

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
 Data File : VN082075.D
 Acq On : 10 May 2024 17:21
 Operator : JC\MD
 Sample : PB160834ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 23:25:29 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)

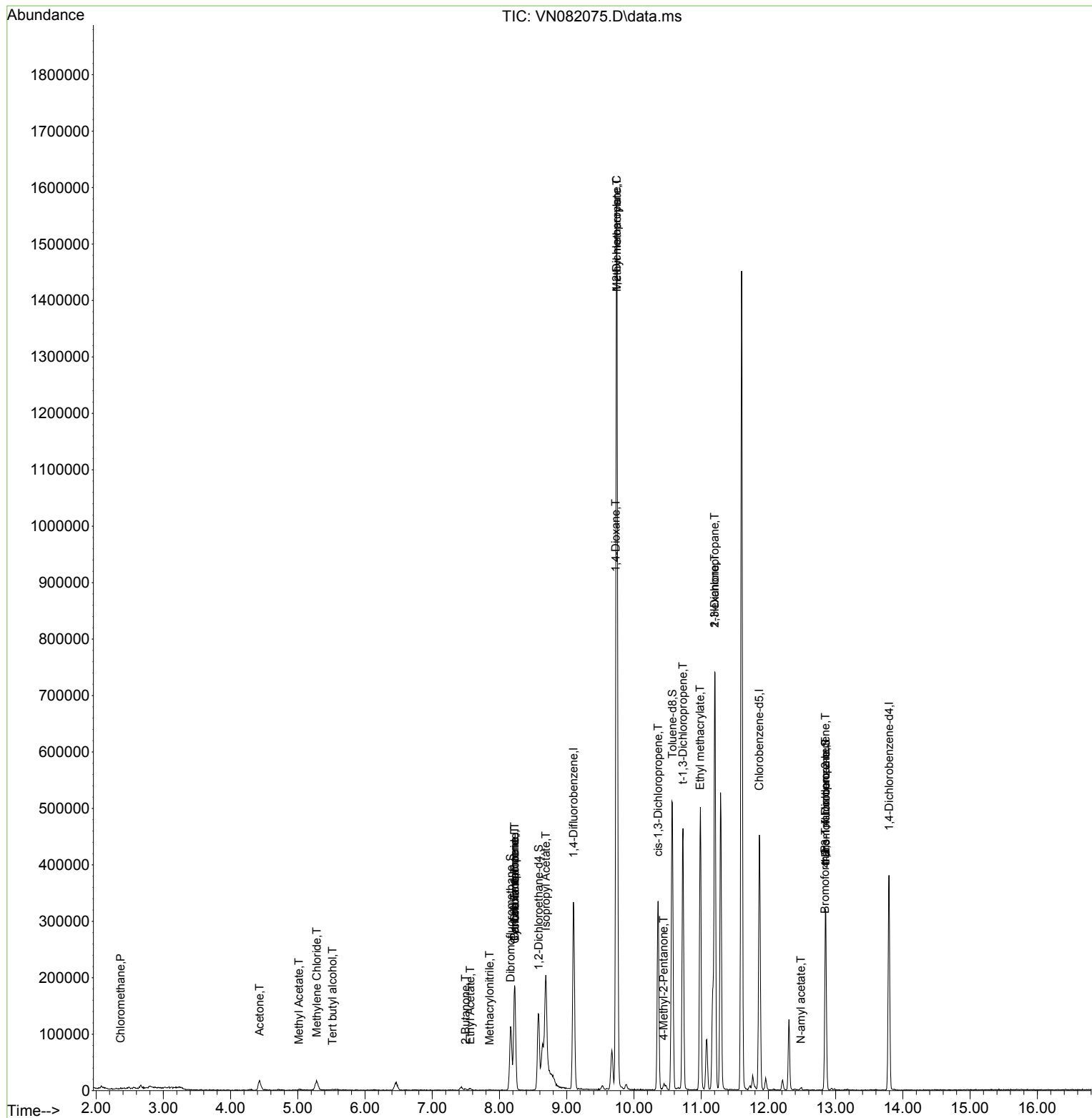
Internal Standards						
1) Pentafluorobenzene	8.224	168	120147	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	258591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	241382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	86196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	107723	53.124	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.240%	
35) Dibromofluoromethane	8.165	113	80345	51.604	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.200%	
50) Toluene-d8	10.571	98	343546	56.183	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 112.360%	
62) 4-Bromofluorobenzene	12.853	95	111389	46.082	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 92.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	480	0.273	ug/l	# 77
5) Bromomethane	2.965	94	82	Below Cal	#	3
11) Tert butyl alcohol	5.518	59	656	1.780	ug/l	96
13) Acrolein	4.195	56	95	Below Cal		95
16) Acetone	4.430	43	29606	44.888	ug/l	100
18) Methyl Acetate	5.018	43	1478	0.720	ug/l	# 84
20) Methylene Chloride	5.283	84	11232	6.463	ug/l	# 91
25) 2-Butanone	7.494	43	3871	3.363	ug/l	89
31) Cyclohexane	8.230	56	3805	1.246	ug/l	# 1
36) 1,1-Dichloropropene	8.224	75	13065	5.158	ug/l	# 48
37) Ethyl Acetate	7.565	43	4806	1.755	ug/l	# 89
38) Carbon Tetrachloride	8.224	117	13935	5.629	ug/l	# 16
41) Methacrylonitrile	7.853	41	354	0.203	ug/l	# 37
43) Isopropyl Acetate	8.688	43	333671	64.797	ug/l	# 70
45) 1,2-Dichloropropane	9.741	63	1750	0.879	ug/l	# 45
48) Methyl methacrylate	9.747	41	140977	57.348	ug/l	# 36
49) 1,4-Dioxane	9.730	88	59	1.579	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.441	43	6525	2.251	ug/l	96
53) t-1,3-Dichloropropene	10.730	75	1386	0.439	ug/l	# 71
54) cis-1,3-Dichloropropene	10.359	75	58551	17.999	ug/l	# 69
56) Ethyl methacrylate	10.982	69	1286	0.377	ug/l	# 1
57) 1,3-Dichloropropane	11.200	76	6989	2.195	ug/l	# 44
59) 2-Hexanone	11.200	43	104211	48.306	ug/l	# 50
71) Bromoform	12.841	173	583	0.433	ug/l	# 28
74) N-amyl acetate	12.482	43	1960	0.459	ug/l	# 39
76) 1,2,3-Trichloropropane	12.847	75	63806	28.550	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.847	75	63806	58.503	ug/l	# 13

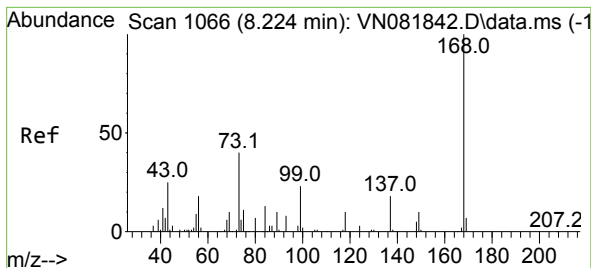
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051024\
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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082075.D

Acq: 10 May 2024 17:21

Instrument :

MSVOA_N

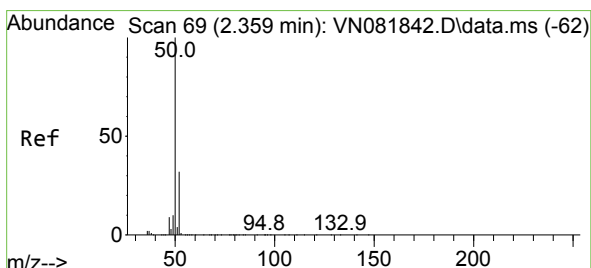
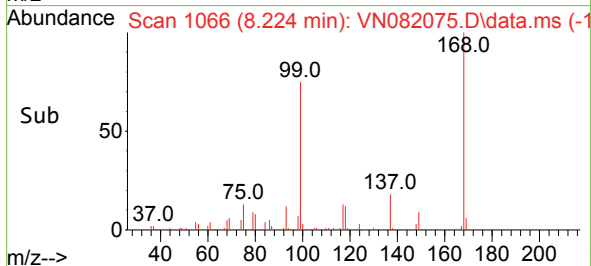
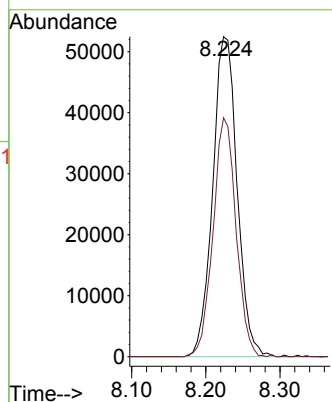
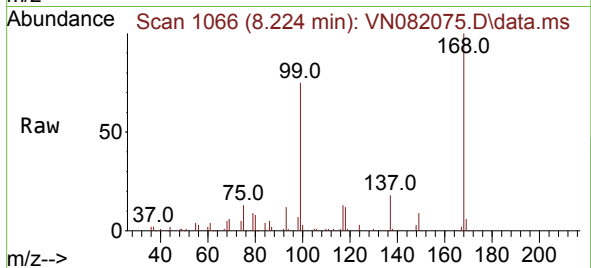
ClientSampleId :

Tgt Ion:168 Resp: 120147

Ion Ratio Lower Upper

168 100

99 74.6 48.2 72.4#



#3

Chloromethane

Concen: 0.273 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082075.D

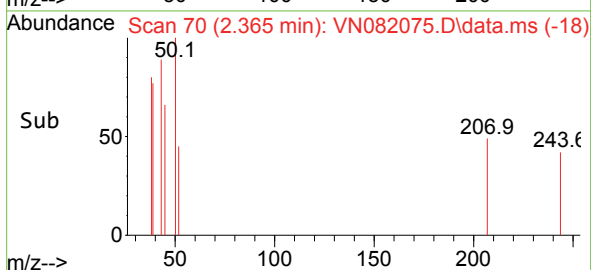
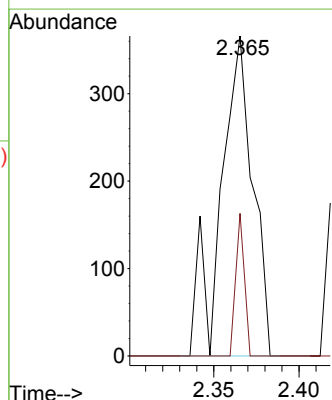
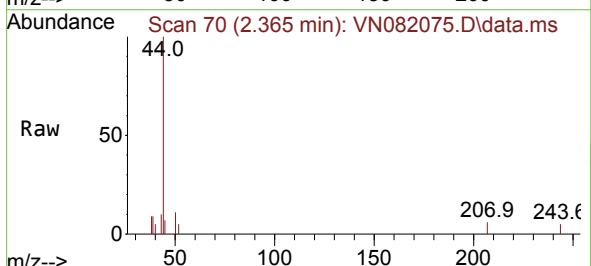
Acq: 10 May 2024 17:21

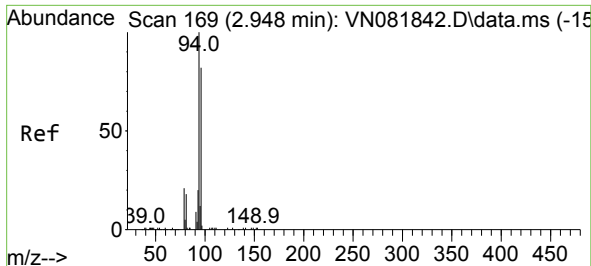
Tgt Ion: 50 Resp: 480

Ion Ratio Lower Upper

50 100

52 44.5 25.5 38.3#

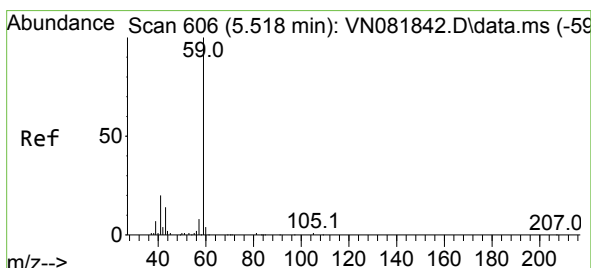
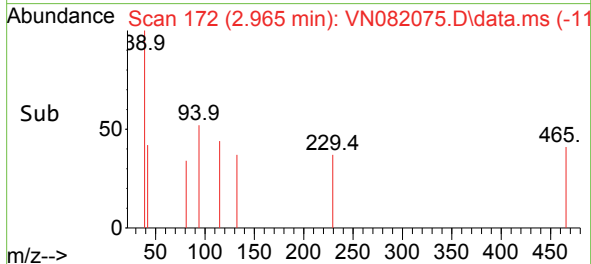
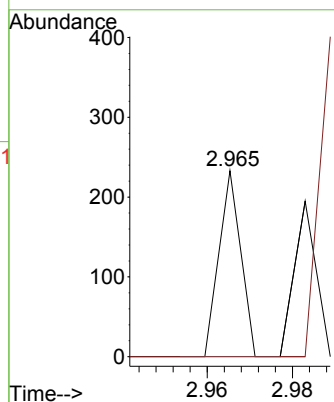
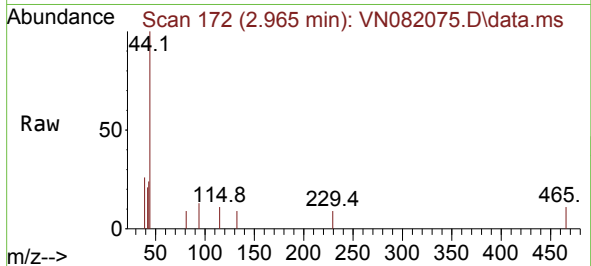




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

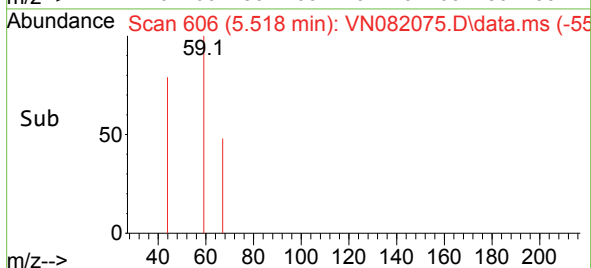
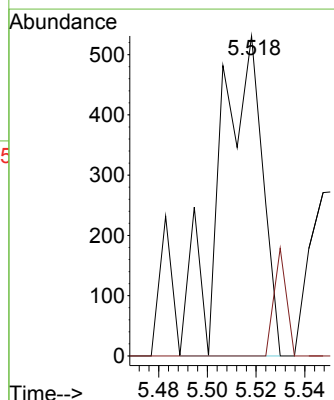
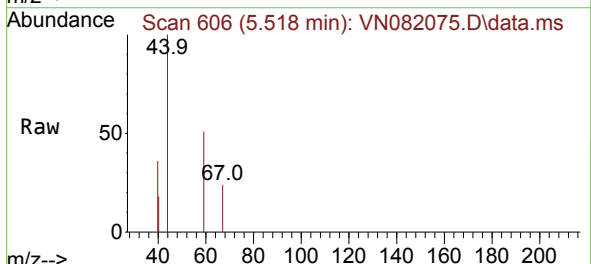
Instrument :
MSVOA_N
ClientSampleId :

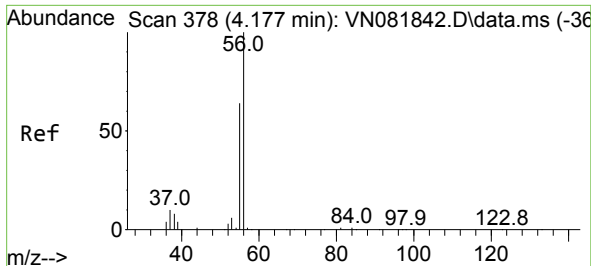
Tgt Ion: 94 Resp: 82
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#11
Tert butyl alcohol
Concen: 1.780 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

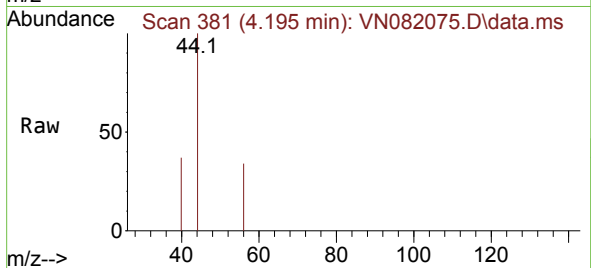
Tgt Ion: 59 Resp: 656
Ion Ratio Lower Upper
59 100
57 9.6 8.9 13.3



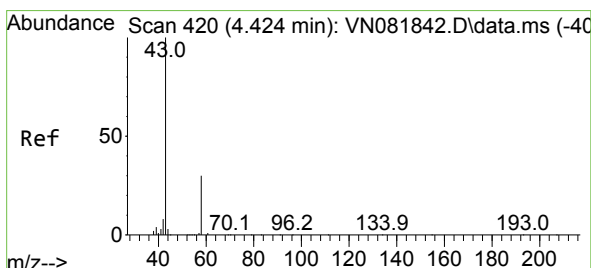
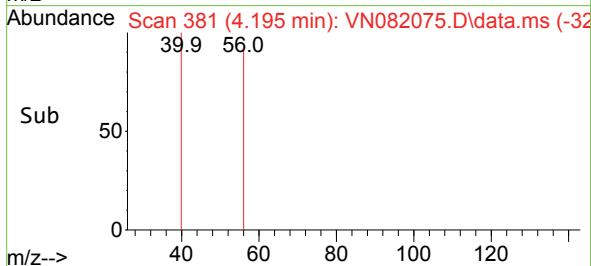
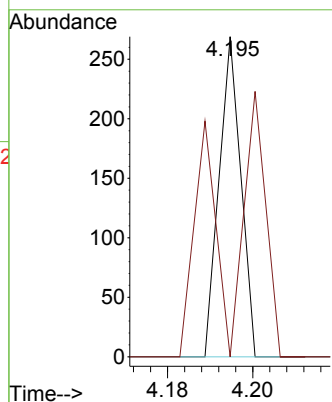


#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Instrument :
MSVOA_N
ClientSampleId :

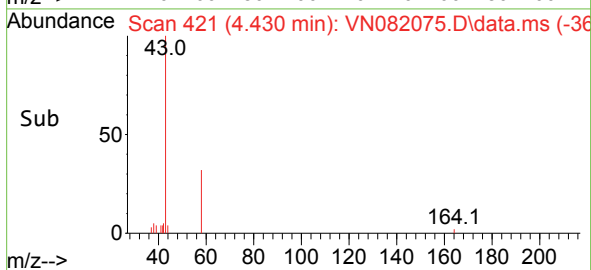
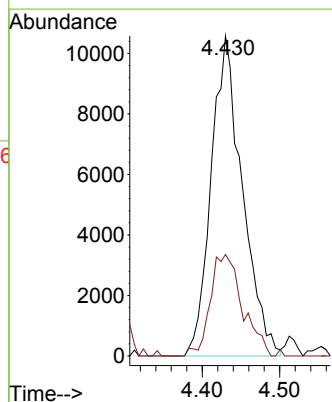
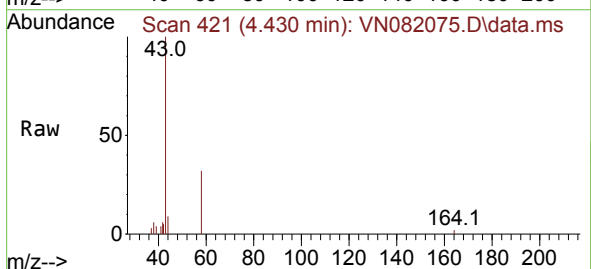


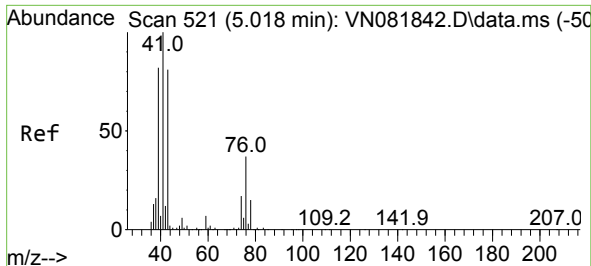
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 73.7 55.8 83.8



#16
Acetone
Concen: 44.888 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

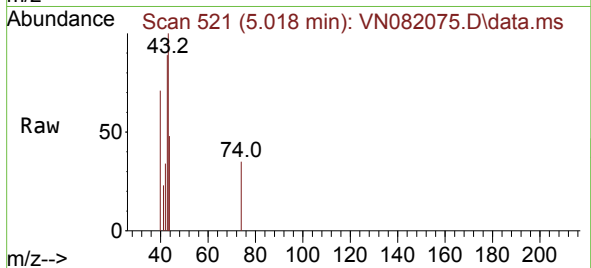
Tgt Ion: 43 Resp: 29606
Ion Ratio Lower Upper
43 100
58 31.7 25.2 37.8



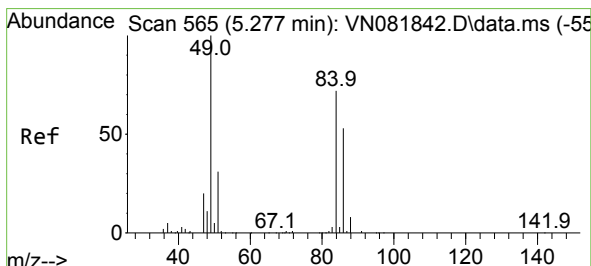
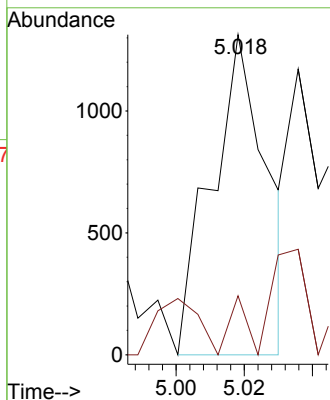
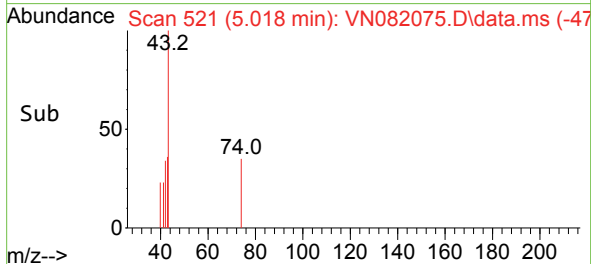


#18
Methyl Acetate
Concen: 0.720 ug/l
RT: 5.018 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Instrument :
MSVOA_N
ClientSampleId :

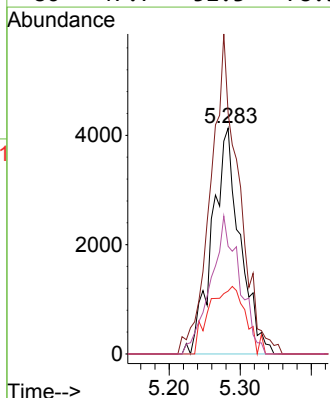
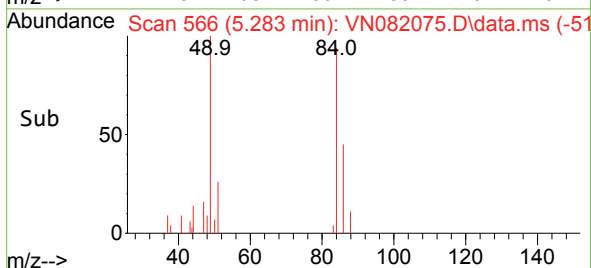
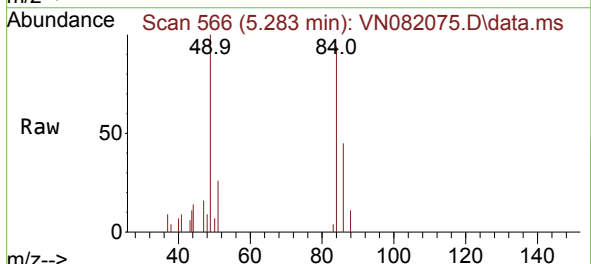


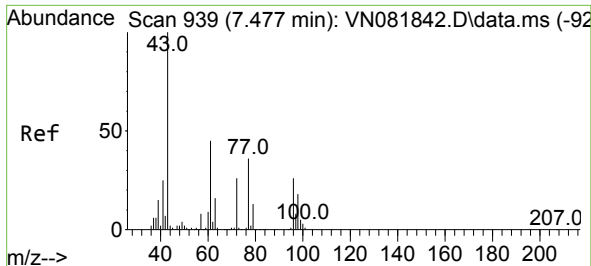
Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
74 36.1 22.2 33.2#



#20
Methylene Chloride
Concen: 6.463 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.006 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

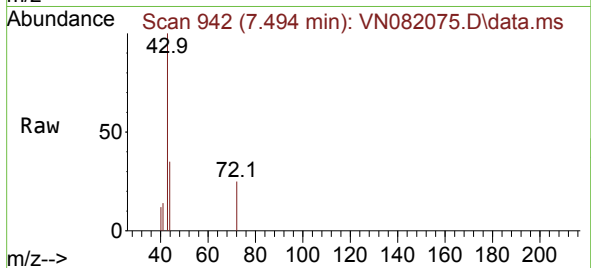
Tgt Ion: 84 Resp: 11232
Ion Ratio Lower Upper
84 100
49 106.8 84.9 127.3
51 27.8 27.0 40.6
86 47.7 52.3 78.5#



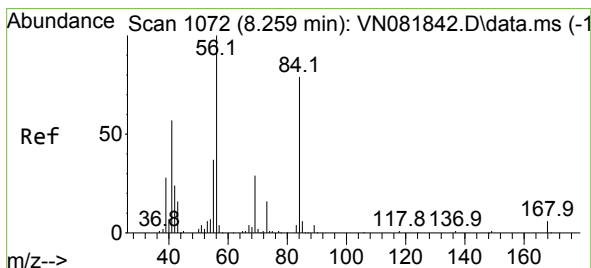
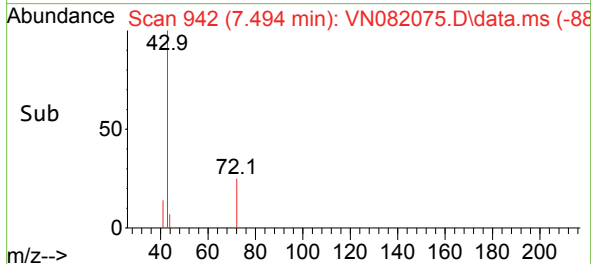
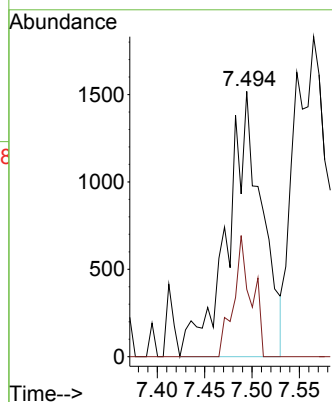


#25
2-Butanone
Concen: 3.363 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Instrument :
MSVOA_N
ClientSampleId :

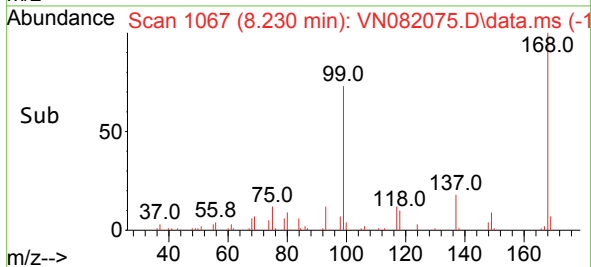
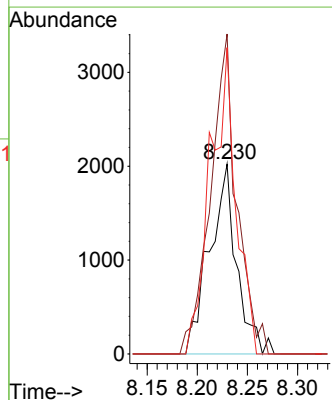
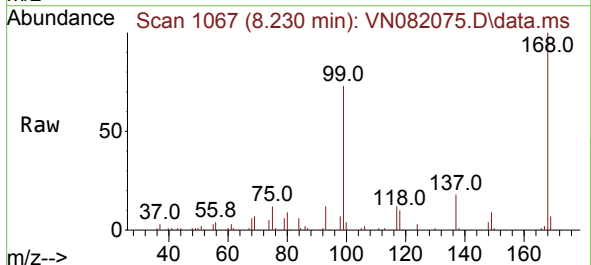


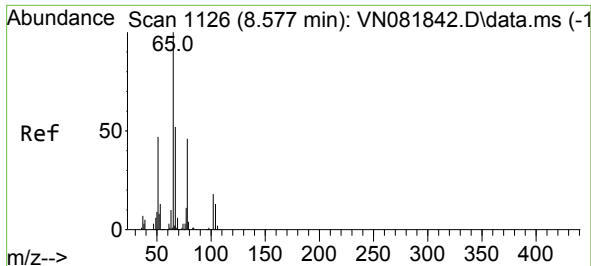
Tgt Ion: 43 Resp: 3871
Ion Ratio Lower Upper
43 100
72 25.4 25.3 37.9



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Tgt Ion: 56 Resp: 3805
Ion Ratio Lower Upper
56 100
69 168.4 24.4 36.6#
84 161.3 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 53.124 ug/l

RT: 8.583 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN082075.D

Acq: 10 May 2024 17:21

Instrument :

MSVOA_N

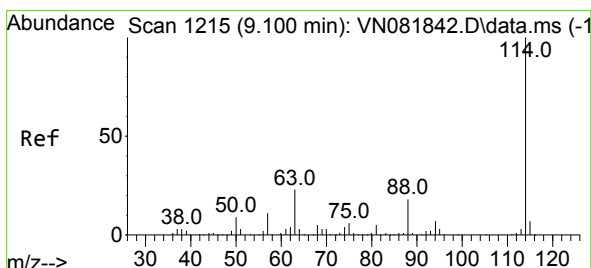
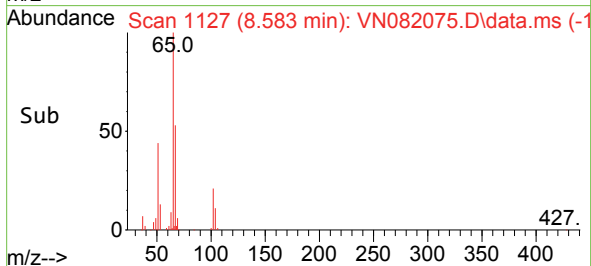
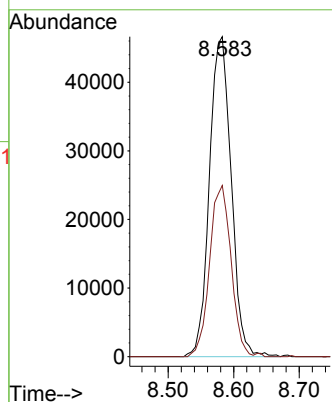
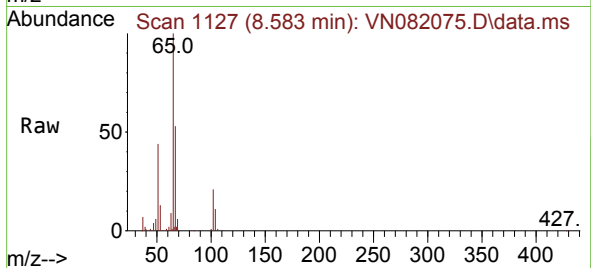
ClientSampleId :

Tgt Ion: 65 Resp: 107723

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN082075.D

Acq: 10 May 2024 17:21

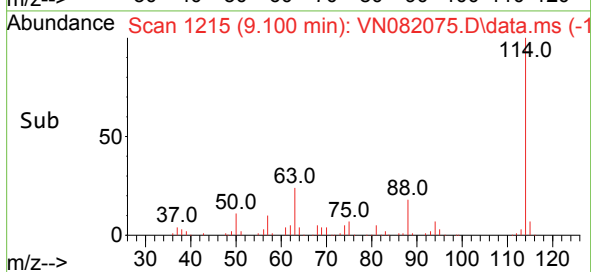
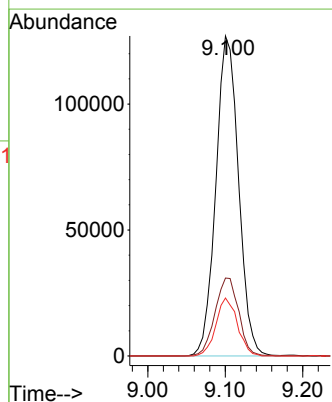
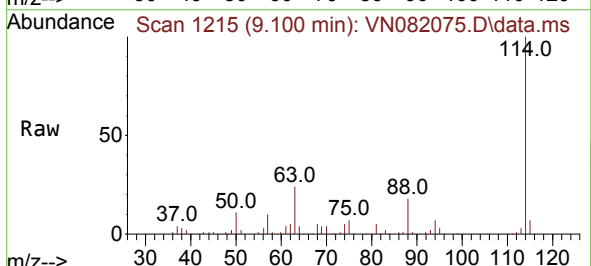
Tgt Ion: 114 Resp: 258591

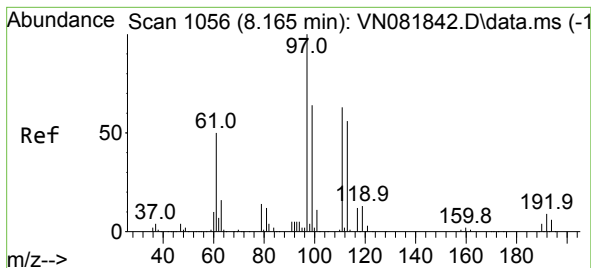
Ion Ratio Lower Upper

114 100

63 24.3 0.0 41.0

88 18.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.604 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

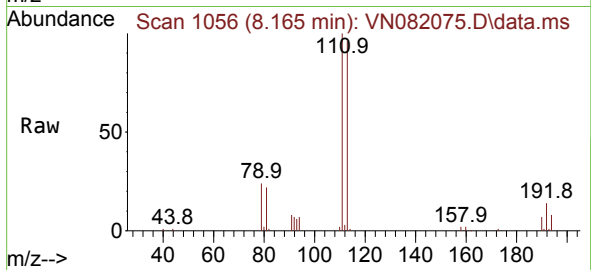
Lab File: VN082075.D

Acq: 10 May 2024 17:21

Instrument :

MSVOA_N

ClientSampleId :



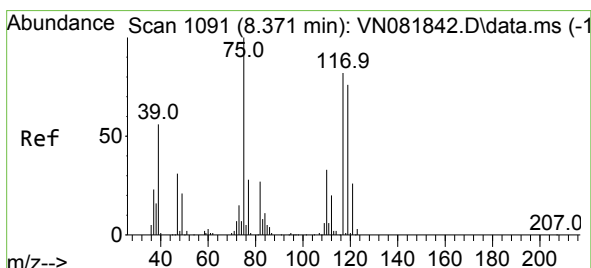
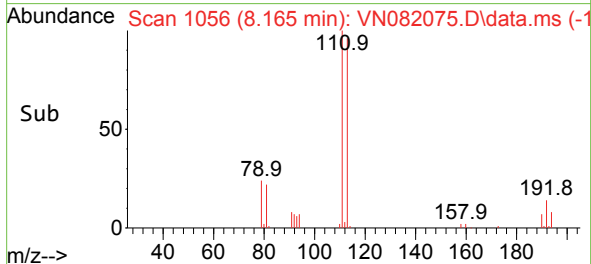
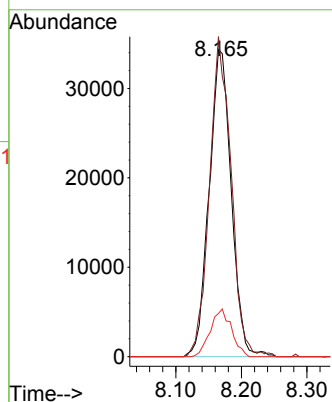
Tgt Ion:113 Resp: 80345

Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.2

192 15.0 14.0 21.0



#36

1,1-Dichloropropene

Concen: 5.158 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082075.D

Acq: 10 May 2024 17:21

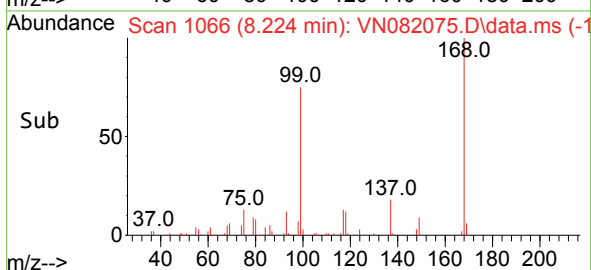
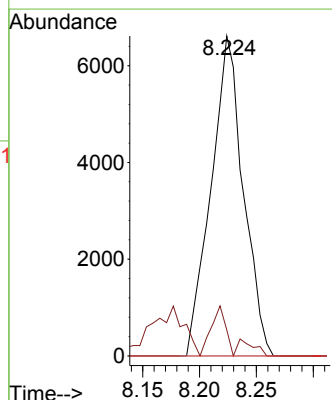
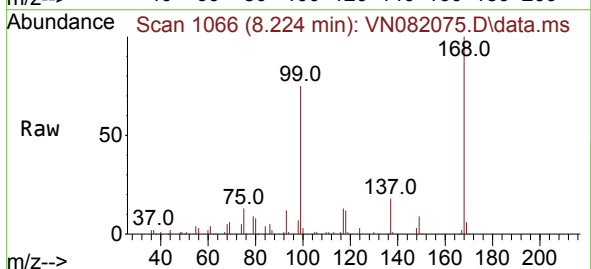
Tgt Ion: 75 Resp: 13065

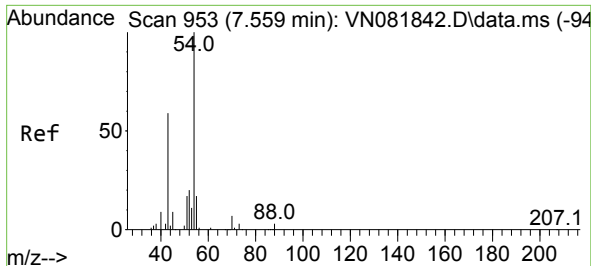
Ion Ratio Lower Upper

75 100

110 7.1 17.8 53.5#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.755 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

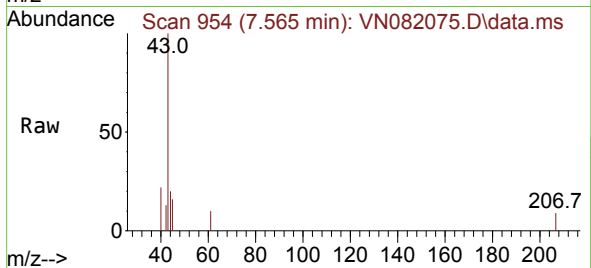
Lab File: VN082075.D

Acq: 10 May 2024 17:21

Instrument :

MSVOA_N

ClientSampleId :



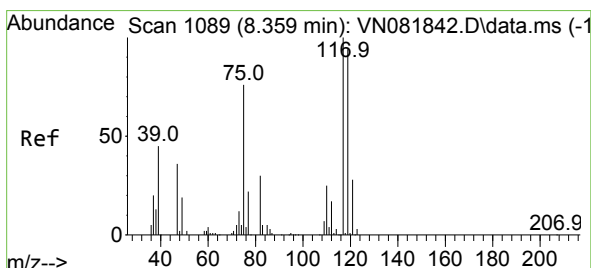
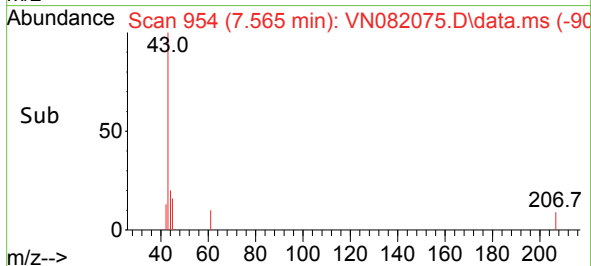
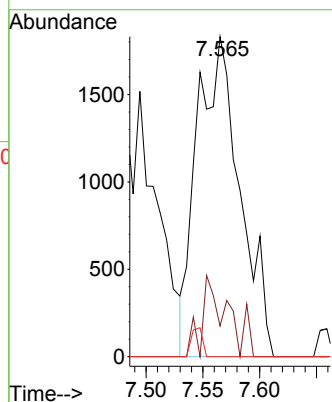
Tgt Ion: 43 Resp: 4806

Ion Ratio Lower Upper

43 100

61 13.2 11.3 16.9

70 2.4 8.7 13.1#



#38

Carbon Tetrachloride

Concen: 5.629 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN082075.D

Acq: 10 May 2024 17:21

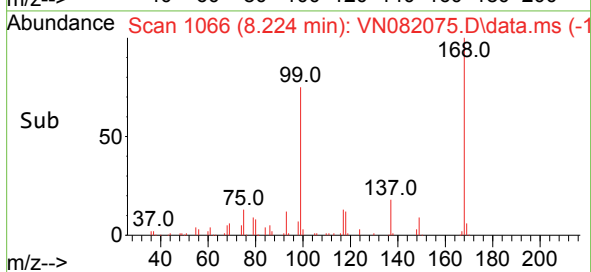
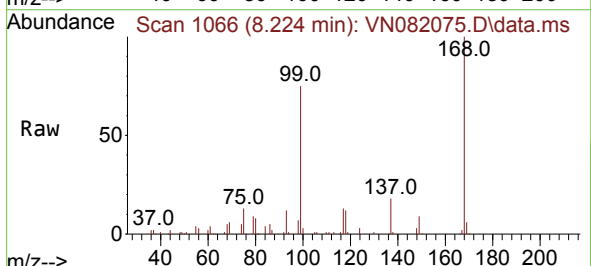
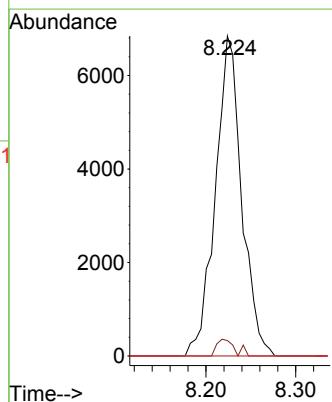
Tgt Ion: 117 Resp: 13935

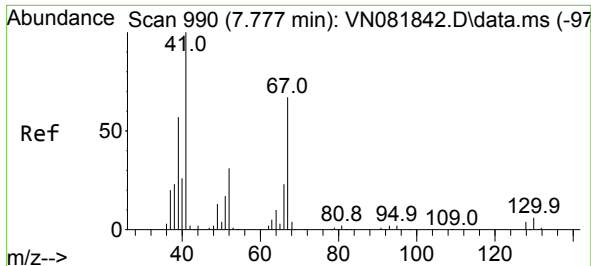
Ion Ratio Lower Upper

117 100

119 4.8 76.5 114.7#

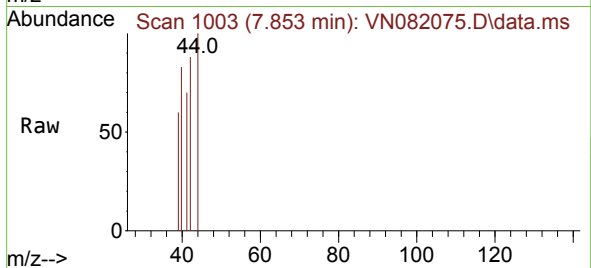
121 0.0 23.9 35.9#



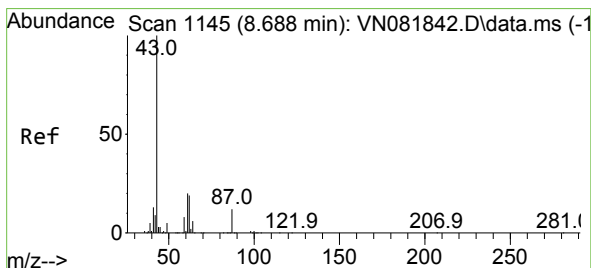
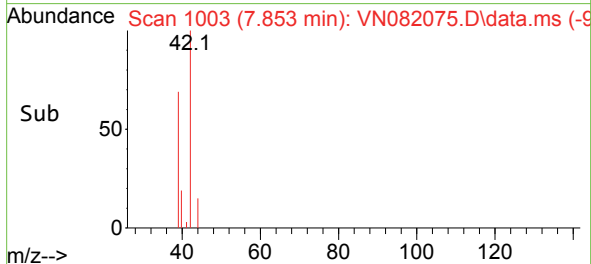
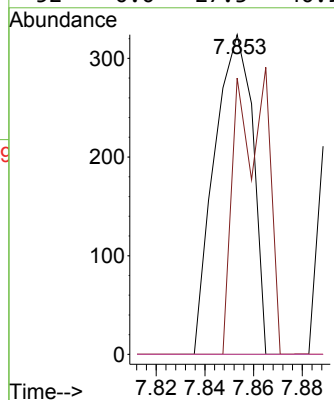


#41
Methacrylonitrile
Concen: 0.203 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.077 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Instrument :
MSVOA_N
ClientSampleId :

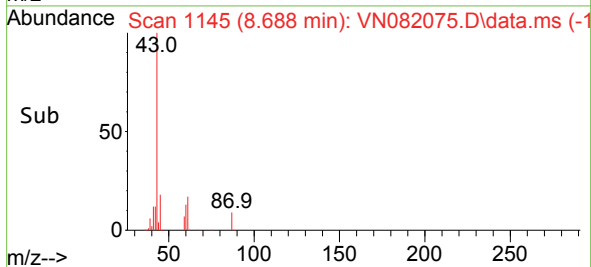
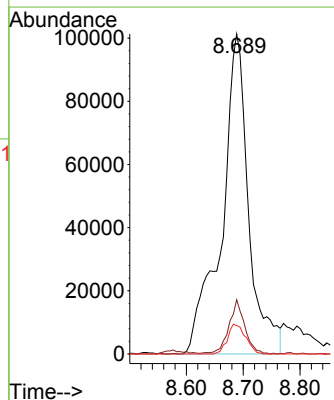
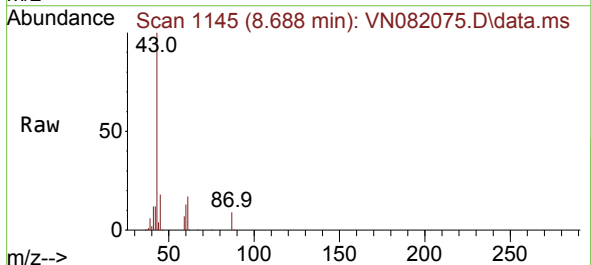


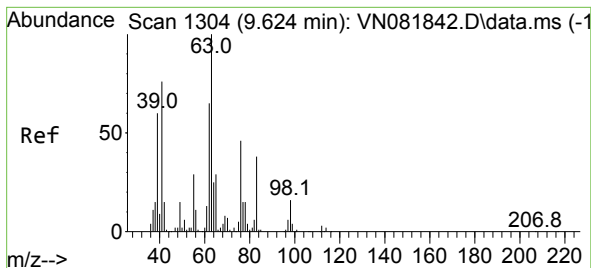
Tgt Ion: 41 Resp: 354
Ion Ratio Lower Upper
41 100
39 74.6 46.6 69.8#
67 0.0 67.3 100.9#
52 0.0 27.3 40.9#



#43
Isopropyl Acetate
Concen: 64.797 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Tgt Ion: 43 Resp: 333671
Ion Ratio Lower Upper
43 100
61 10.1 22.8 34.2#
87 6.2 12.0 18.0#





#45

1,2-Dichloropropane

Concen: 0.879 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN082075.D

Acq: 10 May 2024 17:21

Instrument :

MSVOA_N

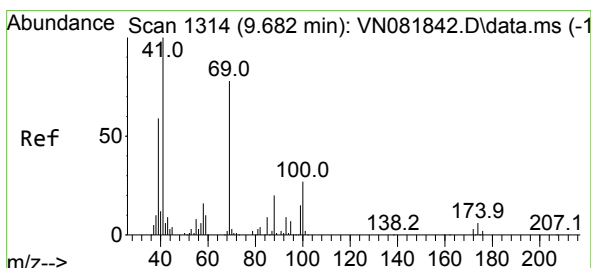
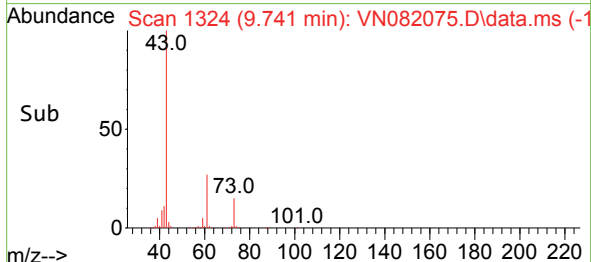
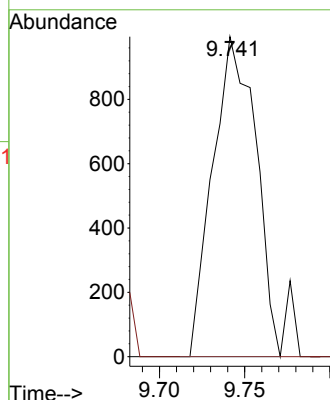
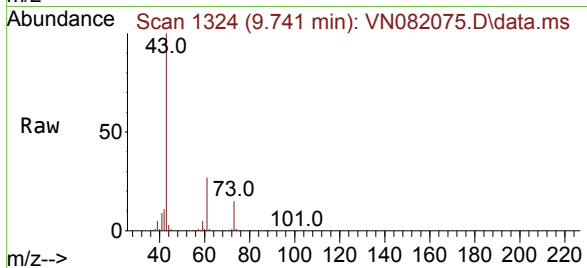
ClientSampleId :

Tgt Ion: 63 Resp: 1750

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



#48

Methyl methacrylate

Concen: 57.348 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN082075.D

Acq: 10 May 2024 17:21

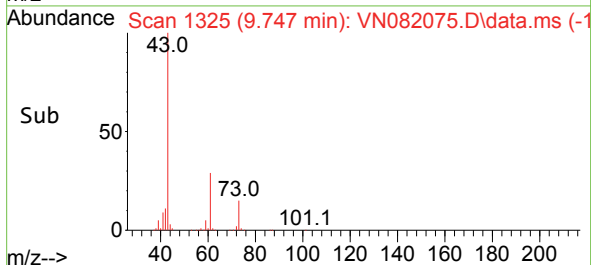
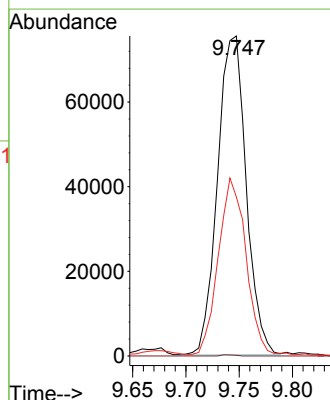
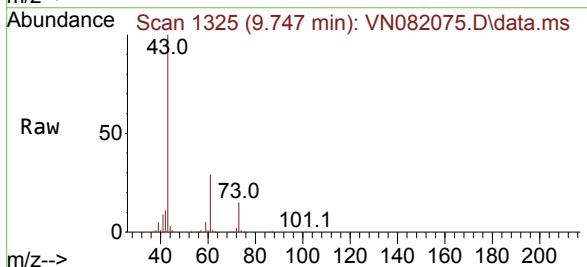
Tgt Ion: 41 Resp: 140977

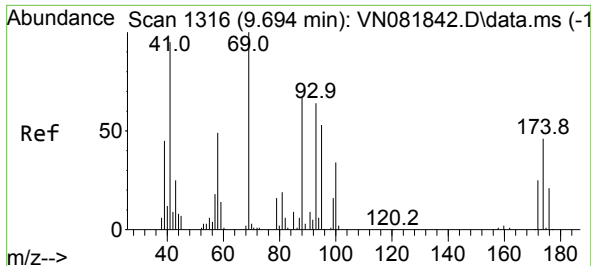
Ion Ratio Lower Upper

41 100

69 0.2 77.9 116.9#

39 55.0 50.9 76.3





#49

1,4-Dioxane

Concen: 1.579 ug/l

RT: 9.730 min Scan# 11

Delta R.T. 0.035 min

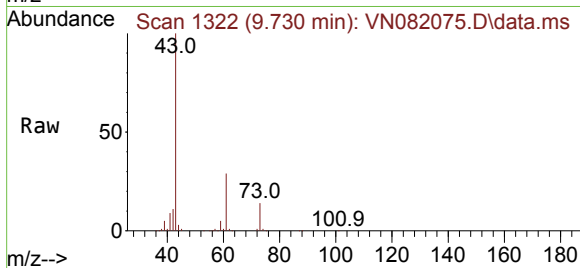
Lab File: VN082075.D

Acq: 10 May 2024 17:21

Instrument :

MSVOA_N

ClientSampleId :



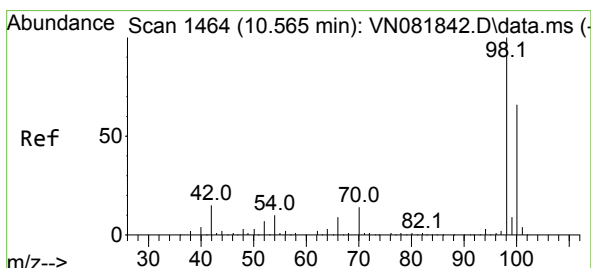
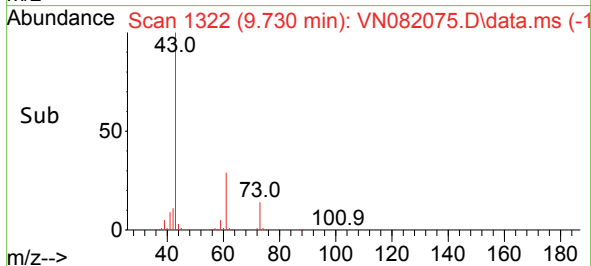
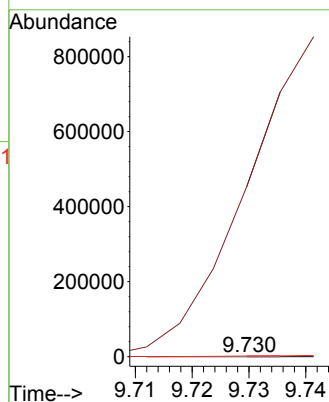
Tgt Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 2633305.1 19.0 28.6#

58 10245.8 50.6 76.0#



#50

Toluene-d8

Concen: 56.183 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN082075.D

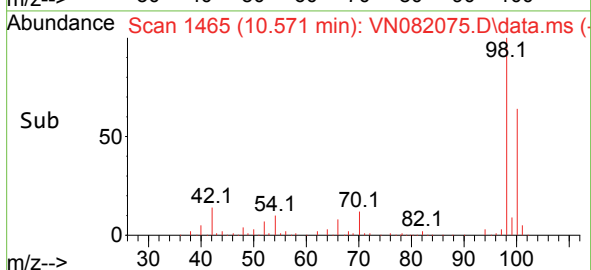
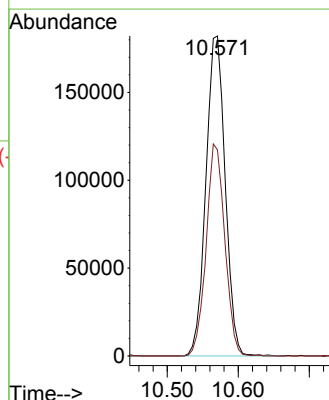
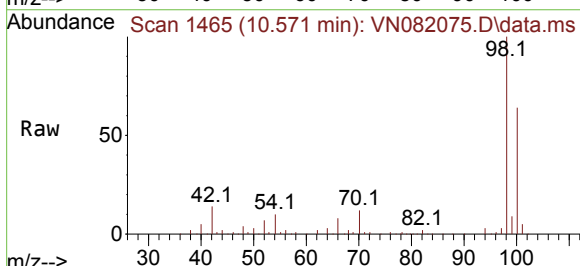
Acq: 10 May 2024 17:21

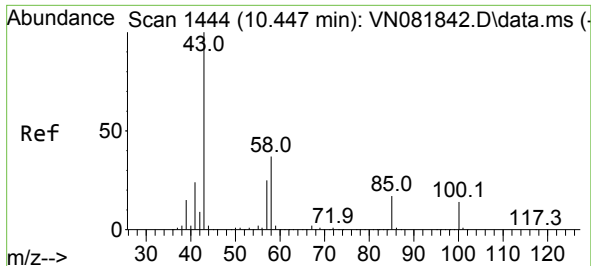
Tgt Ion: 98 Resp: 343546

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.6

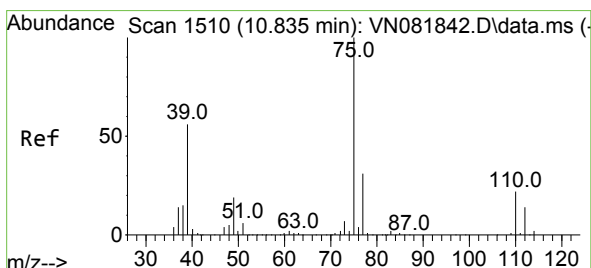
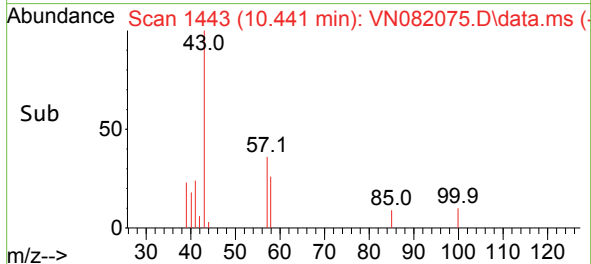
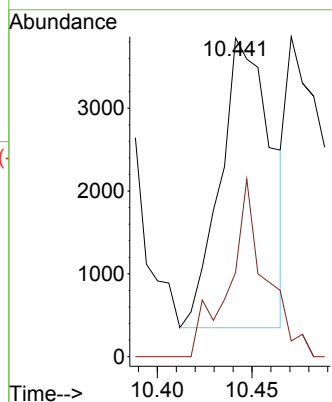
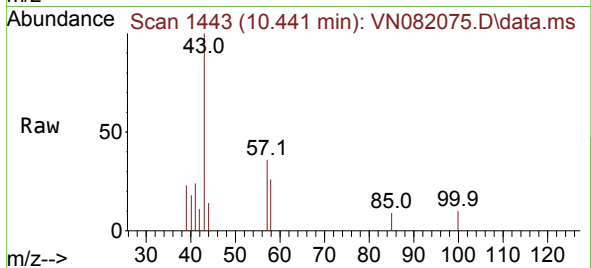




#51
4-Methyl-2-Pentanone
Concen: 2.251 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

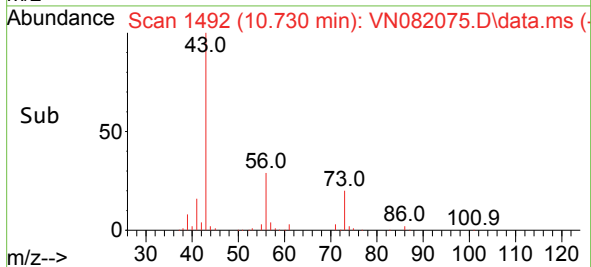
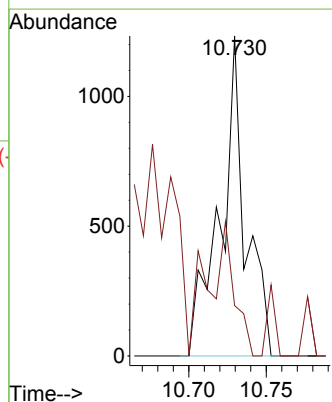
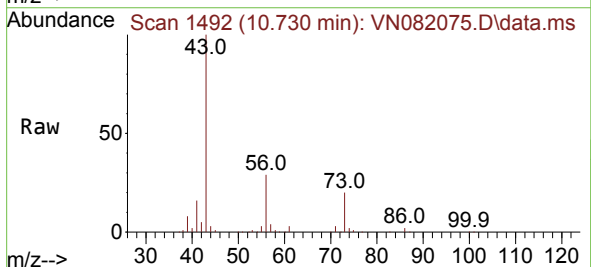
Instrument :
MSVOA_N
ClientSampleId :

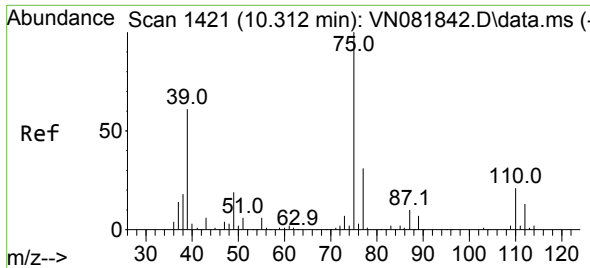
Tgt Ion: 43 Resp: 6525
Ion Ratio Lower Upper
43 100
58 44.0 33.2 49.8



#53
t-1,3-Dichloropropene
Concen: 0.439 ug/l
RT: 10.730 min Scan# 1492
Delta R.T. -0.106 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Tgt Ion: 75 Resp: 1386
Ion Ratio Lower Upper
75 100
77 15.7 25.4 38.0#

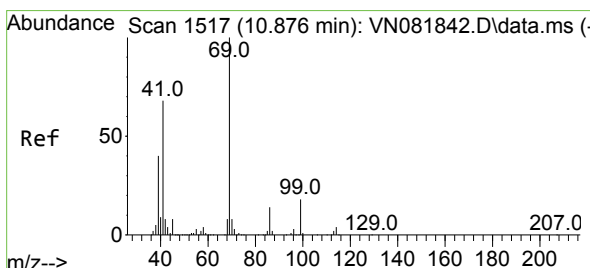
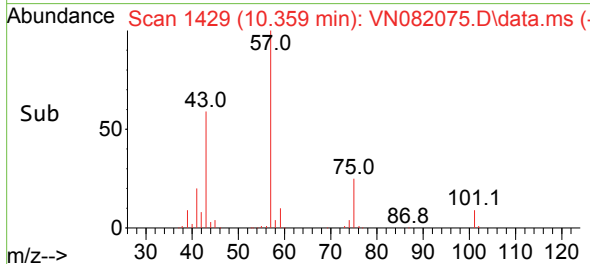
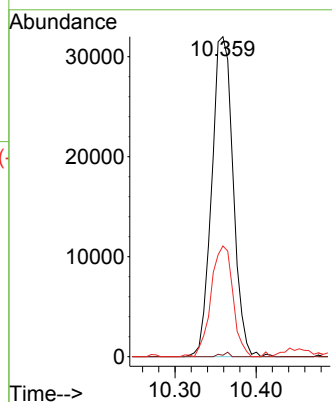
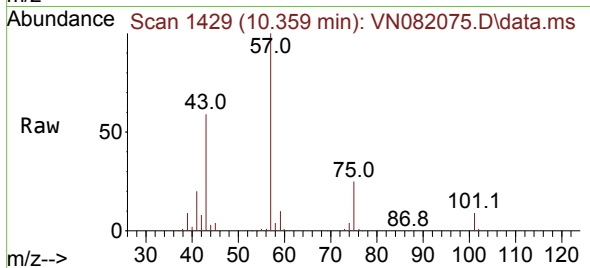




#54
cis-1,3-Dichloropropene
Concen: 17.999 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

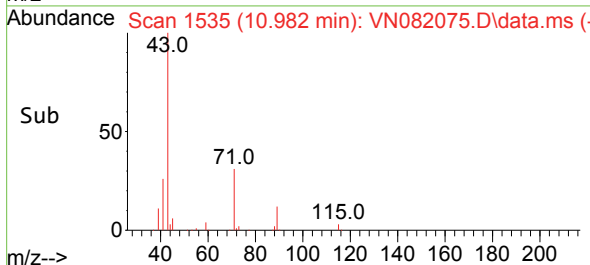
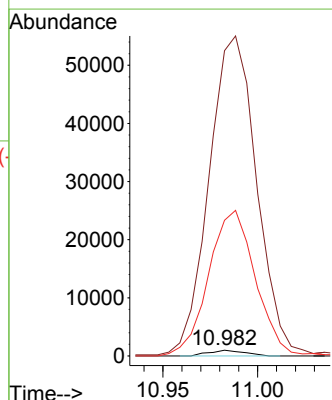
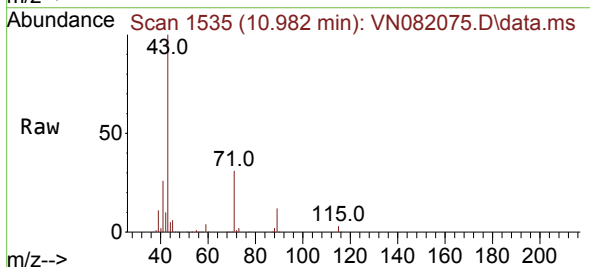
Instrument :
MSVOA_N
ClientSampleId :

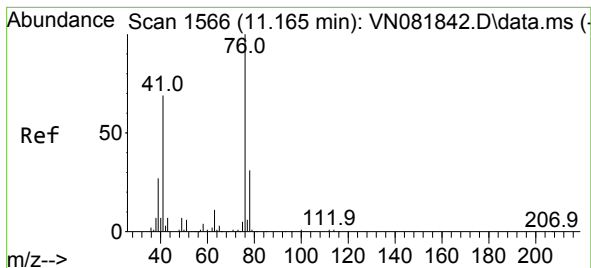
Tgt Ion: 75 Resp: 58551
Ion Ratio Lower Upper
75 100
77 0.5 25.0 37.4#
39 34.6 34.8 52.2#



#56
Ethyl methacrylate
Concen: 0.377 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Tgt Ion: 69 Resp: 1286
Ion Ratio Lower Upper
69 100
41 7566.9 46.6 70.0#
39 3365.3 26.5 39.7#





#57

1,3-Dichloropropane

Concen: 2.195 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

Lab File: VN082075.D

Acq: 10 May 2024 17:21

Instrument :

MSVOA_N

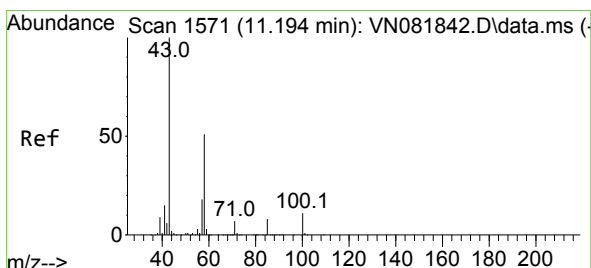
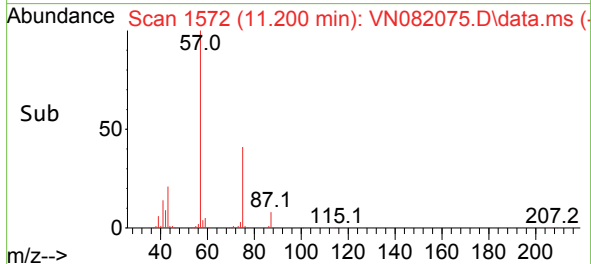
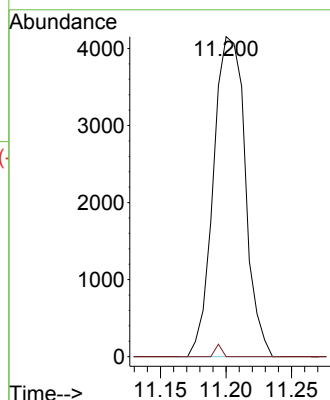
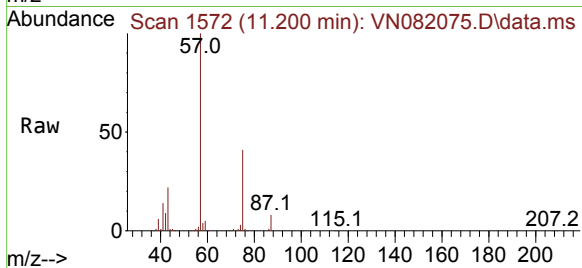
ClientSampleId :

Tgt Ion: 76 Resp: 6989

Ion Ratio Lower Upper

76 100

78 0.8 25.8 38.6#



#59

2-Hexanone

Concen: 48.306 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN082075.D

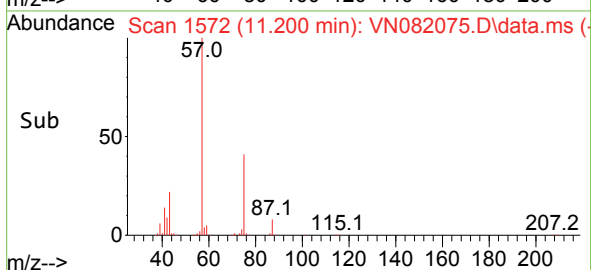
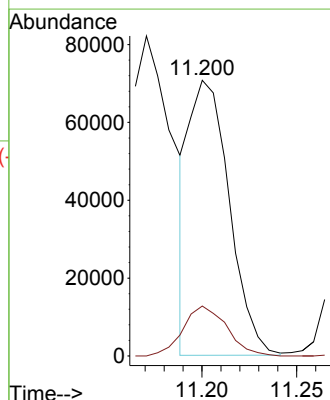
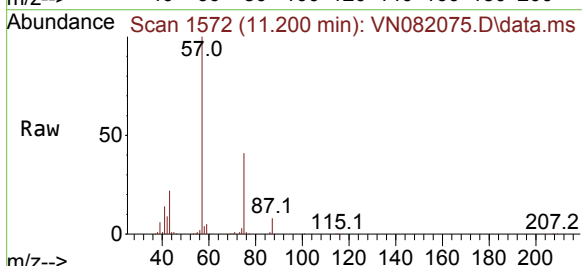
Acq: 10 May 2024 17:21

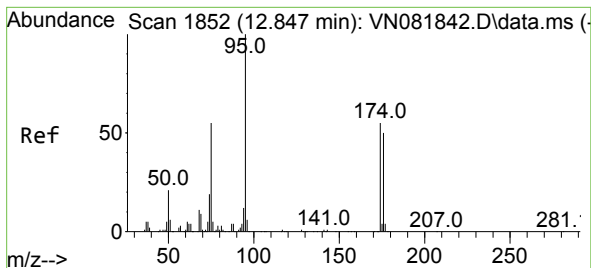
Tgt Ion: 43 Resp: 104211

Ion Ratio Lower Upper

43 100

58 19.9 28.3 84.9#

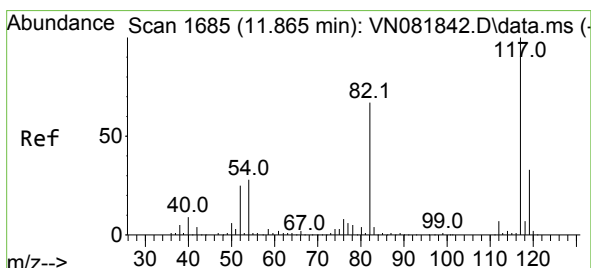
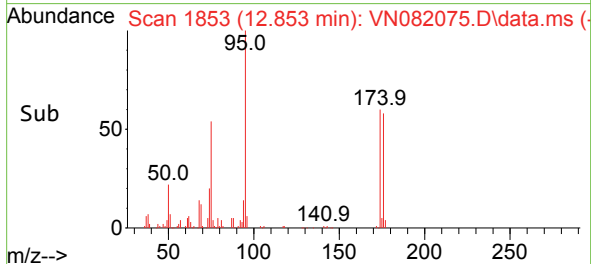
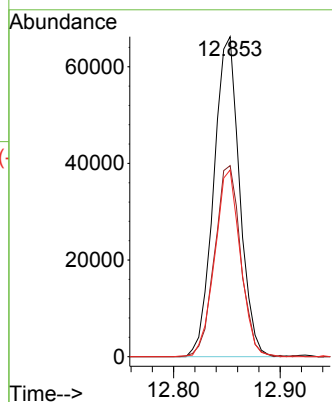
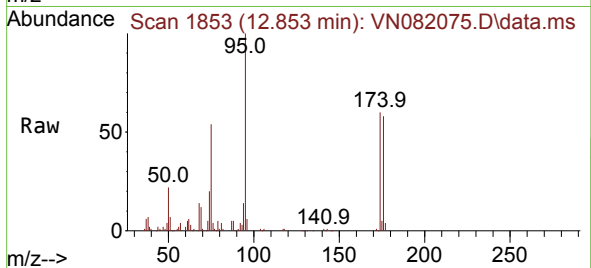




#62
4-Bromofluorobenzene
Concen: 46.082 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

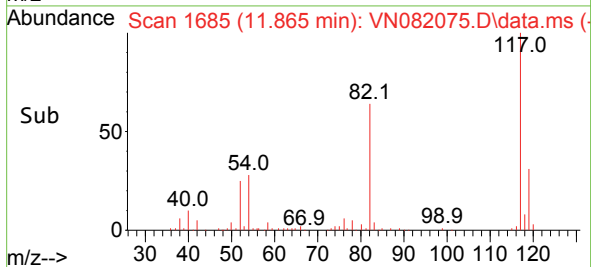
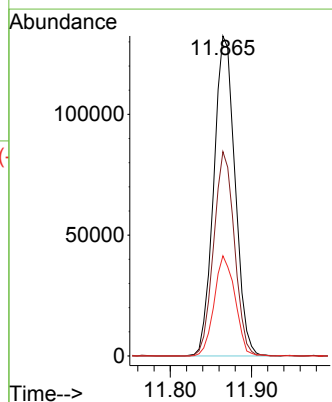
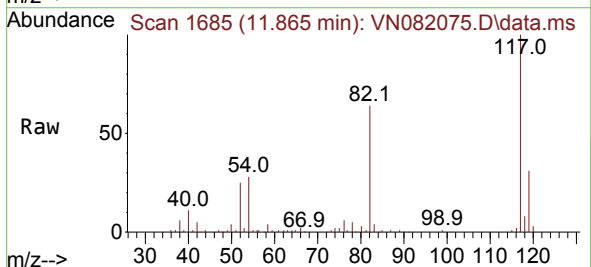
Instrument :
MSVOA_N
ClientSampleId :

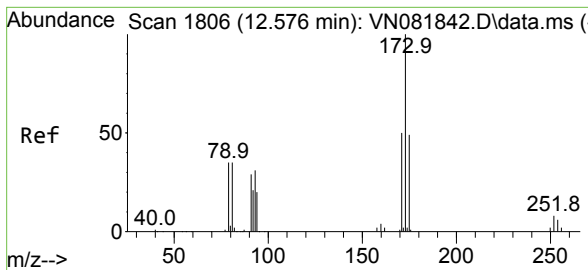
Tgt Ion: 95 Resp: 111389
Ion Ratio Lower Upper
95 100
174 60.2 0.0 160.6
176 58.0 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Tgt Ion: 117 Resp: 241382
Ion Ratio Lower Upper
117 100
82 63.8 44.6 66.8
119 31.3 25.9 38.9





#71

Bromoform

Concen: 0.433 ug/l

RT: 12.841 min Scan# 1806

Delta R.T. 0.265 min

Lab File: VN082075.D

Acq: 10 May 2024 17:21

Instrument :

MSVOA_N

ClientSampleId :

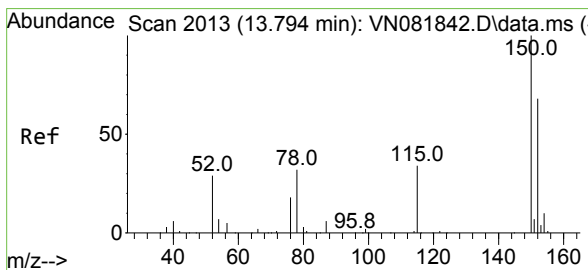
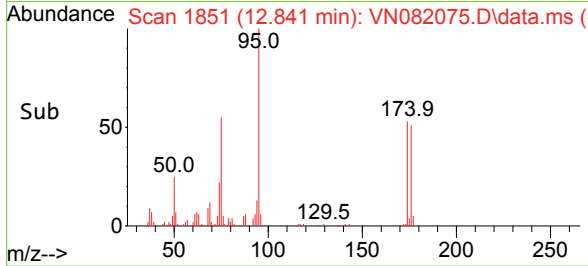
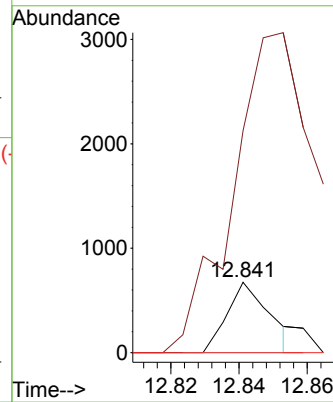
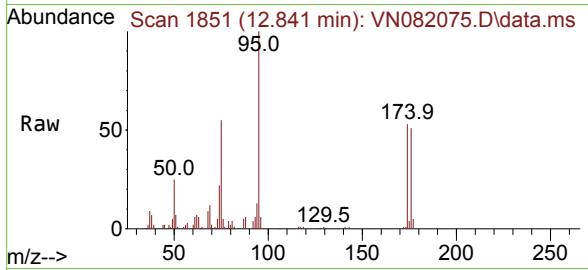
Tgt Ion:173 Resp: 583

Ion Ratio Lower Upper

173 100

175 0.0 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: VN082075.D

Acq: 10 May 2024 17:21

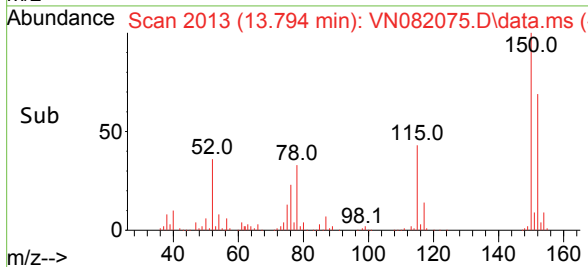
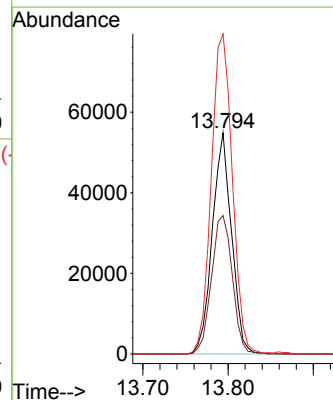
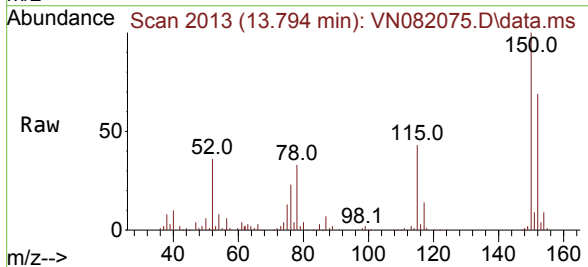
Tgt Ion:152 Resp: 86196

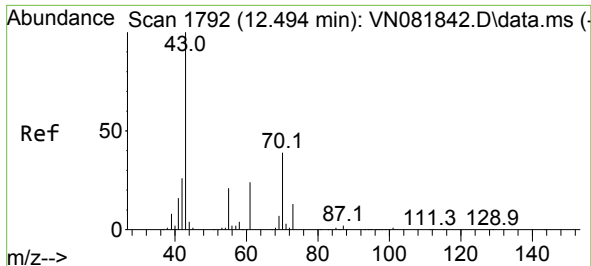
Ion Ratio Lower Upper

152 100

115 67.6 30.4 91.3

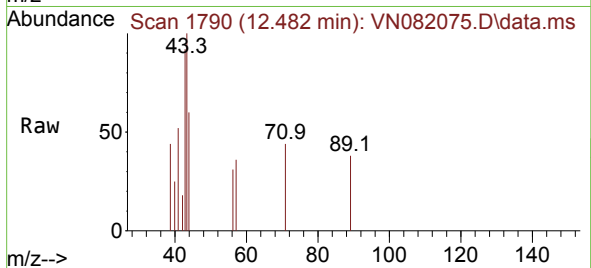
150 158.0 0.0 353.2



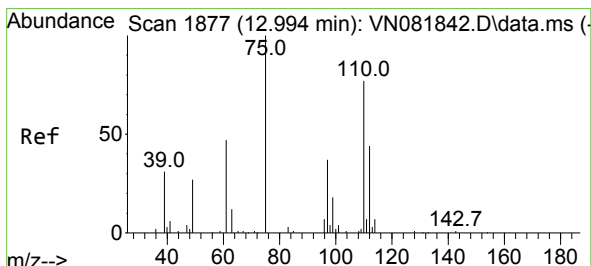
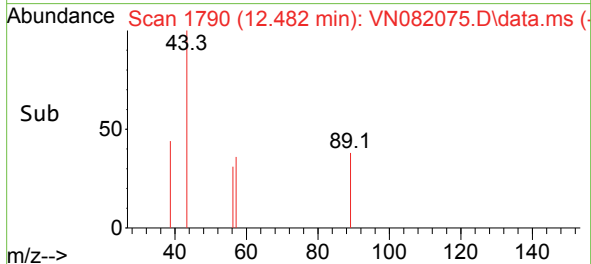
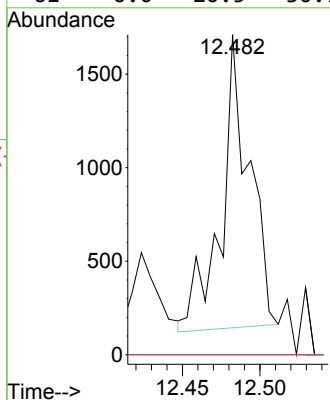


#74
N-ethyl acetate
Concen: 0.459 ug/l
RT: 12.482 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

Instrument :
MSVOA_N
ClientSampleId :

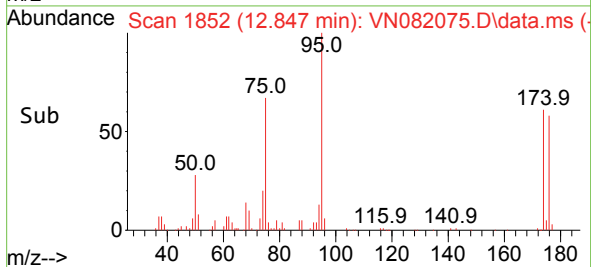
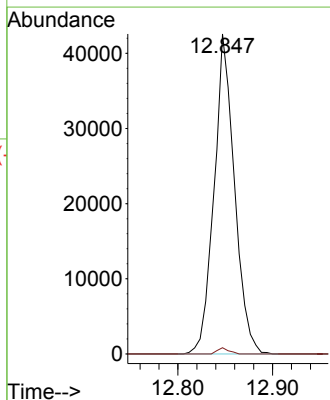
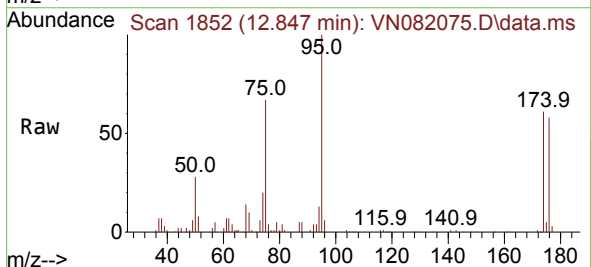


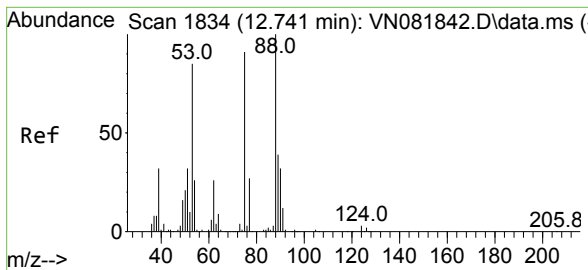
Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.3 31.9#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 28.550 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082075.D
Acq: 10 May 2024 17:21

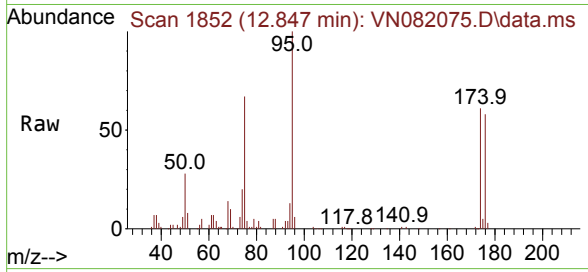
Tgt Ion: 75 Resp: 63806
Ion Ratio Lower Upper
75 100
77 1.1 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.503 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN082075.D
 Acq: 10 May 2024 17:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	72.9	109.3#
89	0.2	39.1	58.7#

