

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082045.D
 Acq On : 09 May 2024 12:58
 Operator : JC\MD
 Sample : P2428-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:50:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

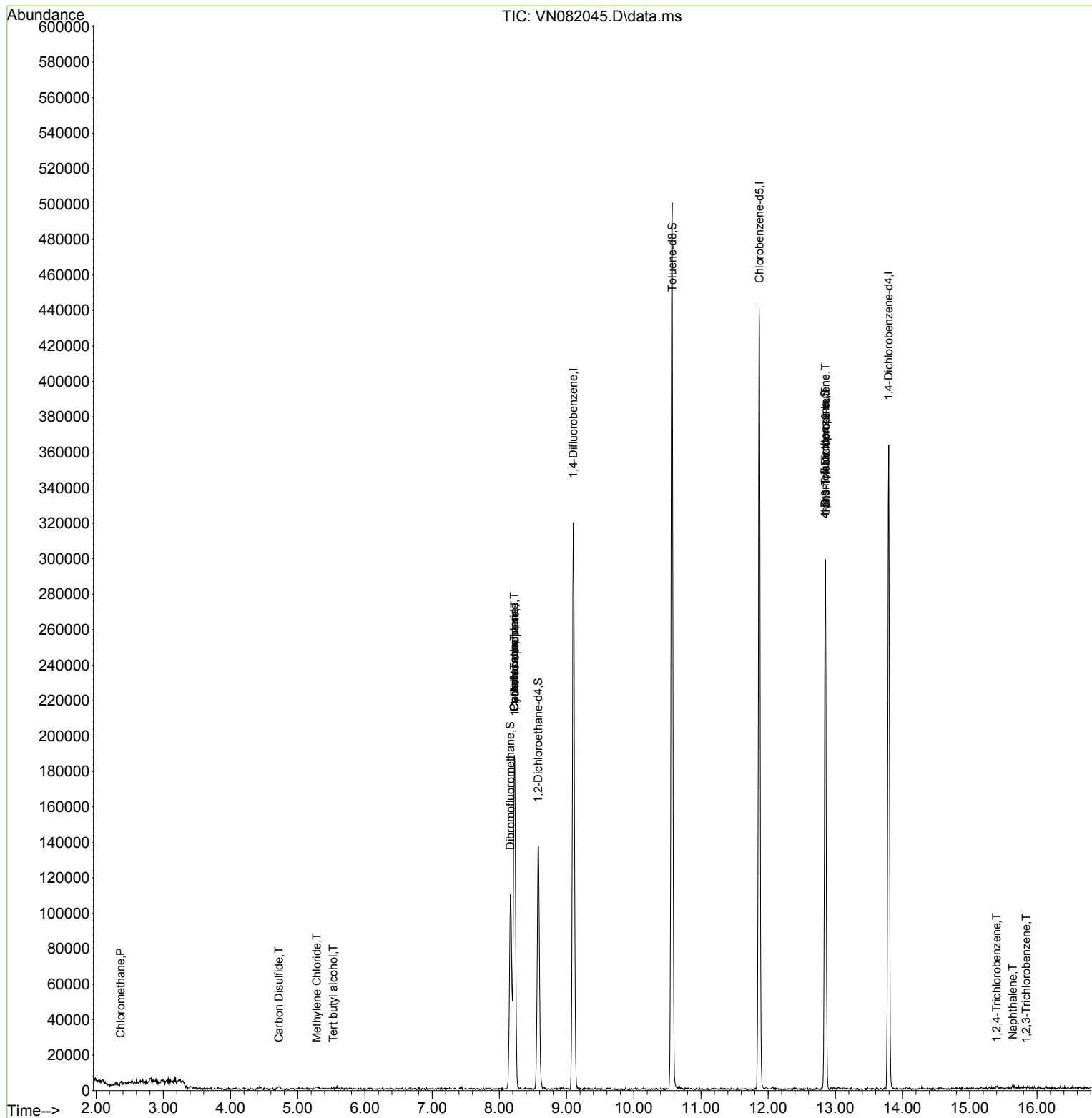
Internal Standards						
1) Pentafluorobenzene	8.224	168	124730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	262214	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	233783	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	88006	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110046	52.276	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.560%	
35) Dibromofluoromethane	8.165	113	80316	50.873	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.740%	
50) Toluene-d8	10.571	98	337014	54.353	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.700%	
62) 4-Bromofluorobenzene	12.847	95	108265	44.171	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 88.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1132	0.620	ug/l	99
5) Bromomethane	2.983	94	584	Below Cal		84
11) Tert butyl alcohol	5.530	59	131	0.342	ug/l #	71
13) Acrolein	4.195	56	209	Below Cal	#	15
16) Acetone	4.448	43	1839	Below Cal	#	43
17) Carbon Disulfide	4.718	76	1603	0.353	ug/l #	74
20) Methylene Chloride	5.283	84	853	0.473	ug/l #	78
31) Cyclohexane	8.224	56	4405	1.389	ug/l #	47
36) 1,1-Dichloropropene	8.230	75	14060	5.474	ug/l #	48
38) Carbon Tetrachloride	8.224	117	14674	5.846	ug/l #	20
76) 1,2,3-Trichloropropane	12.853	75	61669	27.026	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61669	55.381	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.400	180	334	0.204	ug/l #	30
95) Naphthalene	15.641	128	2132	0.344	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.841	180	389	0.247	ug/l #	68

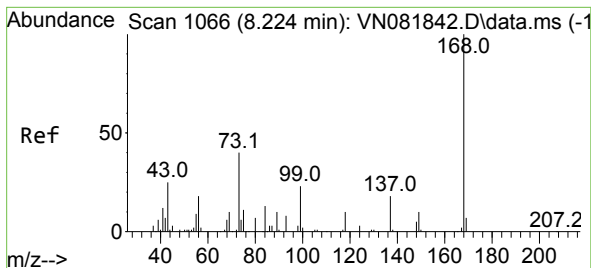
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082045.D

Acq: 09 May 2024 12:58

Instrument :

MSVOA_N

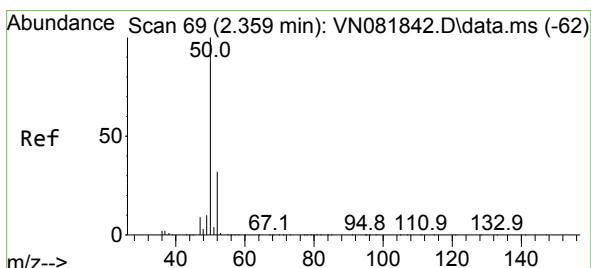
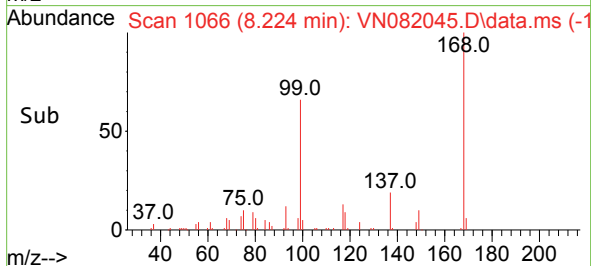
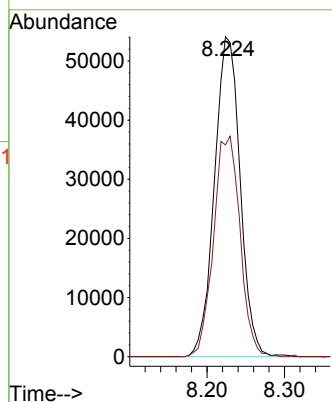
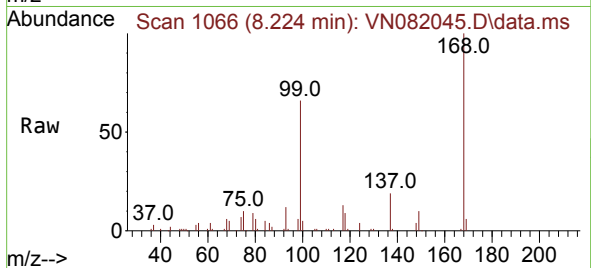
ClientSampleId :

Tgt Ion:168 Resp: 124730

Ion Ratio Lower Upper

168 100

99 66.2 48.2 72.4



#3

Chloromethane

Concen: 0.620 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082045.D

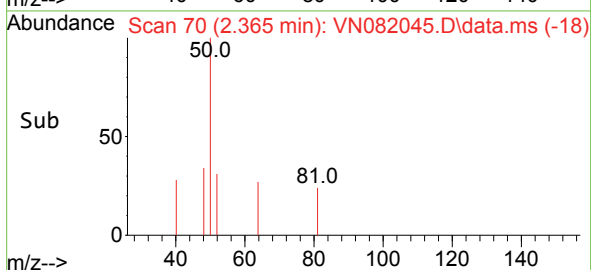
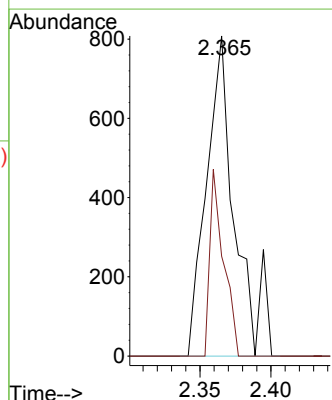
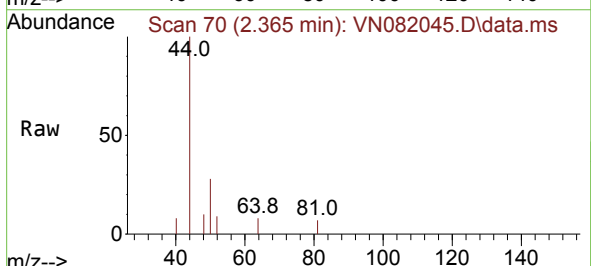
Acq: 09 May 2024 12:58

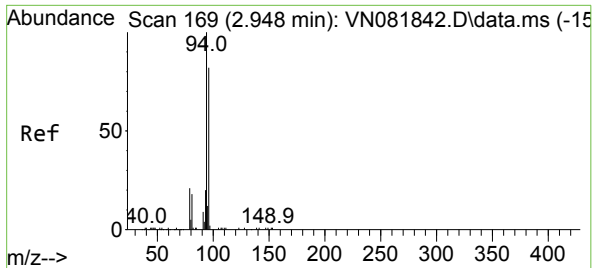
Tgt Ion: 50 Resp: 1132

Ion Ratio Lower Upper

50 100

52 31.2 25.5 38.3

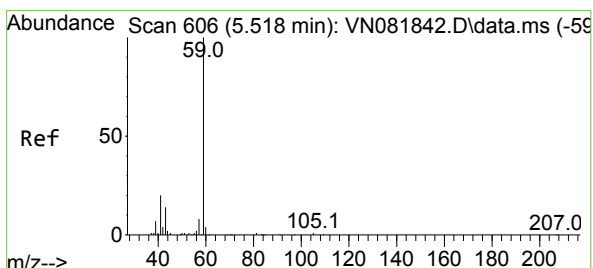
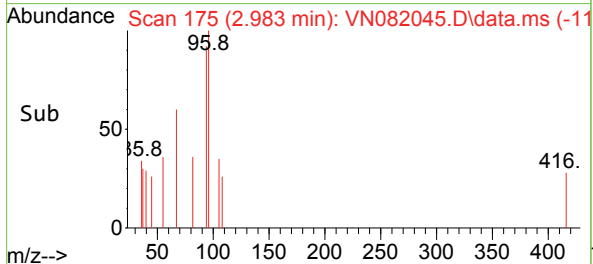
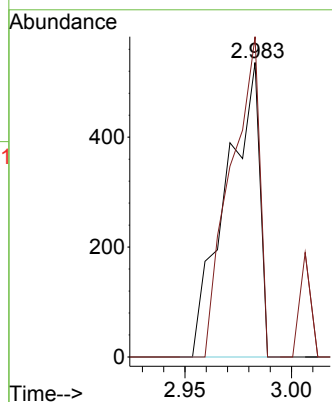
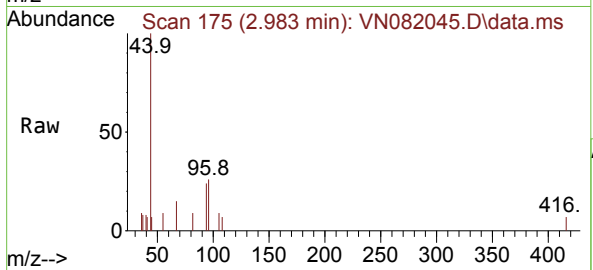




#5
Bromomethane
Concen: Below Cal
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

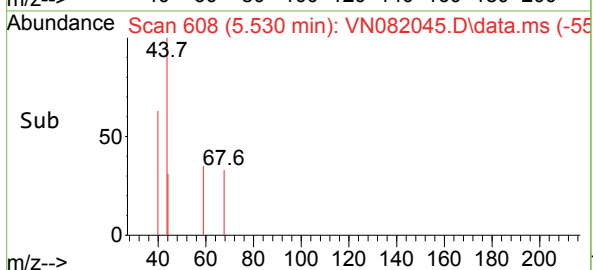
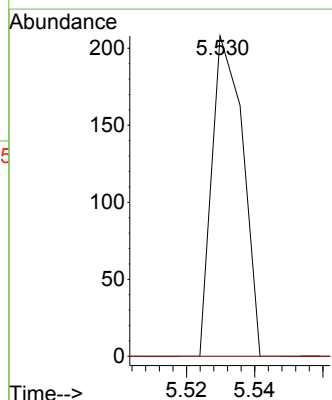
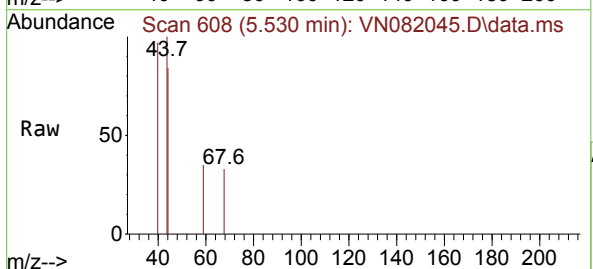
Instrument :
MSVOA_N
ClientSampleId :

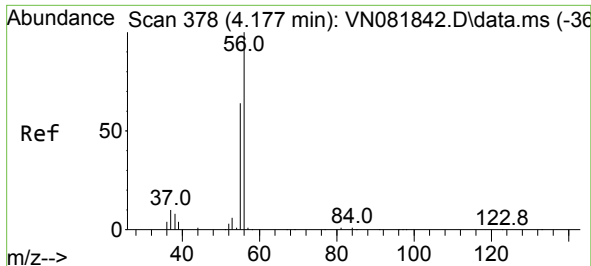
Tgt Ion: 94 Resp: 584
Ion Ratio Lower Upper
94 100
96 108.8 74.8 112.2



#11
Tert butyl alcohol
Concen: 0.342 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

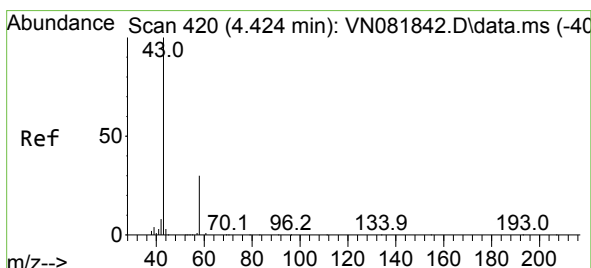
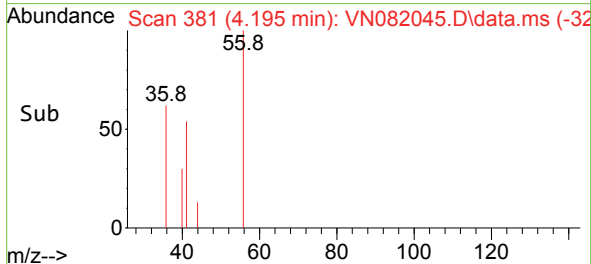
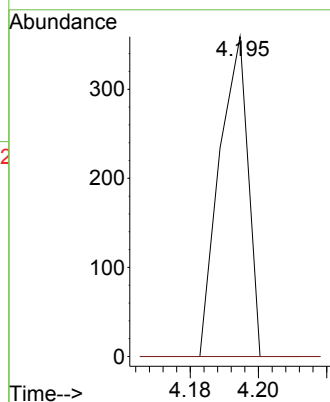
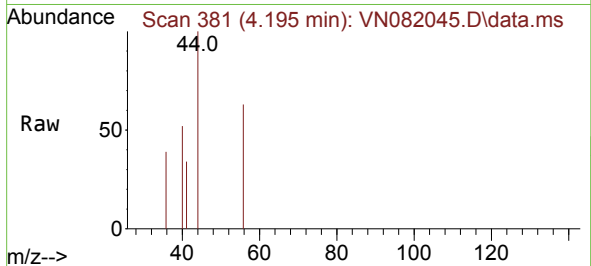




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

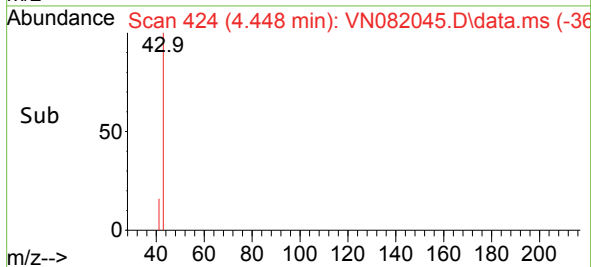
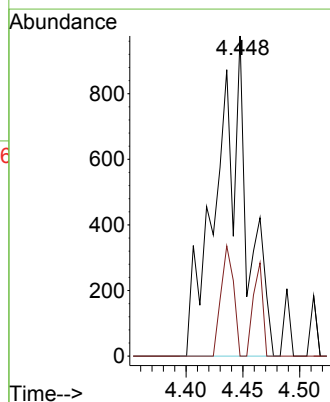
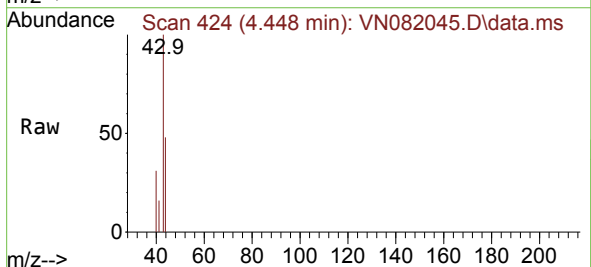
Instrument :
MSVOA_N
ClientSampleId :

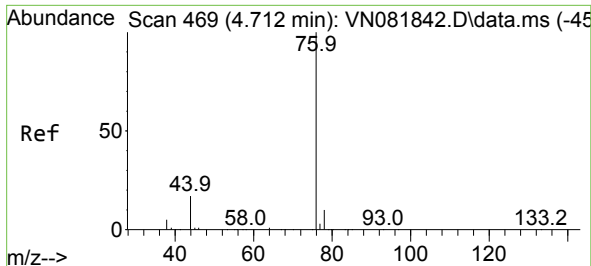
Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: Below Cal
RT: 4.448 min Scan# 424
Delta R.T. 0.024 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

Tgt Ion: 43 Resp: 1839
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#

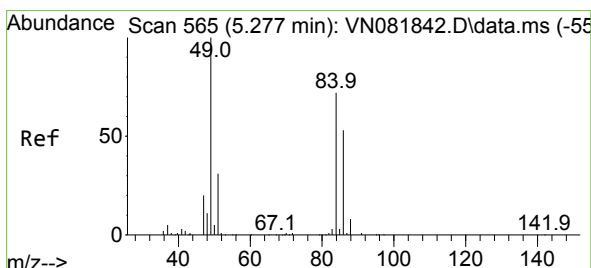
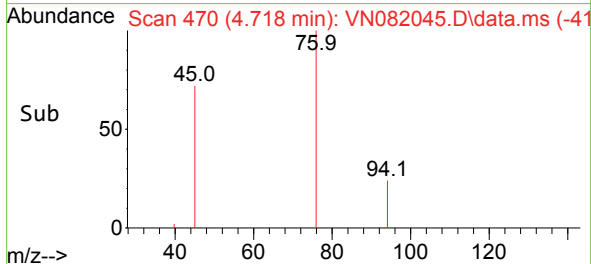
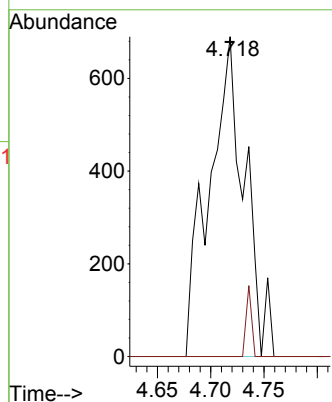
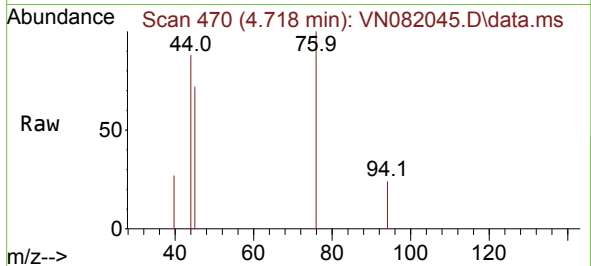




#17
Carbon Disulfide
Concen: 0.353 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

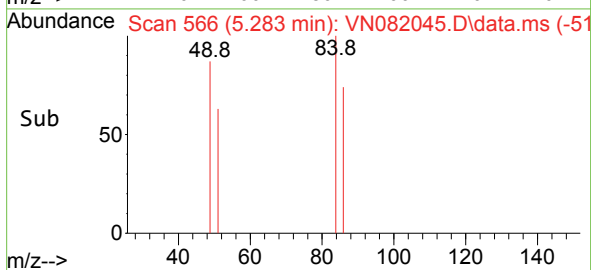
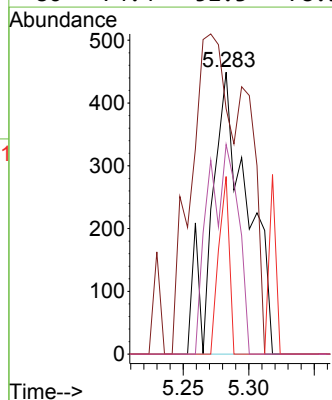
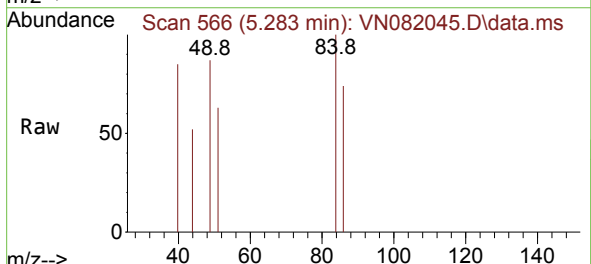
Instrument :
MSVOA_N
ClientSampleId :

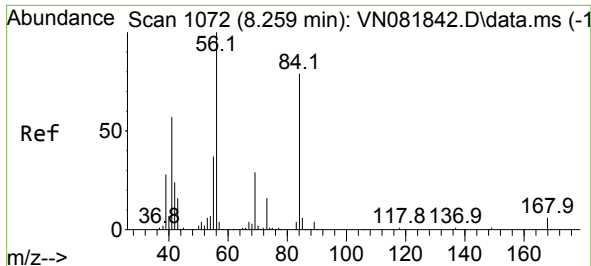
Tgt Ion: 76 Resp: 1603
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 0.473 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

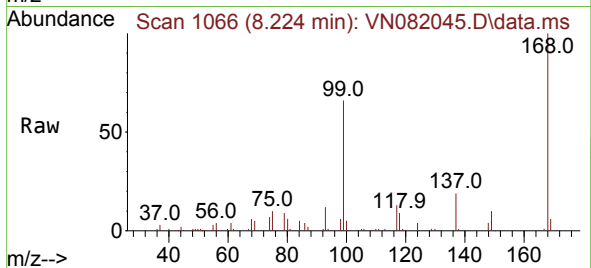
Tgt Ion: 84 Resp: 853
Ion Ratio Lower Upper
84 100
49 87.1 84.9 127.3
51 63.0 27.0 40.6#
86 74.4 52.3 78.5



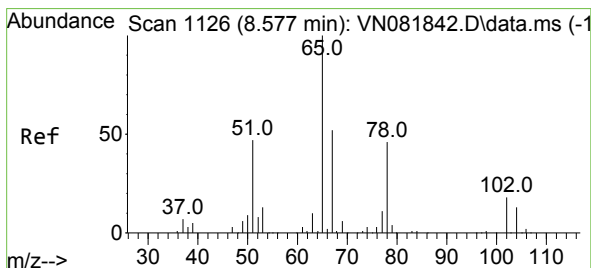
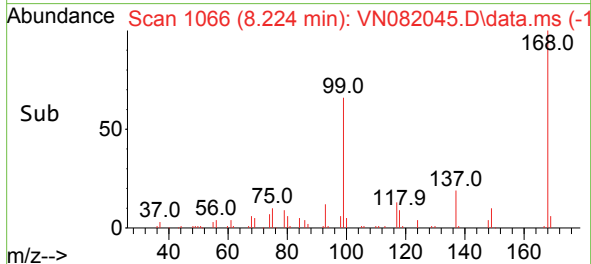
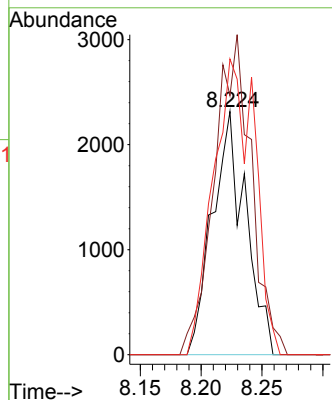


#31
Cyclohexane
Concen: 1.389 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

Instrument :
MSVOA_N
ClientSampleId :

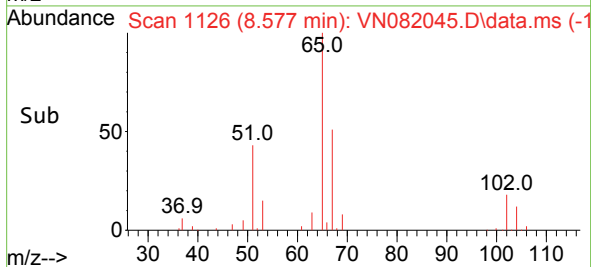
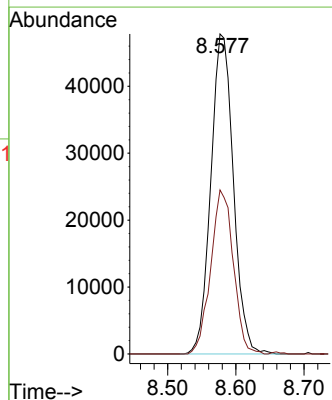
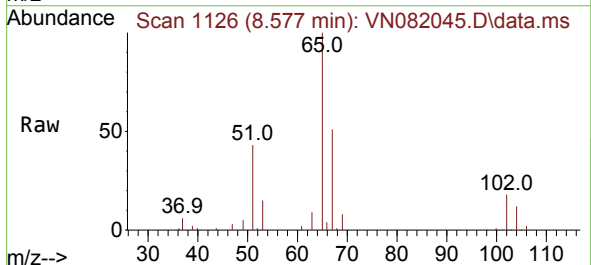


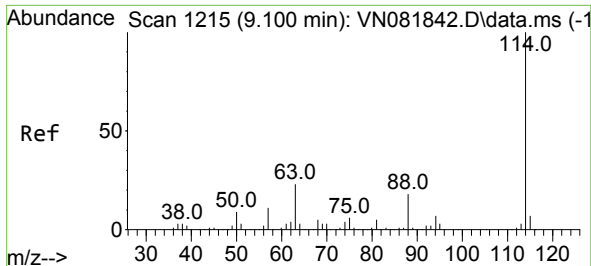
Tgt Ion: 56 Resp: 4405
Ion Ratio Lower Upper
56 100
69 106.5 24.4 36.6#
84 121.5 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 52.276 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

Tgt Ion: 65 Resp: 110046
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.0

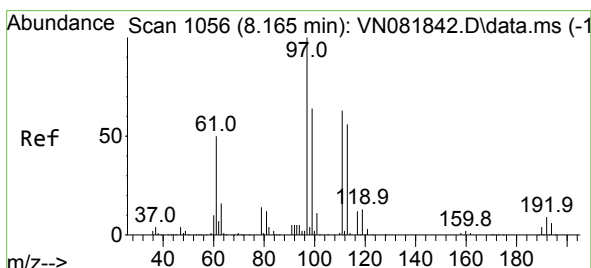
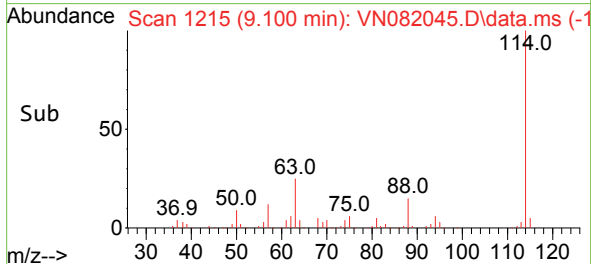
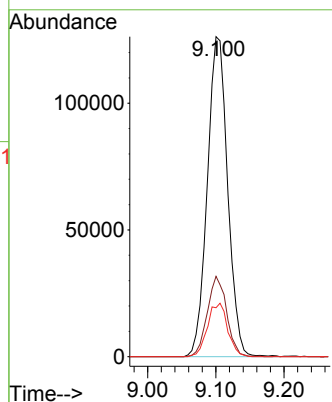
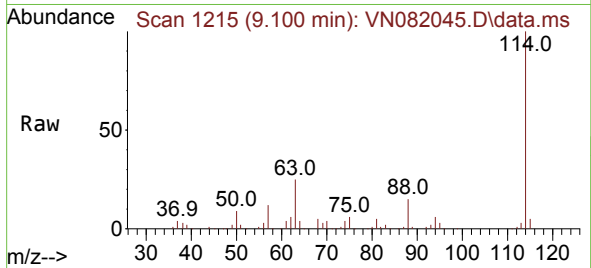




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

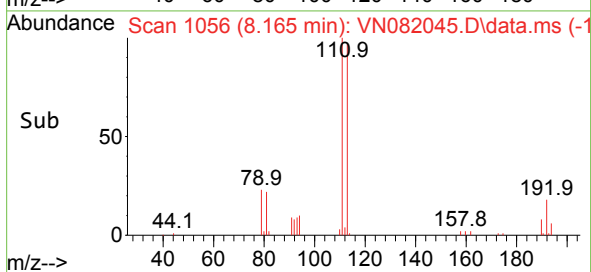
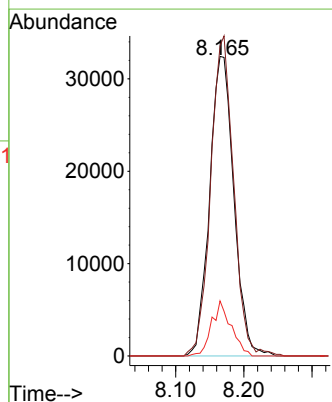
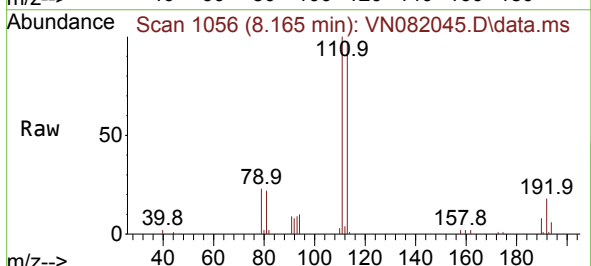
Instrument :
MSVOA_N
ClientSampleId :

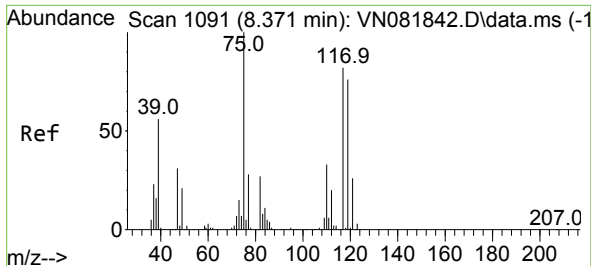
Tgt Ion:114 Resp: 262214
Ion Ratio Lower Upper
114 100
63 25.1 0.0 41.0
88 15.3 0.0 31.4



#35
Dibromofluoromethane
Concen: 50.873 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

Tgt Ion:113 Resp: 80316
Ion Ratio Lower Upper
113 100
111 101.0 83.4 125.2
192 14.9 14.0 21.0





#36

1,1-Dichloropropene

Concen: 5.474 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

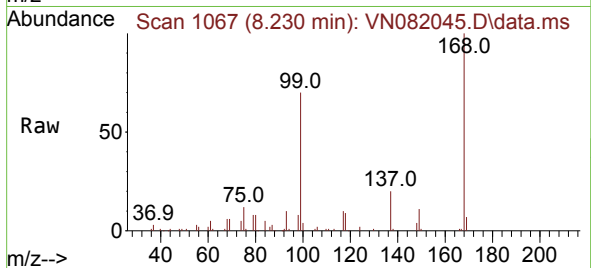
Lab File: VN082045.D

Acq: 09 May 2024 12:58

Instrument :

MSVOA_N

ClientSampleId :



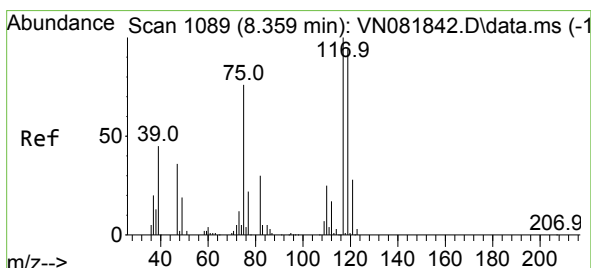
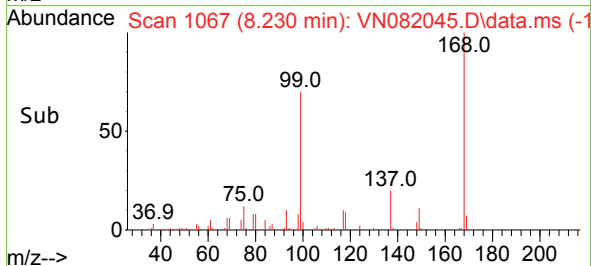
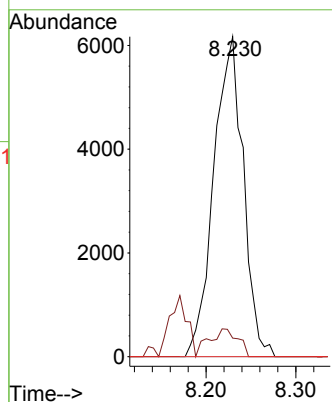
Tgt Ion: 75 Resp: 14060

Ion Ratio Lower Upper

75 100

110 7.7 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.846 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN082045.D

Acq: 09 May 2024 12:58

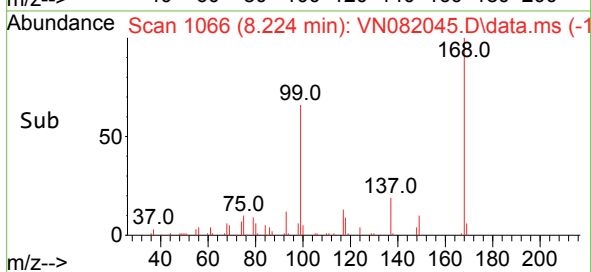
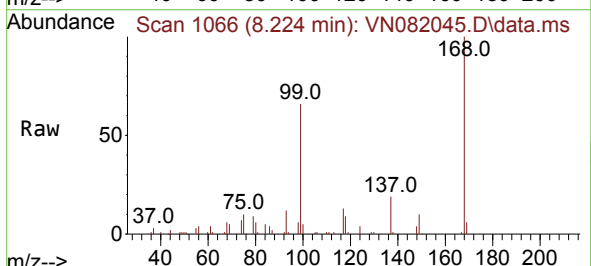
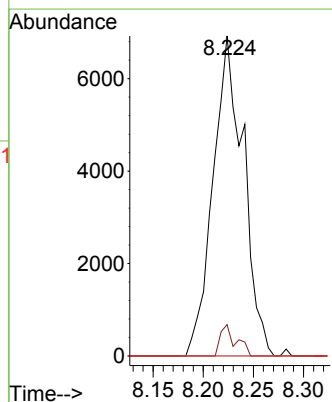
Tgt Ion: 117 Resp: 14674

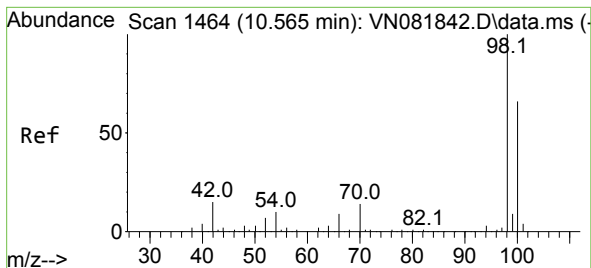
Ion Ratio Lower Upper

117 100

119 9.8 76.5 114.7#

121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 54.353 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN082045.D

Acq: 09 May 2024 12:58

Instrument :

MSVOA_N

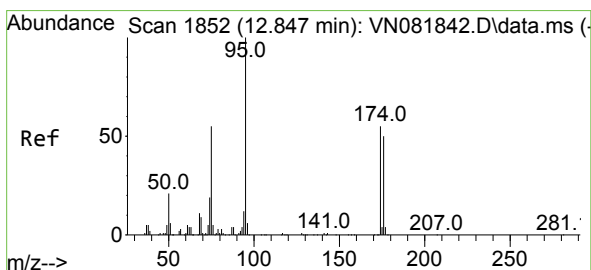
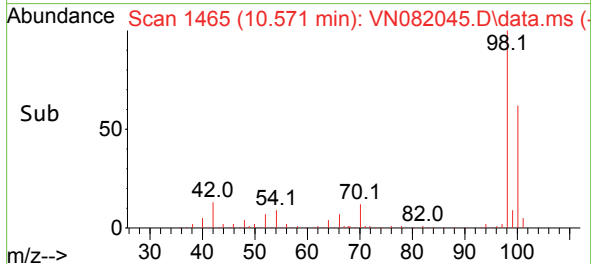
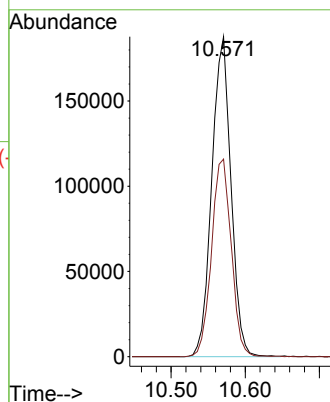
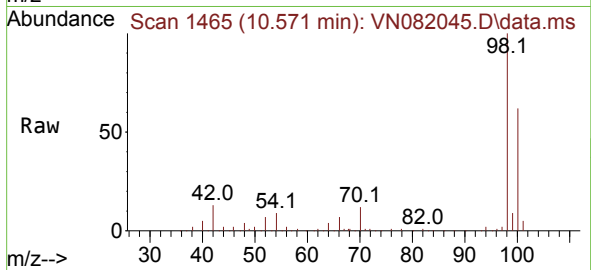
ClientSampleId :

Tgt Ion: 98 Resp: 337014

Ion Ratio Lower Upper

98 100

100 63.7 51.8 77.6



#62

4-Bromofluorobenzene

Concen: 44.171 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN082045.D

Acq: 09 May 2024 12:58

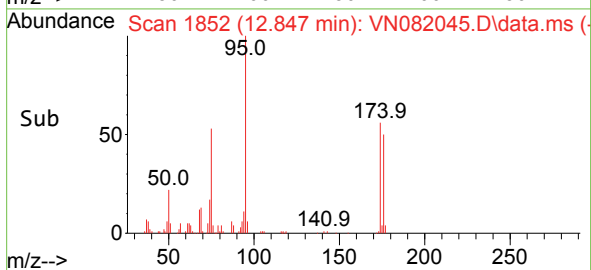
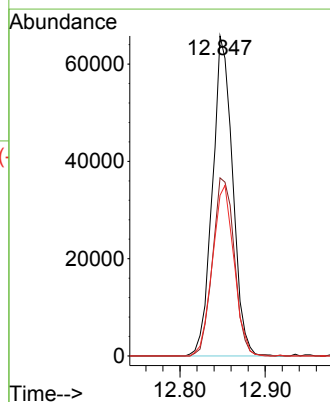
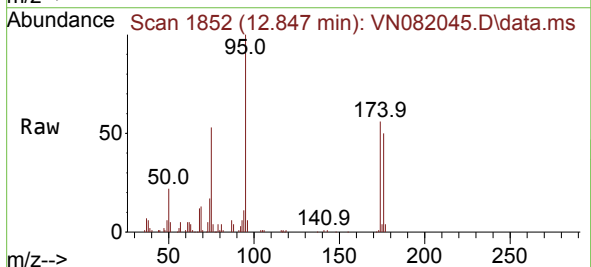
Tgt Ion: 95 Resp: 108265

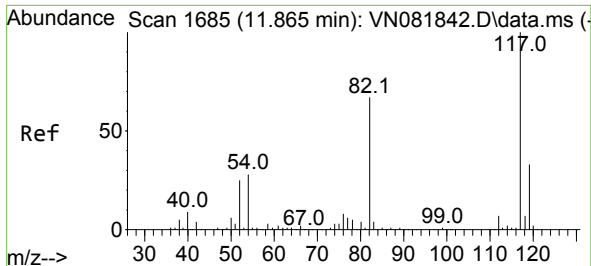
Ion Ratio Lower Upper

95 100

174 60.0 0.0 160.6

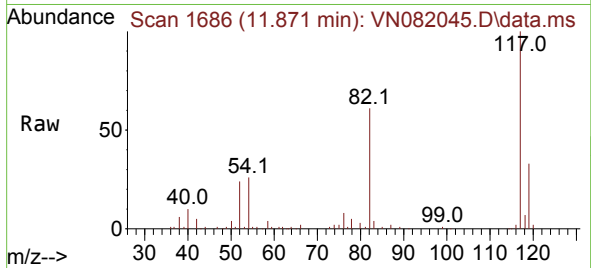
176 57.0 0.0 152.8



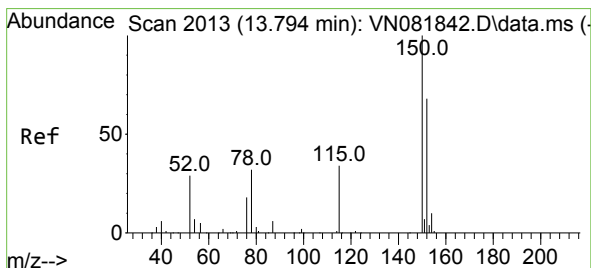
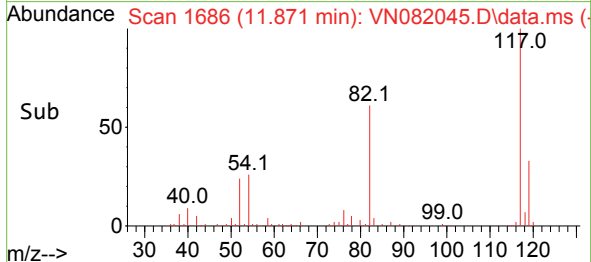
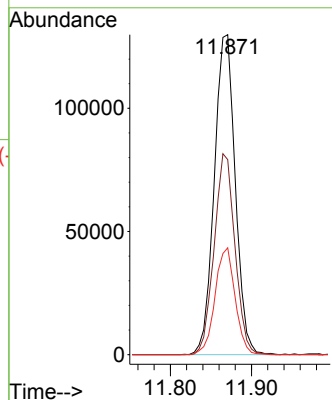


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

Instrument :
MSVOA_N
ClientSampleId :

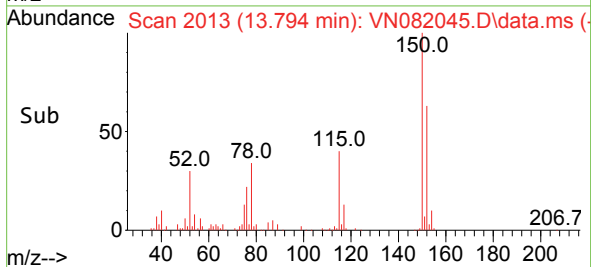
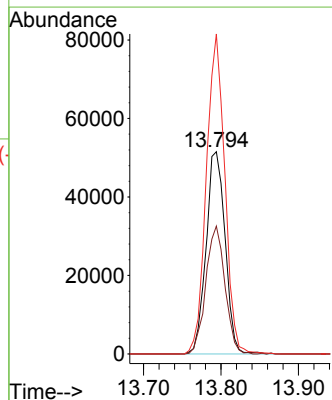
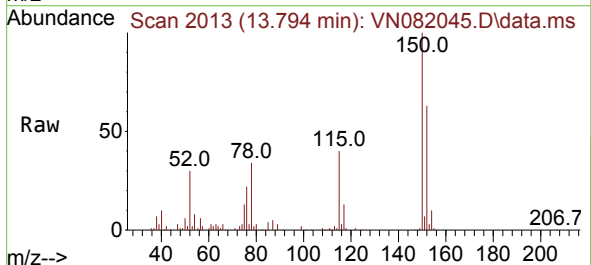


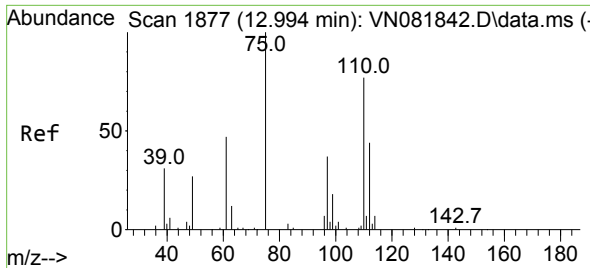
Tgt Ion:117 Resp: 233783
Ion Ratio Lower Upper
117 100
82 60.9 44.6 66.8
119 33.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

Tgt Ion:152 Resp: 88006
Ion Ratio Lower Upper
152 100
115 63.3 30.4 91.3
150 153.1 0.0 353.2

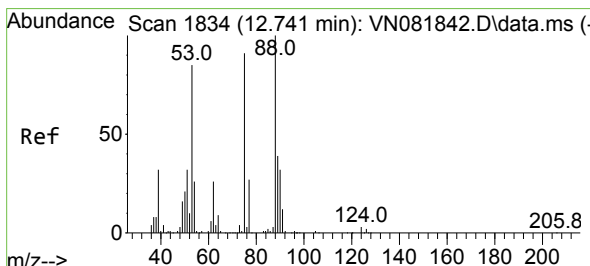
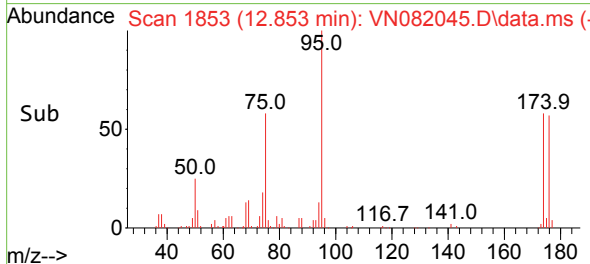
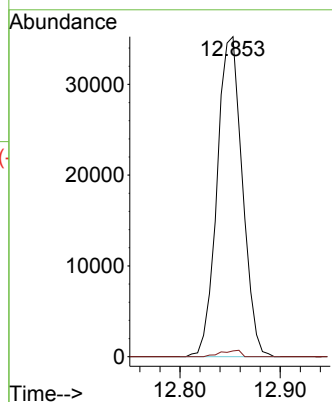
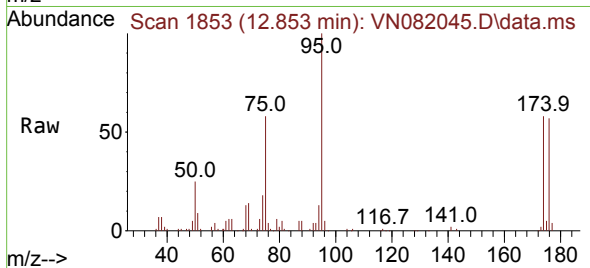




#76
1,2,3-Trichloropropane
Concen: 27.026 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

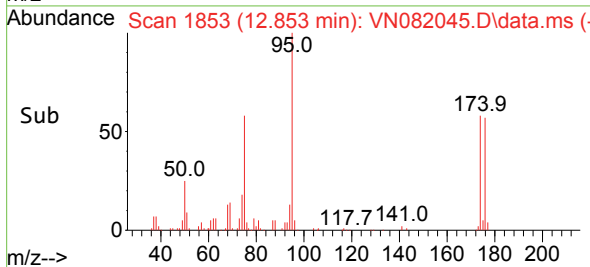
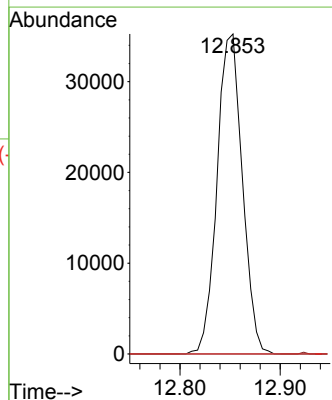
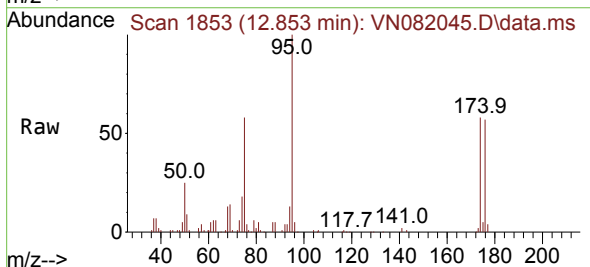
Instrument :
MSVOA_N
ClientSampleId :

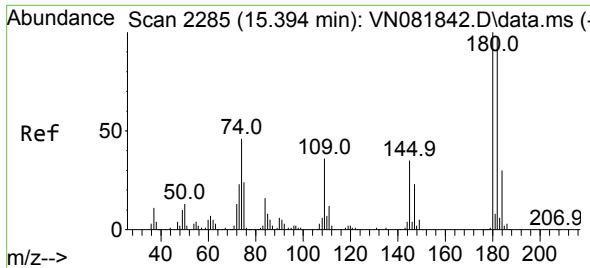
Tgt Ion: 75 Resp: 61669
Ion Ratio Lower Upper
75 100
77 1.6 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.381 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

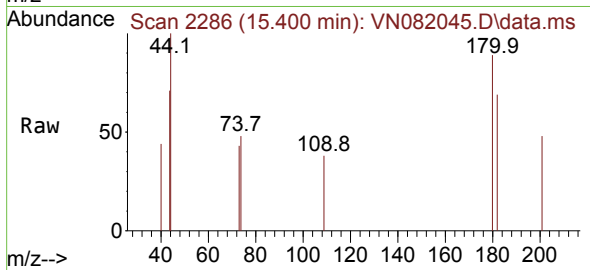
Tgt Ion: 75 Resp: 61669
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



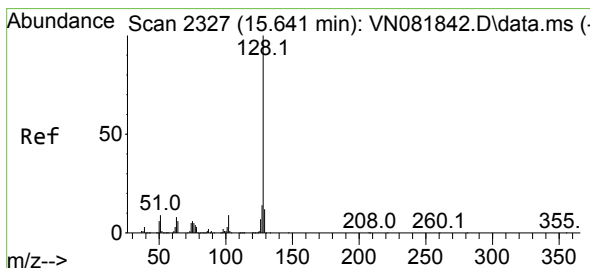
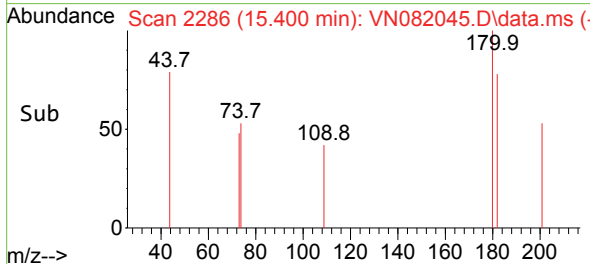
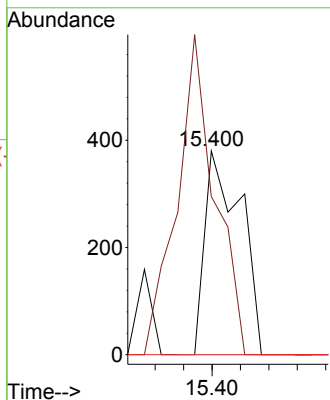


#93
1,2,4-Trichlorobenzene
Concen: 0.204 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

Instrument :
MSVOA_N
ClientSampleId :

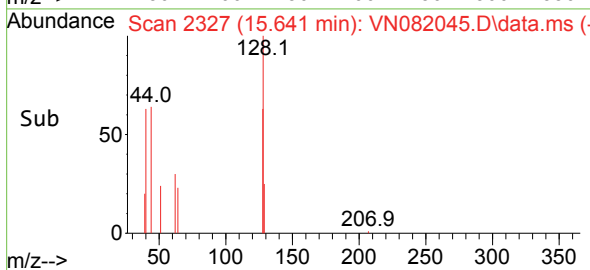
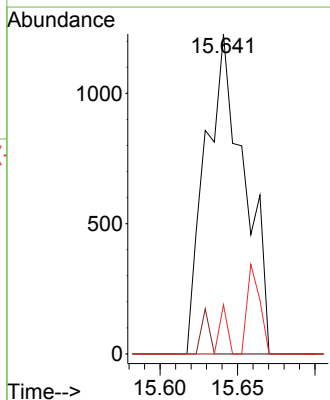
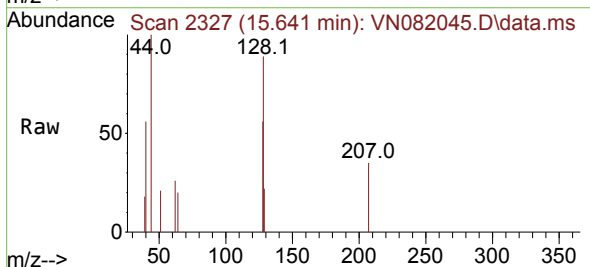


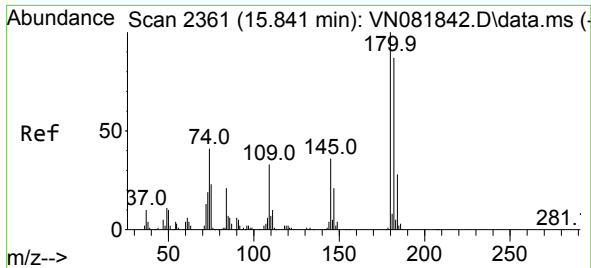
Tgt Ion:180 Resp: 334
Ion Ratio Lower Upper
180 100
182 165.0 46.7 140.0#
145 0.0 16.2 48.6#



#95
Naphthalene
Concen: 0.344 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN082045.D
Acq: 09 May 2024 12:58

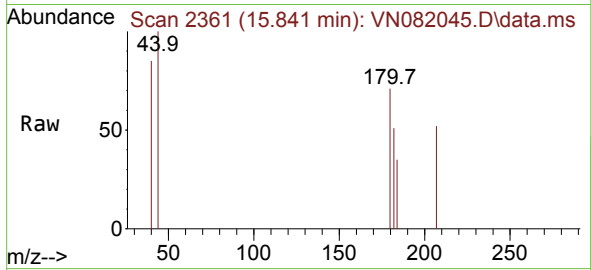
Tgt Ion:128 Resp: 2132
Ion Ratio Lower Upper
128 100
127 2.9 10.1 15.1#
129 3.1 8.9 13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.247 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN082045.D
 Acq: 09 May 2024 12:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 389
 Ion Ratio Lower Upper
 180 100
 182 71.7 46.0 137.8
 145 0.0 17.1 51.3#

