

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082055.D
 Acq On : 09 May 2024 16:58
 Operator : JC\MD
 Sample : PB160759TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:53:56 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

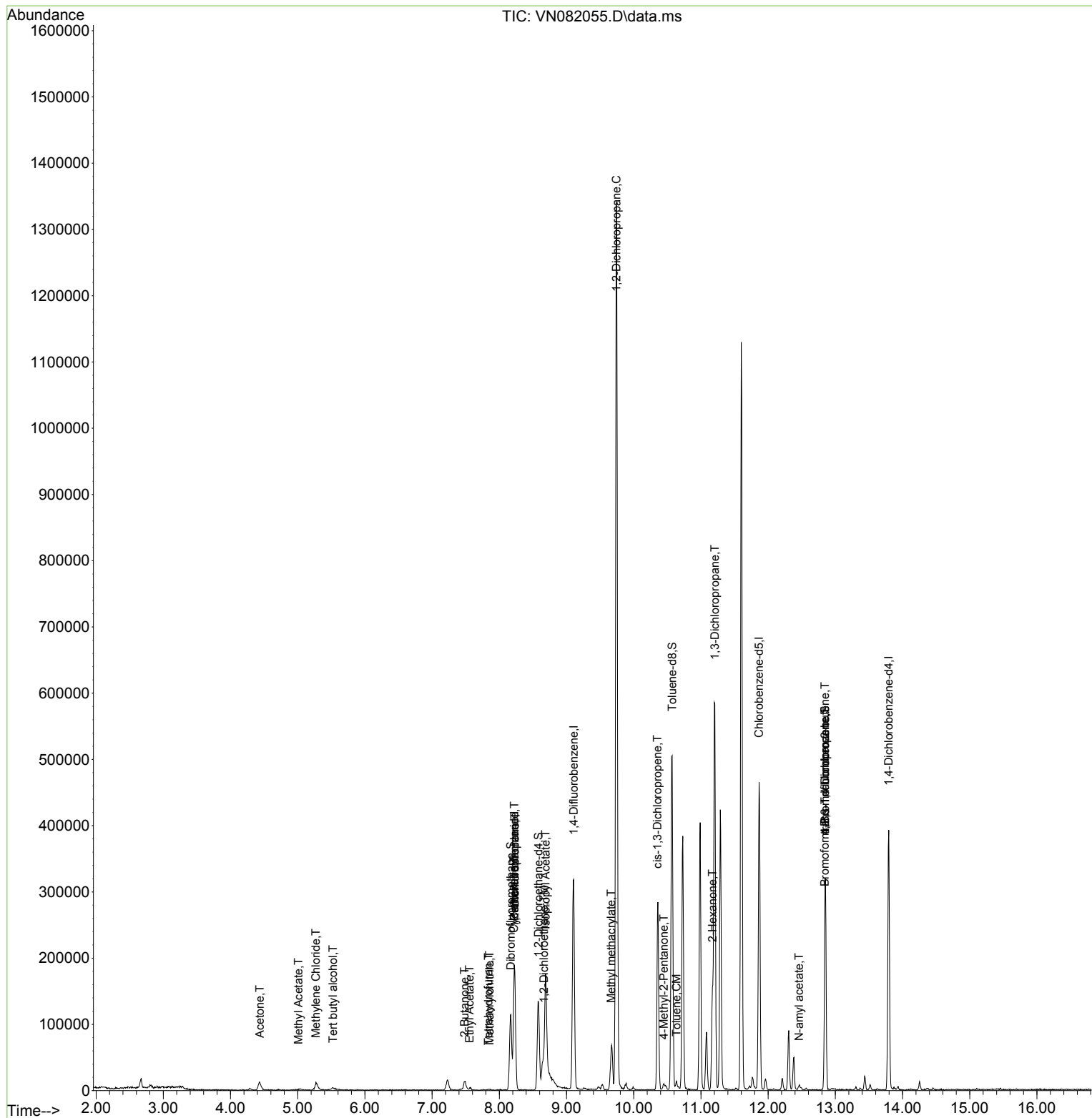
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	119678	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	257850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	105938	52.448	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.900%	
35) Dibromofluoromethane	8.171	113	80373	51.771	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.540%	
50) Toluene-d8	10.571	98	337520	55.356	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.720%	
62) 4-Bromofluorobenzene	12.847	95	109586	45.466	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 90.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.965	94	57	Below Cal	#	3
11) Tert butyl alcohol	5.524	59	4270	11.629	ug/l	# 74
13) Acrolein	4.183	56	267	Below Cal	#	39
16) Acetone	4.436	43	22584	33.067	ug/l	# 88
18) Methyl Acetate	5.012	43	1522	0.744	ug/l	# 47
20) Methylene Chloride	5.271	84	3616	2.089	ug/l	# 96
25) 2-Butanone	7.483	43	23645	20.625	ug/l	# 88
29) Tetrahydrofuran	7.836	42	560	0.681	ug/l	# 53
31) Cyclohexane	8.218	56	4532	1.489	ug/l	# 63
36) 1,1-Dichloropropene	8.230	75	13800	5.464	ug/l	# 46
37) Ethyl Acetate	7.559	43	4139	1.516	ug/l	# 86
38) Carbon Tetrachloride	8.224	117	14246	5.771	ug/l	# 19
41) Methacrylonitrile	7.853	41	727	0.417	ug/l	# 35
42) 1,2-Dichloroethane	8.665	62	751	0.267	ug/l	# 73
43) Isopropyl Acetate	8.688	43	252755	49.225	ug/l	# 74
45) 1,2-Dichloropropane	9.741	63	2042	1.029	ug/l	# 45
48) Methyl methacrylate	9.665	41	6513	2.657	ug/l	# 35
51) 4-Methyl-2-Pentanone	10.447	43	11506	3.981	ug/l	# 69
52) Toluene	10.635	92	4451	0.980	ug/l	# 72
54) cis-1,3-Dichloropropene	10.353	75	49889	15.381	ug/l	# 65
57) 1,3-Dichloropropane	11.206	76	5710	1.799	ug/l	# 42
59) 2-Hexanone	11.171	43	125941	58.546	ug/l	# 23
71) Bromoform	12.841	173	383	0.279	ug/l	# 1
74) N-amyl acetate	12.459	43	6909	1.512	ug/l	# 40
76) 1,2,3-Trichloropropane	12.847	75	63463	26.507	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	63463	54.316	ug/l	# 13

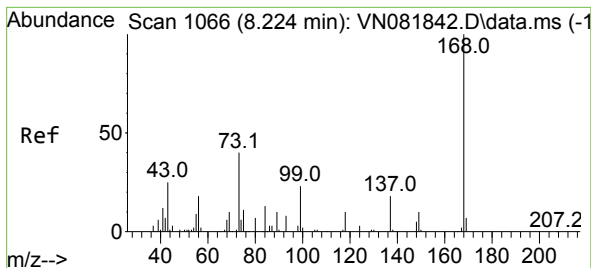
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 26 05:26:49 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN082055.D

Acq: 09 May 2024 16:58

Instrument :

MSVOA_N

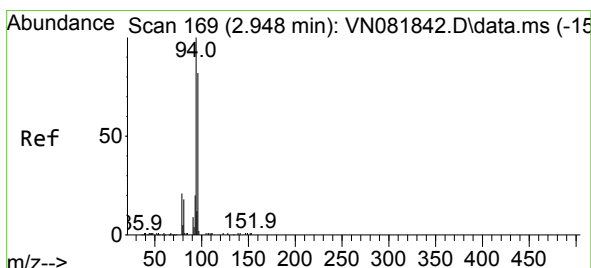
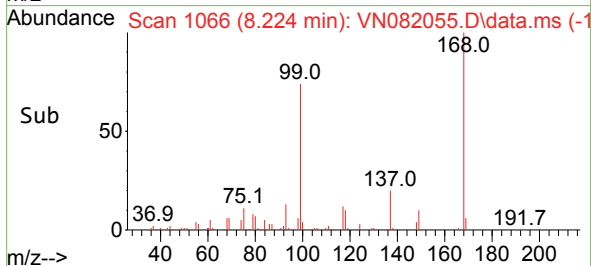
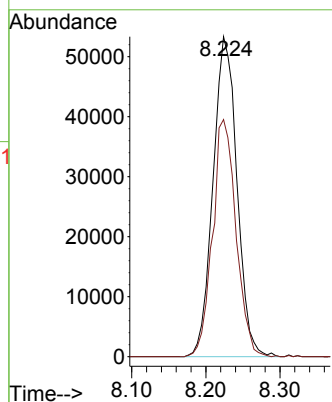
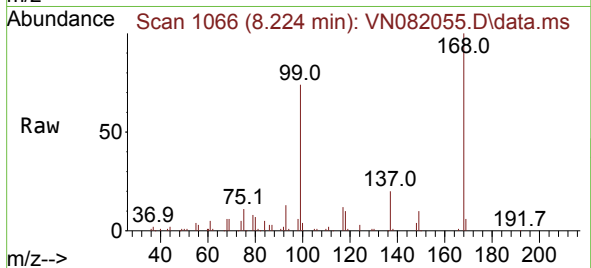
ClientSampleId :

Tgt Ion:168 Resp: 119678

Ion Ratio Lower Upper

168 100

99 74.1 48.2 72.4#



#5

Bromomethane

Concen: Below Cal

RT: 2.965 min Scan# 172

Delta R.T. 0.017 min

Lab File: VN082055.D

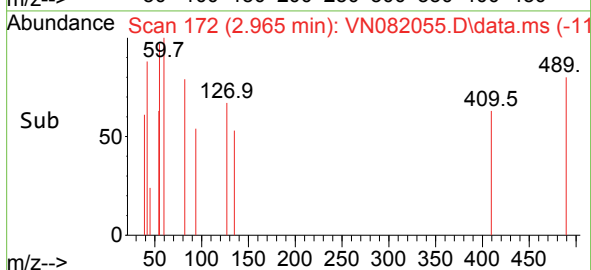
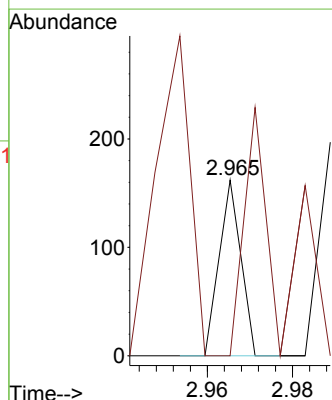
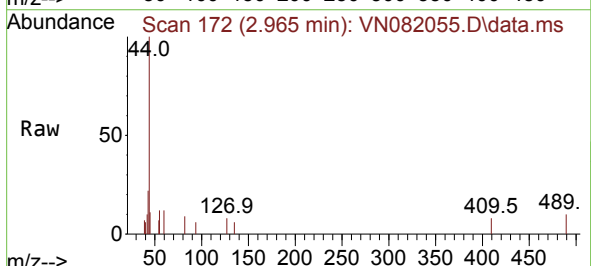
Acq: 09 May 2024 16:58

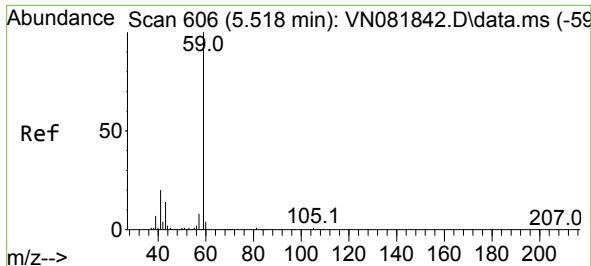
Tgt Ion: 94 Resp: 57

Ion Ratio Lower Upper

94 100

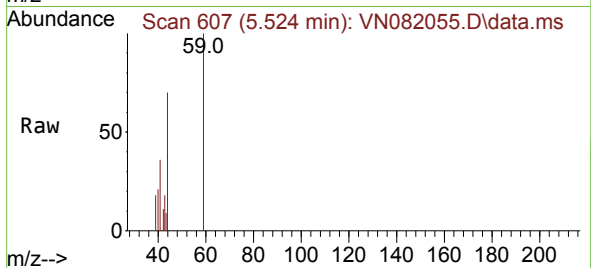
96 0.0 74.8 112.2#



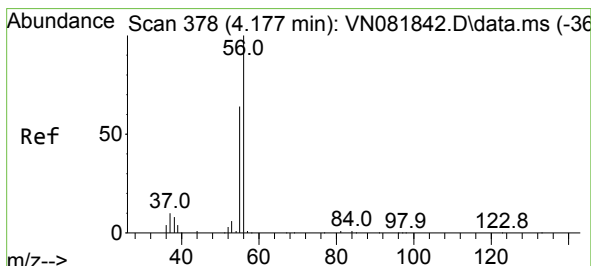
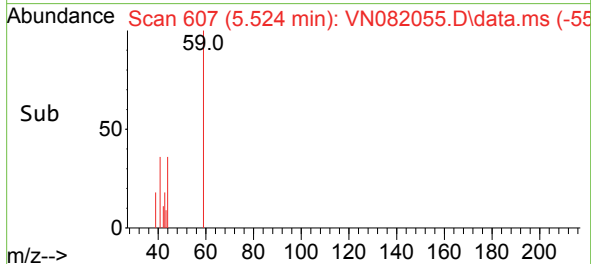
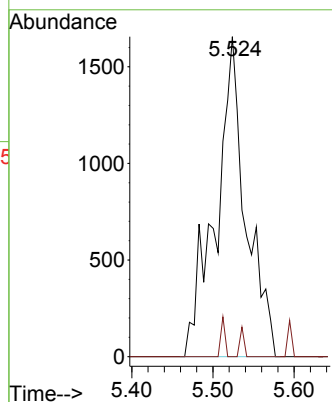


#11
Tert butyl alcohol
Concen: 11.629 ug/l
RT: 5.524 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

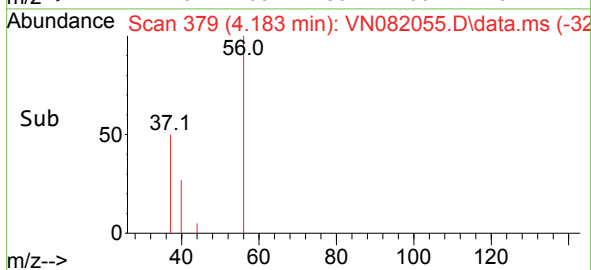
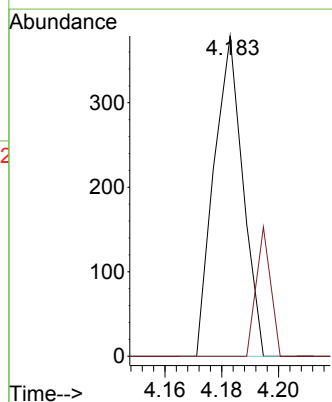
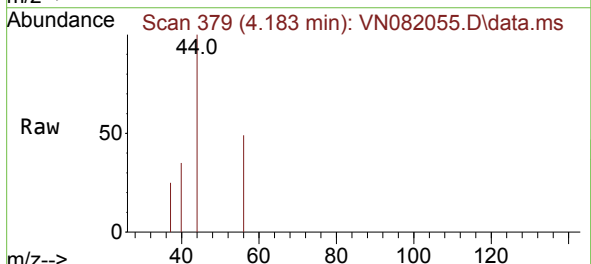


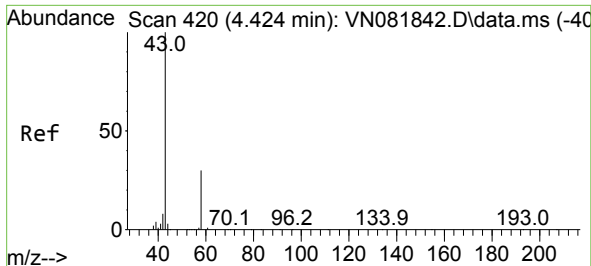
Tgt Ion: 59 Resp: 4270
Ion Ratio Lower Upper
59 100
57 1.3 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 4.183 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Tgt Ion: 56 Resp: 267
Ion Ratio Lower Upper
56 100
55 20.2 55.8 83.8#

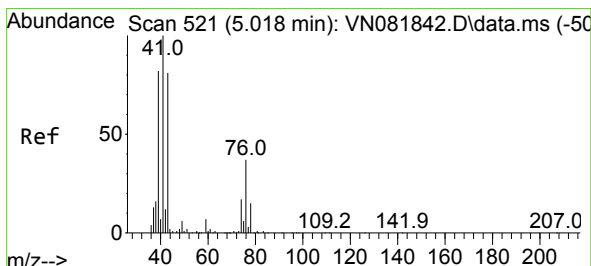
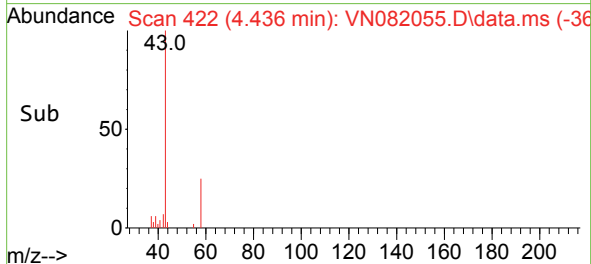
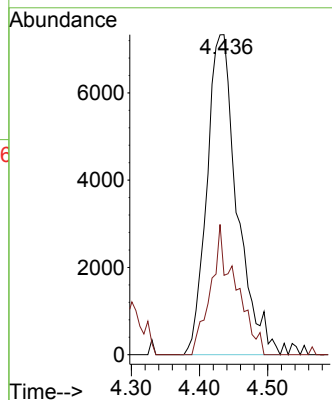
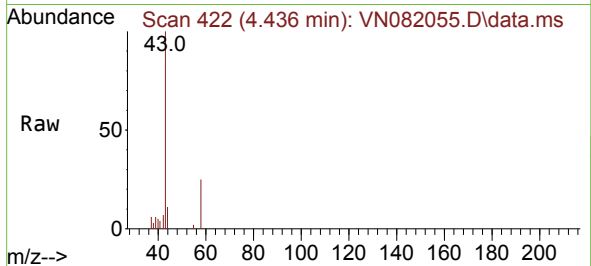




#16
Acetone
Concen: 33.067 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

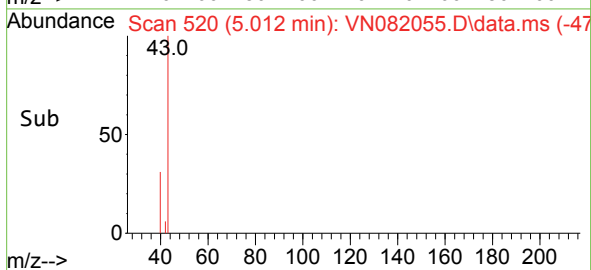
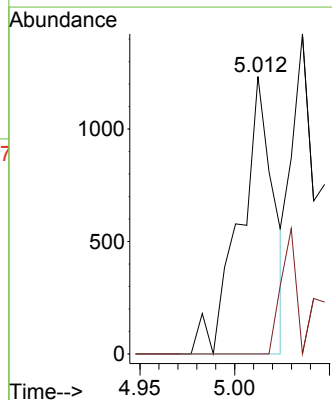
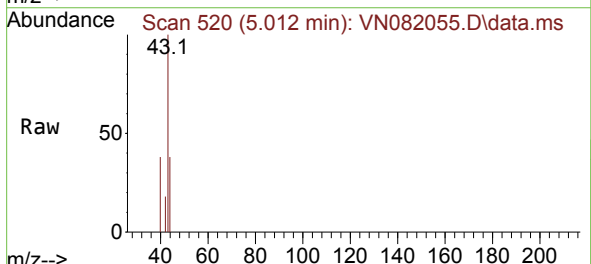
Instrument :
MSVOA_N
ClientSampleId :

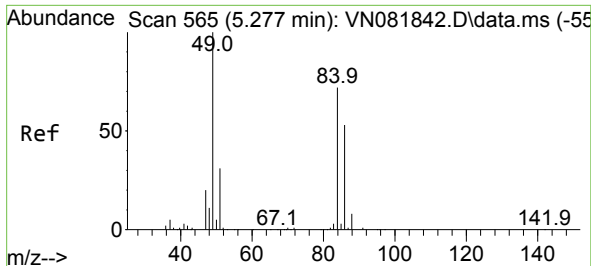
Tgt Ion: 43 Resp: 22584
Ion Ratio Lower Upper
43 100
58 24.8 25.2 37.8#



#18
Methyl Acetate
Concen: 0.744 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.006 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

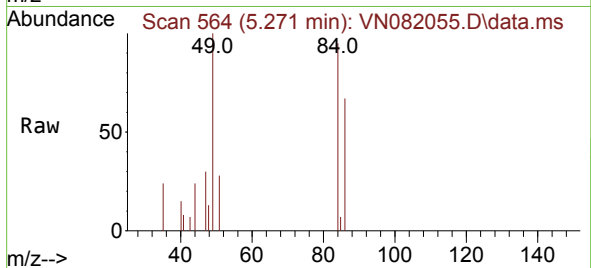
Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2#



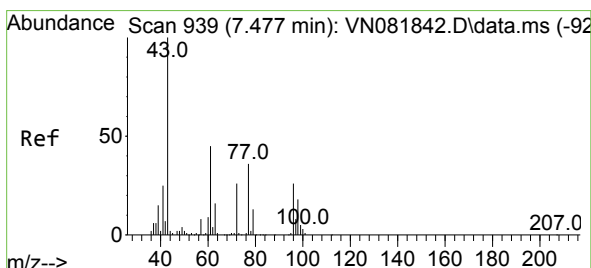
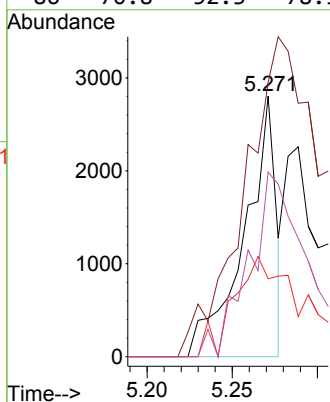
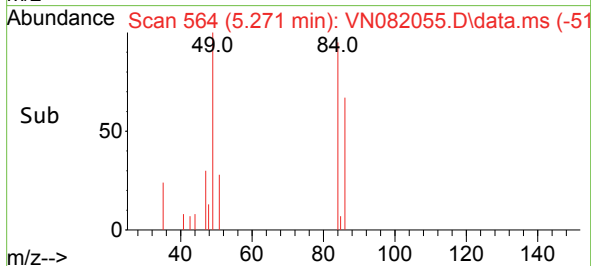


#20
Methylene Chloride
Concen: 2.089 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

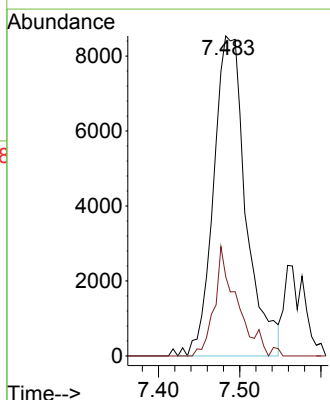
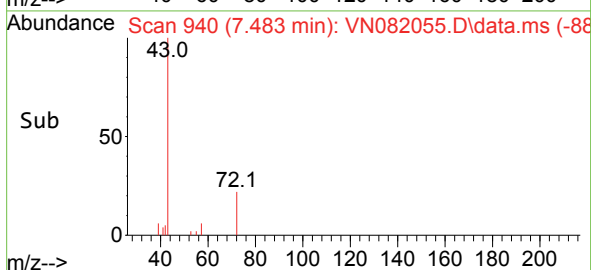
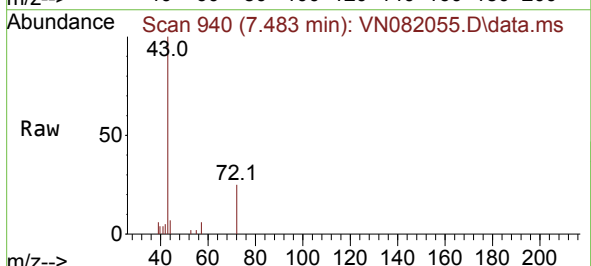


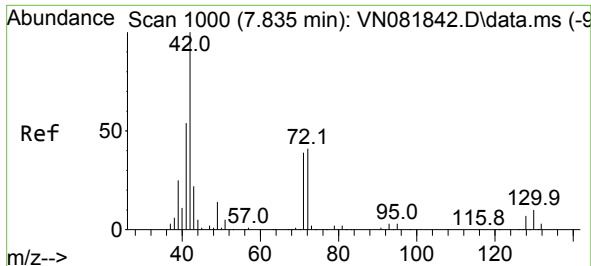
Tgt Ion:	84	Resp:	3616
Ion	Ratio	Lower	Upper
84	100		
49	105.2	84.9	127.3
51	29.9	27.0	40.6
86	70.8	52.3	78.5



#25
2-Butanone
Concen: 20.625 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Tgt Ion:	43	Resp:	23645
Ion	Ratio	Lower	Upper
43	100		
72	24.8	25.3	37.9#





#29

Tetrahydrofuran

Concen: 0.681 ug/l

RT: 7.836 min Scan# 1065

Delta R.T. 0.000 min

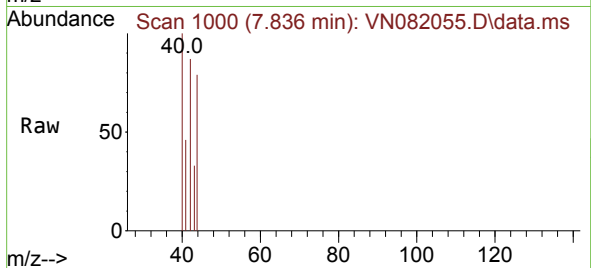
Lab File: VN082055.D

Acq: 09 May 2024 16:58

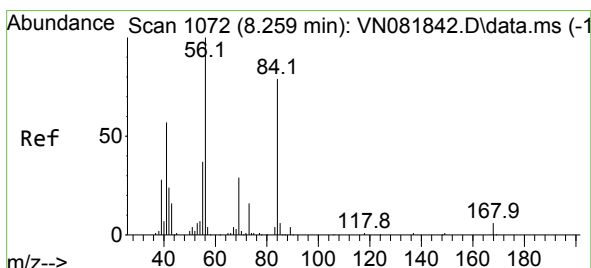
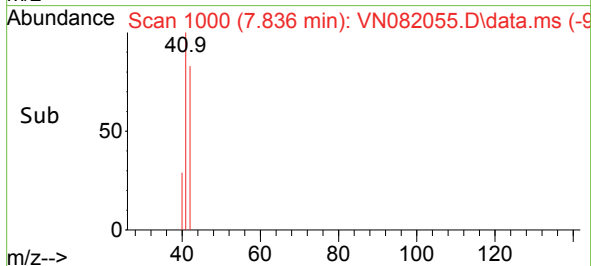
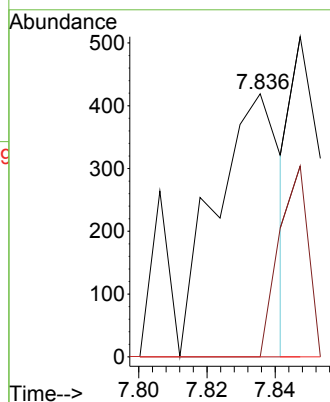
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	560
Ion Ratio	Lower	Upper	
42	100		
72	32.1	39.3	58.9#
71	0.0	37.4	56.0#



#31

Cyclohexane

Concen: 1.489 ug/l

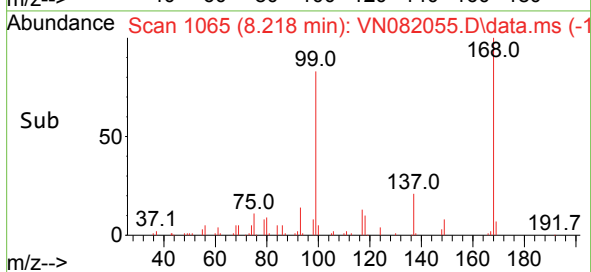
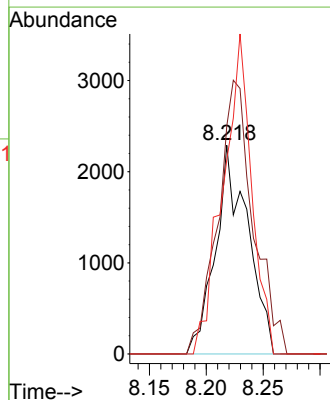
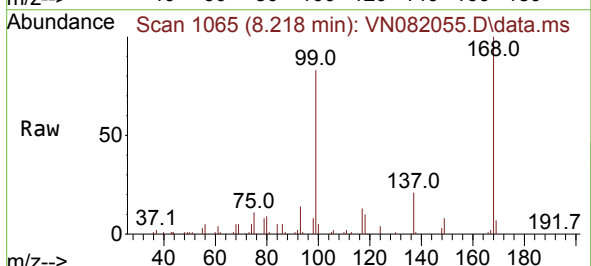
RT: 8.218 min Scan# 1065

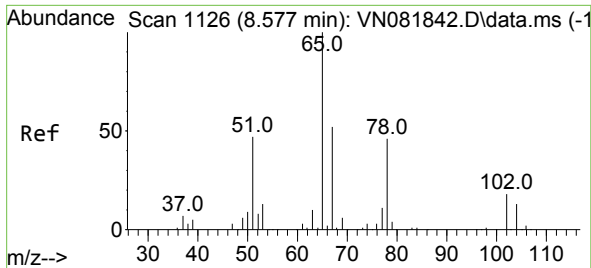
Delta R.T. -0.041 min

Lab File: VN082055.D

Acq: 09 May 2024 16:58

Tgt Ion:	56	Resp:	4532
Ion Ratio	Lower	Upper	
56	100		
69	109.1	24.4	36.6#
84	93.0	77.0	115.4





#33

1,2-Dichloroethane-d4

Concen: 52.448 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN082055.D

Acq: 09 May 2024 16:58

Instrument :

MSVOA_N

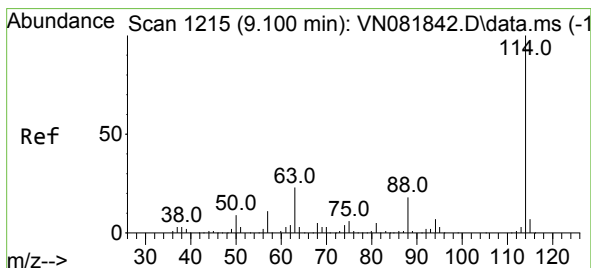
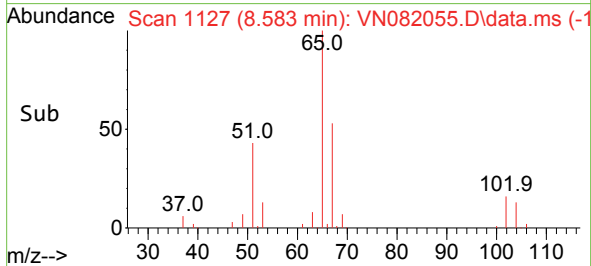
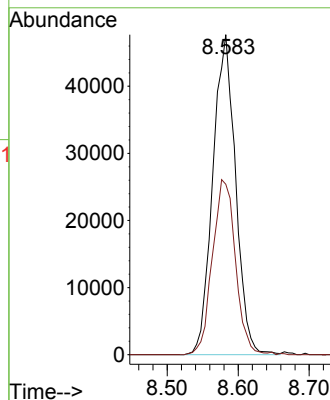
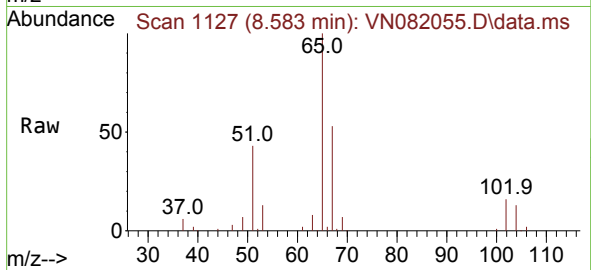
ClientSampleId :

Tgt Ion: 65 Resp: 105938

Ion Ratio Lower Upper

65 100

67 55.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082055.D

Acq: 09 May 2024 16:58

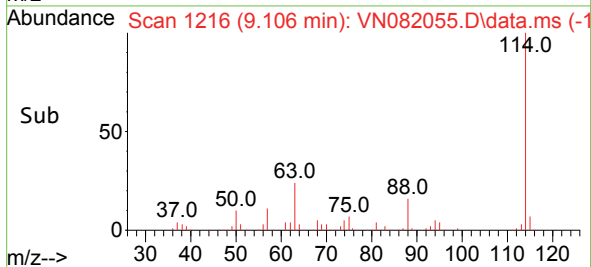
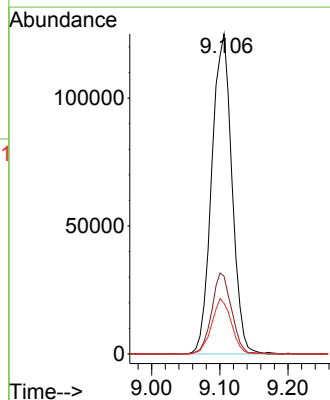
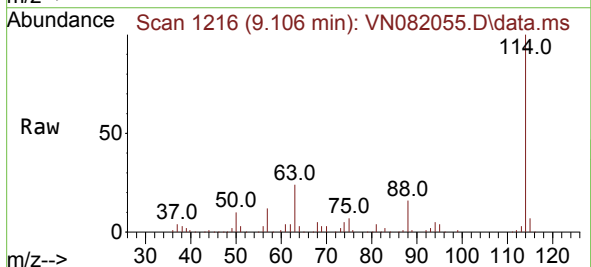
Tgt Ion: 114 Resp: 257850

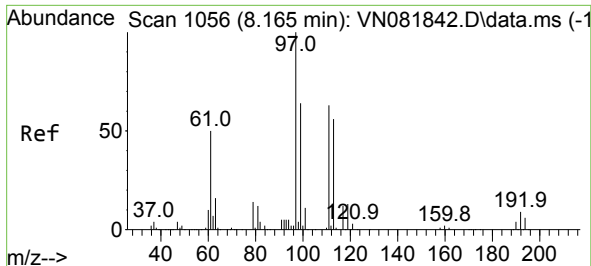
Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.0

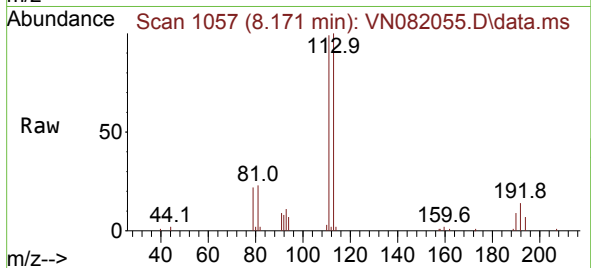
88 15.8 0.0 31.4



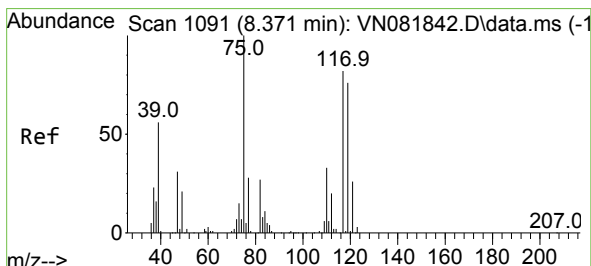
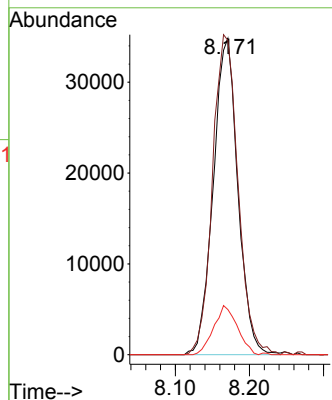
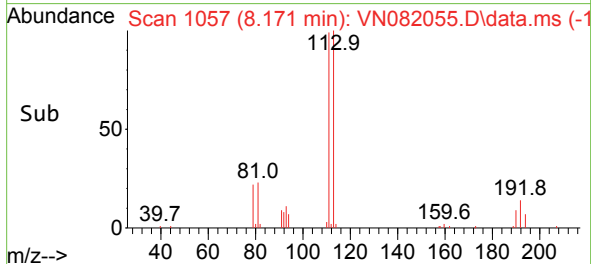


#35
Dibromofluoromethane
Concen: 51.771 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

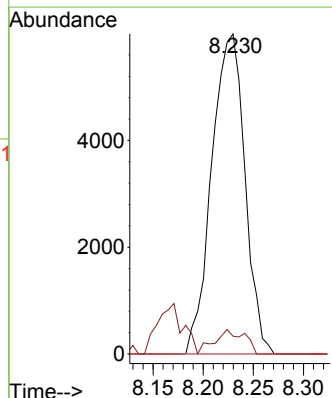
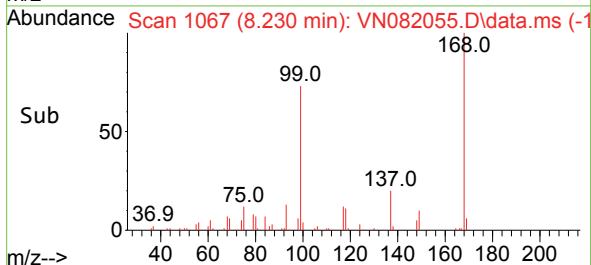
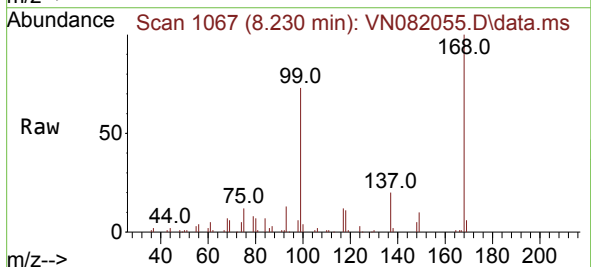


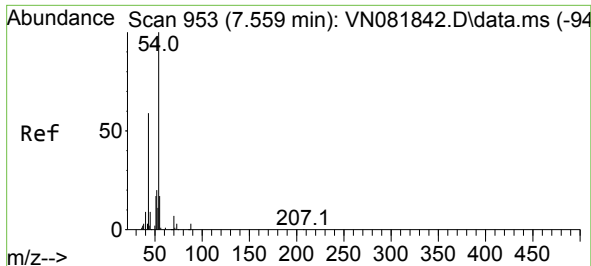
Tgt Ion:113 Resp: 80373
Ion Ratio Lower Upper
113 100
111 104.7 83.4 125.2
192 14.9 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.464 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Tgt Ion: 75 Resp: 13800
Ion Ratio Lower Upper
75 100
110 5.8 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.516 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

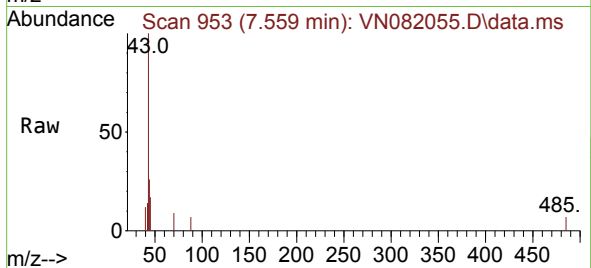
Lab File: VN082055.D

Acq: 09 May 2024 16:58

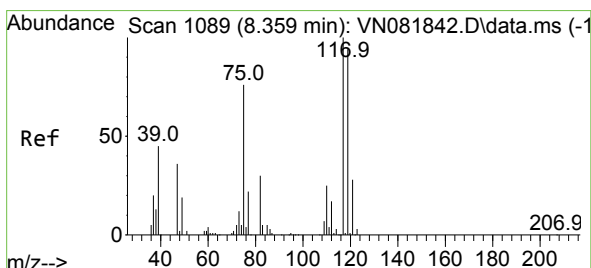
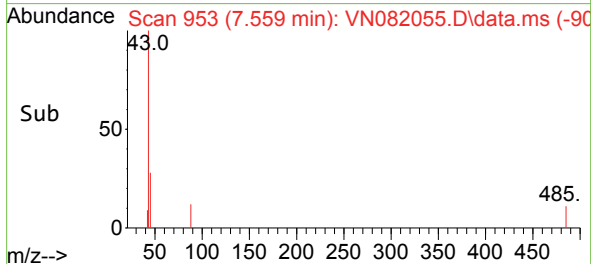
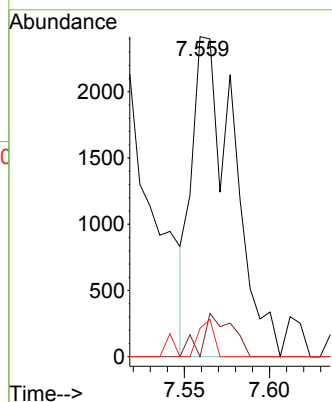
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	4139
Ion	Ratio	Lower	Upper
43	100		
61	9.7	11.3	16.9#
70	4.2	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.771 ug/l

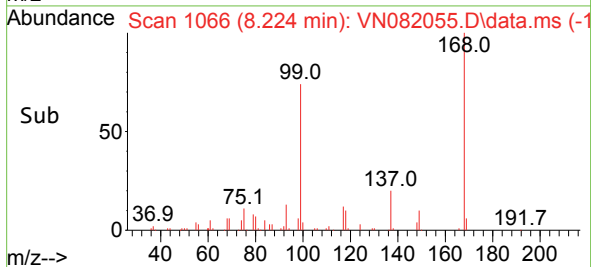
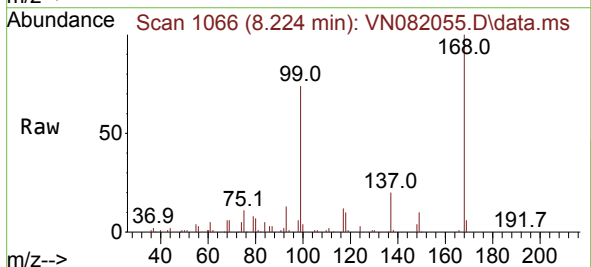
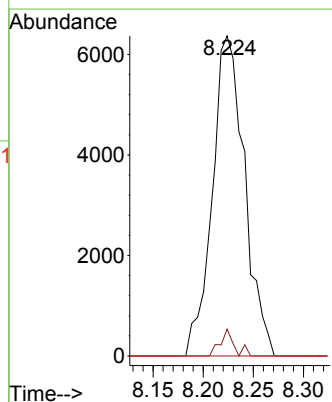
RT: 8.224 min Scan# 1066

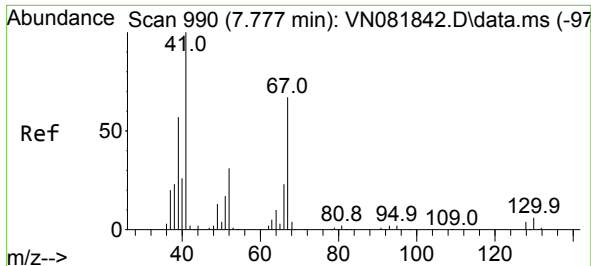
Delta R.T. -0.135 min

Lab File: VN082055.D

Acq: 09 May 2024 16:58

Tgt Ion:	117	Resp:	14246
Ion	Ratio	Lower	Upper
117	100		
119	8.4	76.5	114.7#
121	0.0	23.9	35.9#

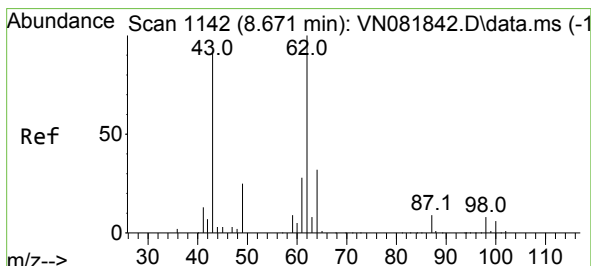
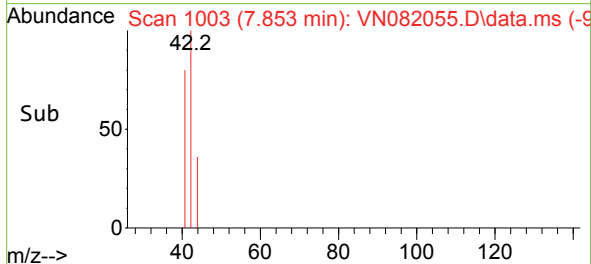
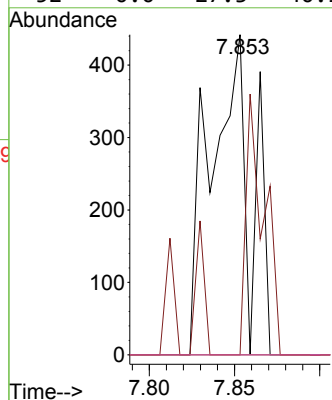
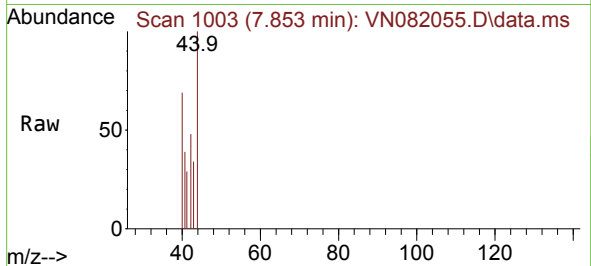




#41
Methacrylonitrile
Concen: 0.417 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.077 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

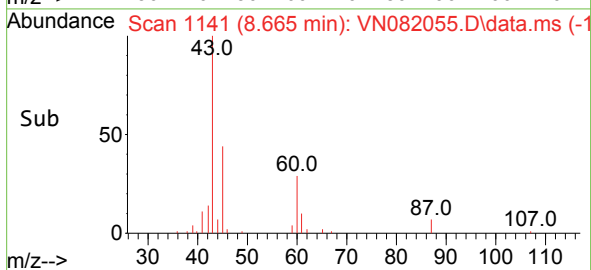
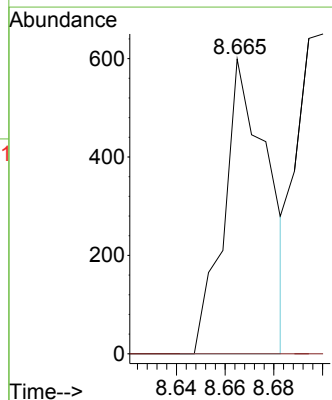
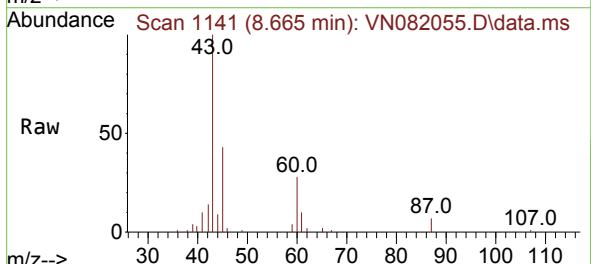
Instrument :
MSVOA_N
ClientSampleId :

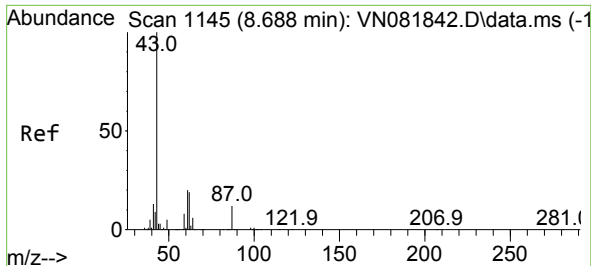
Tgt Ion: 41 Resp: 727
Ion Ratio Lower Upper
41 100
39 36.6 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#42
1,2-Dichloroethane
Concen: 0.267 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

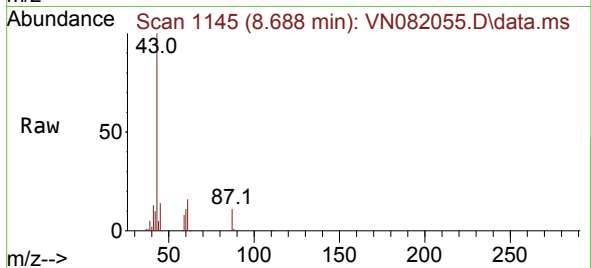
Tgt Ion: 62 Resp: 751
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6



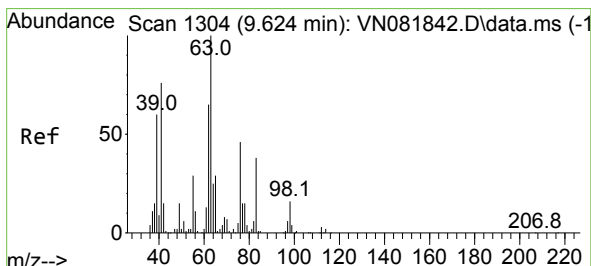
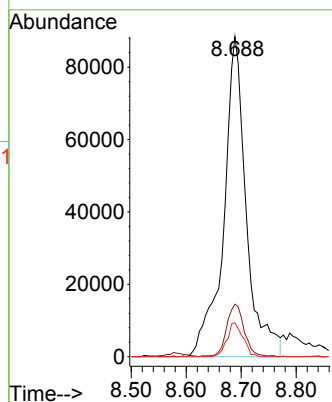
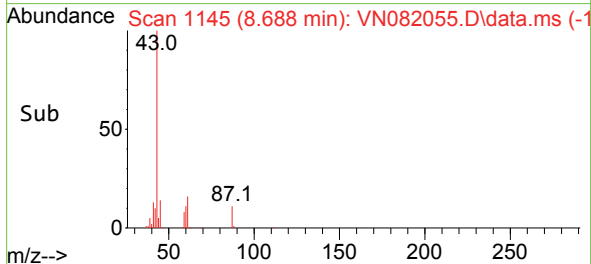


#43
Isopropyl Acetate
Concen: 49.225 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

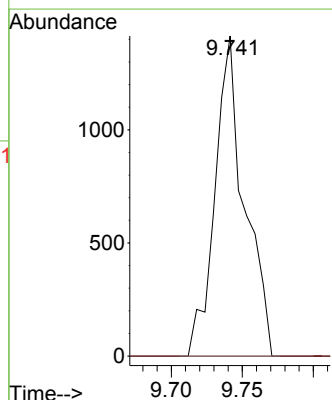
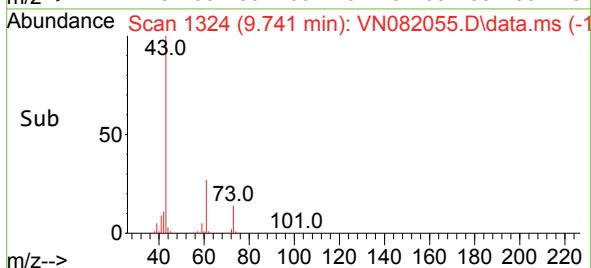
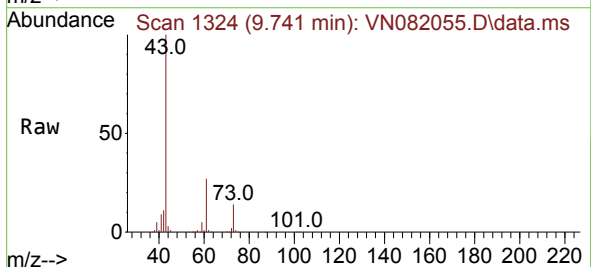


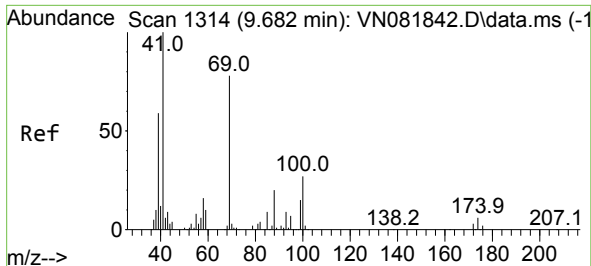
Tgt Ion: 43 Resp: 252755
Ion Ratio Lower Upper
43 100
61 12.8 22.8 34.2#
87 7.4 12.0 18.0#



#45
1,2-Dichloropropane
Concen: 1.029 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

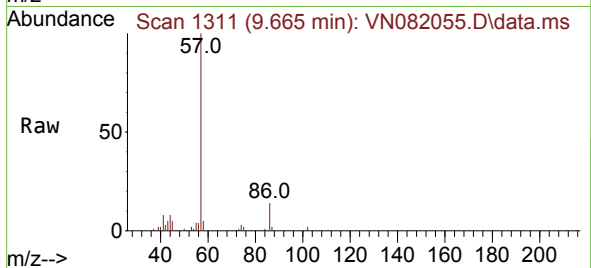
Tgt Ion: 63 Resp: 2042
Ion Ratio Lower Upper
63 100
65 0.0 24.1 36.1#



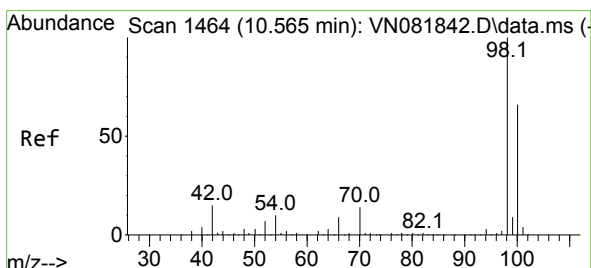
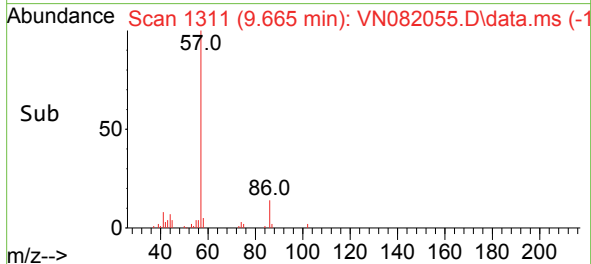
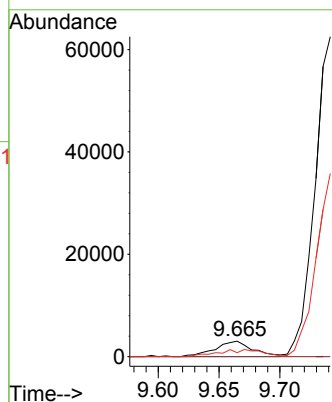


#48
Methyl methacrylate
Concen: 2.657 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

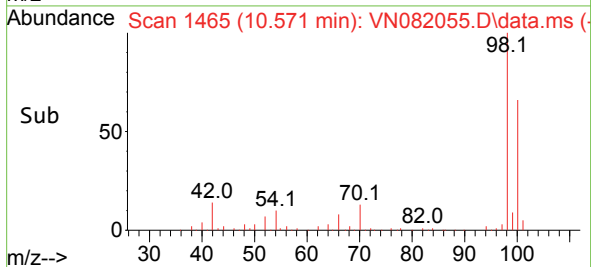
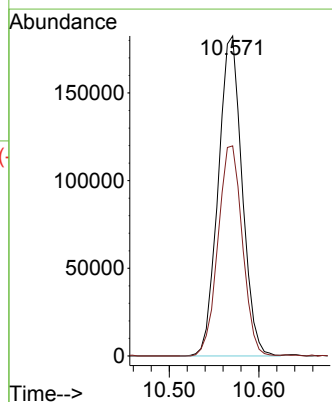
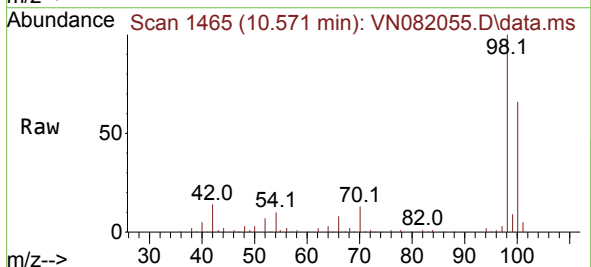


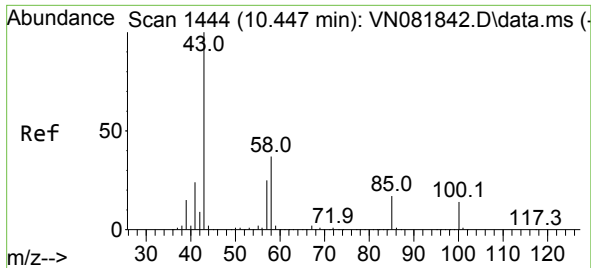
Tgt Ion: 41 Resp: 6513
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 53.2 50.9 76.3



#50
Toluene-d8
Concen: 55.356 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Tgt Ion: 98 Resp: 337520
Ion Ratio Lower Upper
98 100
100 67.0 51.8 77.6

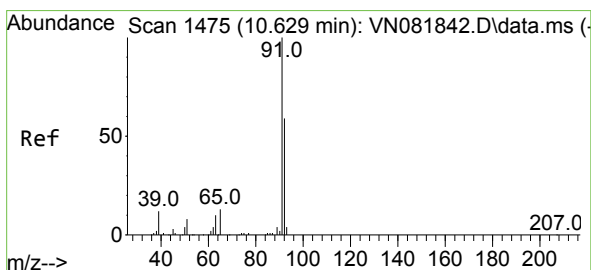
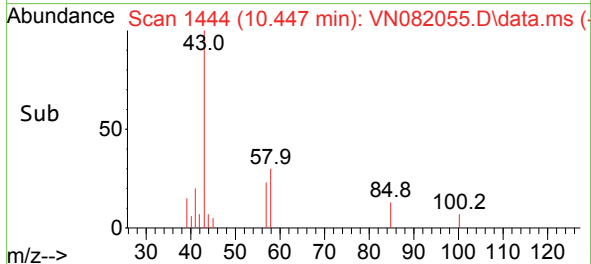
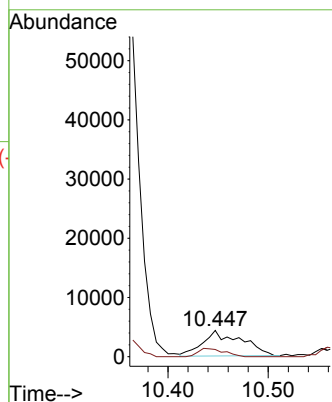
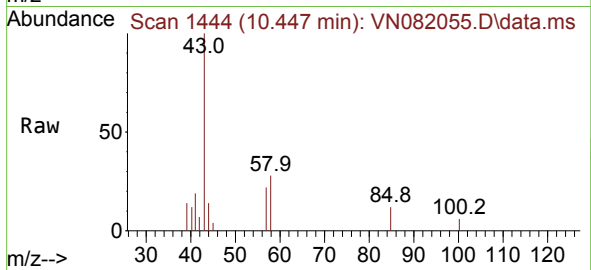




#51
4-Methyl-2-Pentanone
Concen: 3.981 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

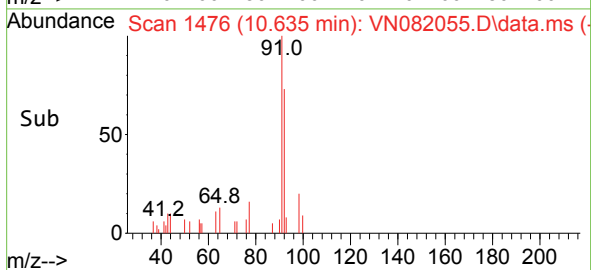
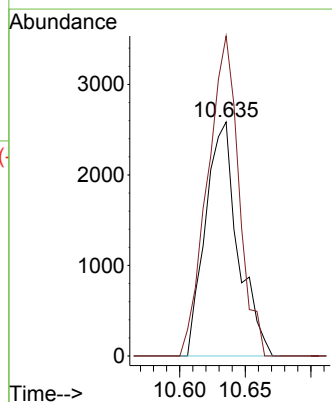
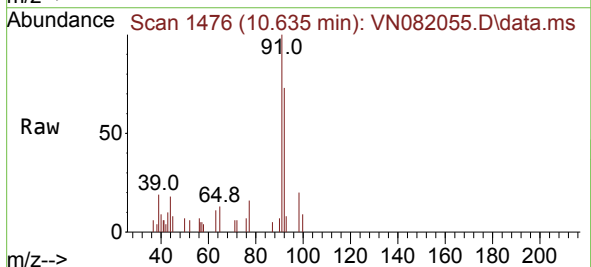
Instrument :
MSVOA_N
ClientSampleId :

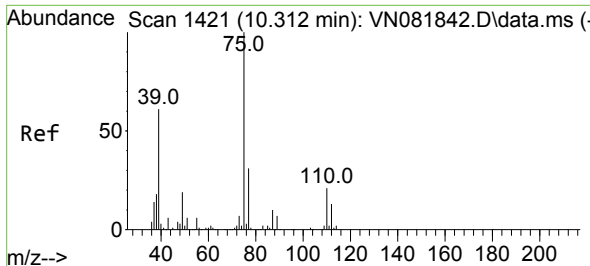
Tgt Ion: 43 Resp: 11506
Ion Ratio Lower Upper
43 100
58 21.9 33.2 49.8#



#52
Toluene
Concen: 0.980 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

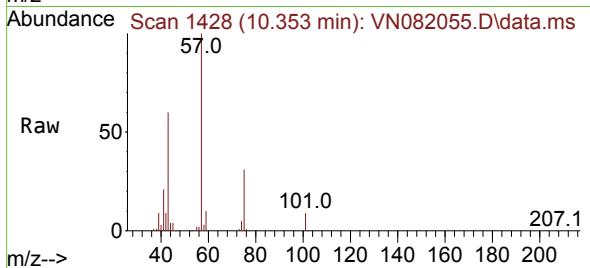
Tgt Ion: 92 Resp: 4451
Ion Ratio Lower Upper
92 100
91 132.2 136.7 205.1#



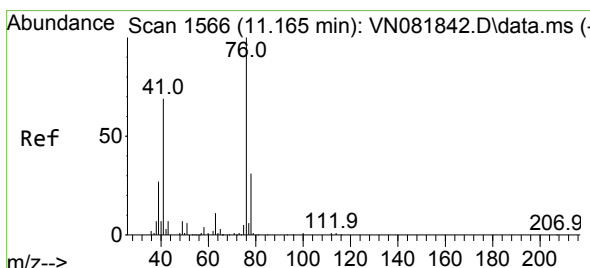
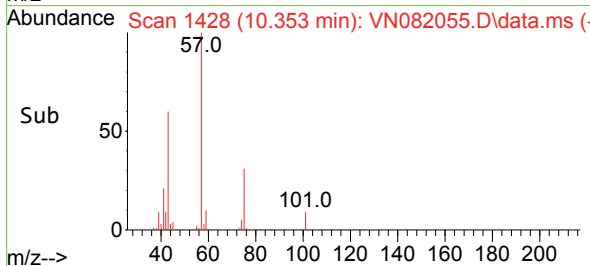
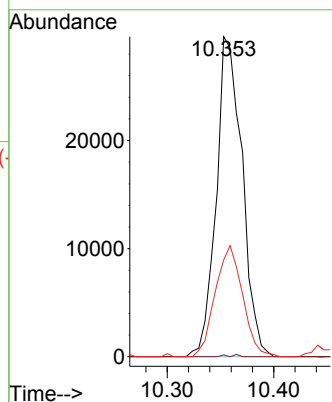


#54
 cis-1,3-Dichloropropene
 Concen: 15.381 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN082055.D
 Acq: 09 May 2024 16:58

Instrument :
 MSVOA_N
 ClientSampleId :

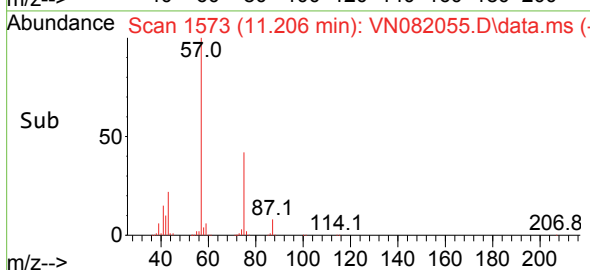
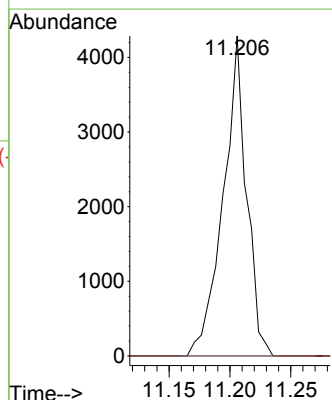
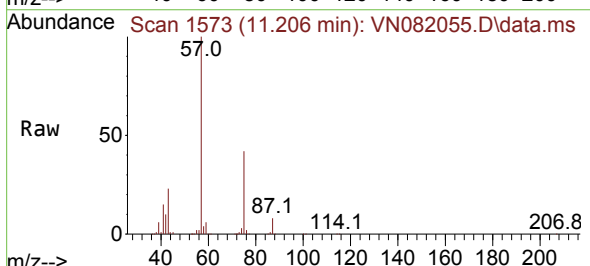


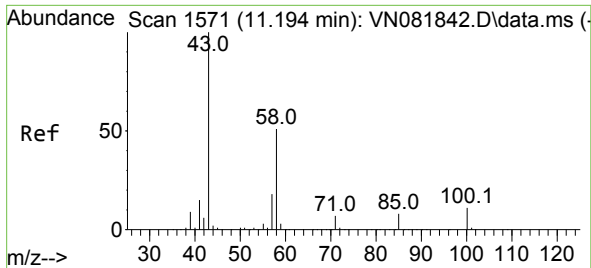
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.6	25.0	37.4#
39	30.3	34.8	52.2#



#57
 1,3-Dichloropropane
 Concen: 1.799 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN082055.D
 Acq: 09 May 2024 16:58

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.8	38.6#

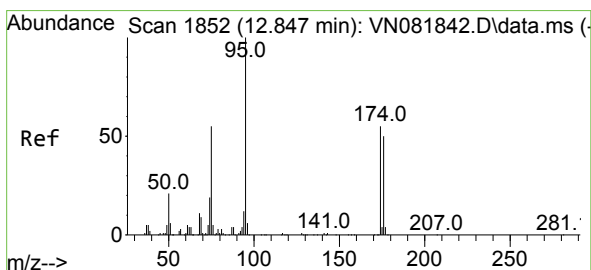
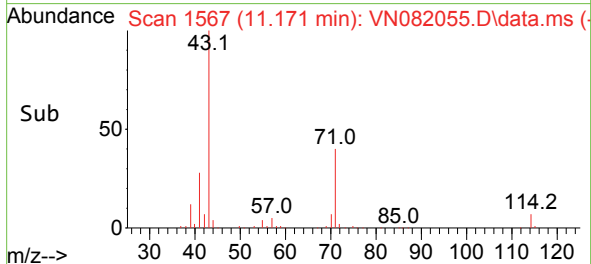
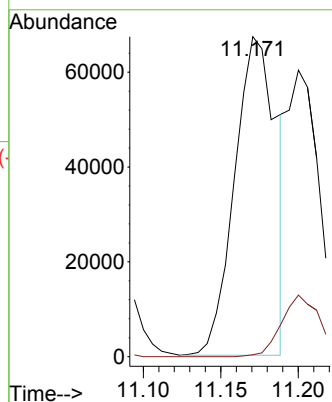
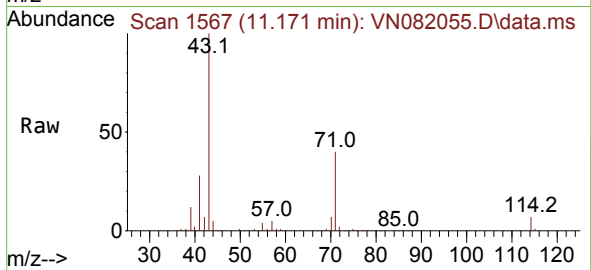




#59
2-Hexanone
Concen: 58.546 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

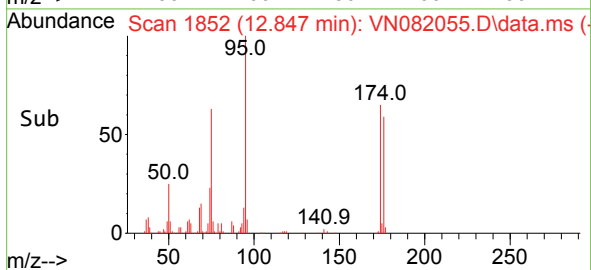
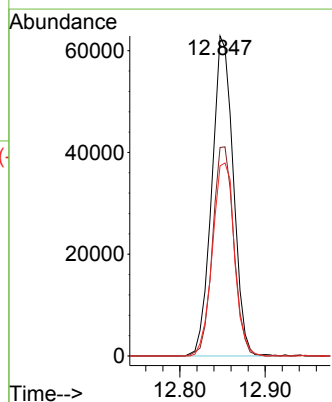
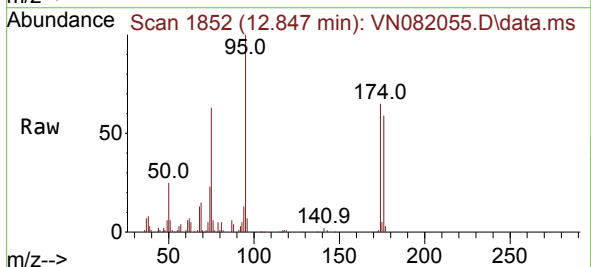
Instrument :
MSVOA_N
ClientSampleId :

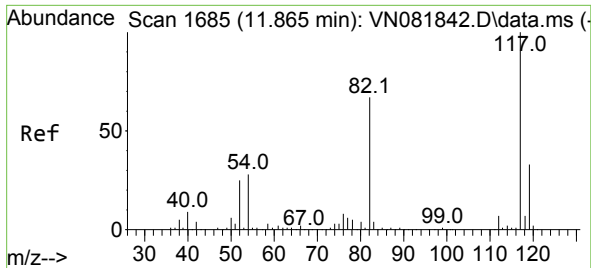
Tgt Ion: 43 Resp: 125941
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.466 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

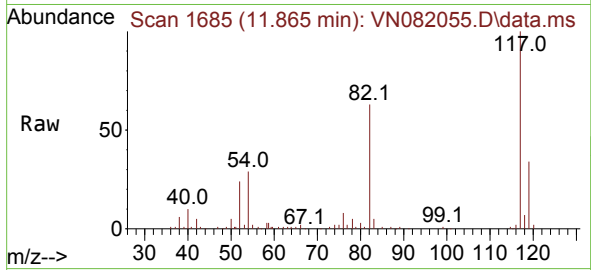
Tgt Ion: 95 Resp: 109586
Ion Ratio Lower Upper
95 100
174 64.6 0.0 160.6
176 62.1 0.0 152.8



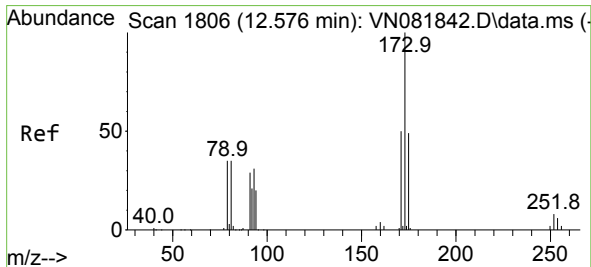
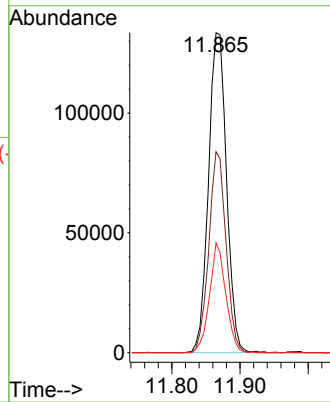
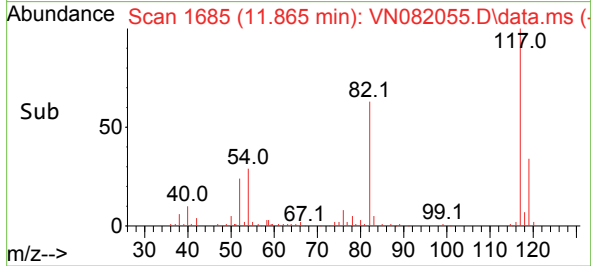


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

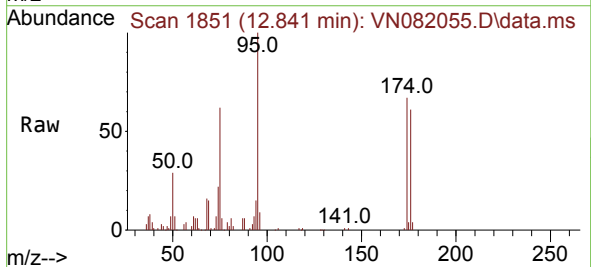
Instrument :
MSVOA_N
ClientSampleId :



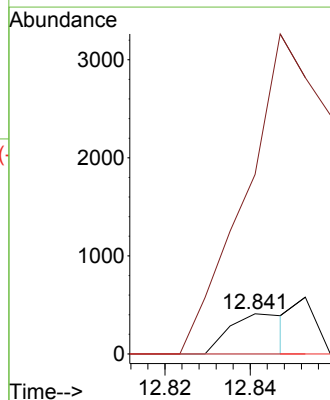
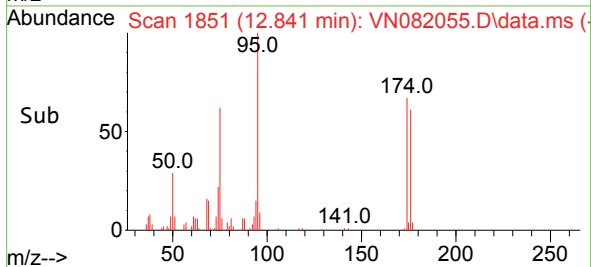
Tgt Ion:117 Resp: 245851
Ion Ratio Lower Upper
117 100
82 62.8 44.6 66.8
119 34.3 25.9 38.9

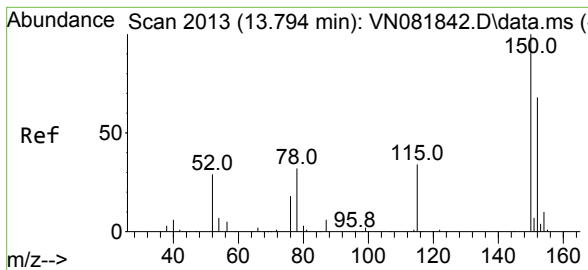


#71
Bromoform
Concen: 0.279 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58



Tgt Ion:173 Resp: 383
Ion Ratio Lower Upper
173 100
175 897.1 24.6 74.0#
254 0.0 0.0 0.0

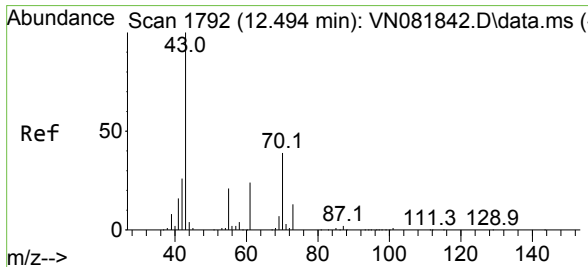
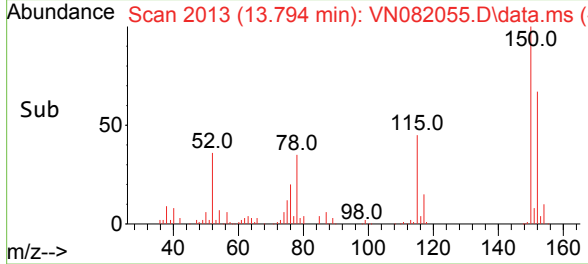
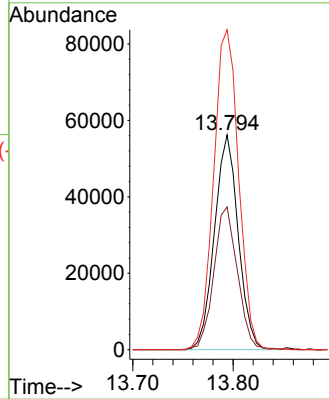
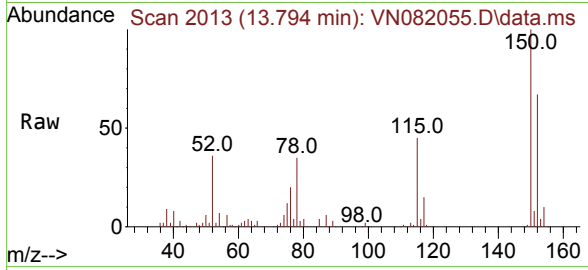




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN082055.D
 Acq: 09 May 2024 16:58

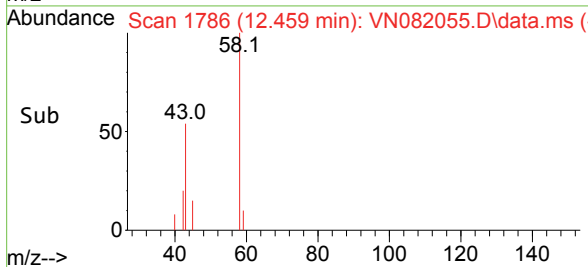
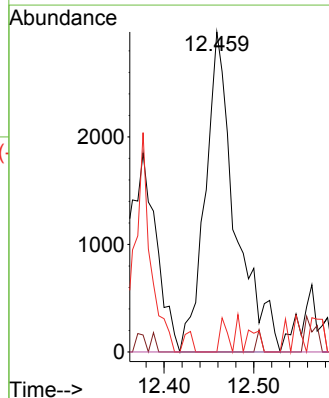
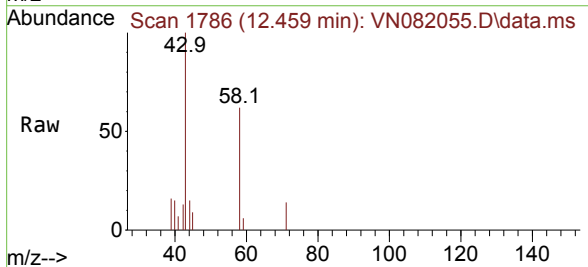
Instrument :
 MSVOA_N
 ClientSampleId :

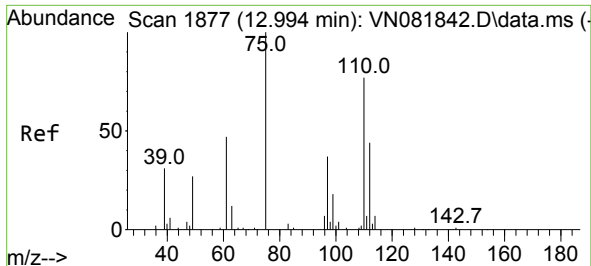
Tgt Ion:152 Resp: 92342
 Ion Ratio Lower Upper
 152 100
 115 66.3 30.4 91.3
 150 156.4 0.0 353.2



#74
 N-ethyl acetate
 Concen: 1.512 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.035 min
 Lab File: VN082055.D
 Acq: 09 May 2024 16:58

Tgt Ion: 43 Resp: 6909
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 2.5 21.3 31.9#
 61 0.0 20.5 30.7#

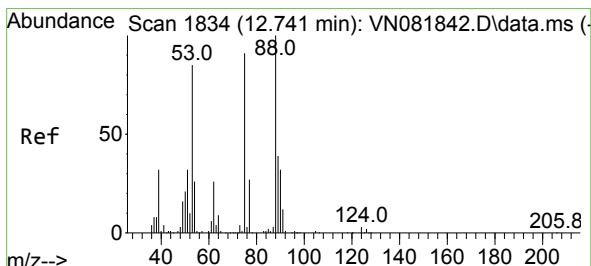
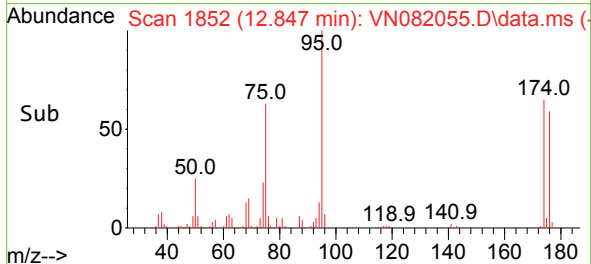
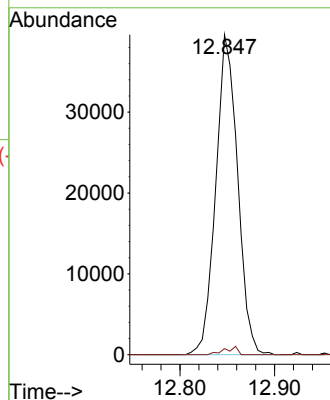
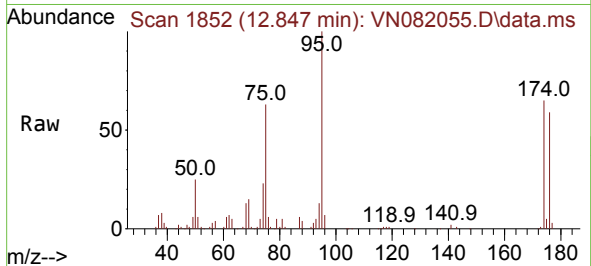




#76
1,2,3-Trichloropropane
Concen: 26.507 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 63463
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.316 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN082055.D
Acq: 09 May 2024 16:58

Tgt Ion: 75 Resp: 63463
Ion Ratio Lower Upper
75 100
53 0.2 72.9 109.3#
89 0.0 39.1 58.7#

