

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
 Data File : VN082413.D
 Acq On : 31 May 2024 17:11
 Operator : JC\MD
 Sample : P2669-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: May 31 23:00:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

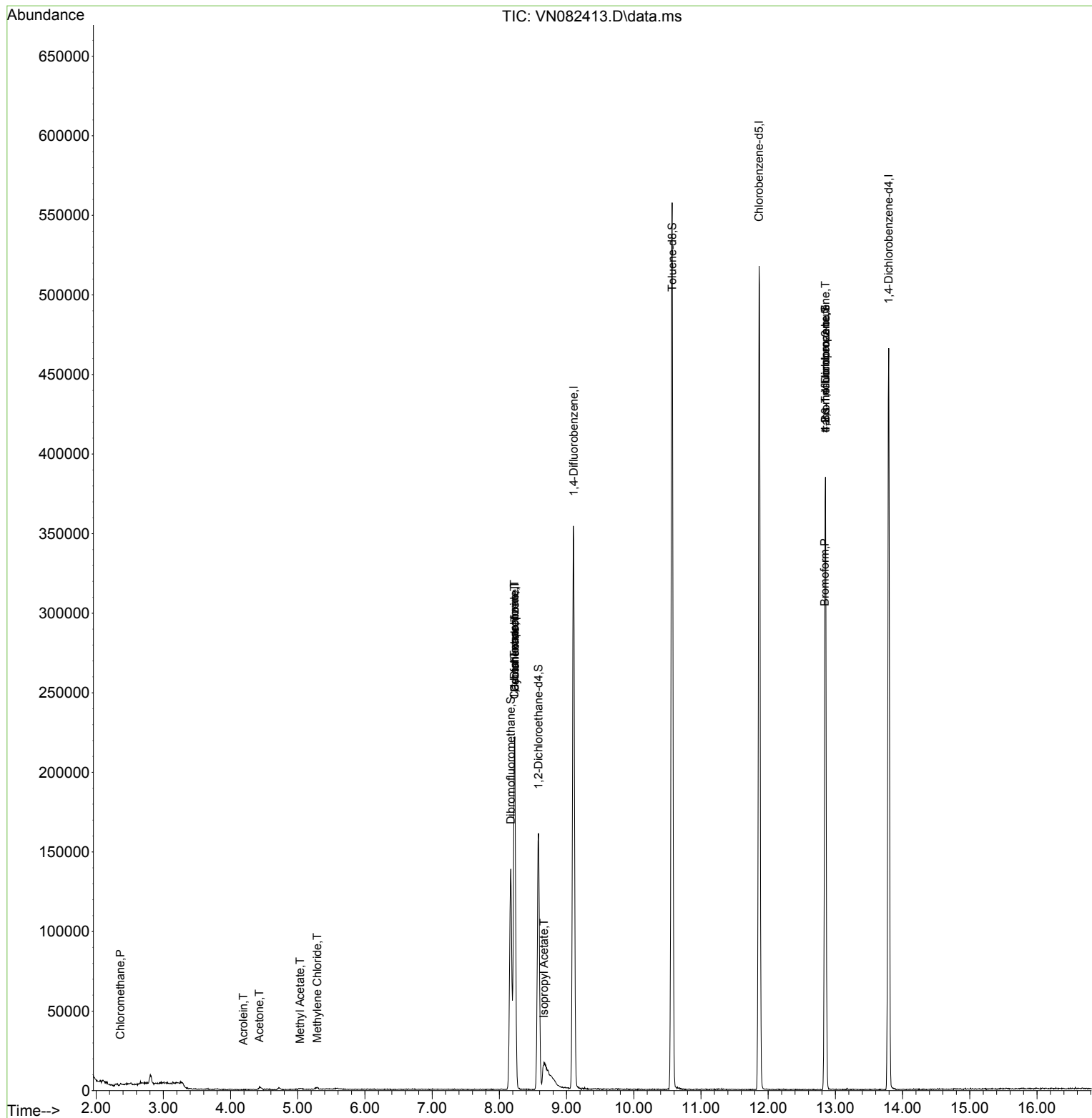
Internal Standards						
1) Pentafluorobenzene	8.230	168	152628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	115259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	133689	55.472	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.940%			
35) Dibromofluoromethane	8.171	113	94737	54.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.520%			
50) Toluene-d8	10.571	98	361570	54.511	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.020%			
62) 4-Bromofluorobenzene	12.853	95	120492	50.895	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 101.800%			
Target Compounds						Qvalue
3) Chloromethane	2.359	50	881	0.353	ug/l	94
13) Acrolein	4.189	56	135	0.471	ug/l #	15
16) Acetone	4.430	43	1289	1.304	ug/l #	83
18) Methyl Acetate	5.036	43	1121	0.455	ug/l #	47
20) Methylene Chloride	5.289	84	501	0.251	ug/l #	79
31) Cyclohexane	8.230	56	4318	1.122	ug/l #	48
36) 1,1-Dichloropropene	8.224	75	13617	4.693	ug/l #	50
38) Carbon Tetrachloride	8.224	117	16075	5.465	ug/l #	17
43) Isopropyl Acetate	8.665	43	10694	1.859	ug/l #	52
71) Bromoform	12.841	173	529	1.033	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	74073	30.534	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	74073	71.418	ug/l #	12

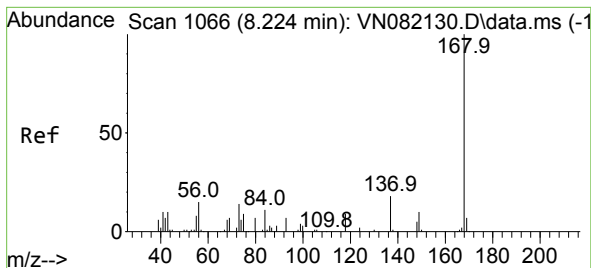
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082413.D

Acq: 31 May 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

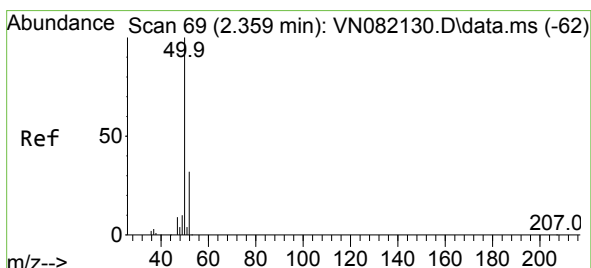
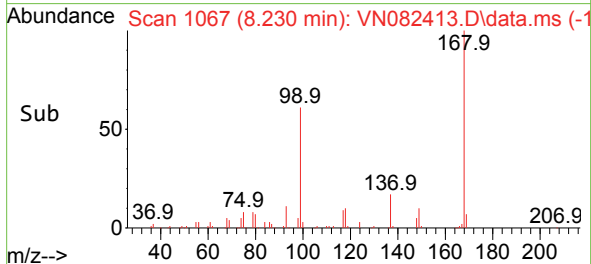
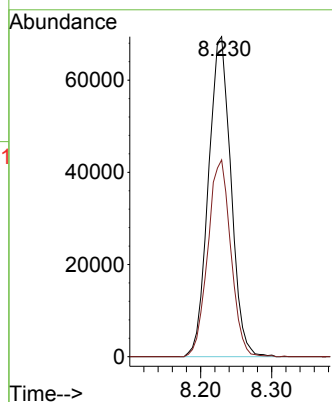
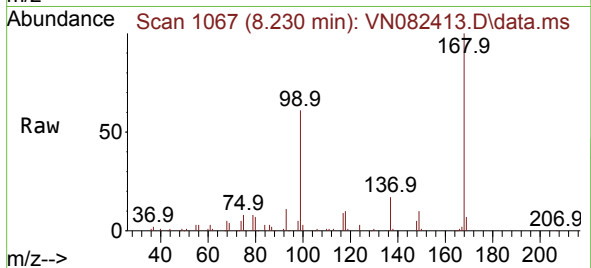
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion:168 Resp: 152628

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



#3

Chloromethane

Concen: 0.353 ug/l

RT: 2.359 min Scan# 69

Delta R.T. -0.000 min

Lab File: VN082413.D

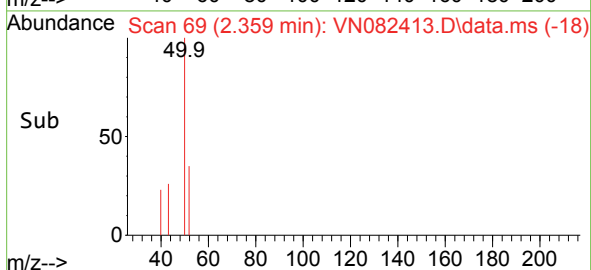
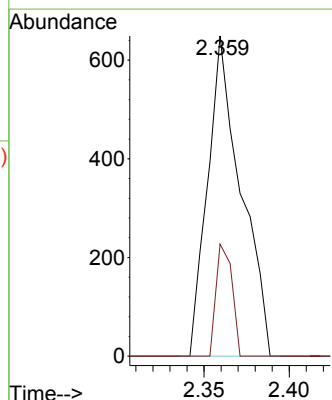
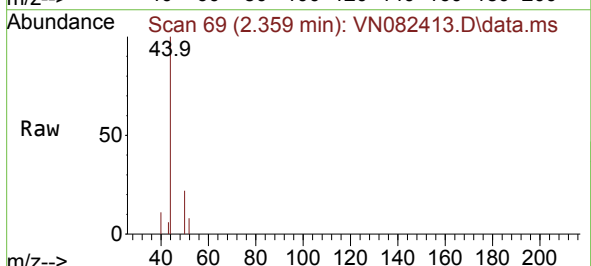
Acq: 31 May 2024 17:11

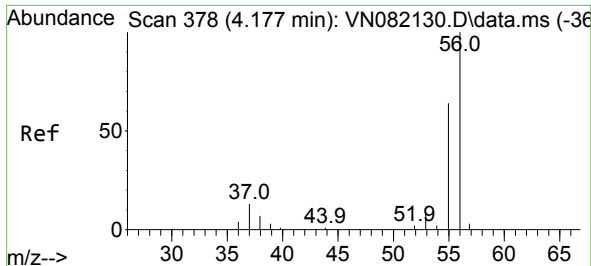
Tgt Ion: 50 Resp: 881

Ion Ratio Lower Upper

50 100

52 35.0 25.5 38.3

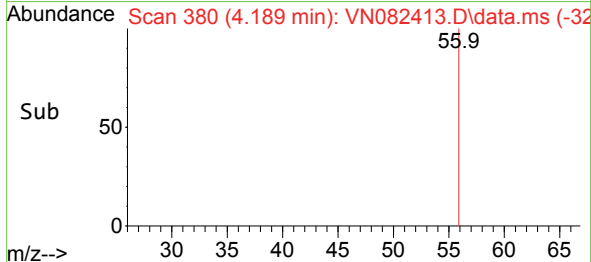
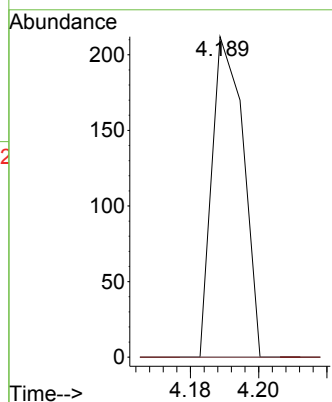
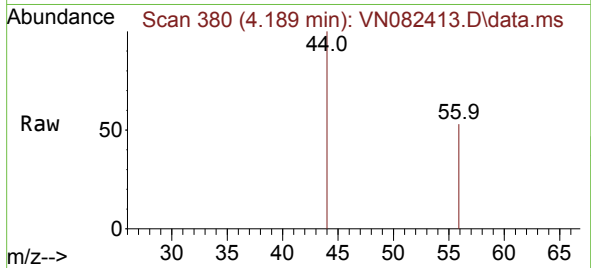




#13
Acrolein
Concen: 0.471 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

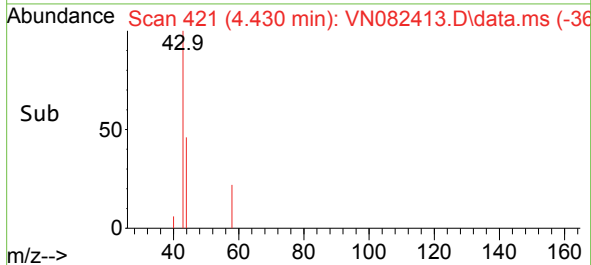
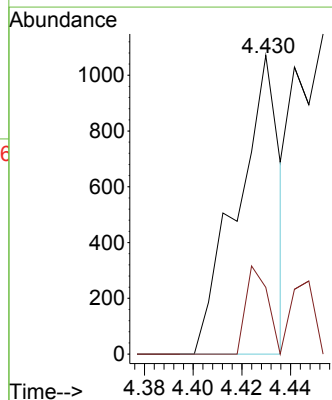
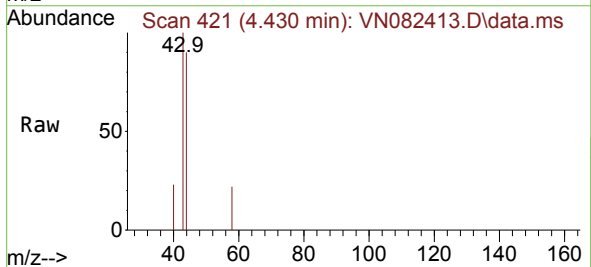
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 1.304 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

Tgt Ion: 43 Resp: 1289
Ion Ratio Lower Upper
43 100
58 22.3 25.2 37.8#

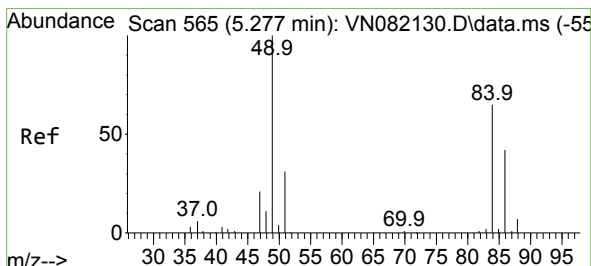
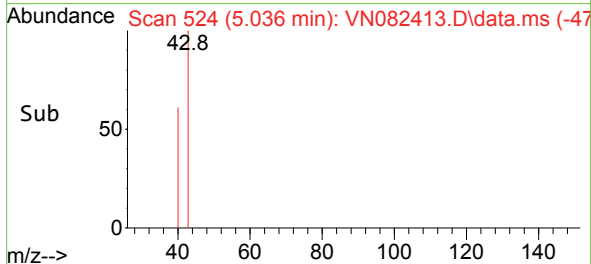
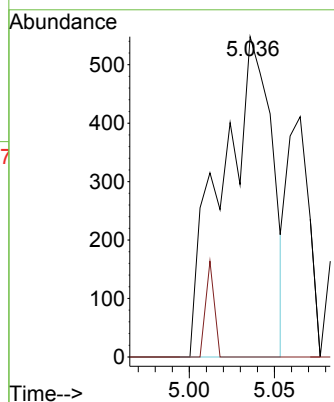
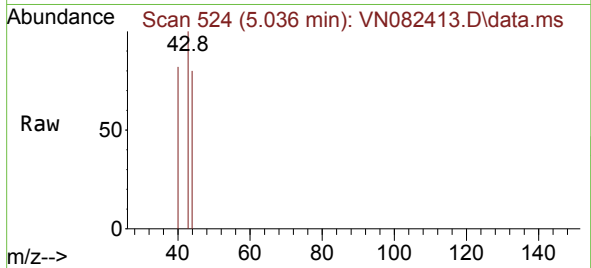




#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

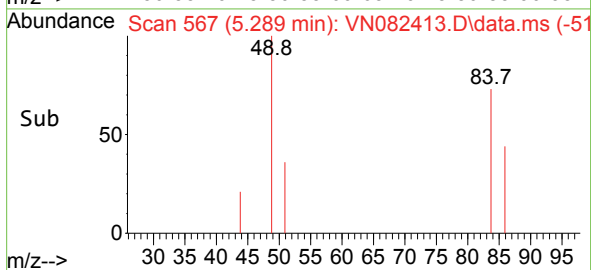
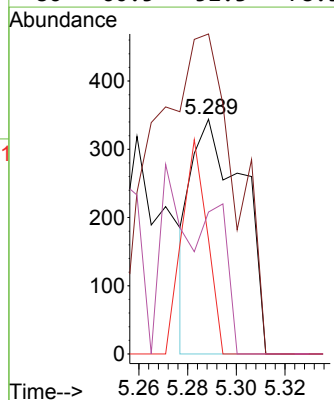
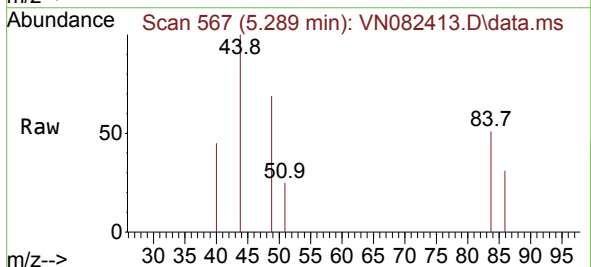
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

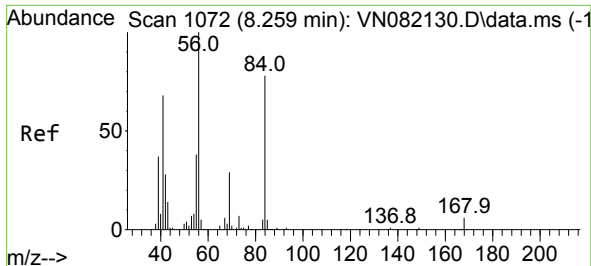
Tgt Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



#20
Methylene Chloride
Concen: 0.251 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

Tgt Ion: 84 Resp: 501
Ion Ratio Lower Upper
84 100
49 136.3 84.9 127.3#
51 48.8 27.0 40.6#
86 60.5 52.3 78.5

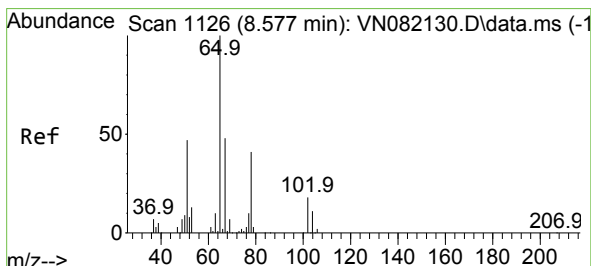
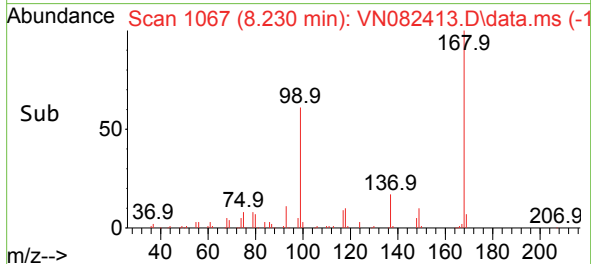
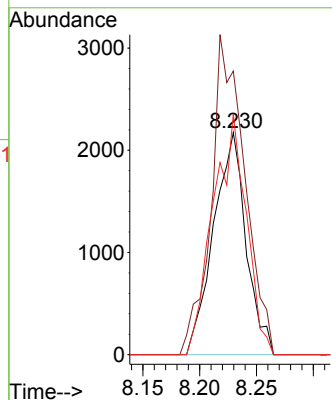
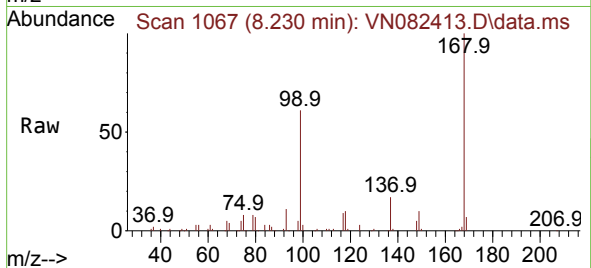




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

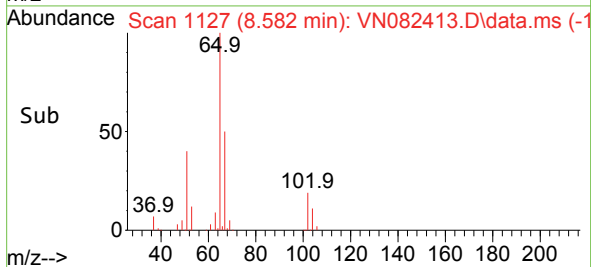
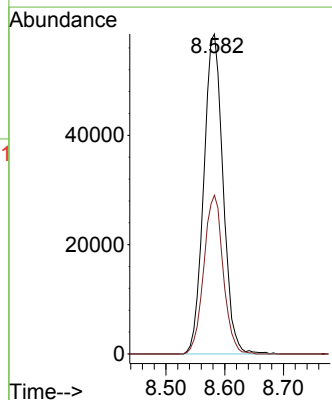
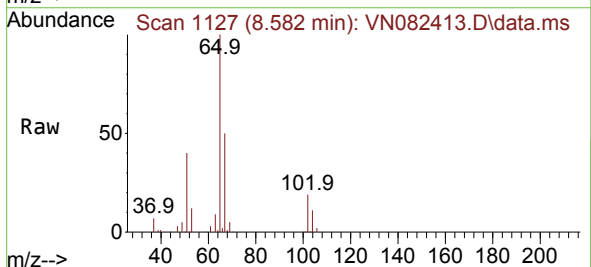
Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

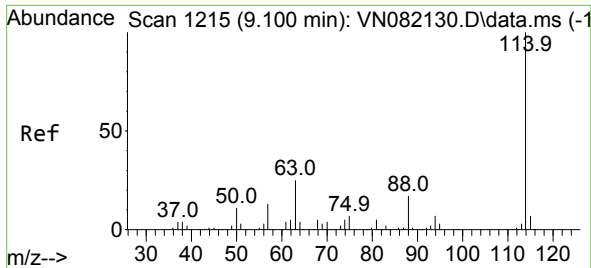
Tgt Ion: 56 Resp: 4318
Ion Ratio Lower Upper
56 100
69 127.7 24.4 36.6#
84 108.4 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 55.472 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

Tgt Ion: 65 Resp: 133689
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN082413.D

Acq: 31 May 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

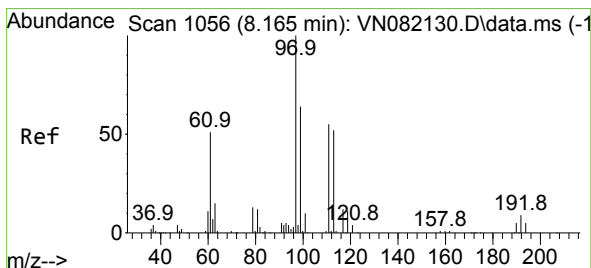
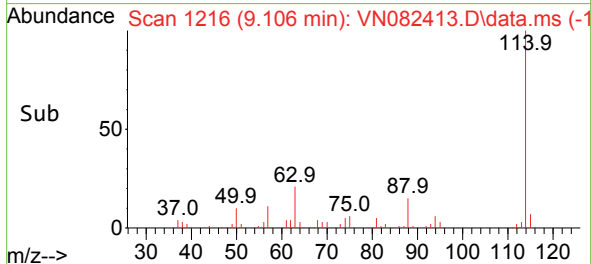
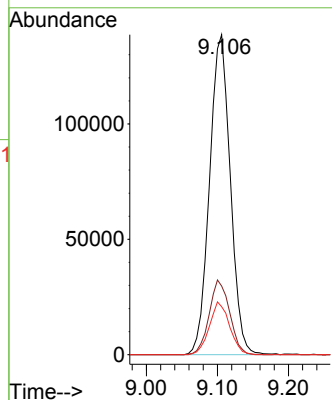
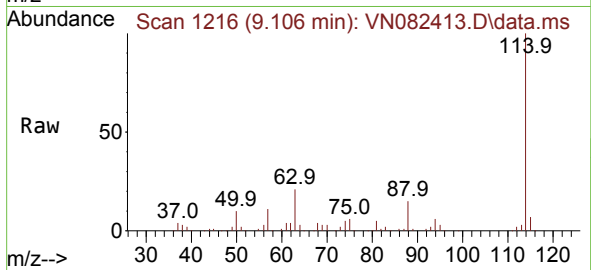
Tgt Ion:114 Resp: 281241

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.0

88 15.0 0.0 31.4



#35

Dibromofluoromethane

Concen: 54.759 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN082413.D

Acq: 31 May 2024 17:11

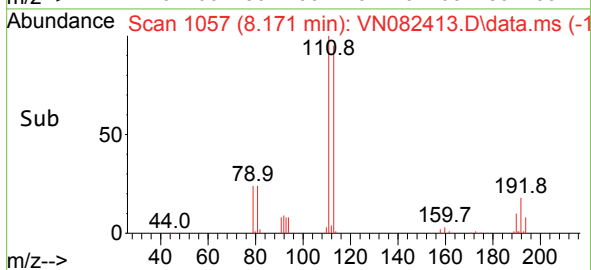
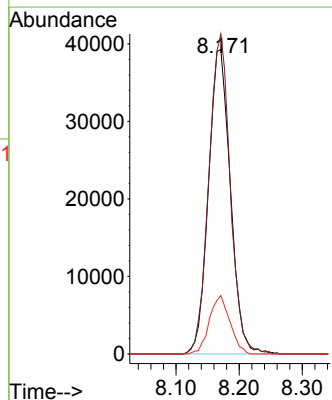
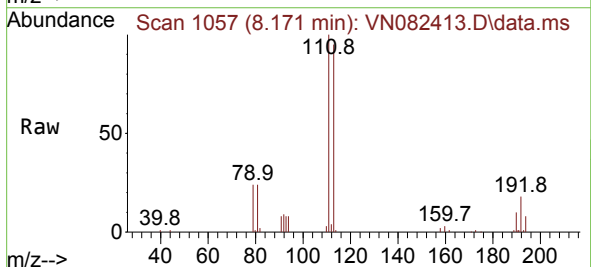
Tgt Ion:113 Resp: 94737

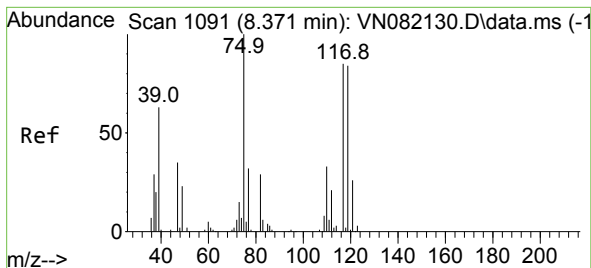
Ion Ratio Lower Upper

113 100

111 103.0 83.4 125.2

192 18.0 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.693 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082413.D

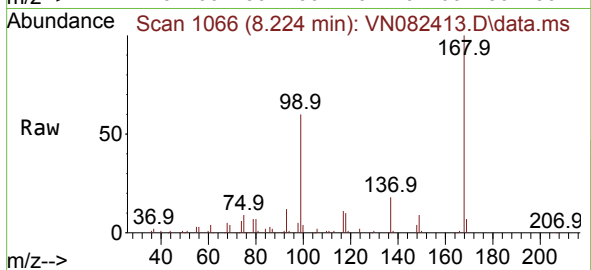
Acq: 31 May 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT



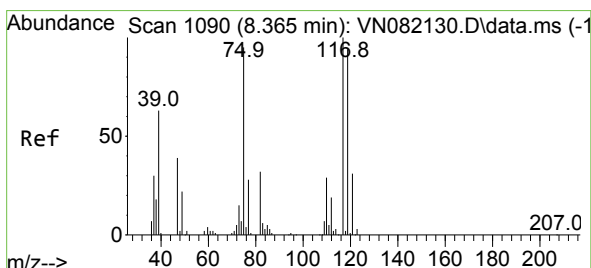
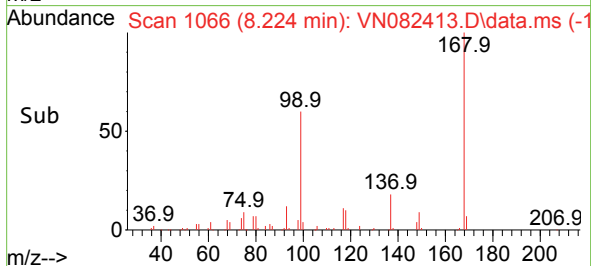
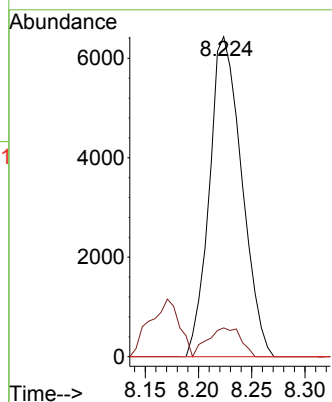
Tgt Ion: 75 Resp: 13617

Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.465 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082413.D

Acq: 31 May 2024 17:11

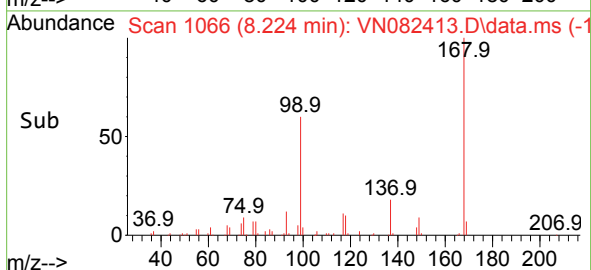
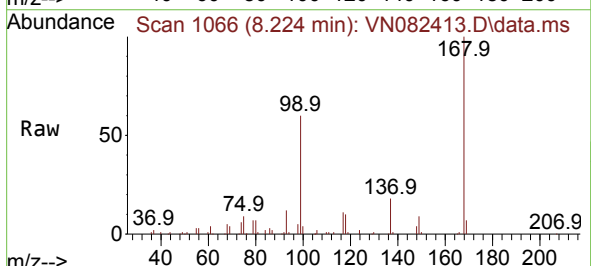
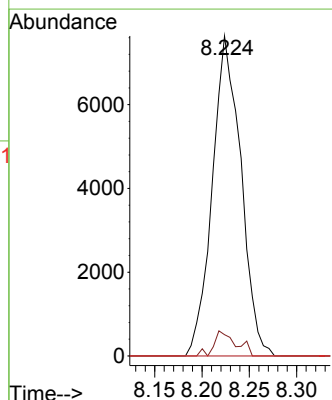
Tgt Ion: 117 Resp: 16075

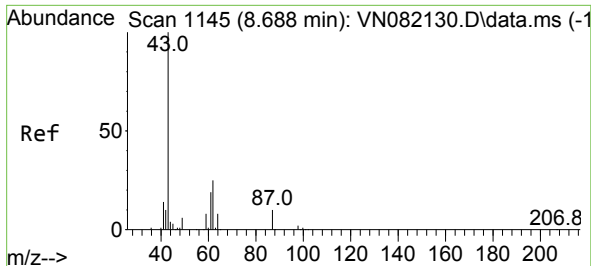
Ion Ratio Lower Upper

117 100

119 6.6 76.5 114.7#

121 0.0 23.9 35.9#

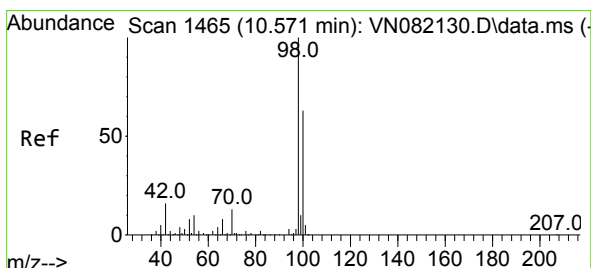
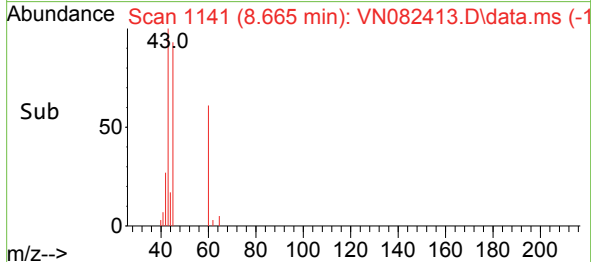
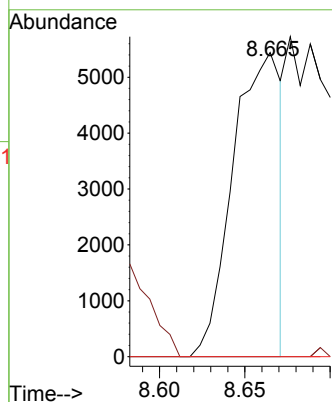
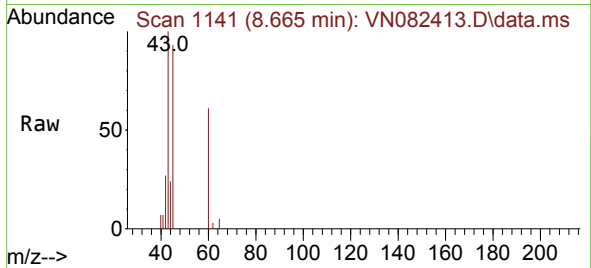




#43
Isopropyl Acetate
Concen: 1.859 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.024 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

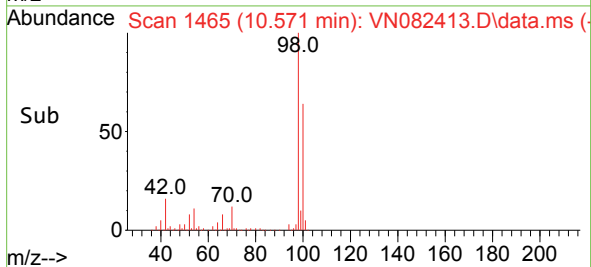
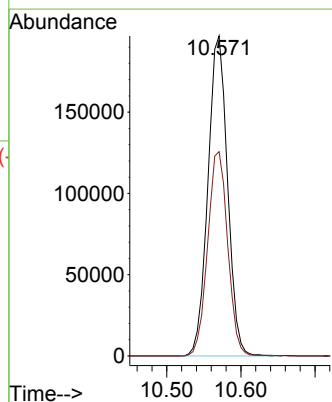
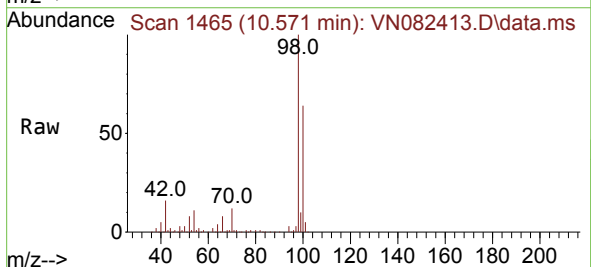
Instrument :
MSVOA_N
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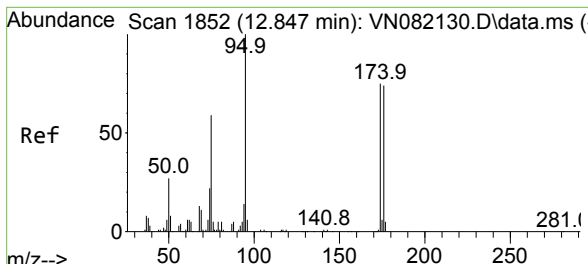
Tgt Ion: 43 Resp: 10694
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 54.511 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

Tgt Ion: 98 Resp: 361570
Ion Ratio Lower Upper
98 100
100 65.2 51.8 77.6

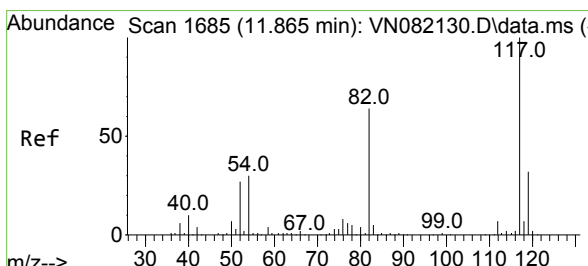
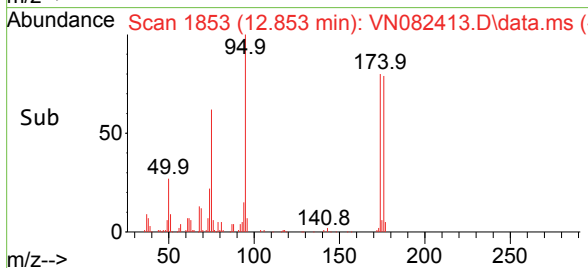
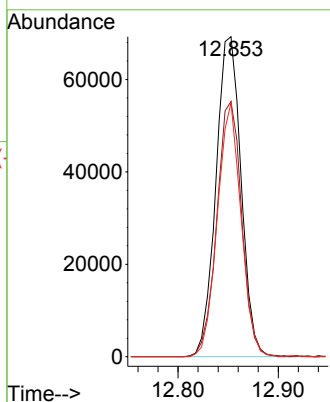
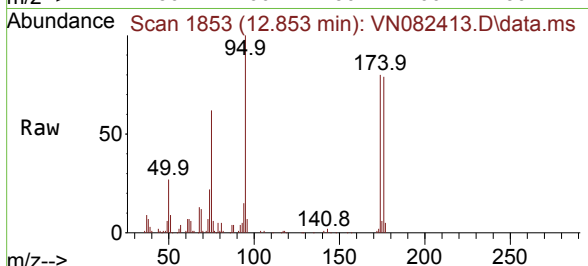




#62
4-Bromofluorobenzene
Concen: 50.895 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

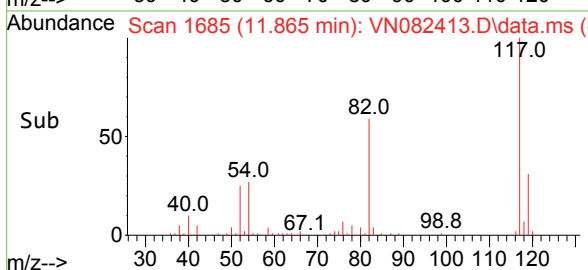
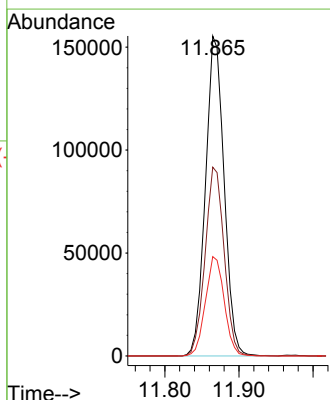
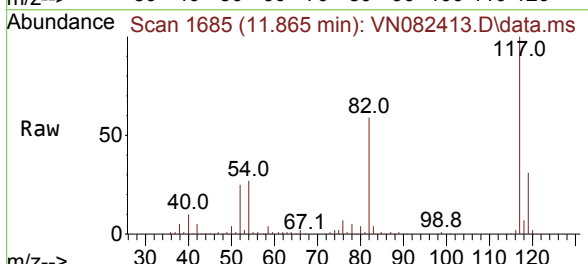
Instrument : MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

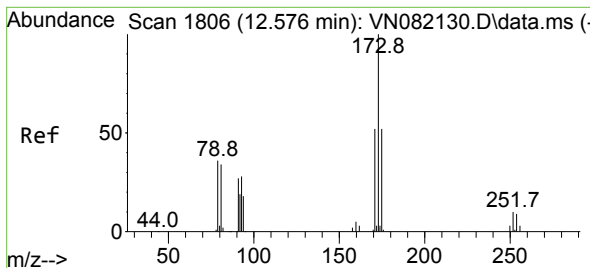
Tgt Ion:	95	Resp:	120492
Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	160.6
176	74.5	0.0	152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082413.D
Acq: 31 May 2024 17:11

Tgt Ion:	117	Resp:	271106
Ion	Ratio	Lower	Upper
117	100		
82	59.0	44.6	66.8
119	31.1	25.9	38.9





#71

Bromoform

Concen: 1.033 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN082413.D

Acq: 31 May 2024 17:11

Instrument :

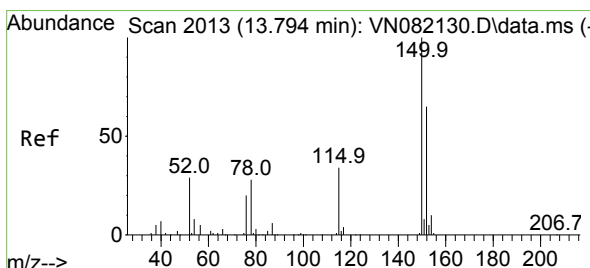
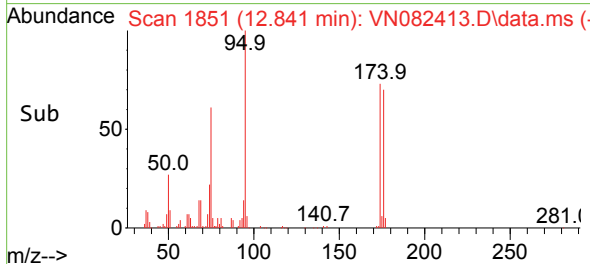
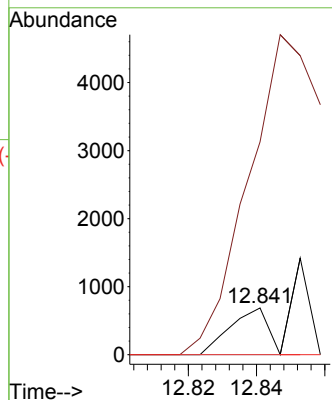
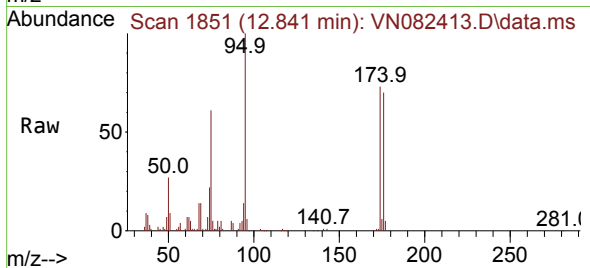
MSVOA_N

ClientSampleId :

Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion:173 Resp: 529

Ion	Ratio	Lower	Upper
173	100		
175	1034.2	24.6	74.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

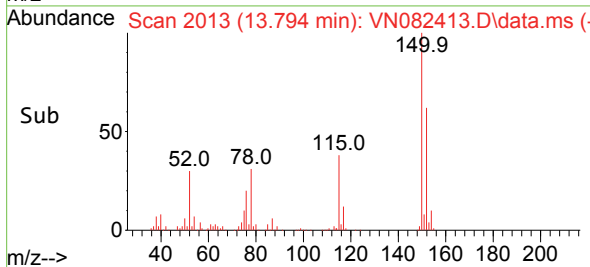
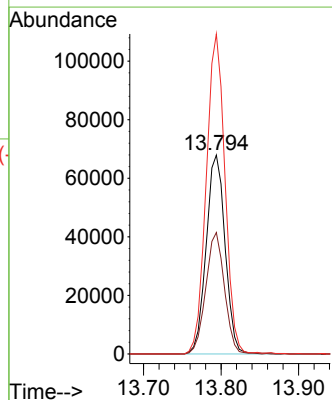
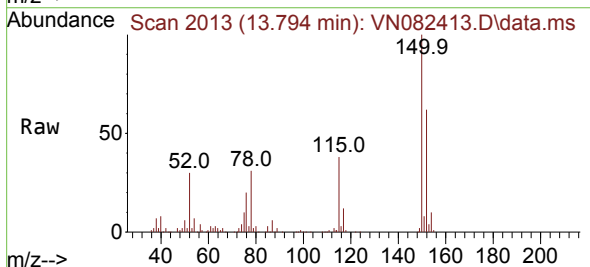
Delta R.T. -0.000 min

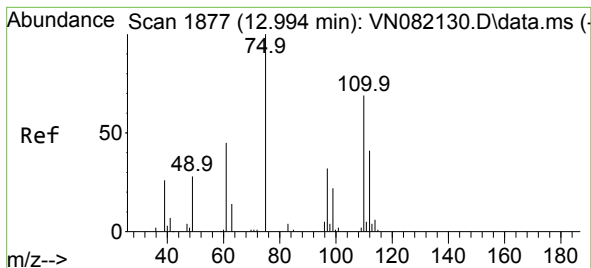
Lab File: VN082413.D

Acq: 31 May 2024 17:11

Tgt Ion:152 Resp: 115259

Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.4	91.3
150	158.9	0.0	353.2





#76

1,2,3-Trichloropropane

Concen: 30.534 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082413.D

Acq: 31 May 2024 17:11

Instrument :

MSVOA_N

ClientSampleId :

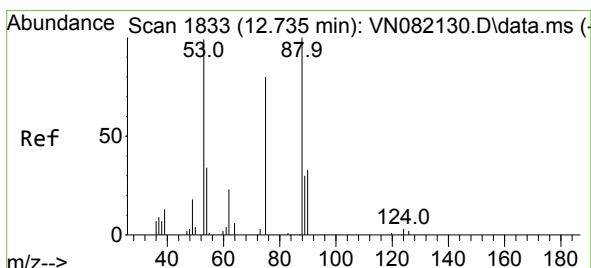
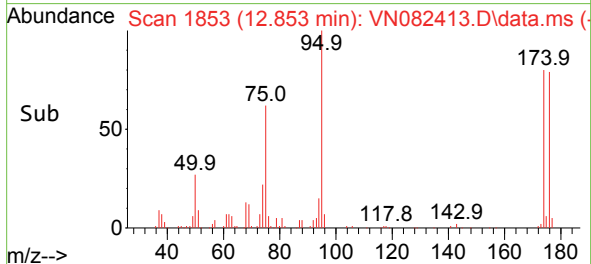
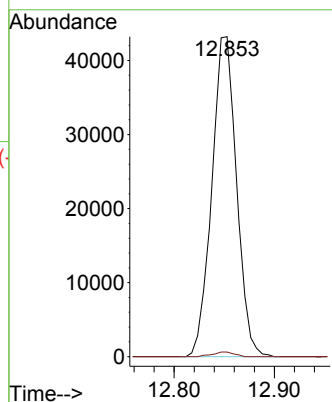
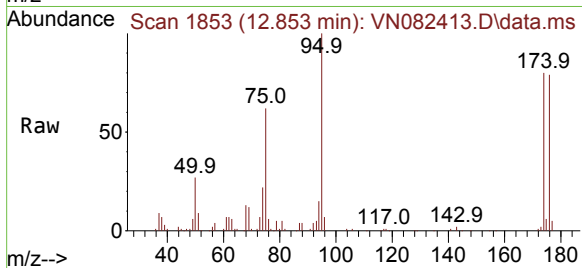
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion: 75 Resp: 74073

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.418 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082413.D

Acq: 31 May 2024 17:11

Tgt Ion: 75 Resp: 74073

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

