

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
 Data File : VN082036.D
 Acq On : 08 May 2024 18:49
 Operator : JC\MD
 Sample : P2427-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240424079-01

Quant Time: May 09 01:05:42 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)

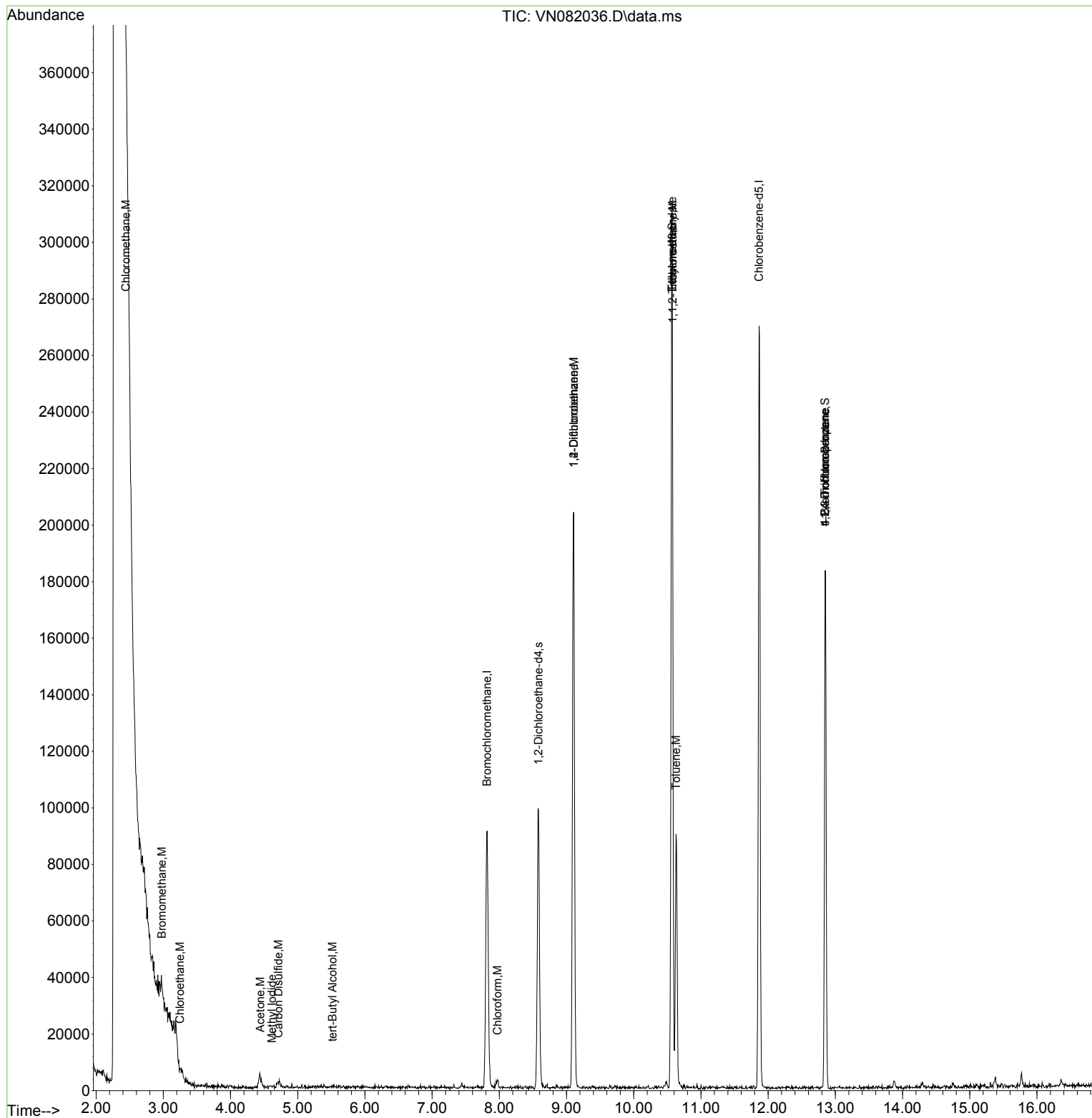
Internal Standards						
1) Bromochloromethane	7.818	128	28387	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	171427	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	144721	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	76300	32.103	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.000%
60) 4-Bromofluorobenzene	12.847	95	64742	26.881	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.600%
63) Toluene-d8	10.571	98	209135	30.429	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.433%
Target Compounds						
					Qvalue	
3) Chloromethane	2.442	50	1668	0.893	ug/l #	43
5) Bromomethane	2.977	94	2046	2.221	ug/l	93
6) Chloroethane	3.248	64	516	0.516	ug/l #	82
11) Methyl Iodide	4.618	142	626	0.395	ug/l #	46
15) Acetone	4.442	58	1868	8.420	ug/l #	50
16) Carbon Disulfide	4.712	76	1609	0.335	ug/l #	78
23) tert-Butyl Alcohol	5.518	59	544	1.334	ug/l #	100
25) Chloroform	7.971	83	1130	0.330	ug/l #	49
36) 1,2-Dichloroethane	9.106	62	6565	2.402	ug/l #	72
50) 1,1,2-Trichloroethane	10.577	97	5988	3.289	ug/l #	1
51) Ethyl methacrylate	10.571	69	751	0.219	ug/l #	61
62) Toluene	10.630	91	65362	8.027	ug/l	97
72) 1,2,3-Trichloropropane	12.847	75	35904	16.049	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	35904	36.057	ug/l #	12

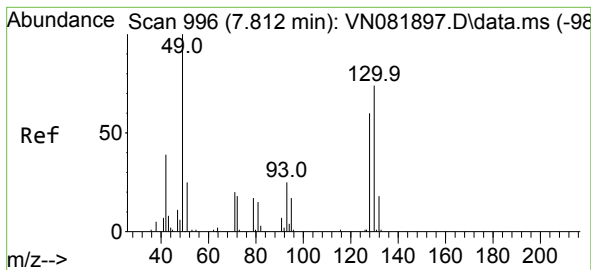
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050824\
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN082036.D

Acq: 08 May 2024 18:49

Instrument :

MSVOA_N

ClientSampleId :

240424079-01

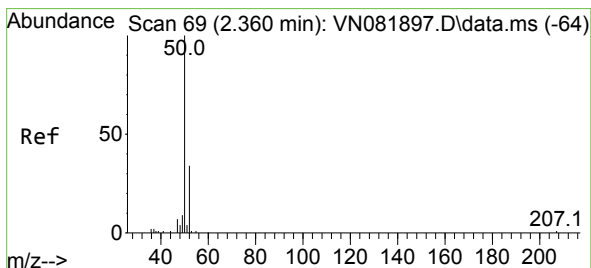
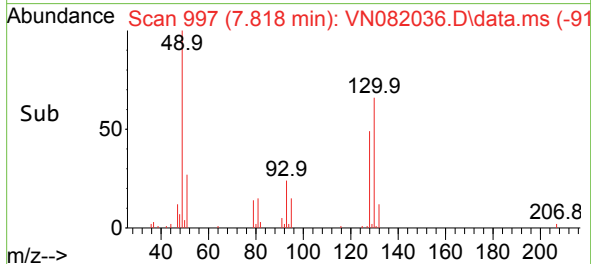
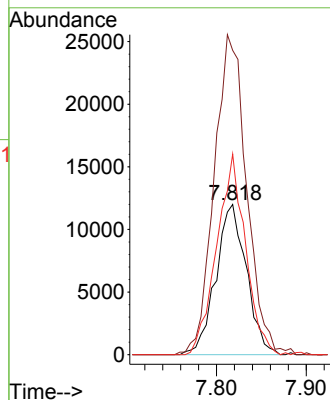
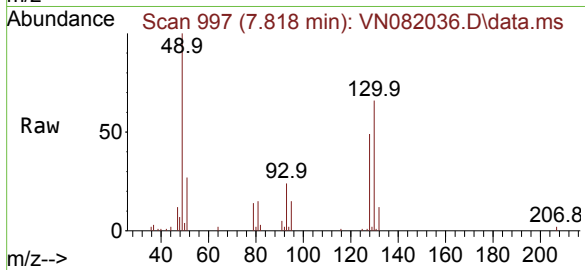
Tgt Ion:128 Resp: 28387

Ion Ratio Lower Upper

128 100

49 224.3 0.0 403.7

130 125.7 0.0 323.3



#3

Chloromethane

Concen: 0.893 ug/l

RT: 2.442 min Scan# 83

Delta R.T. 0.082 min

Lab File: VN082036.D

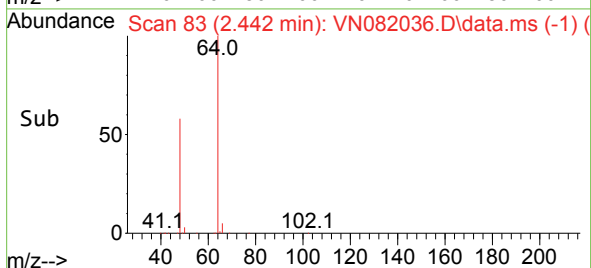
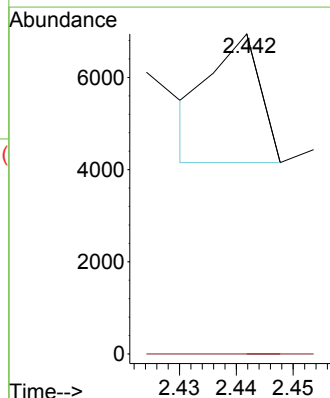
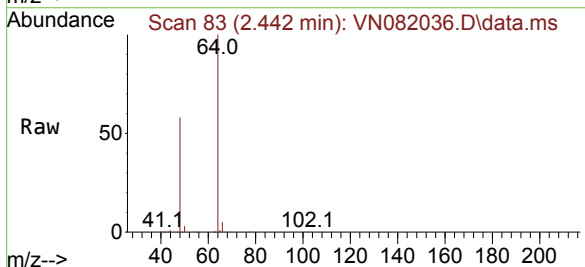
Acq: 08 May 2024 18:49

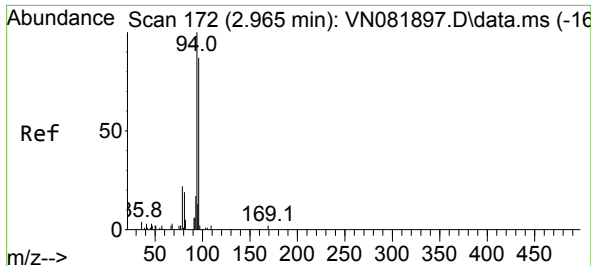
Tgt Ion: 50 Resp: 1668

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.0#

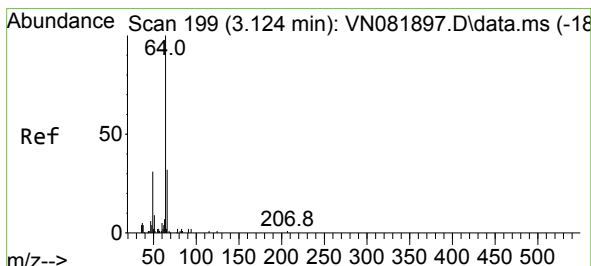
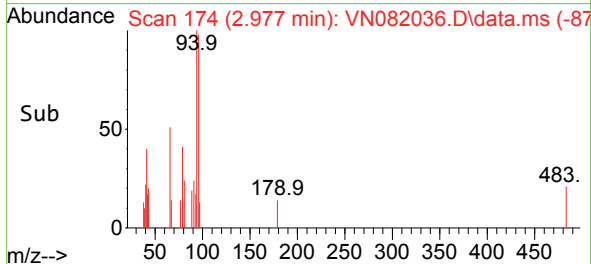
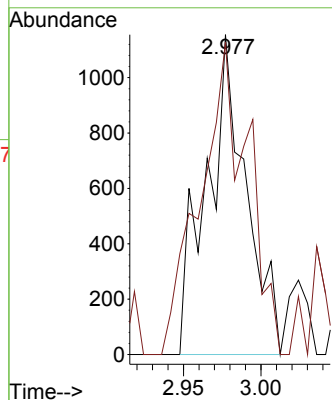
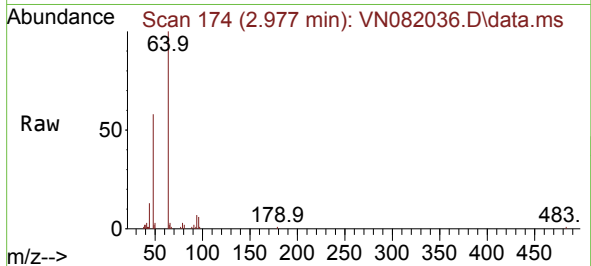




#5
Bromomethane
Concen: 2.221 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

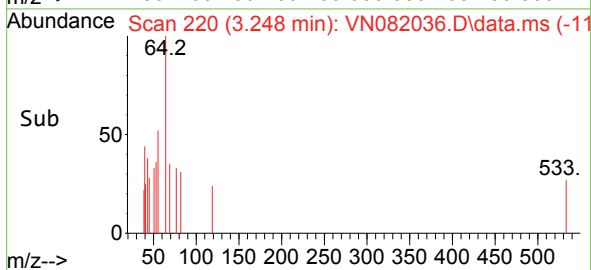
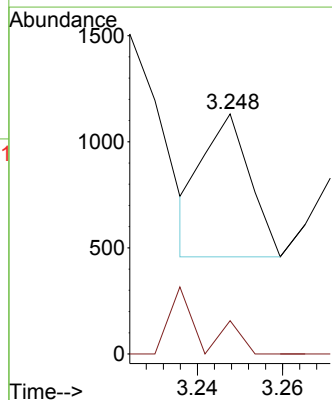
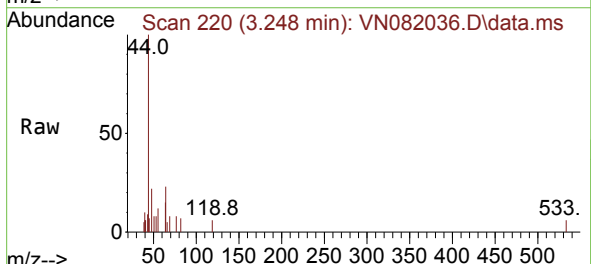
Instrument :
MSVOA_N
ClientSampleId :
240424079-01

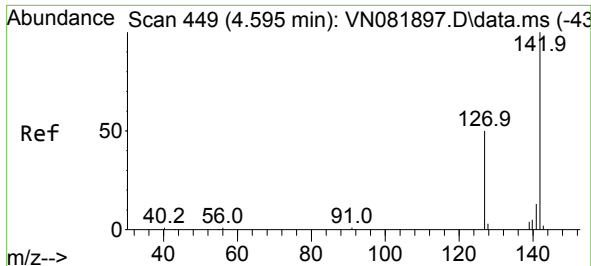
Tgt Ion: 94 Resp: 2046
Ion Ratio Lower Upper
94 100
96 97.7 72.8 109.2



#6
Chloroethane
Concen: 0.516 ug/l
RT: 3.248 min Scan# 220
Delta R.T. 0.123 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

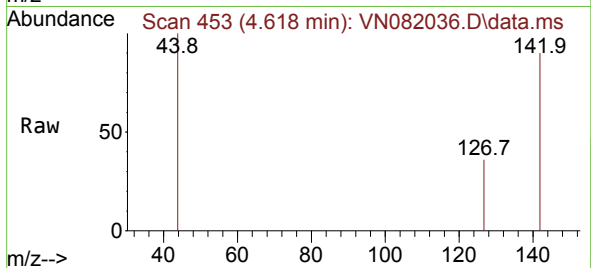
Tgt Ion: 64 Resp: 516
Ion Ratio Lower Upper
64 100
66 23.3 26.7 40.1#



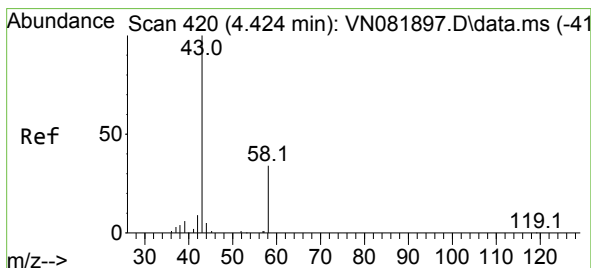
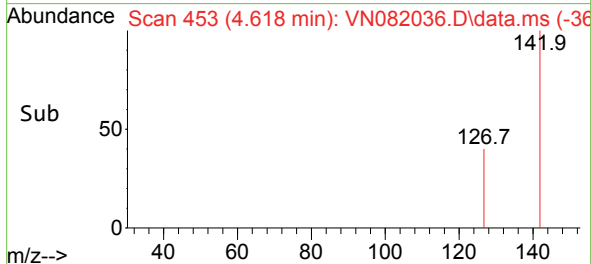
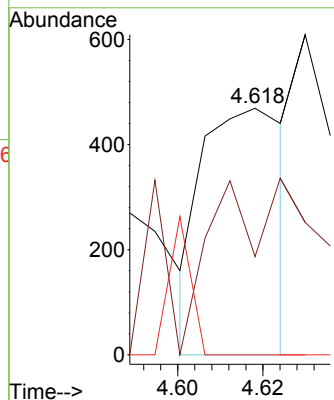


#11
Methyl Iodide
Concen: 0.395 ug/l
RT: 4.618 min Scan# 411
Delta R.T. 0.024 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :
240424079-01

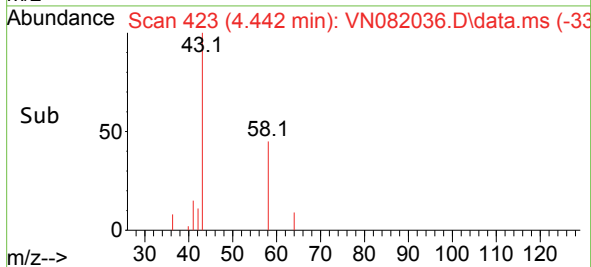
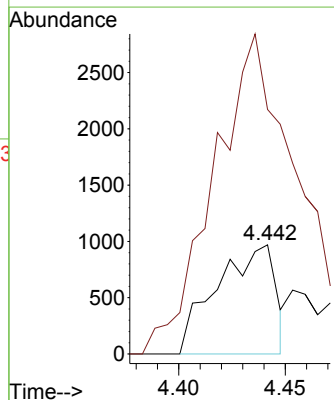
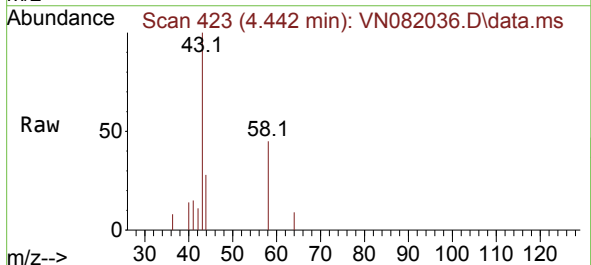


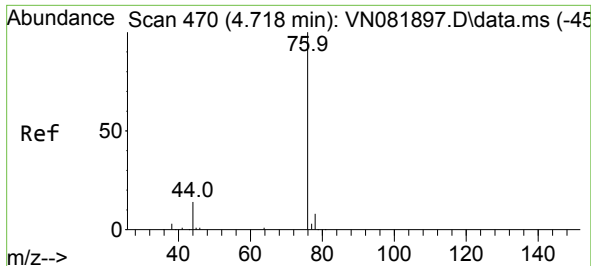
Tgt Ion:142 Resp: 626
Ion Ratio Lower Upper
142 100
127 11.2 26.3 78.9#
141 0.0 8.3 24.9#



#15
Acetone
Concen: 8.420 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

Tgt Ion: 58 Resp: 1868
Ion Ratio Lower Upper
58 100
43 186.1 223.1 334.7#

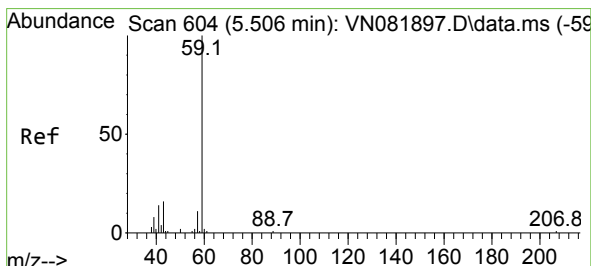
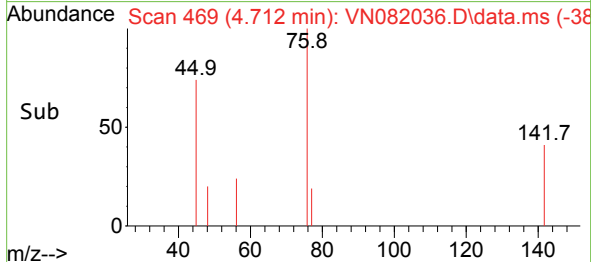
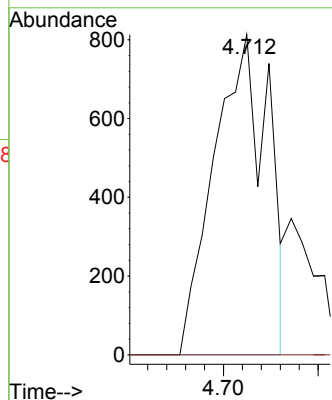
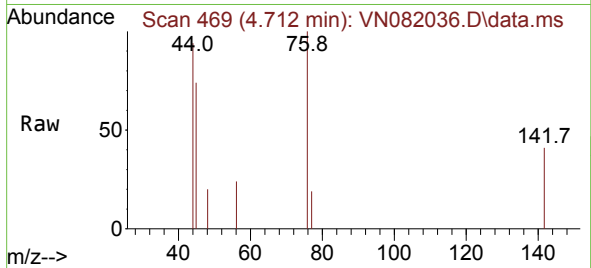




#16
Carbon Disulfide
Concen: 0.335 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

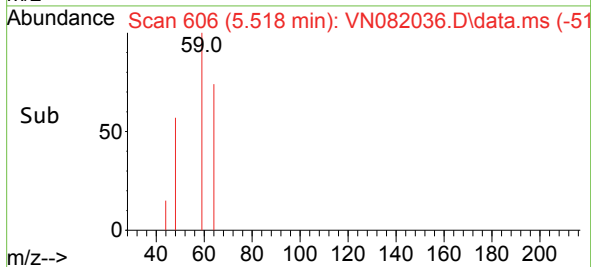
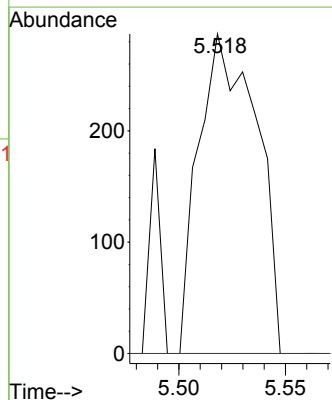
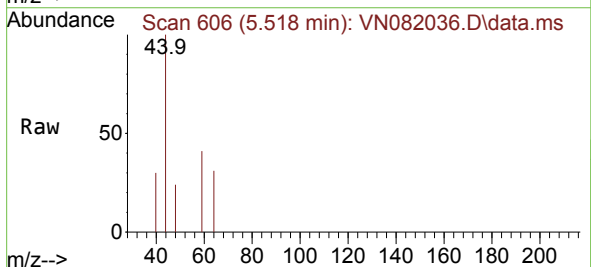
Instrument :
MSVOA_N
ClientSampleId :
240424079-01

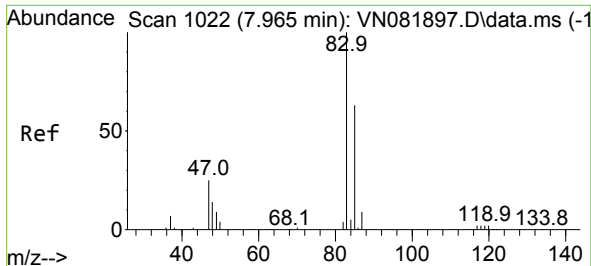
Tgt Ion: 76 Resp: 1609
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#



#23
tert-Butyl Alcohol
Concen: 1.334 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

Tgt Ion: 59 Resp: 544
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

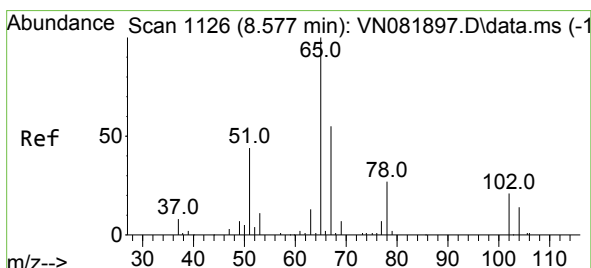
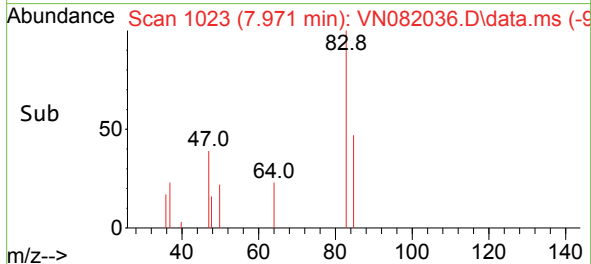
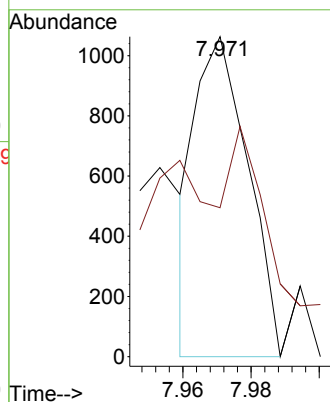
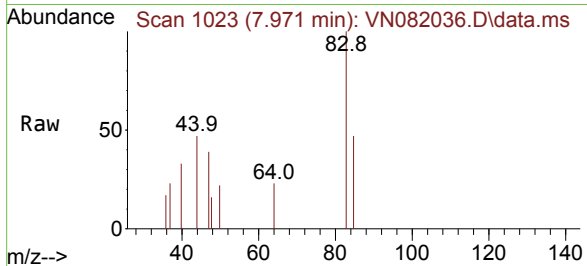




#25
Chloroform
Concen: 0.330 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

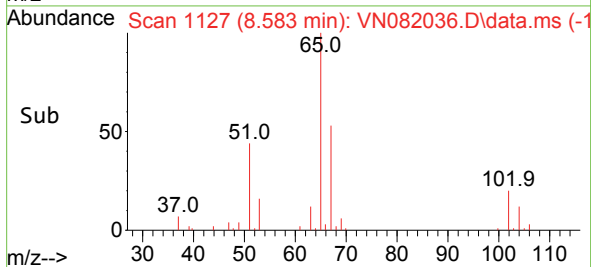
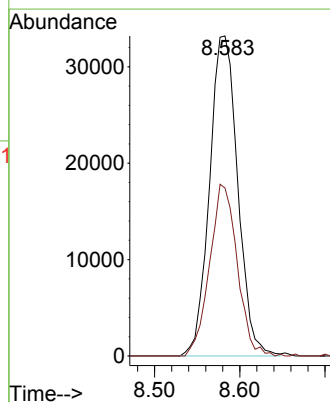
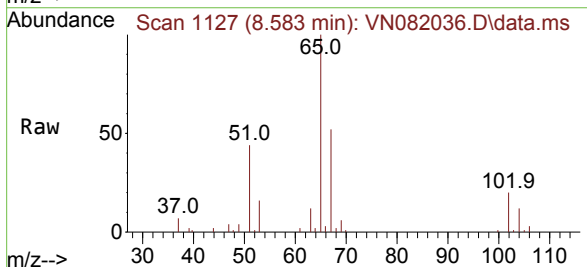
Instrument :
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ClientSampleId :
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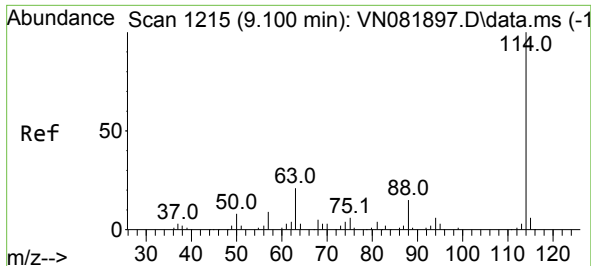
Tgt Ion: 83 Resp: 1130
Ion Ratio Lower Upper
83 100
85 23.8 50.9 76.3#



#27
1,2-Dichloroethane-d4
Concen: 32.103 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

Tgt Ion: 65 Resp: 76300
Ion Ratio Lower Upper
65 100
67 52.3 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082036.D

Acq: 08 May 2024 18:49

Instrument :

MSVOA_N

ClientSampleId :

240424079-01

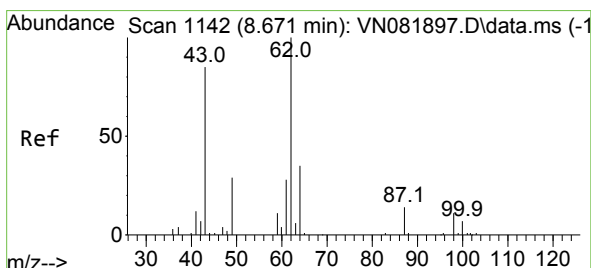
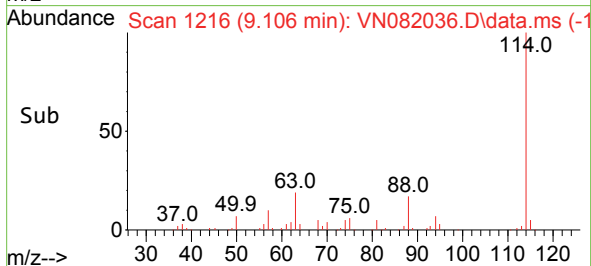
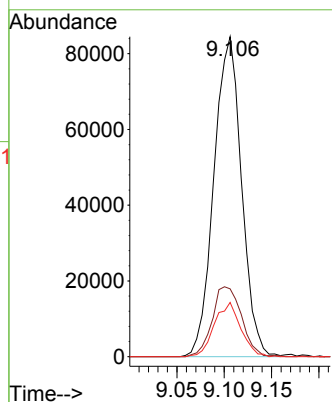
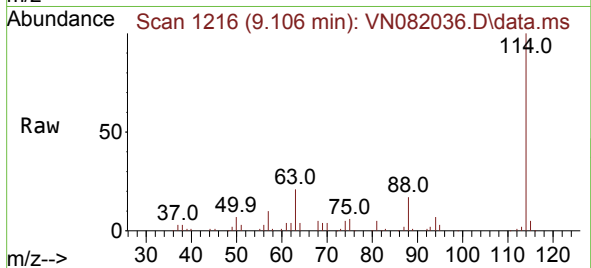
Tgt Ion:114 Resp: 171427

Ion Ratio Lower Upper

114 100

63 23.1 15.9 23.9

88 16.2 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.402 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN082036.D

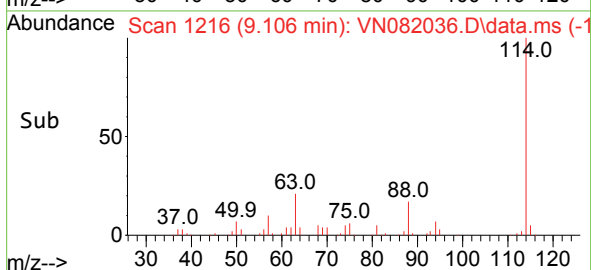
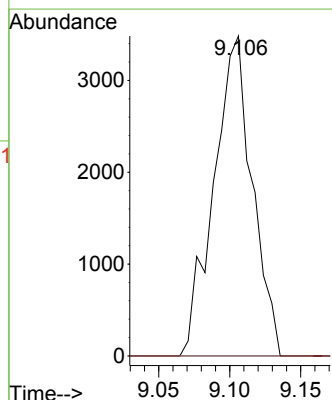
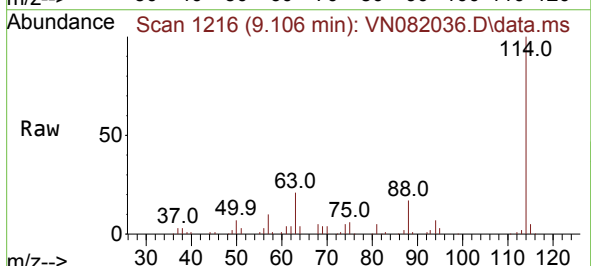
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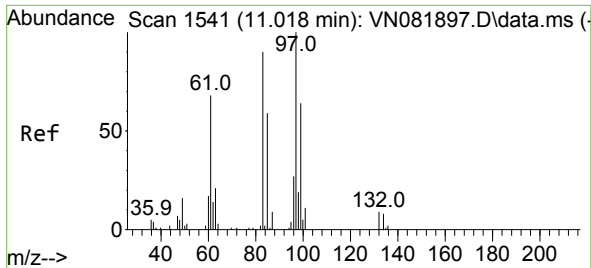
Tgt Ion: 62 Resp: 6565

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

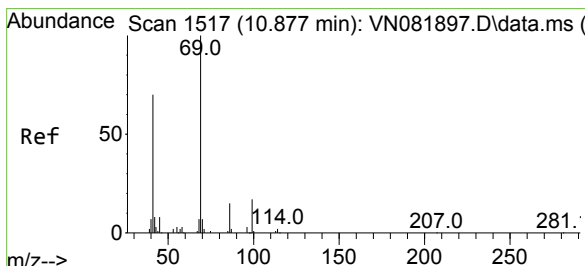
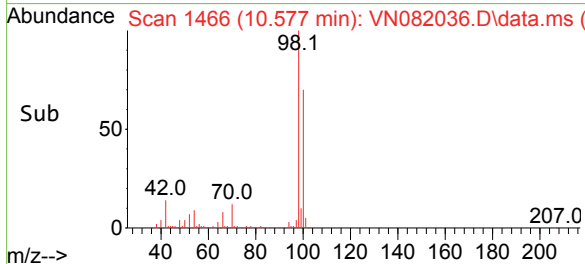
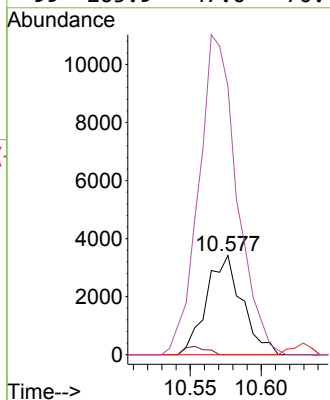
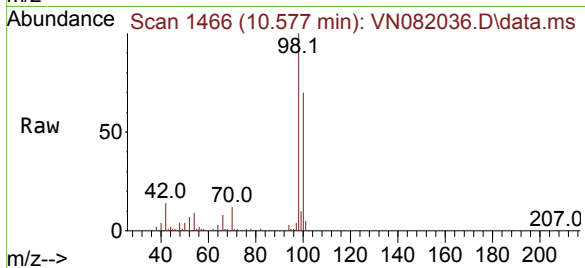




#50
1,1,2-Trichloroethane
Concen: 3.289 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

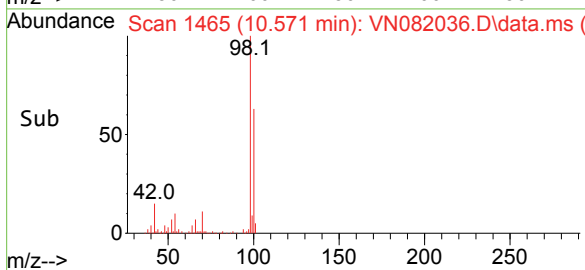
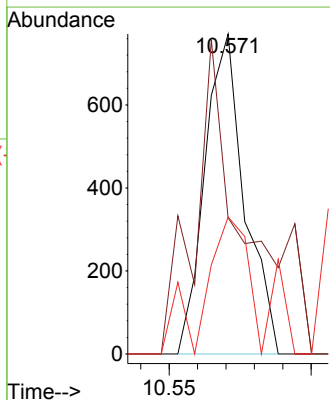
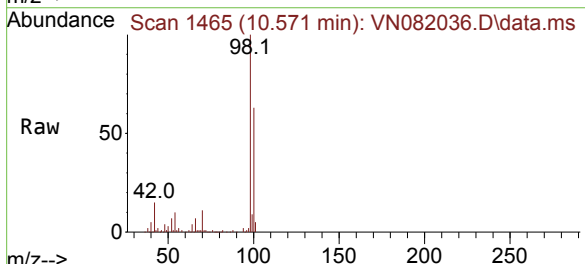
Instrument :
MSVOA_N
ClientSampleId :
240424079-01

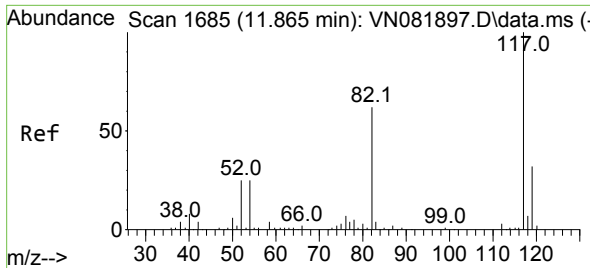
Tgt Ion: 97	Resp: 5988
Ion Ratio	Lower Upper
97 100	
83 0.0	68.1 102.1#
85 0.0	41.8 62.6#
99 265.9	47.0 70.4#



#51
Ethyl methacrylate
Concen: 0.219 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.306 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

Tgt Ion: 69	Resp: 751
Ion Ratio	Lower Upper
69 100	
41 15.6	25.5 76.5#
39 20.4	16.0 47.9

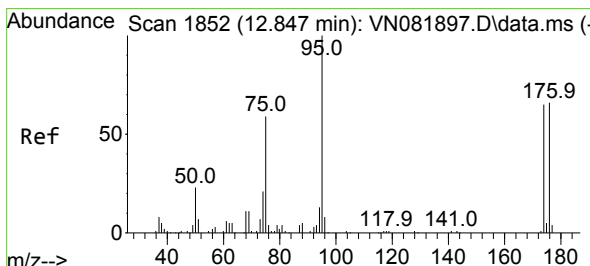
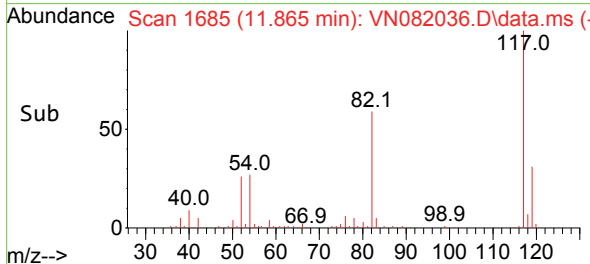
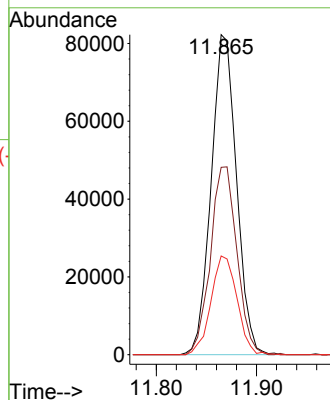
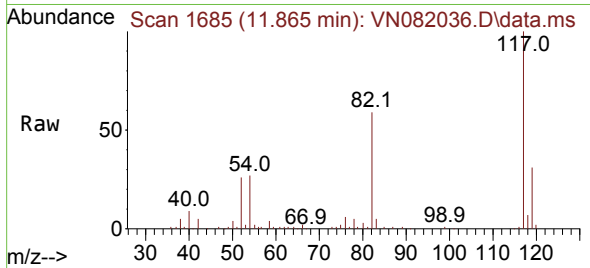




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

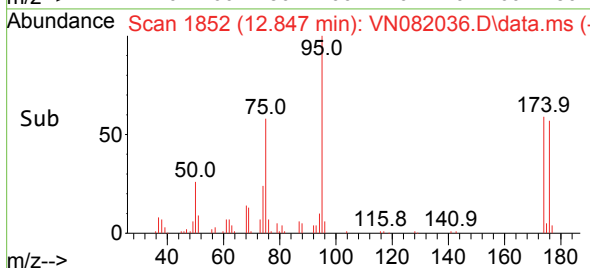
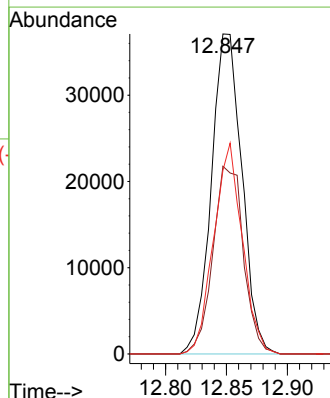
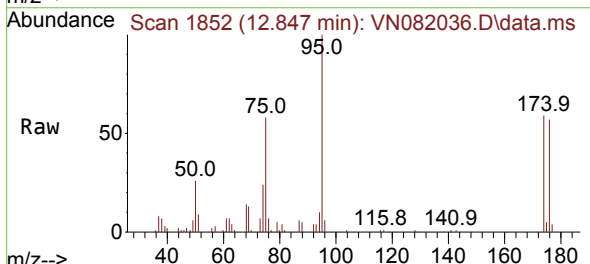
Instrument :
MSVOA_N
ClientSampleId :
240424079-01

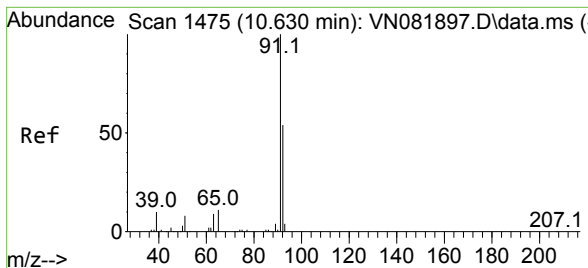
Tgt Ion:117 Resp: 144721
Ion Ratio Lower Upper
117 100
82 61.2 46.6 69.8
119 31.5 25.4 38.2



#60
4-Bromofluorobenzene
Concen: 26.881 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

Tgt Ion: 95 Resp: 64742
Ion Ratio Lower Upper
95 100
174 58.7 60.5 90.7#
176 61.6 57.8 86.6





#62

Toluene

Concen: 8.027 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN082036.D

Acq: 08 May 2024 18:49

Instrument :

MSVOA_N

ClientSampleId :

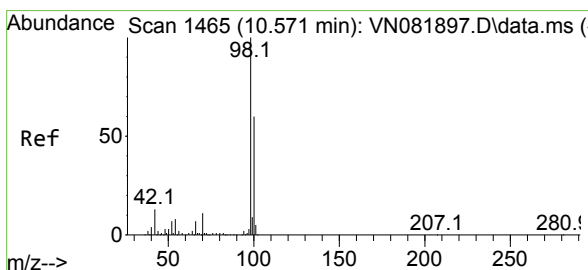
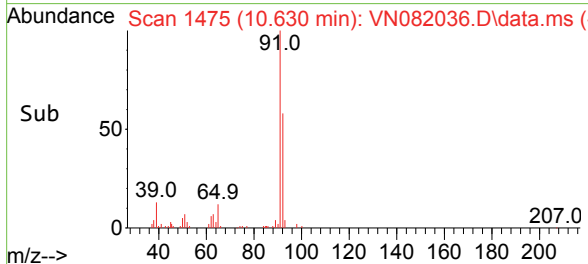
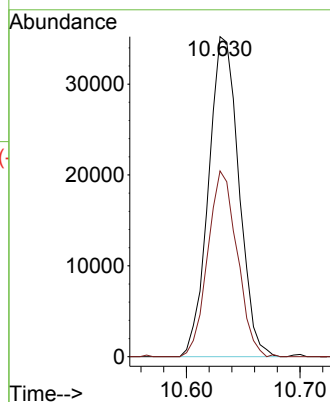
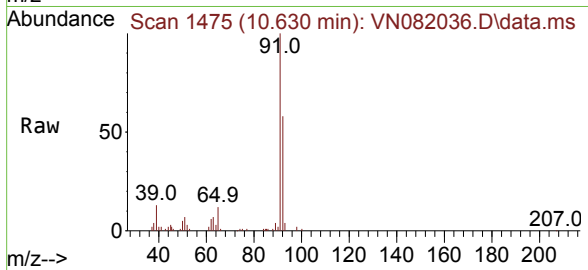
240424079-01

Tgt Ion: 91 Resp: 65362

Ion Ratio Lower Upper

91 100

92 56.1 46.5 69.7



#63

Toluene-d8

Concen: 30.429 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082036.D

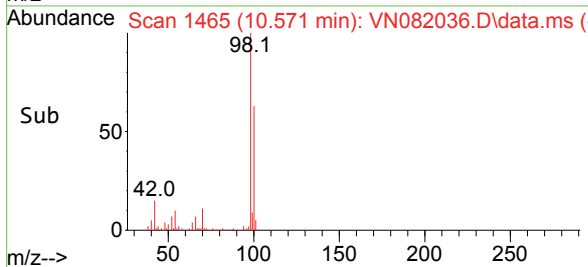
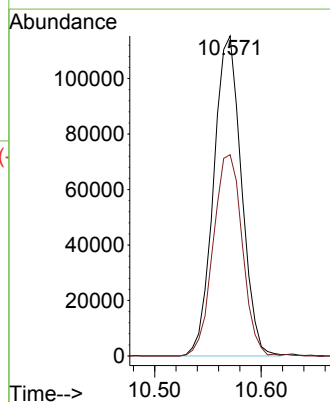
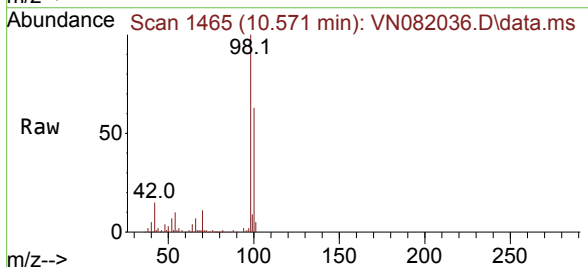
Acq: 08 May 2024 18:49

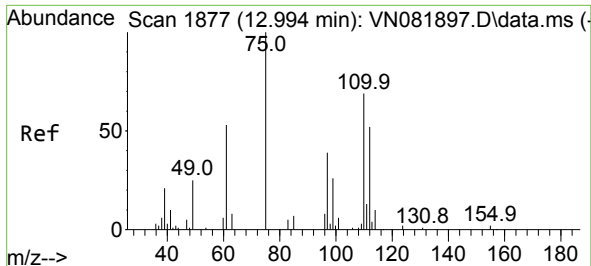
Tgt Ion: 98 Resp: 209135

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1

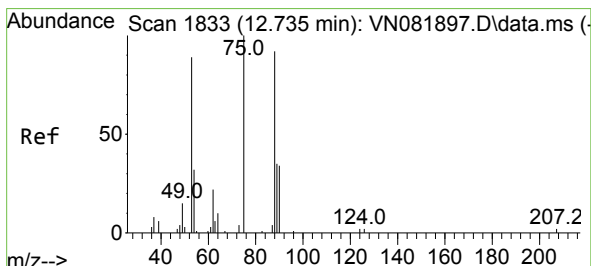
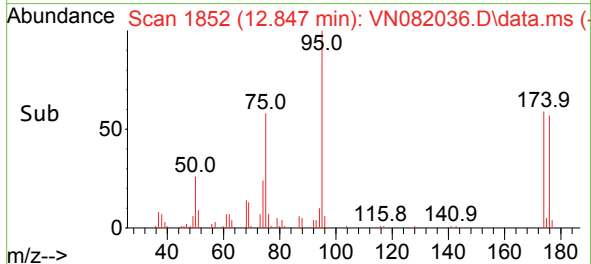
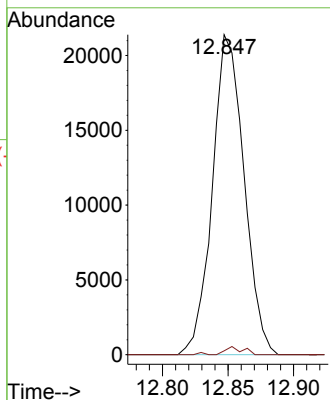
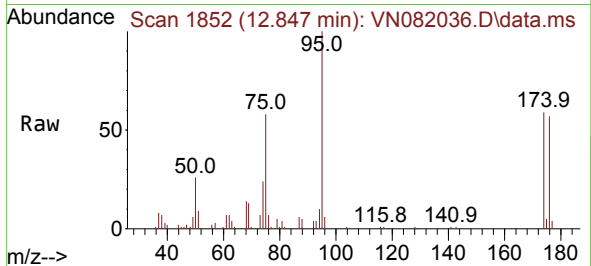




#72
1,2,3-Trichloropropane
Concen: 16.049 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

Instrument :
MSVOA_N
ClientSampleId :
240424079-01

Tgt Ion: 75 Resp: 35904
Ion Ratio Lower Upper
75 100
77 1.4 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 36.057 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082036.D
Acq: 08 May 2024 18:49

Tgt Ion: 75 Resp: 35904
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

