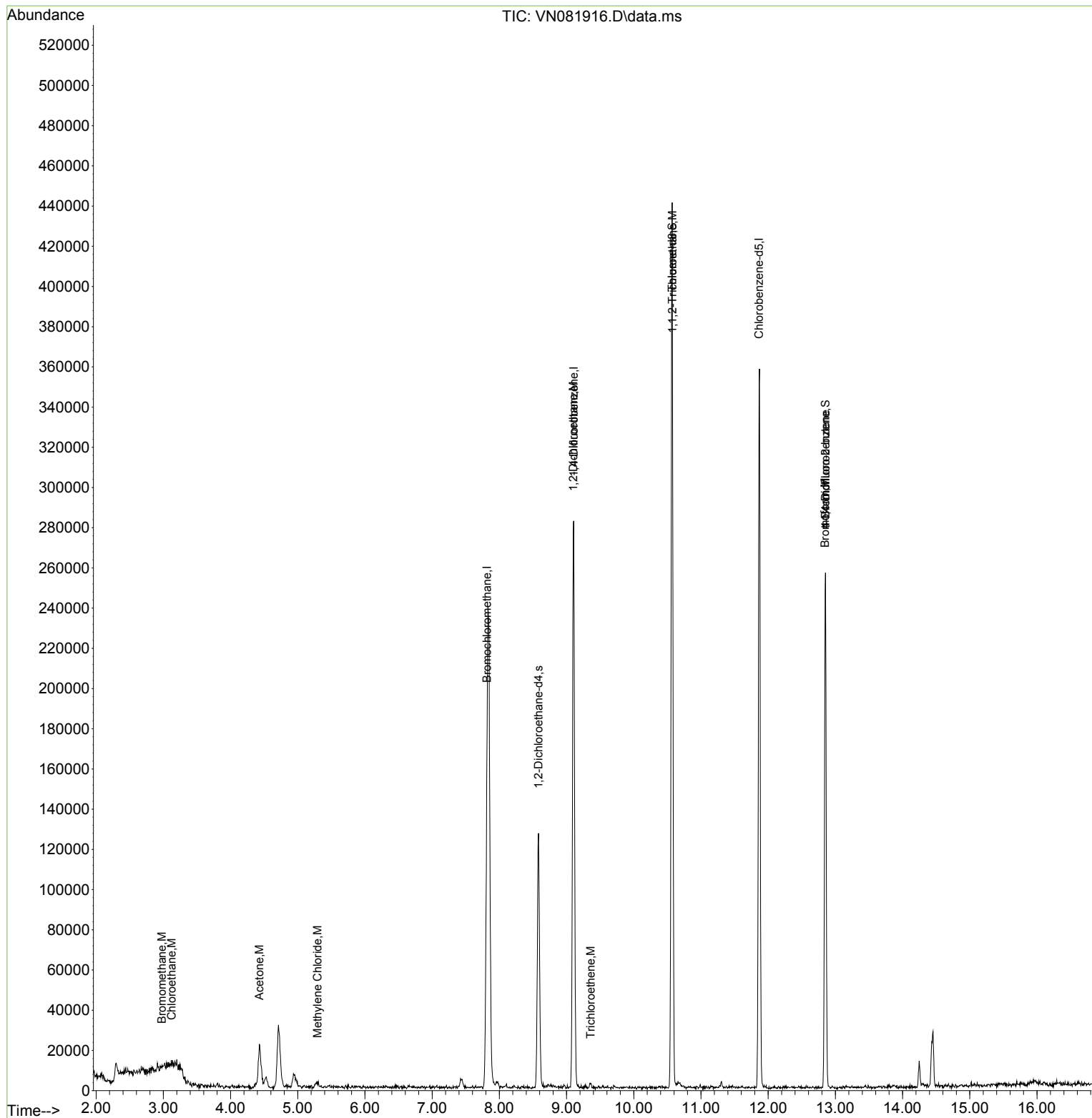
Internal Standards						
1) Bromochloromethane	7.818	128	40917	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	241306	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	202425	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	99740	29.115	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.033%		
60) 4-Bromofluorobenzene	12.853	95	96314	28.590	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	95.300%		
63) Toluene-d8	10.570	98	292487	30.425	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.433%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	347	0.261	ug/l #	4
6) Chloroethane	3.124	64	976	0.677	ug/l #	41
15) Acetone	4.430	58	11854	37.068	ug/l	87
18) Methylene Chloride	5.294	84	1315	0.463	ug/l #	73
36) 1,2-Dichloroethane	9.100	62	8379	2.178	ug/l #	72
37) Trichloroethene	9.359	130	621	0.221	ug/l #	51
50) 1,1,2-Trichloroethane	10.576	97	8175	3.190	ug/l #	1
56) Bromoform	12.847	173	380	0.224	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	50132	35.994	ug/l #	12

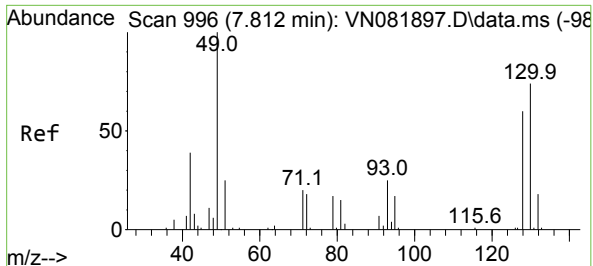
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 996

Delta R.T. 0.006 min

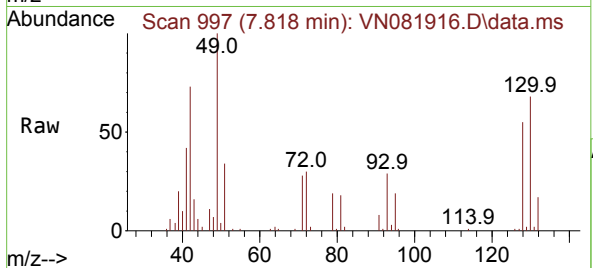
Lab File: VN081916.D

Acq: 29 Apr 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :



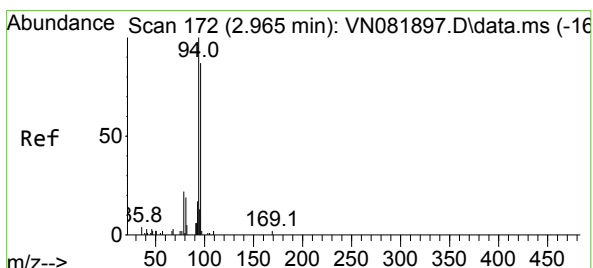
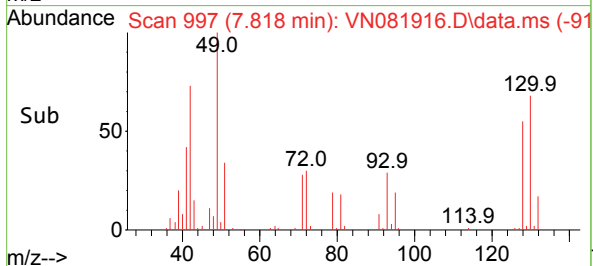
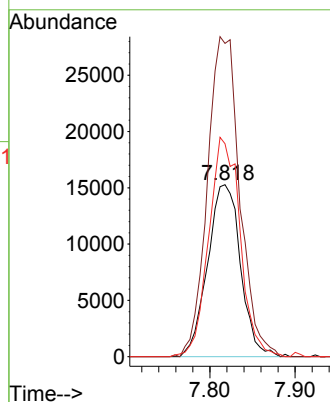
Tgt Ion:128 Resp: 40917

Ion Ratio Lower Upper

128 100

49 183.4 0.0 403.7

130 121.7 0.0 323.3



#5

Bromomethane

Concen: 0.261 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.012 min

Lab File: VN081916.D

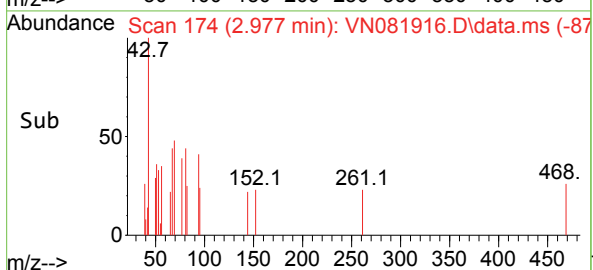
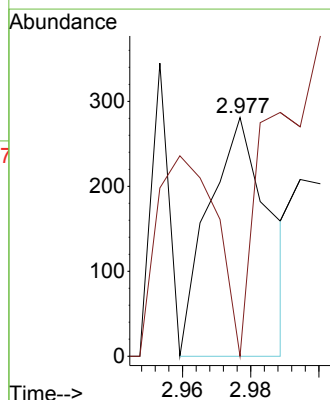
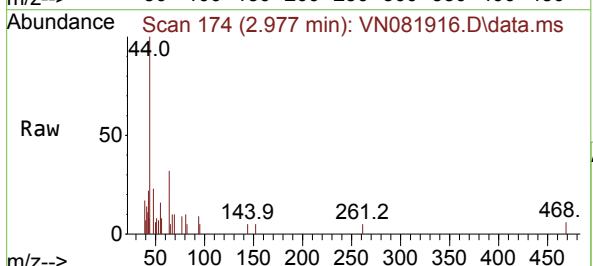
Acq: 29 Apr 2024 15:56

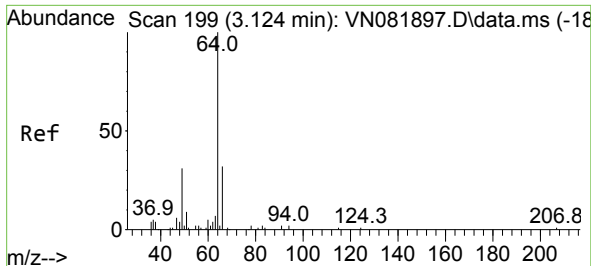
Tgt Ion: 94 Resp: 347

Ion Ratio Lower Upper

94 100

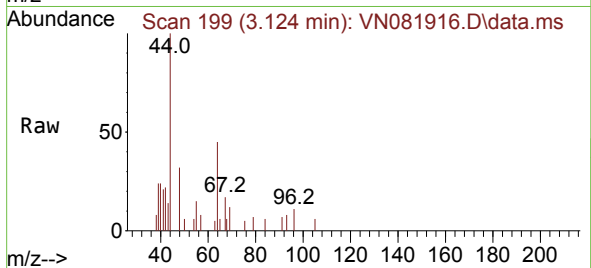
96 0.0 72.8 109.2#



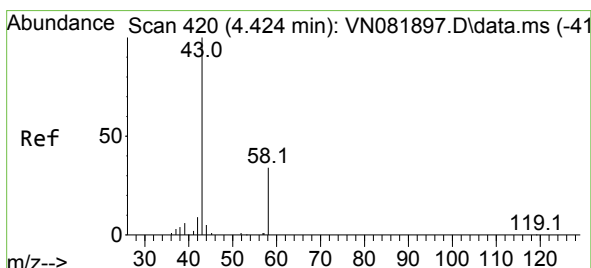
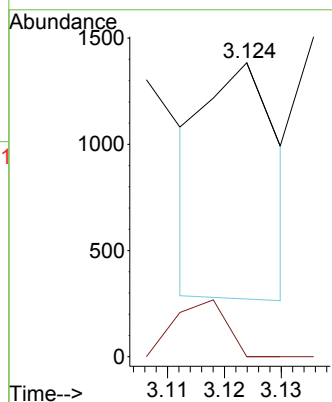
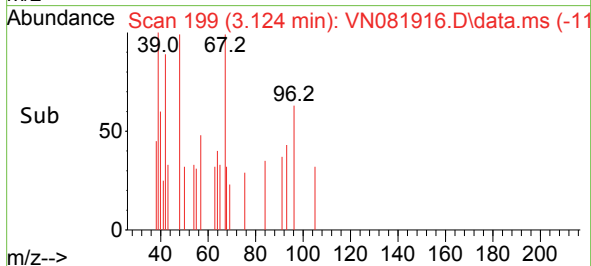


#6
Chloroethane
Concen: 0.677 ug/l
RT: 3.124 min Scan# 199
Delta R.T. -0.000 min
Lab File: VN081916.D
Acq: 29 Apr 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :

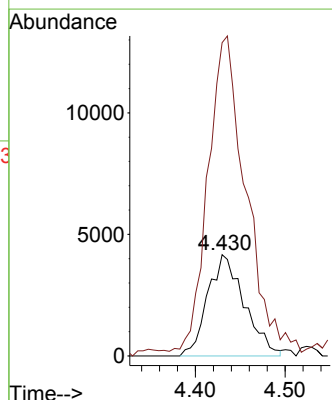
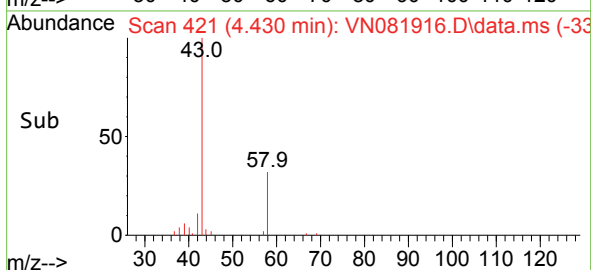
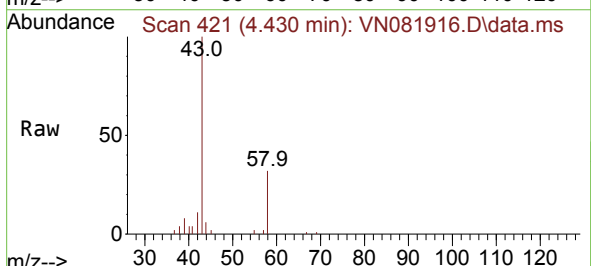


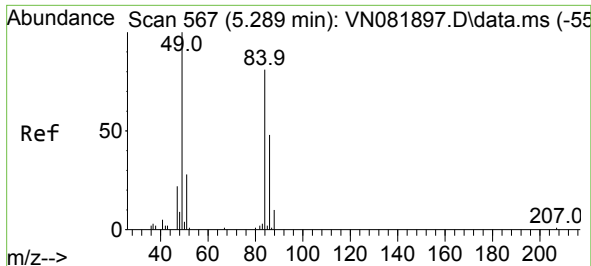
Tgt Ion: 64 Resp: 976
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#15
Acetone
Concen: 37.068 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081916.D
Acq: 29 Apr 2024 15:56

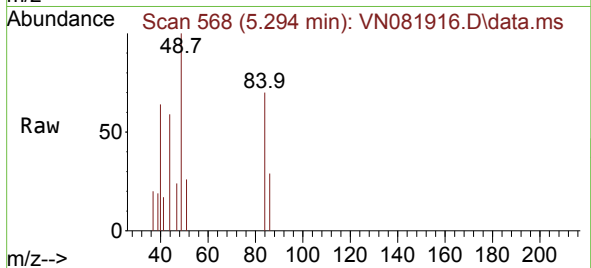
Tgt Ion: 58 Resp: 11854
Ion Ratio Lower Upper
58 100
43 302.6 223.1 334.7



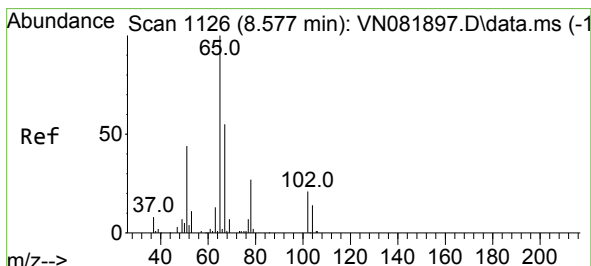
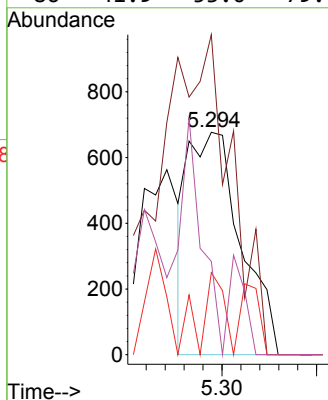
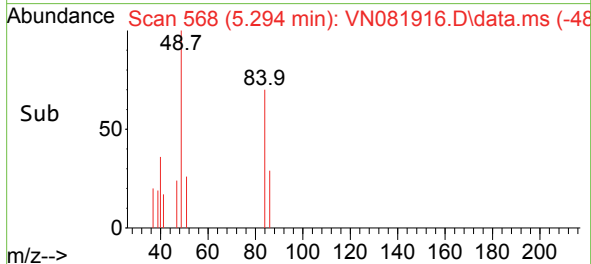


#18
Methylene Chloride
Concen: 0.463 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081916.D
Acq: 29 Apr 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :

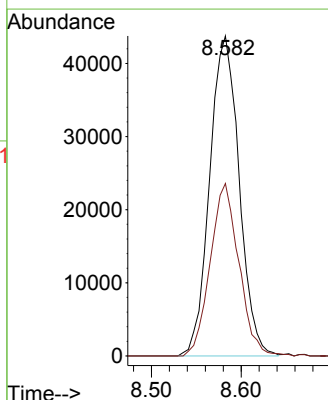
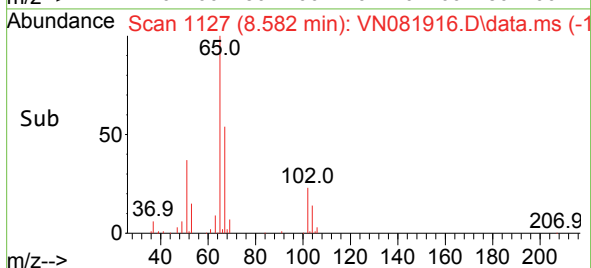
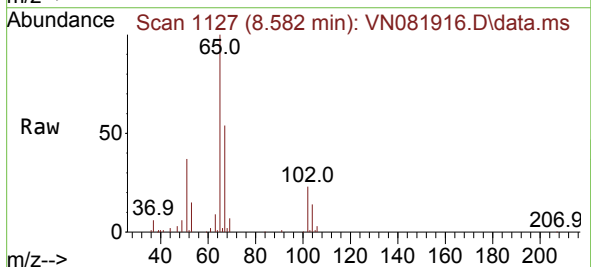


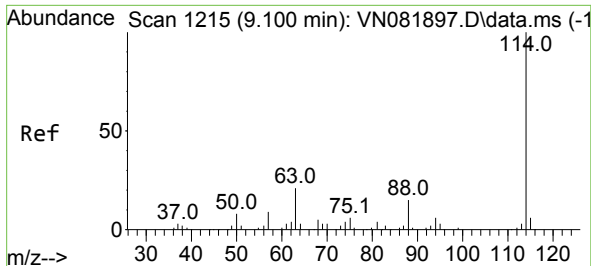
Tgt Ion: 84 Resp: 1315
Ion Ratio Lower Upper
84 100
49 143.9 86.0 129.0#
51 36.9 30.0 45.0
86 41.9 53.0 79.4#



#27
1,2-Dichloroethane-d4
Concen: 29.115 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081916.D
Acq: 29 Apr 2024 15:56

Tgt Ion: 65 Resp: 99740
Ion Ratio Lower Upper
65 100
67 52.5 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 114

Delta R.T. 0.006 min

Lab File: VN081916.D

Acq: 29 Apr 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

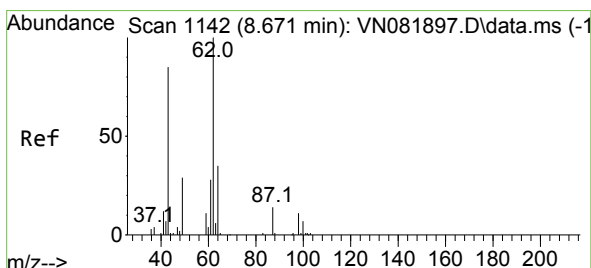
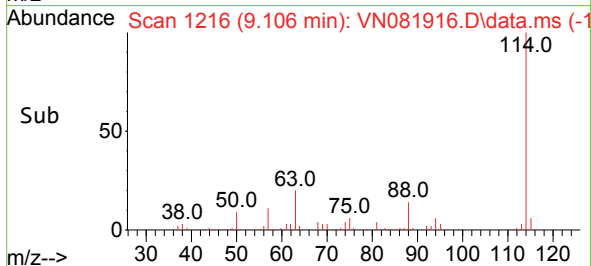
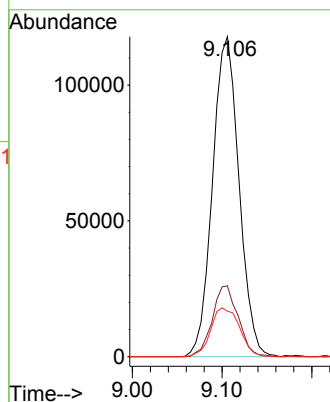
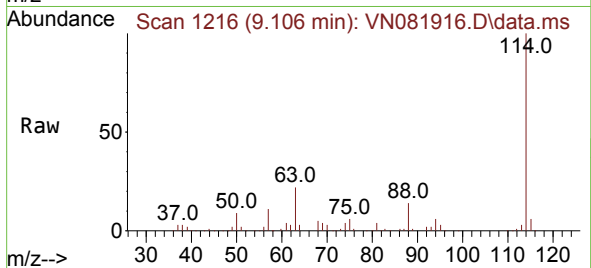
Tgt Ion:114 Resp: 241306

Ion Ratio Lower Upper

114 100

63 21.6 15.9 23.9

88 16.6 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.178 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN081916.D

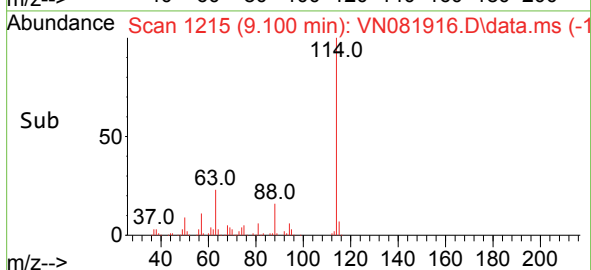
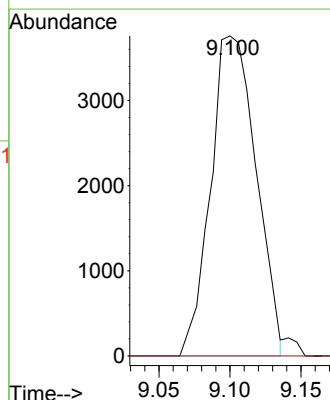
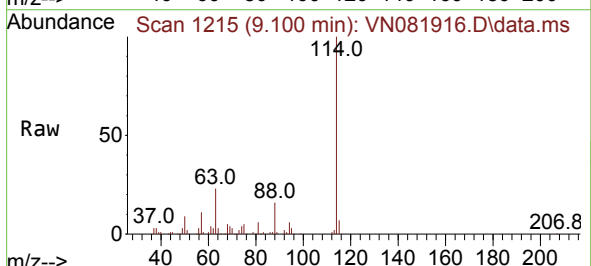
Acq: 29 Apr 2024 15:56

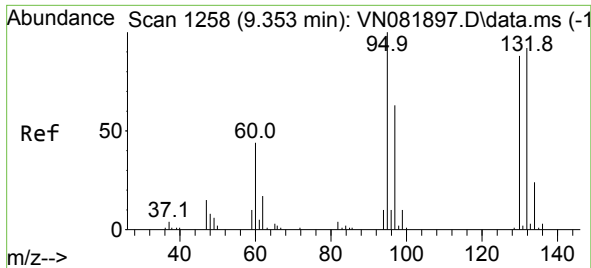
Tgt Ion: 62 Resp: 8379

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#37

Trichloroethene

Concen: 0.221 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081916.D

Acq: 29 Apr 2024 15:56

Instrument :

MSVOA_N

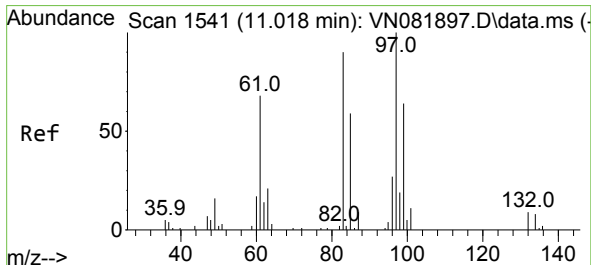
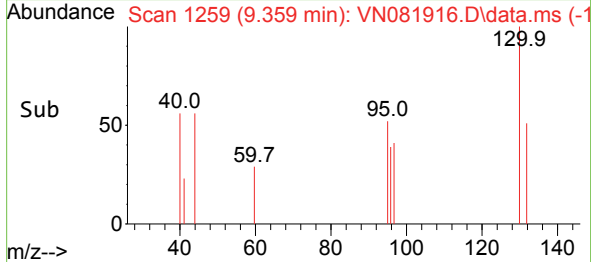
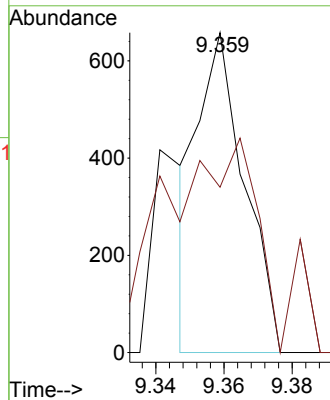
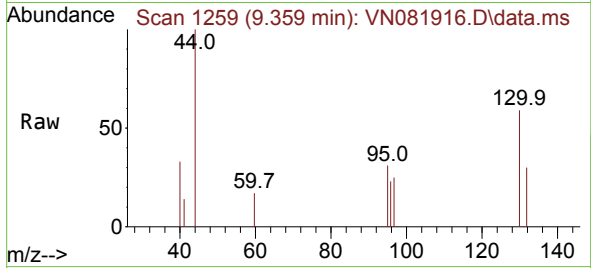
ClientSampleId :

Tgt Ion:130 Resp: 621

Ion Ratio Lower Upper

130 100

95 51.7 80.2 120.4#



#50

1,1,2-Trichloroethane

Concen: 3.190 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN081916.D

Acq: 29 Apr 2024 15:56

Tgt Ion: 97 Resp: 8175

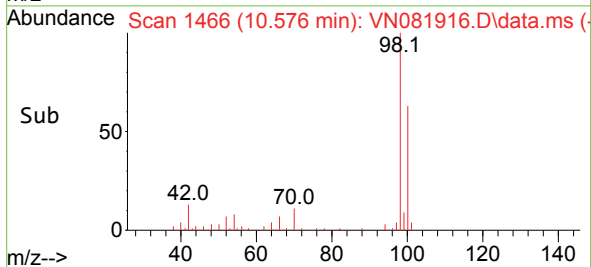
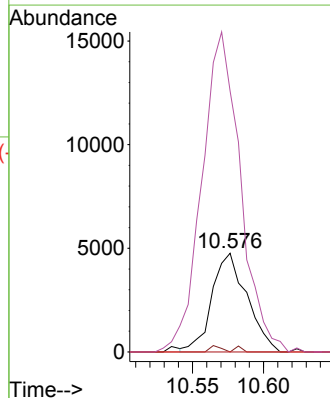
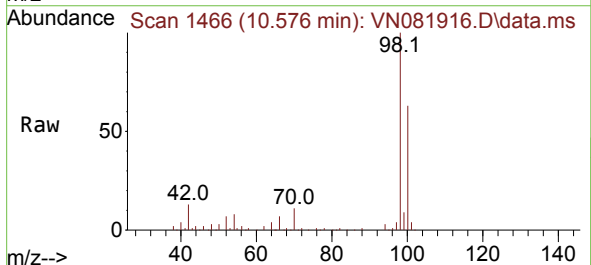
Ion Ratio Lower Upper

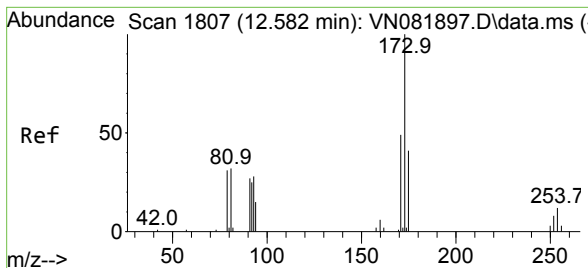
97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 253.5 47.0 70.4#





#56

Bromoform

Concen: 0.224 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.264 min

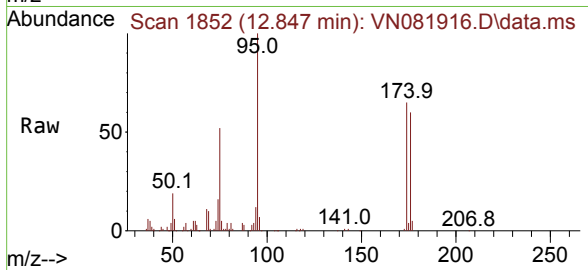
Lab File: VN081916.D

Acq: 29 Apr 2024 15:56

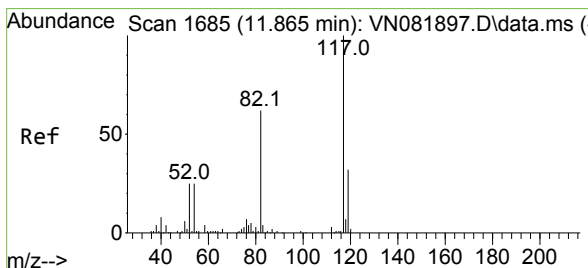
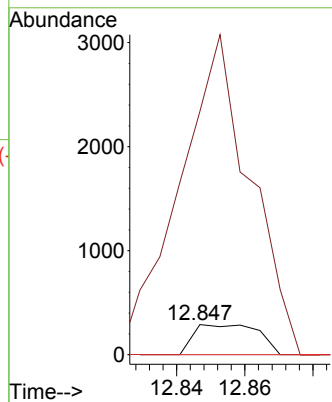
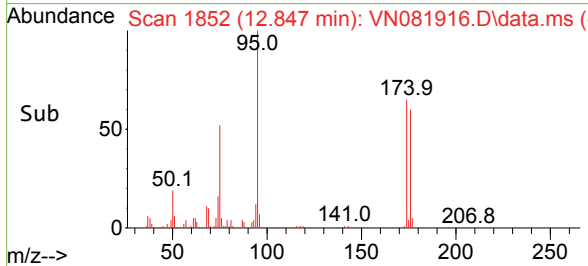
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	380
Ion Ratio	Lower	Upper	
173	100		
175	1171.6	40.0	60.0#
254	0.0	8.3	12.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

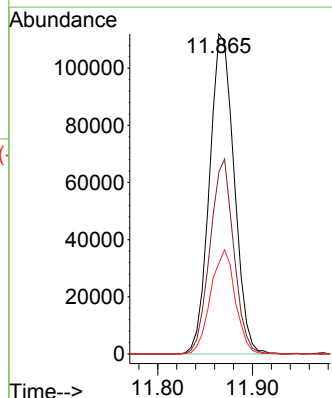
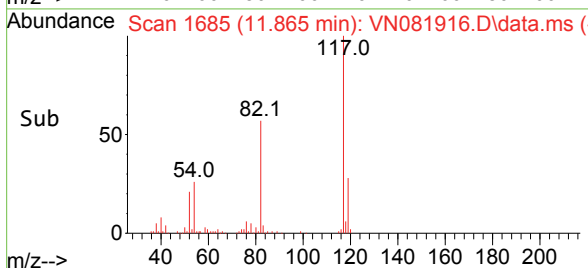
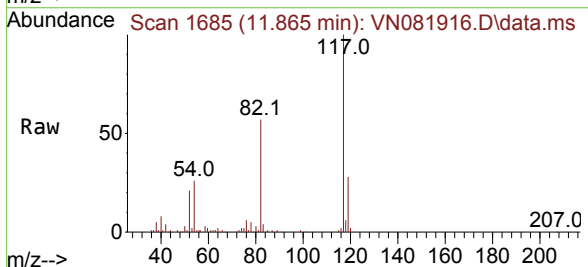
RT: 11.865 min Scan# 1685

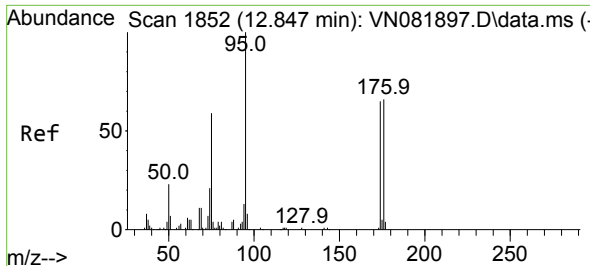
Delta R.T. -0.000 min

Lab File: VN081916.D

Acq: 29 Apr 2024 15:56

Tgt Ion:	117	Resp:	202425
Ion Ratio	Lower	Upper	
117	100		
82	58.7	46.6	69.8
119	32.5	25.4	38.2

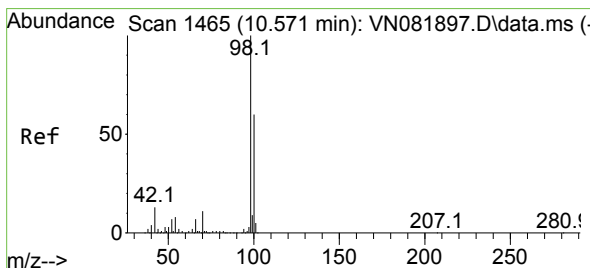
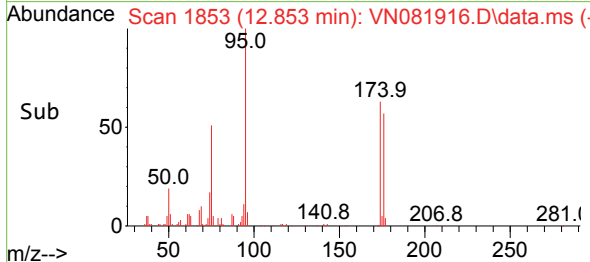
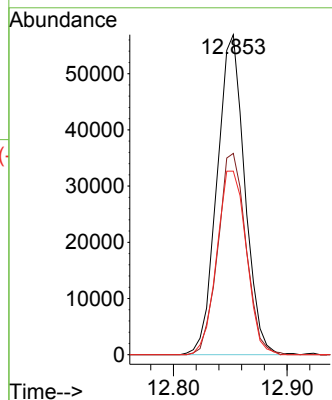
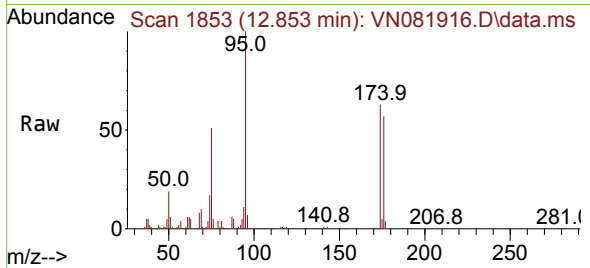




#60
4-Bromofluorobenzene
Concen: 28.590 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081916.D
Acq: 29 Apr 2024 15:56

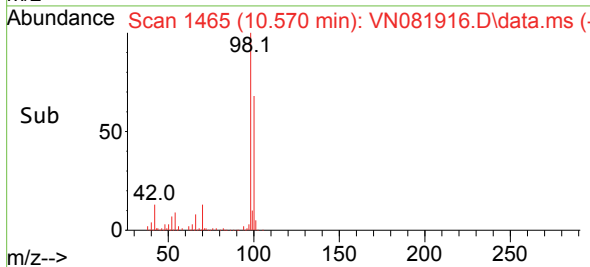
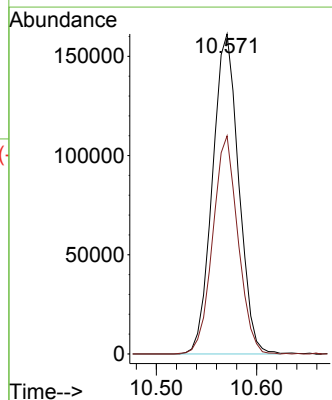
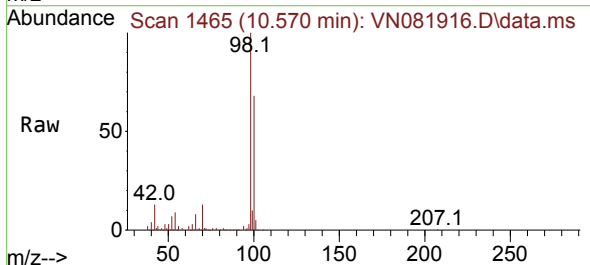
Instrument :
MSVOA_N
ClientSampleId :

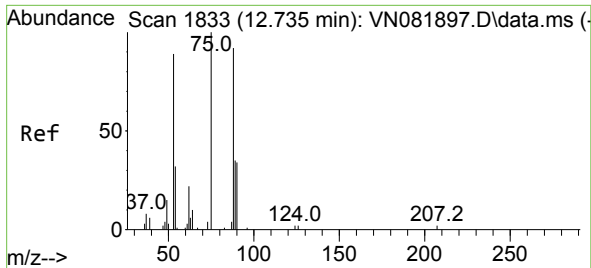
Tgt Ion: 95 Resp: 96314
Ion Ratio Lower Upper
95 100
174 64.0 60.5 90.7
176 61.2 57.8 86.6



#63
Toluene-d8
Concen: 30.425 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081916.D
Acq: 29 Apr 2024 15:56

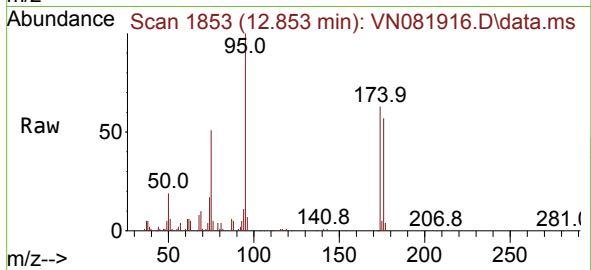
Tgt Ion: 98 Resp: 292487
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1





#77
t-1,4-Dichloro-2-butene
Concen: 35.994 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN081916.D
Acq: 29 Apr 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :



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

