

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050924\
 Data File : VN082049.D
 Acq On : 09 May 2024 14:34
 Operator : JC\MD
 Sample : PB160759ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 03:51:30 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)

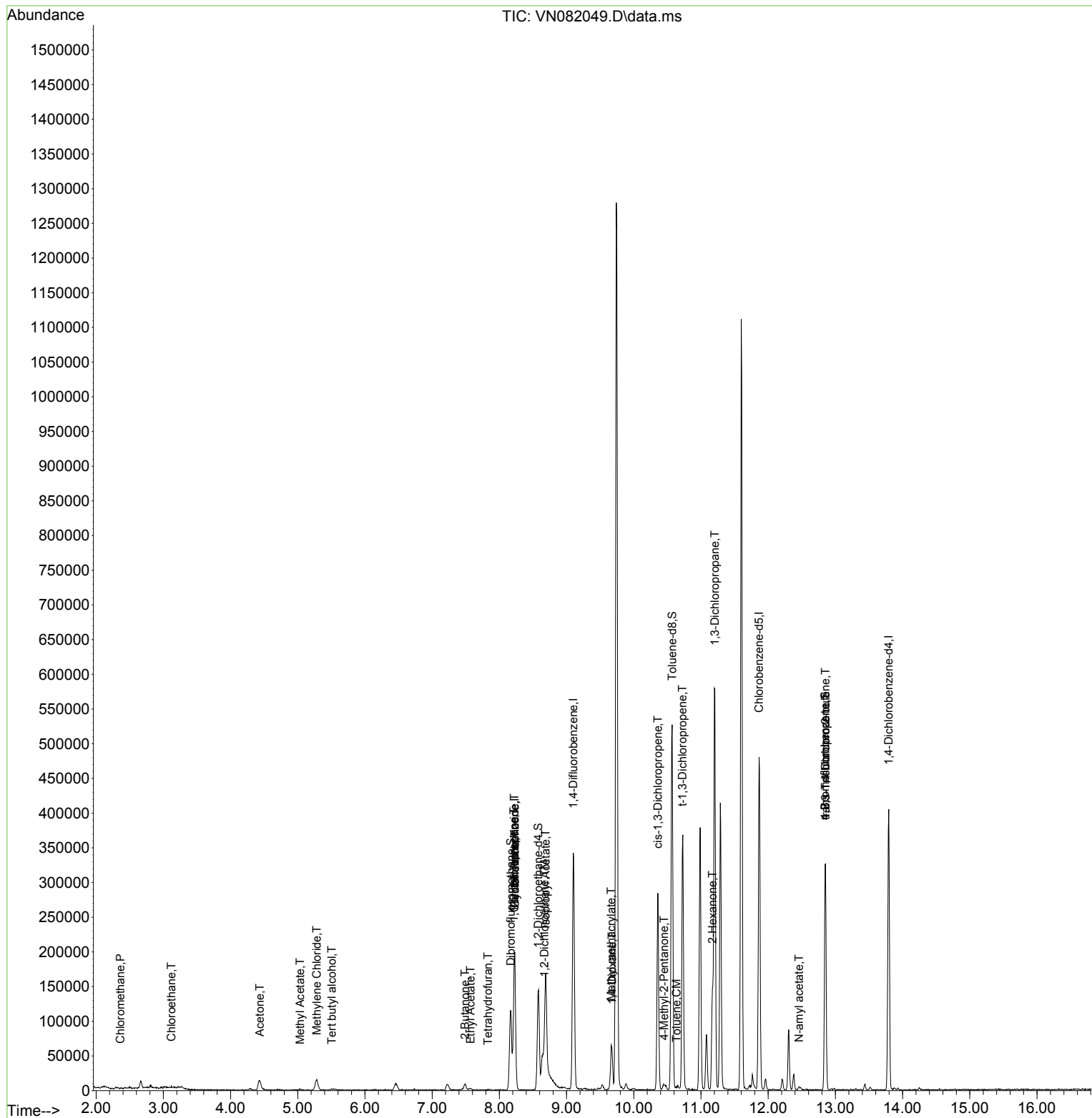
Internal Standards						
1) Pentafluorobenzene	8.230	168	129891	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	271526	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	92522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114173	52.081	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.160%	
35) Dibromofluoromethane	8.171	113	83172	50.875	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.760%	
50) Toluene-d8	10.571	98	349205	54.388	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 108.780%	
62) 4-Bromofluorobenzene	12.847	95	115439	45.482	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 90.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	452	0.238	ug/l	# 43
5) Bromomethane	2.977	94	378	Below Cal	#	3
6) Chloroethane	3.118	64	227	0.261	ug/l	# 44
11) Tert butyl alcohol	5.506	59	1728	4.336	ug/l	# 81
13) Acrolein	4.159	56	74	Below Cal	#	15
16) Acetone	4.436	43	27545	37.851	ug/l	94
18) Methyl Acetate	5.036	43	1717	0.773	ug/l	# 65
20) Methylene Chloride	5.283	84	10044	5.346	ug/l	90
25) 2-Butanone	7.488	43	14744	11.850	ug/l	# 87
29) Tetrahydrofuran	7.830	42	442	0.495	ug/l	# 42
31) Cyclohexane	8.230	56	4338	1.314	ug/l	# 5
36) 1,1-Dichloropropene	8.218	75	14461	5.437	ug/l	# 45
37) Ethyl Acetate	7.571	43	4334	1.507	ug/l	# 78
38) Carbon Tetrachloride	8.224	117	15446	5.942	ug/l	# 12
42) 1,2-Dichloroethane	8.671	62	1195	0.403	ug/l	# 73
43) Isopropyl Acetate	8.688	43	251362	46.488	ug/l	# 72
48) Methyl methacrylate	9.665	41	5673	2.198	ug/l	# 35
49) 1,4-Dioxane	9.677	88	53	1.351	ug/l	# 28
51) 4-Methyl-2-Pentanone	10.453	43	6824	2.242	ug/l	95
52) Toluene	10.635	92	1235	0.258	ug/l	98
53) t-1,3-Dichloropropene	10.724	75	886	0.267	ug/l	# 49
54) cis-1,3-Dichloropropene	10.359	75	50410	14.758	ug/l	# 70
57) 1,3-Dichloropropane	11.206	76	5955	1.781	ug/l	# 42
59) 2-Hexanone	11.171	43	121065	53.445	ug/l	# 23
74) N-amyl acetate	12.459	43	4321	0.943	ug/l	# 39
76) 1,2,3-Trichloropropane	12.853	75	66404	27.681	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.853	75	66404	56.722	ug/l	# 13

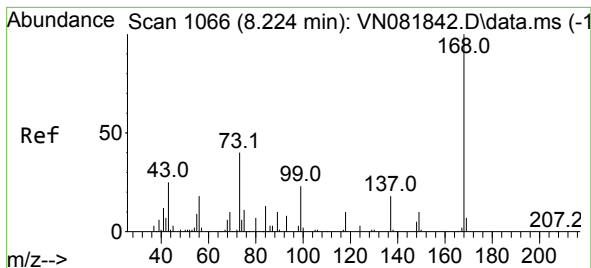
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082049.D

Acq: 09 May 2024 14:34

Instrument :

MSVOA_N

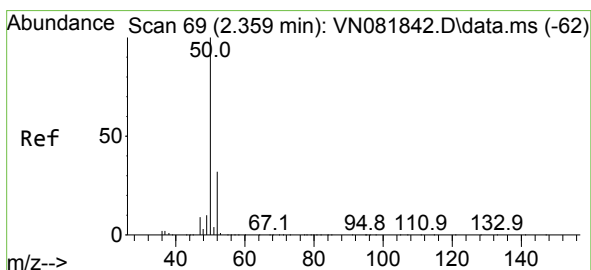
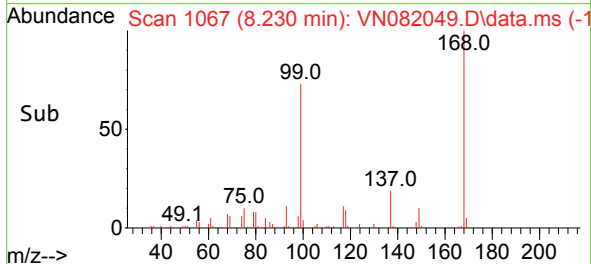
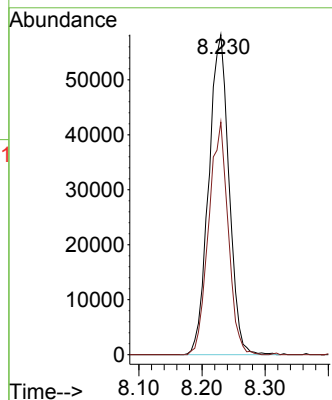
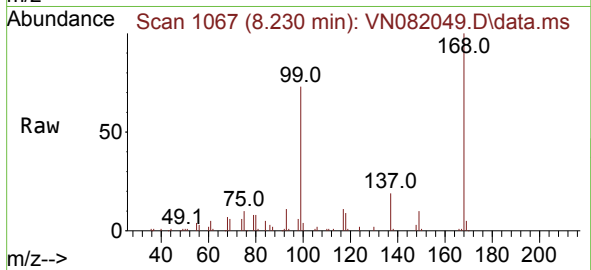
ClientSampleId :

Tgt Ion:168 Resp: 129891

Ion Ratio Lower Upper

168 100

99 72.7 48.2 72.4#



#3

Chloromethane

Concen: 0.238 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN082049.D

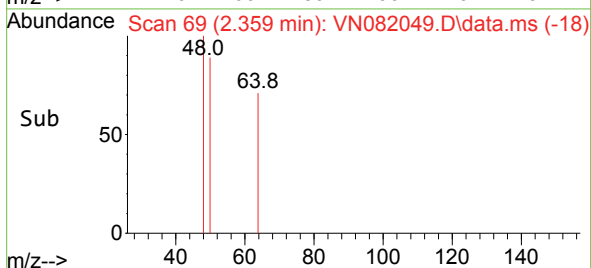
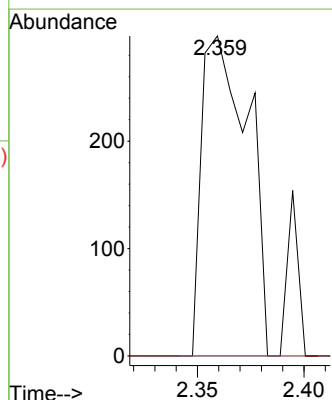
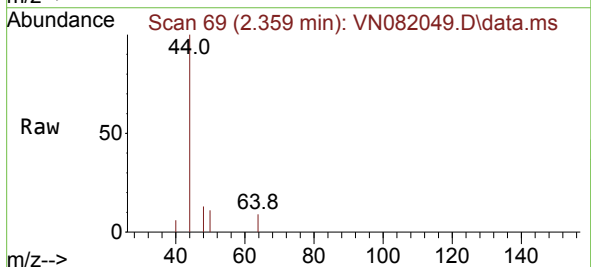
Acq: 09 May 2024 14:34

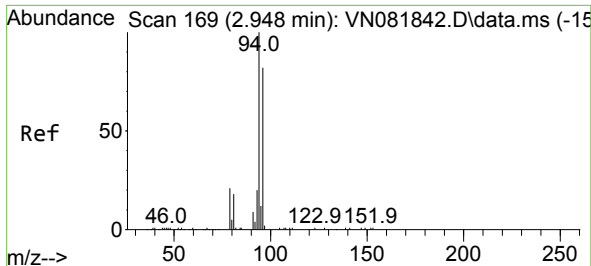
Tgt Ion: 50 Resp: 452

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#

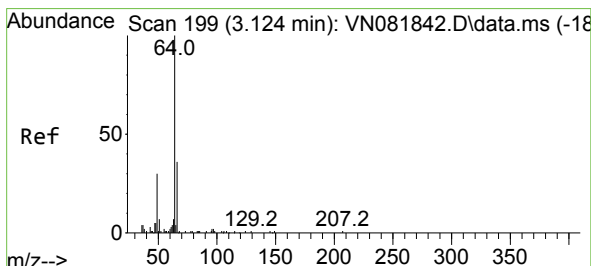
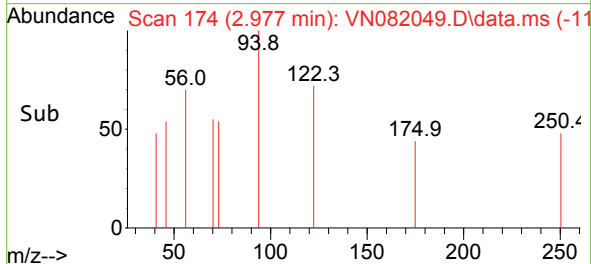
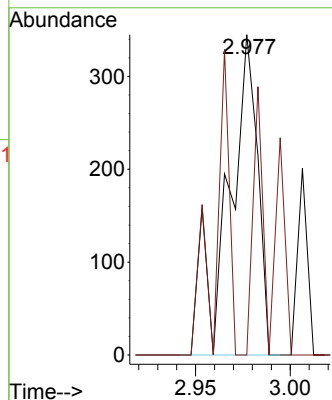
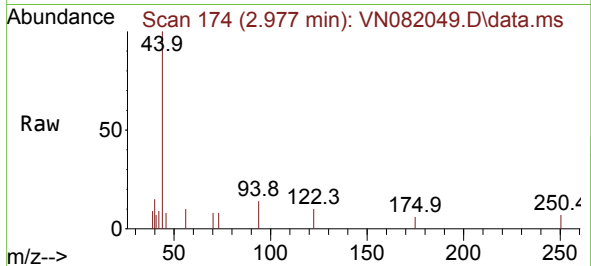




#5
Bromomethane
Concen: Below Cal
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

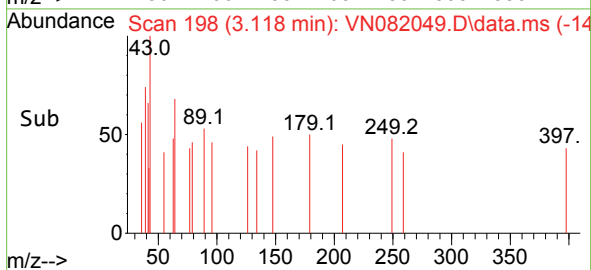
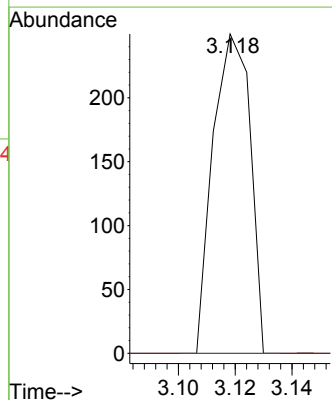
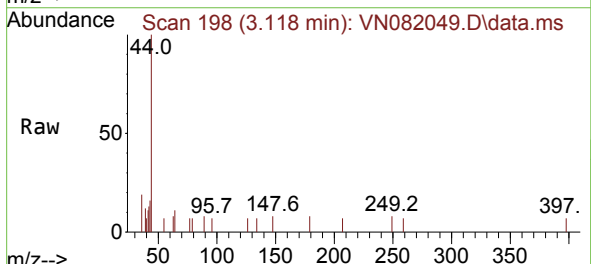
Instrument :
MSVOA_N
ClientSampleId :

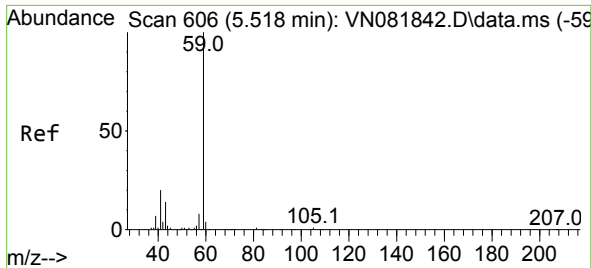
Tgt Ion: 94 Resp: 378
Ion Ratio Lower Upper
94 100
96 0.0 74.8 112.2#



#6
Chloroethane
Concen: 0.261 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

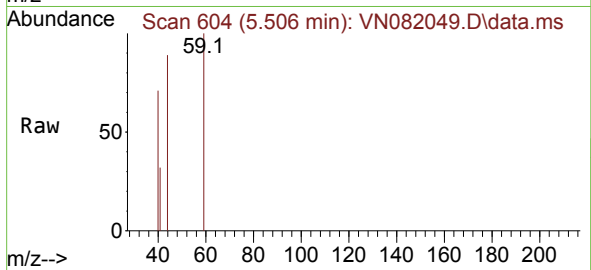
Tgt Ion: 64 Resp: 227
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



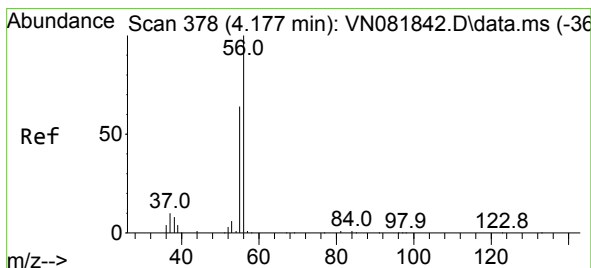
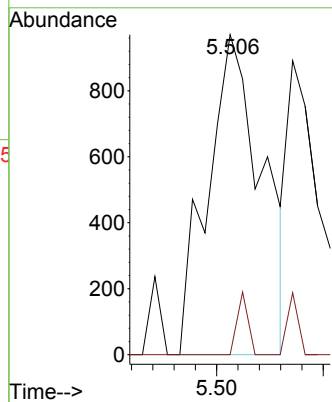
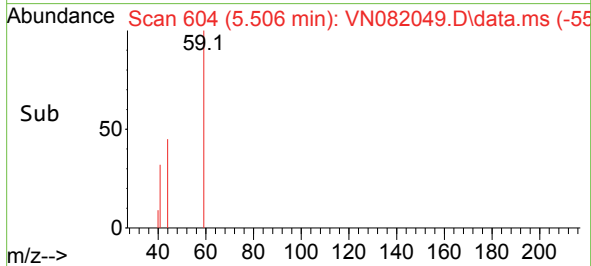


#11
Tert butyl alcohol
Concen: 4.336 ug/l
RT: 5.506 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

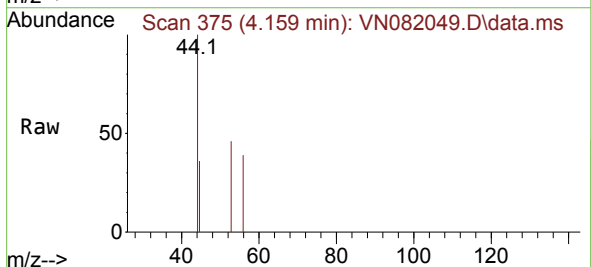
Instrument :
MSVOA_N
ClientSampleId :



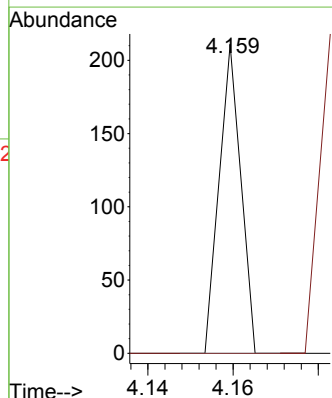
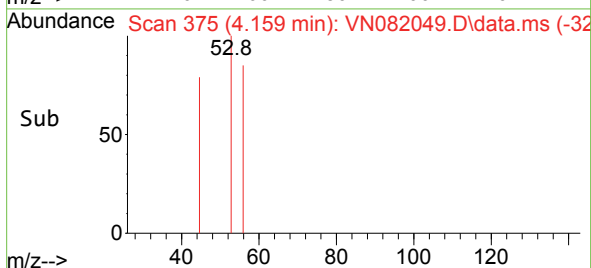
Tgt Ion: 59 Resp: 1728
Ion Ratio Lower Upper
59 100
57 3.9 8.9 13.3#

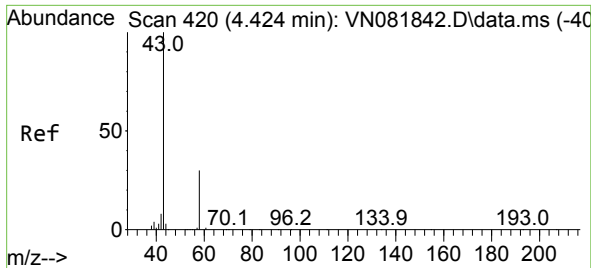


#13
Acrolein
Concen: Below Cal
RT: 4.159 min Scan# 375
Delta R.T. -0.018 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34



Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

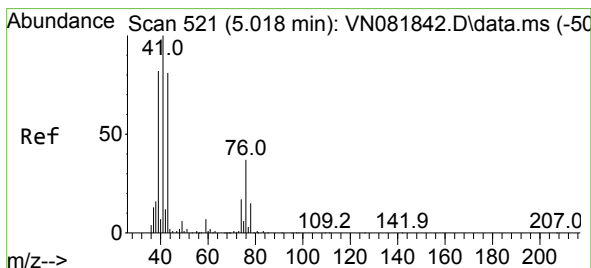
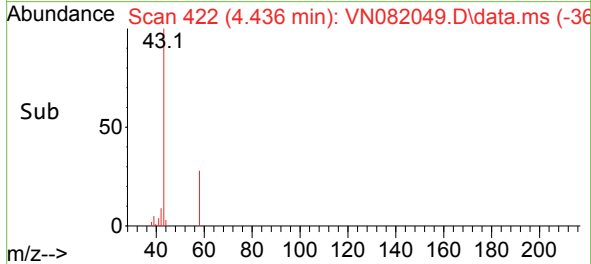
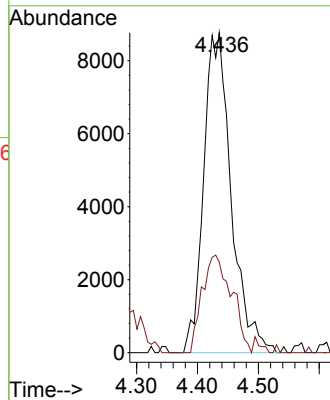
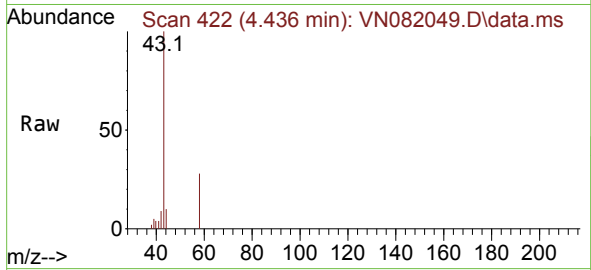




#16
Acetone
Concen: 37.851 ug/l
RT: 4.436 min Scan# 431
Delta R.T. 0.012 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

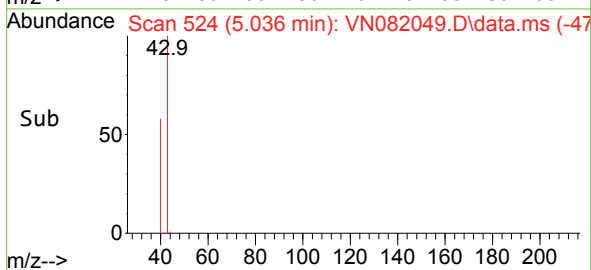
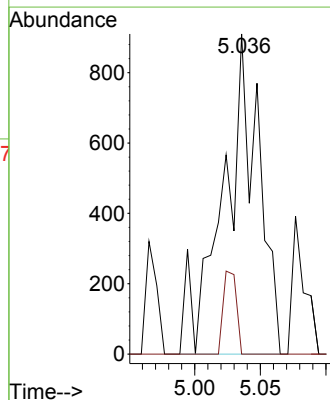
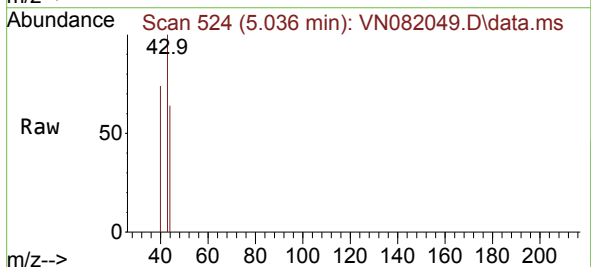
Instrument :
MSVOA_N
ClientSampleId :

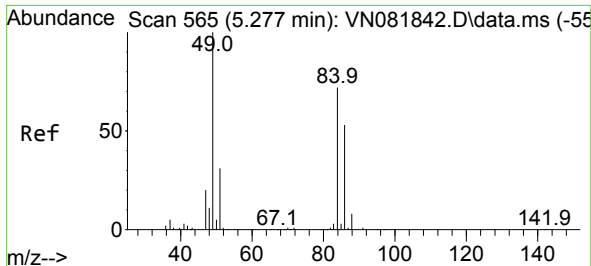
Tgt Ion: 43 Resp: 27545
Ion Ratio Lower Upper
43 100
58 28.3 25.2 37.8



#18
Methyl Acetate
Concen: 0.773 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

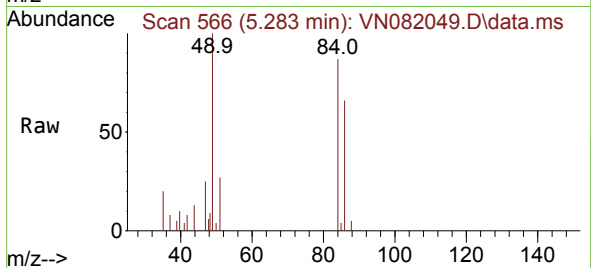
Tgt Ion: 43 Resp: 1717
Ion Ratio Lower Upper
43 100
74 9.5 22.2 33.2#



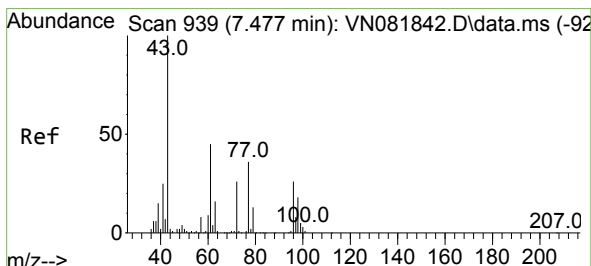
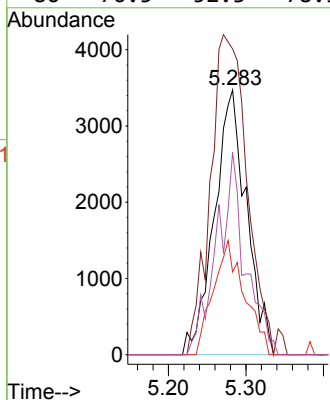
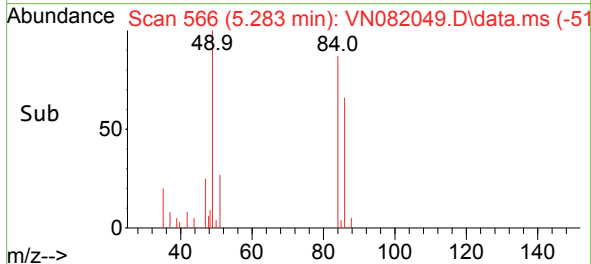


#20
Methylene Chloride
Concen: 5.346 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

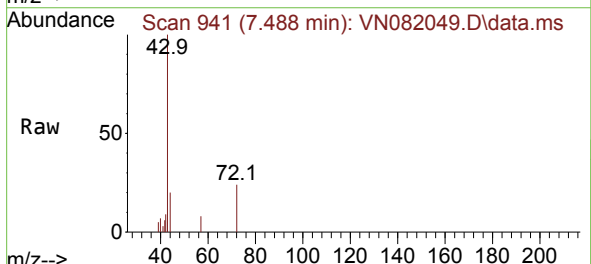
Instrument :
MSVOA_N
ClientSampleId :



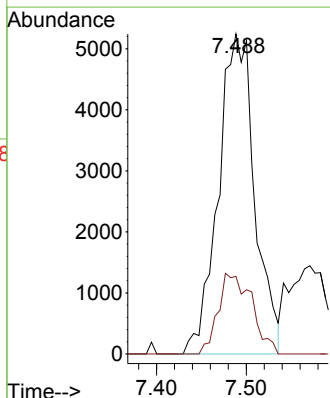
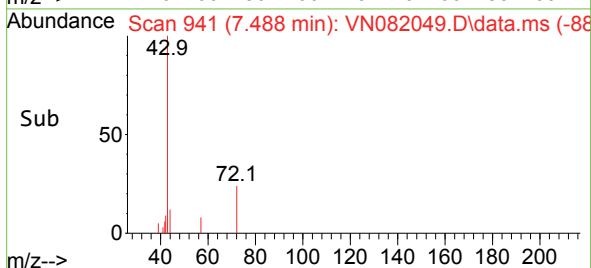
Tgt Ion:	84	Resp:	10044
Ion	Ratio	Lower	Upper
84	100		
49	115.6	84.9	127.3
51	31.3	27.0	40.6
86	76.5	52.3	78.5

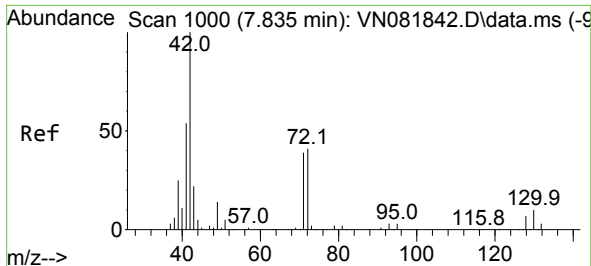


#25
2-Butanone
Concen: 11.850 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34



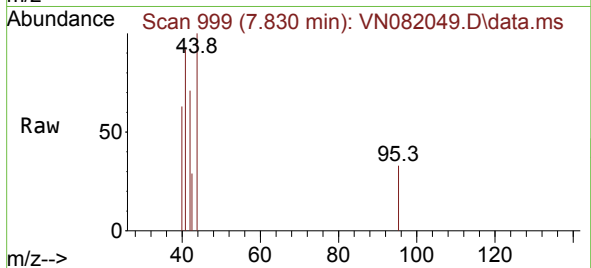
Tgt Ion:	43	Resp:	14744
Ion	Ratio	Lower	Upper
43	100		
72	24.3	25.3	37.9#



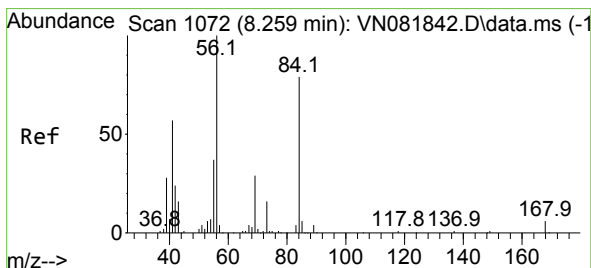
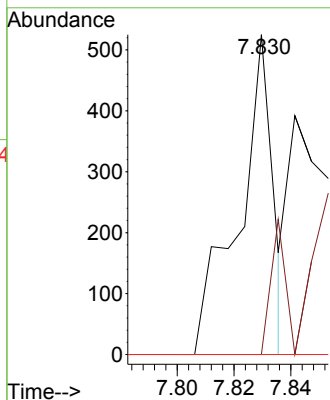
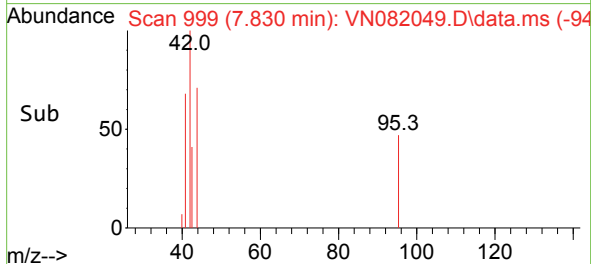


#29
Tetrahydrofuran
Concen: 0.495 ug/l
RT: 7.830 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

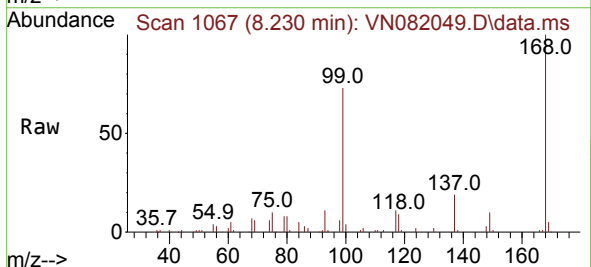
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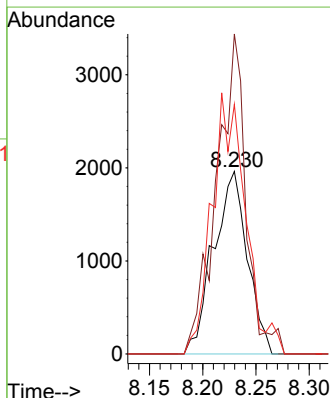
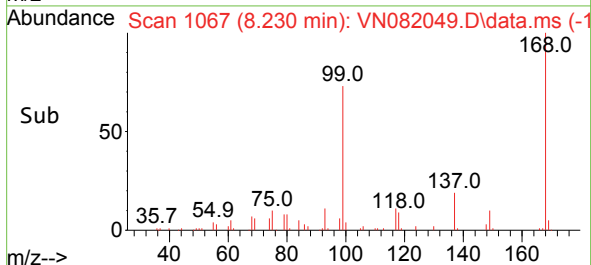
Tgt Ion: 42 Resp: 442
Ion Ratio Lower Upper
42 100
72 17.6 39.3 58.9#
71 0.0 37.4 56.0#

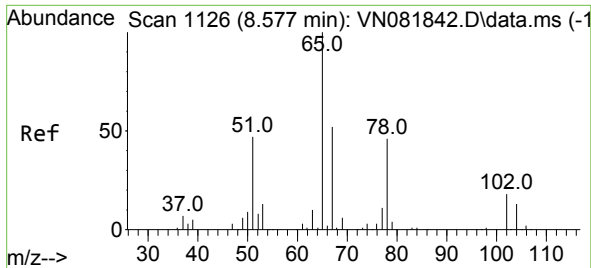


#31
Cyclohexane
Concen: 1.314 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34



Tgt Ion: 56 Resp: 4338
Ion Ratio Lower Upper
56 100
69 175.3 24.4 36.6#
84 136.7 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 52.081 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN082049.D

Acq: 09 May 2024 14:34

Instrument :

MSVOA_N

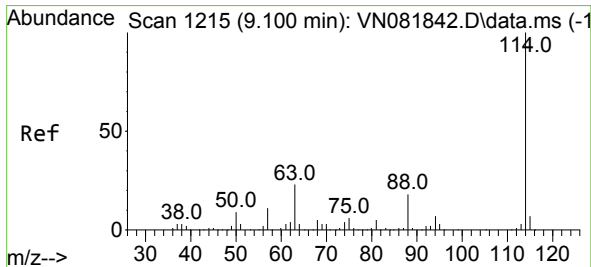
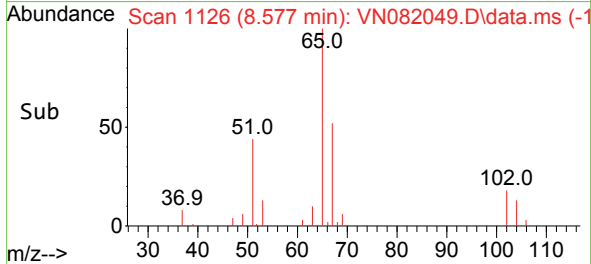
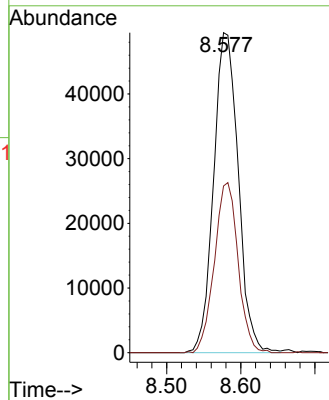
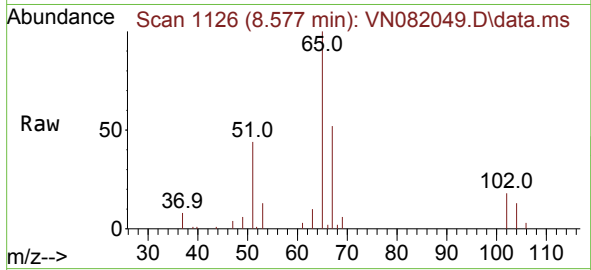
ClientSampleId :

Tgt Ion: 65 Resp: 114173

Ion Ratio Lower Upper

65 100

67 51.2 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: VN082049.D

Acq: 09 May 2024 14:34

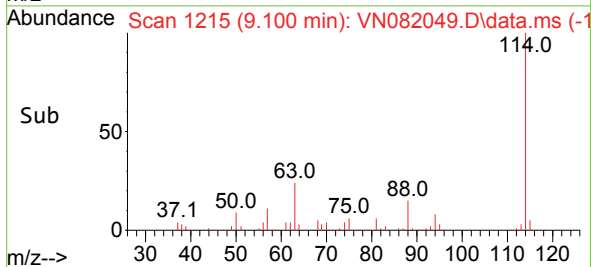
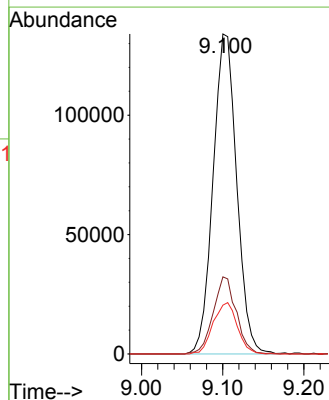
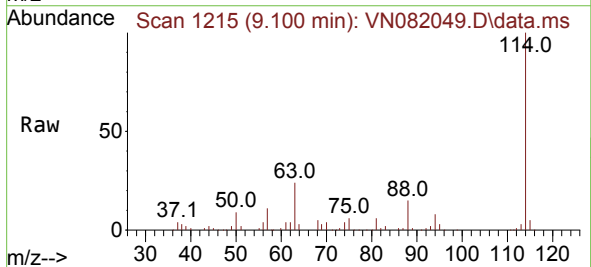
Tgt Ion: 114 Resp: 271526

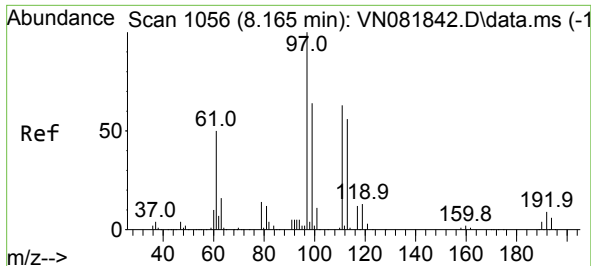
Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.0

88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.875 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

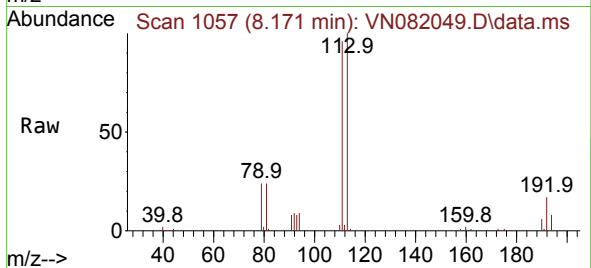
Lab File: VN082049.D

Acq: 09 May 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :



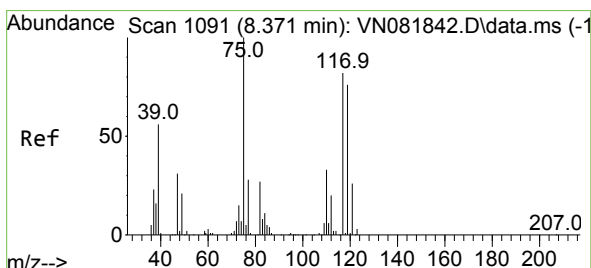
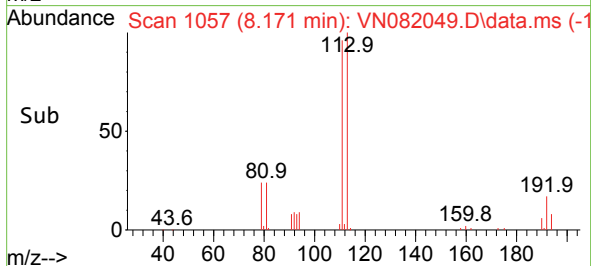
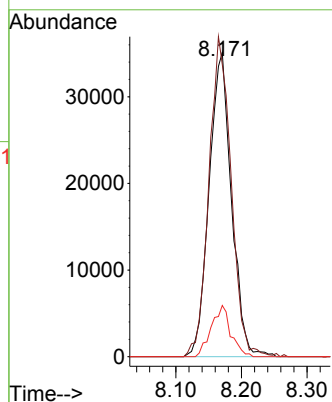
Tgt Ion:113 Resp: 83172

Ion Ratio Lower Upper

113 100

111 104.3 83.4 125.2

192 14.7 14.0 21.0



#36

1,1-Dichloropropene

Concen: 5.437 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN082049.D

Acq: 09 May 2024 14:34

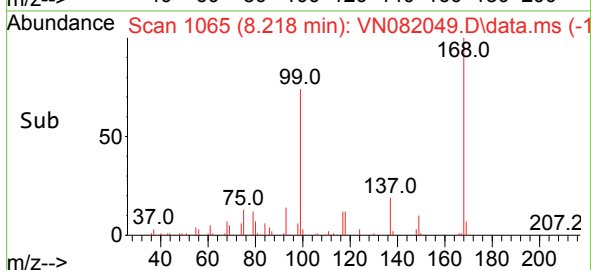
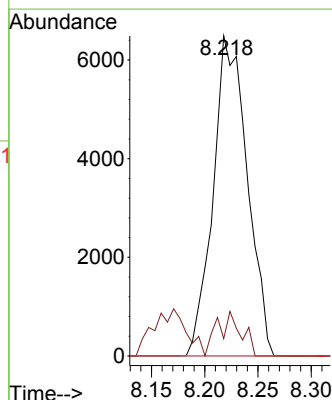
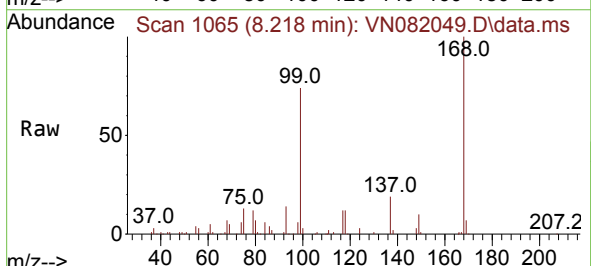
Tgt Ion: 75 Resp: 14461

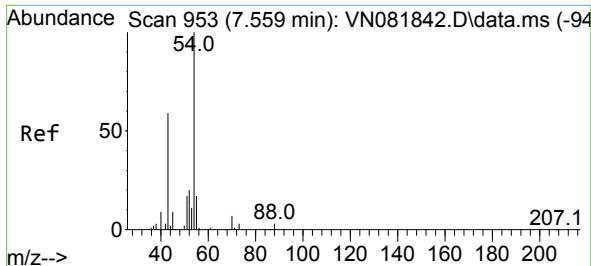
Ion Ratio Lower Upper

75 100

110 3.9 17.8 53.5#

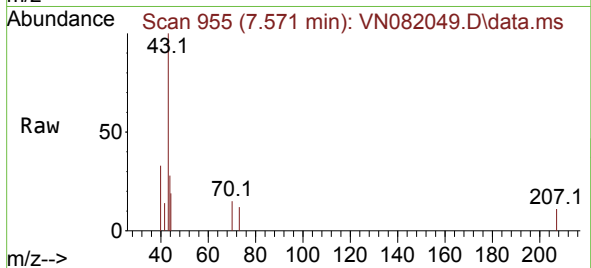
77 0.0 25.0 37.4#



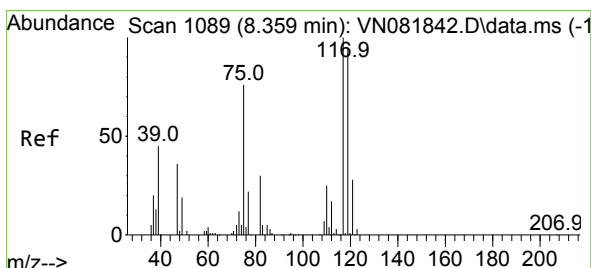
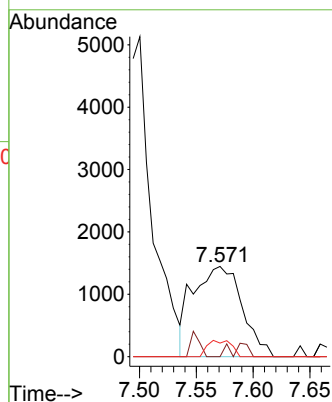
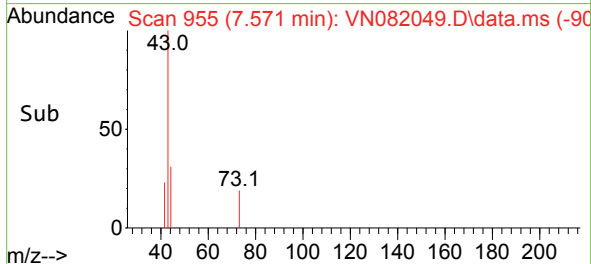


#37
Ethyl Acetate
Concen: 1.507 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

Instrument :
MSVOA_N
ClientSampleId :

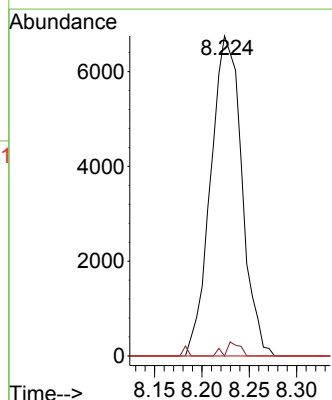
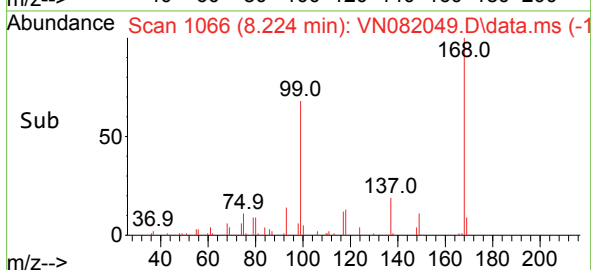
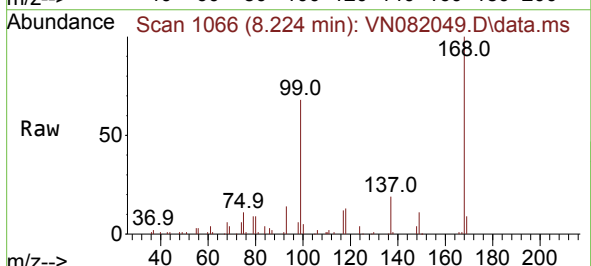


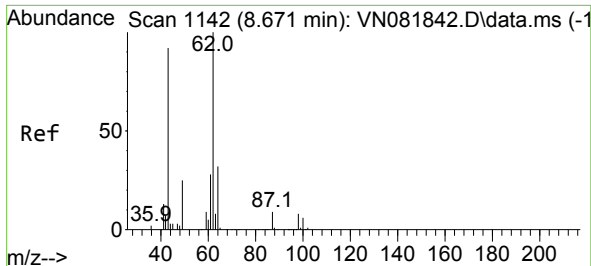
Tgt Ion: 43 Resp: 4334
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 8.8 8.7 13.1



#38
Carbon Tetrachloride
Concen: 5.942 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

Tgt Ion: 117 Resp: 15446
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.403 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN082049.D

Acq: 09 May 2024 14:34

Instrument :

MSVOA_N

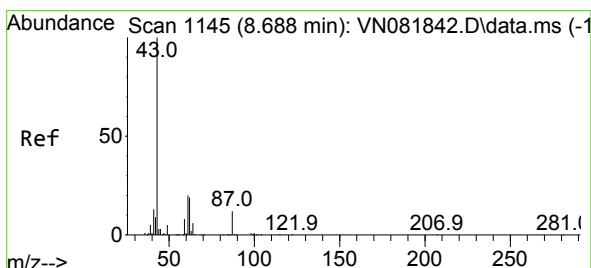
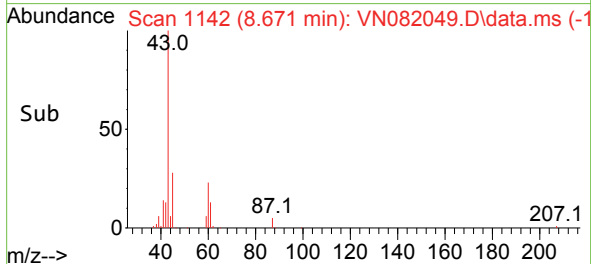
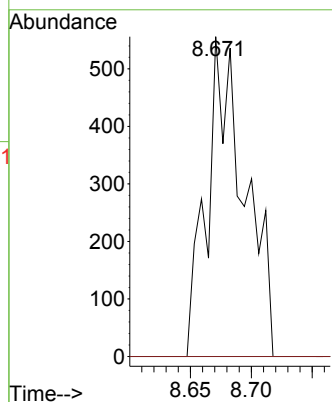
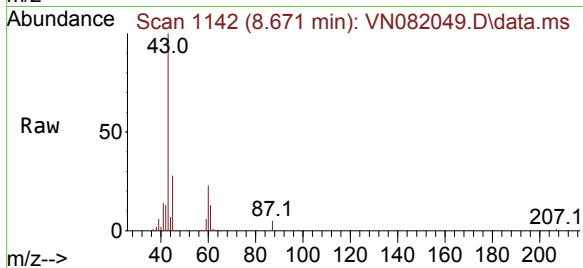
ClientSampleId :

Tgt Ion: 62 Resp: 1195

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 46.488 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN082049.D

Acq: 09 May 2024 14:34

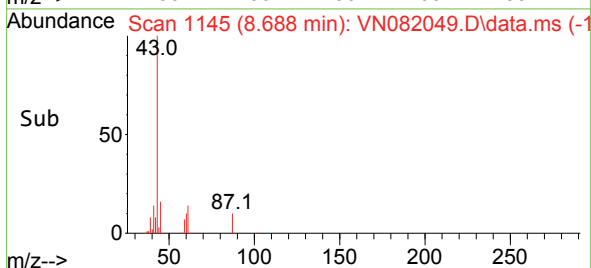
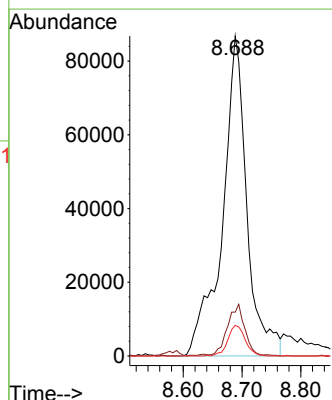
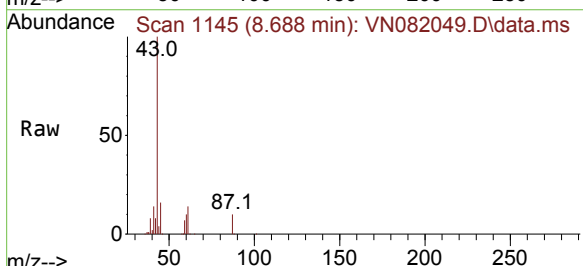
Tgt Ion: 43 Resp: 251362

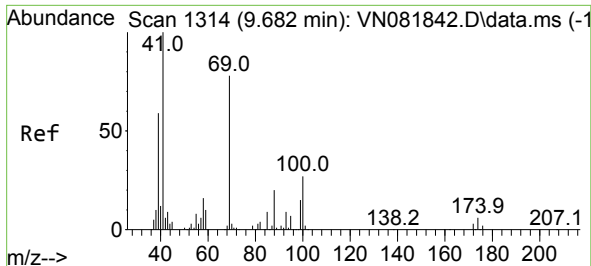
Ion Ratio Lower Upper

43 100

61 11.6 22.8 34.2#

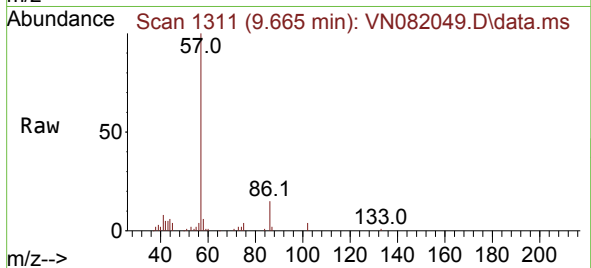
87 6.7 12.0 18.0#



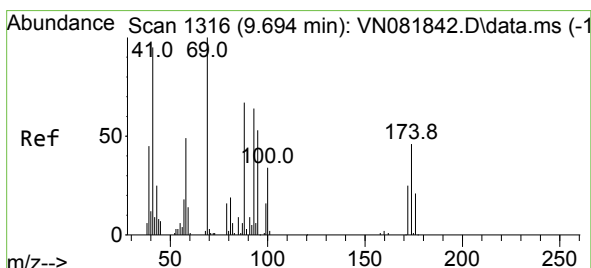
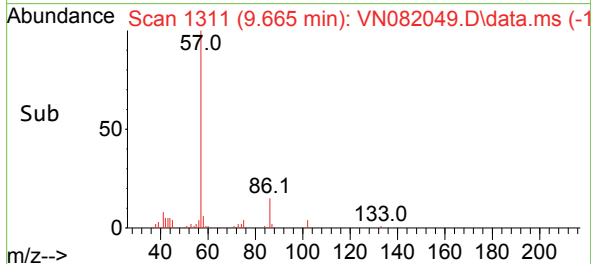
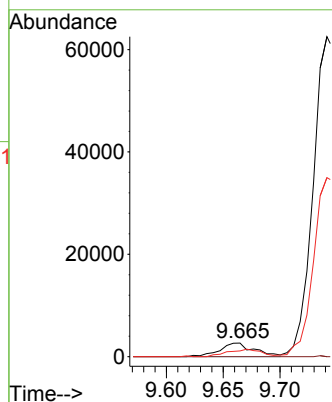


#48
Methyl methacrylate
Concen: 2.198 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

Instrument :
MSVOA_N
ClientSampleId :

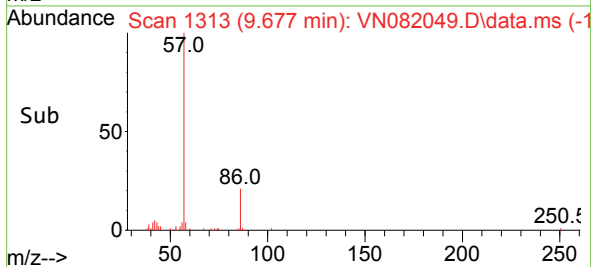
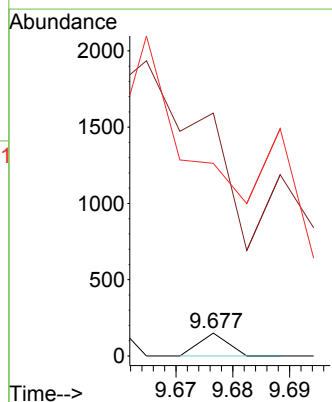
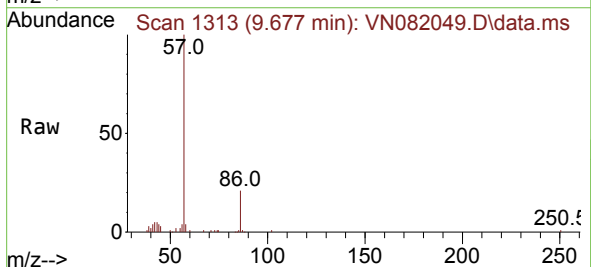


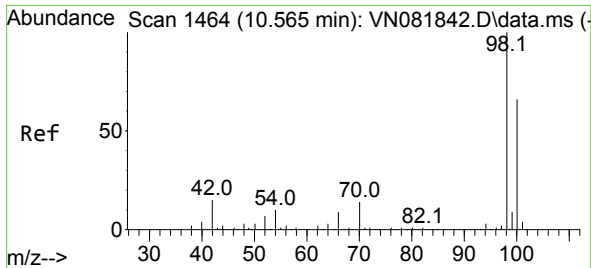
Tgt Ion: 41 Resp: 5673
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 52.4 50.9 76.3



#49
1,4-Dioxane
Concen: 1.351 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.018 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 50.6 76.0#

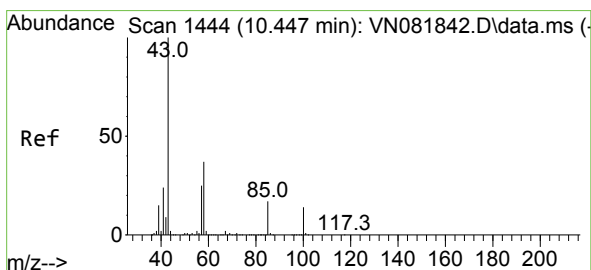
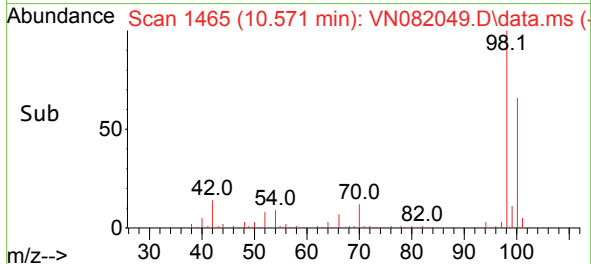
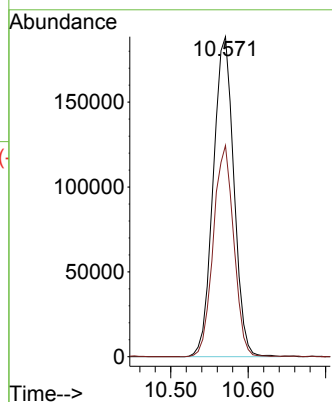
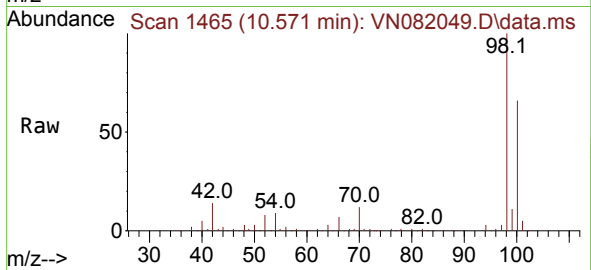




#50
Toluene-d8
Concen: 54.388 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

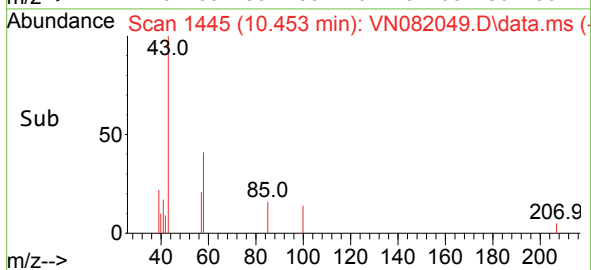
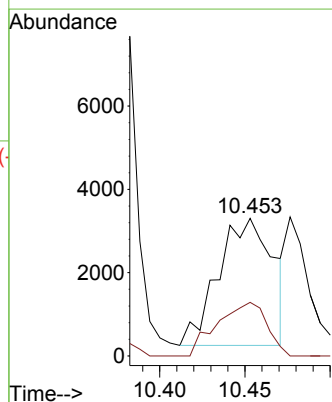
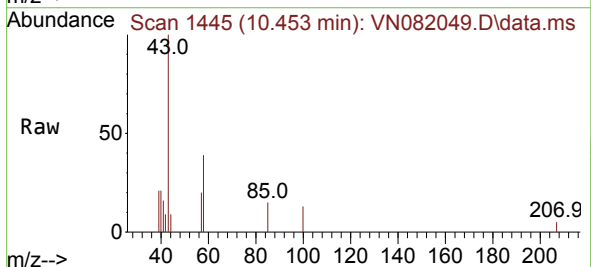
Instrument :
MSVOA_N
ClientSampleId :

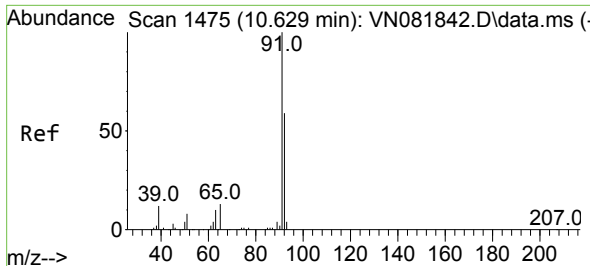
Tgt Ion: 98 Resp: 349205
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.242 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

Tgt Ion: 43 Resp: 6824
Ion Ratio Lower Upper
43 100
58 38.1 33.2 49.8

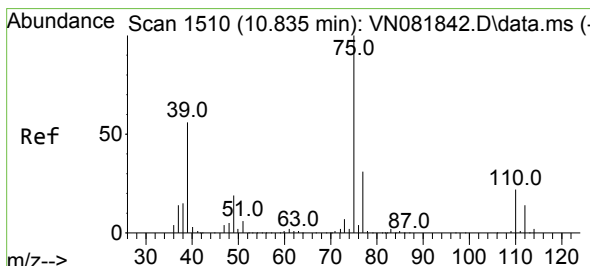
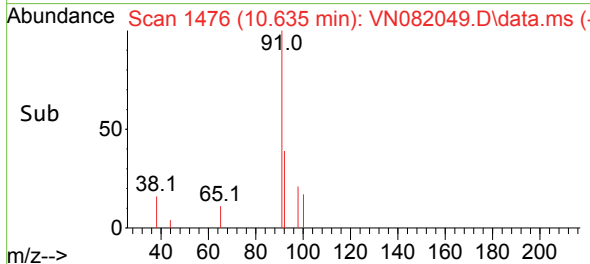
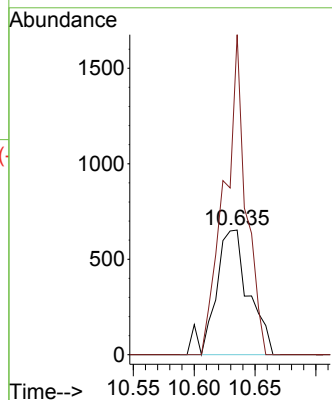
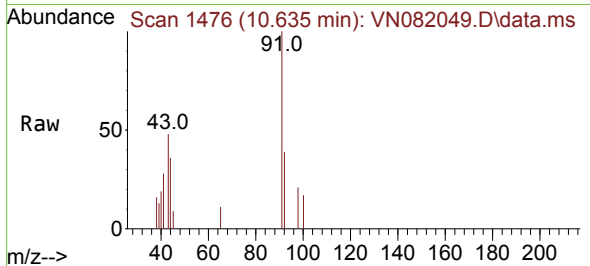




#52
Toluene
Concen: 0.258 ug/l
RT: 10.635 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

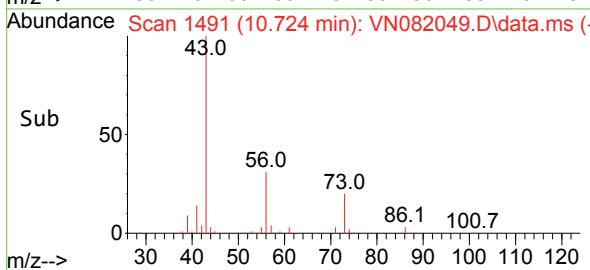
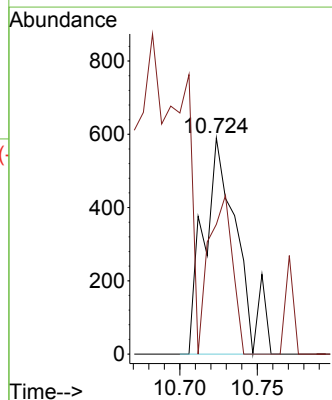
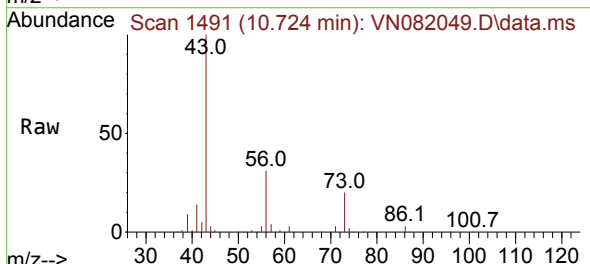
Instrument :
MSVOA_N
ClientSampleId :

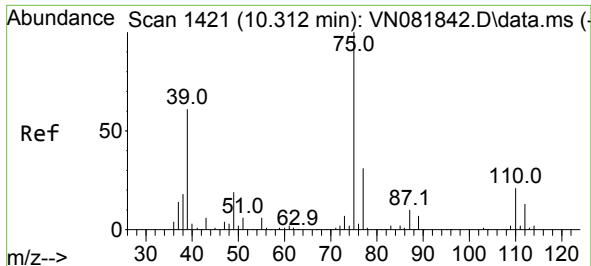
Tgt Ion: 92 Resp: 1235
Ion Ratio Lower Upper
92 100
91 167.7 136.7 205.1



#53
t-1,3-Dichloropropene
Concen: 0.267 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.112 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

Tgt Ion: 75 Resp: 886
Ion Ratio Lower Upper
75 100
77 60.0 25.4 38.0#

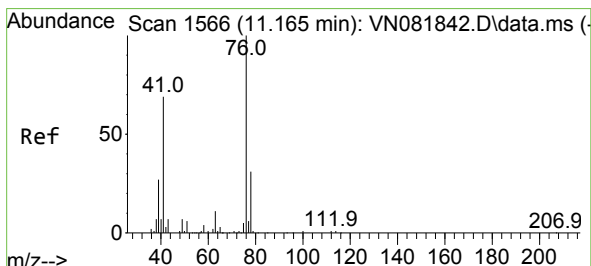
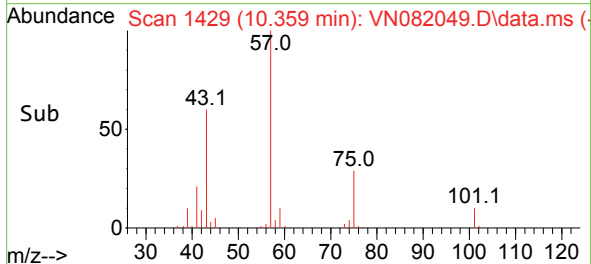
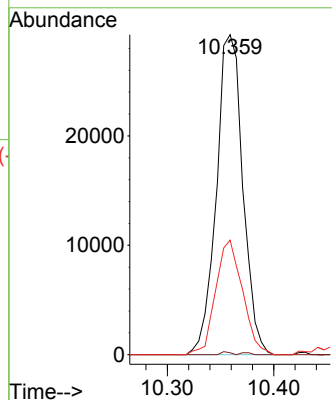
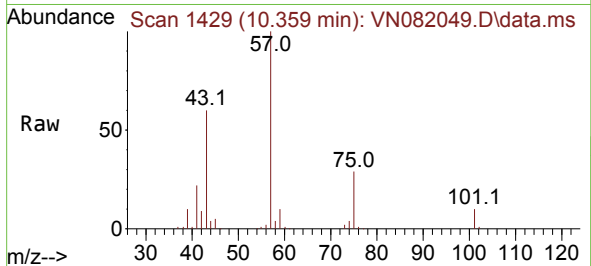




#54
 cis-1,3-Dichloropropene
 Concen: 14.758 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN082049.D
 Acq: 09 May 2024 14:34

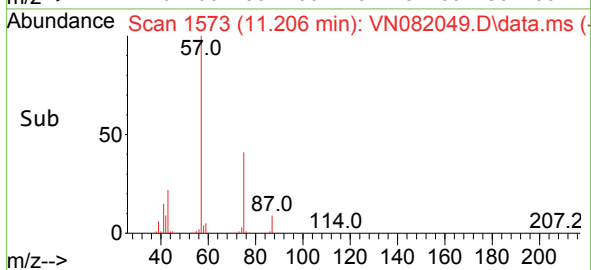
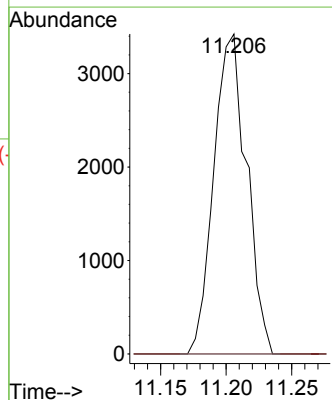
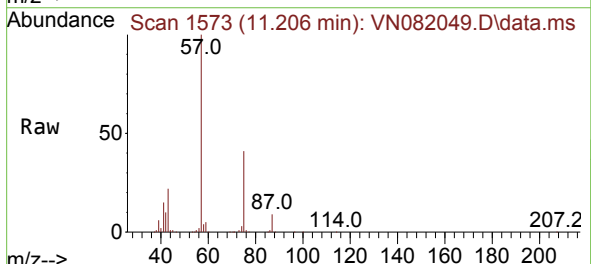
Instrument :
 MSVOA_N
 ClientSampleId :

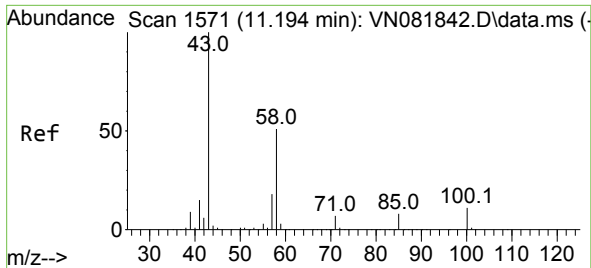
Tgt Ion: 75 Resp: 50410
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 35.8 34.8 52.2



#57
 1,3-Dichloropropane
 Concen: 1.781 ug/l
 RT: 11.206 min Scan# 1573
 Delta R.T. 0.041 min
 Lab File: VN082049.D
 Acq: 09 May 2024 14:34

Tgt Ion: 76 Resp: 5955
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

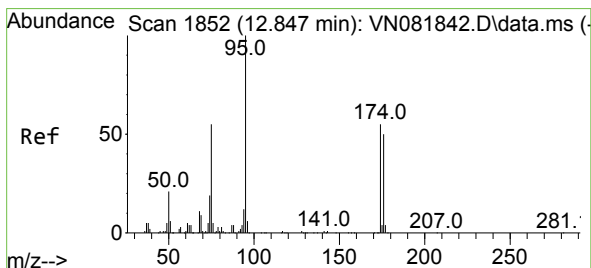
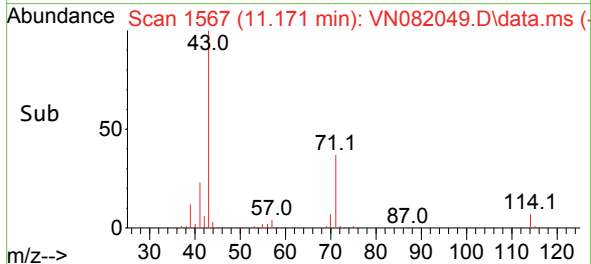
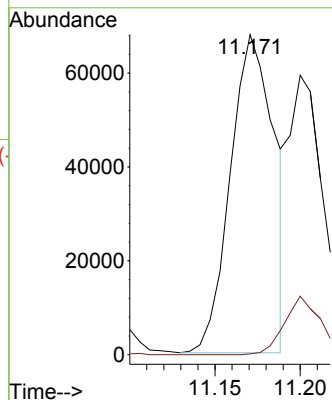
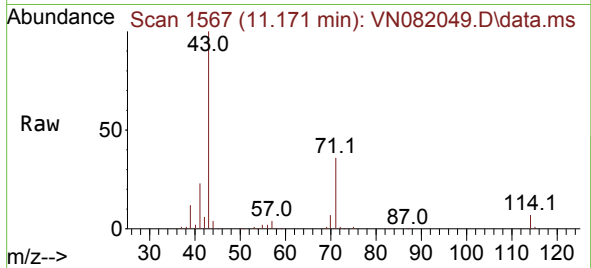




#59
2-Hexanone
Concen: 53.445 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

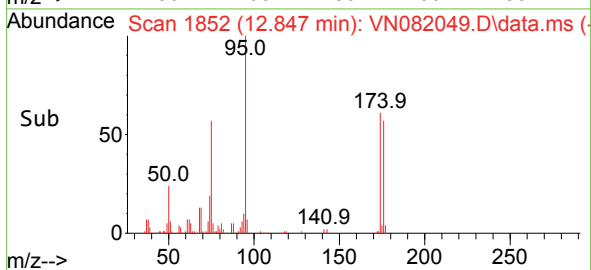
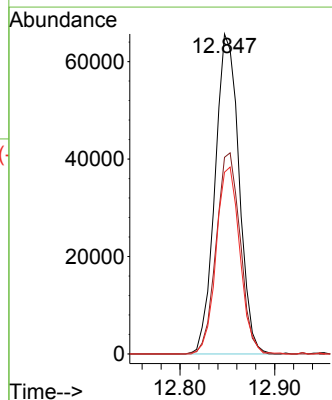
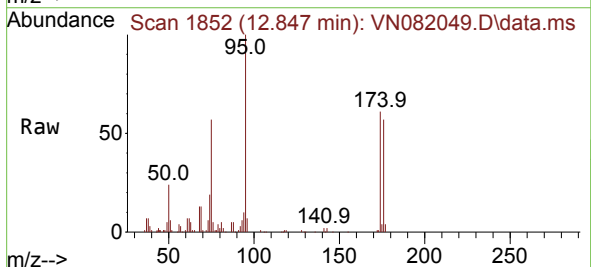
Instrument :
MSVOA_N
ClientSampleId :

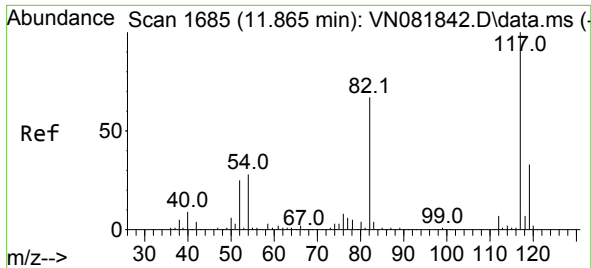
Tgt Ion: 43 Resp: 121065
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 45.482 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

Tgt Ion: 95 Resp: 115439
Ion Ratio Lower Upper
95 100
174 62.9 0.0 160.6
176 57.7 0.0 152.8

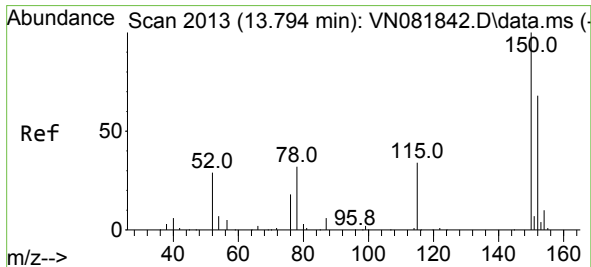
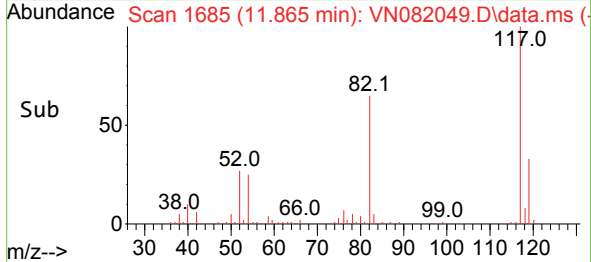
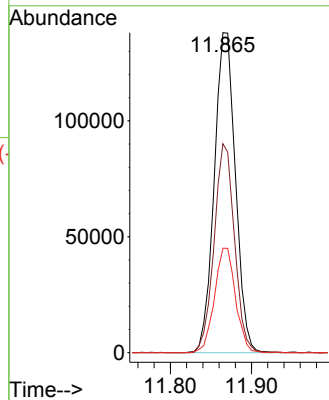
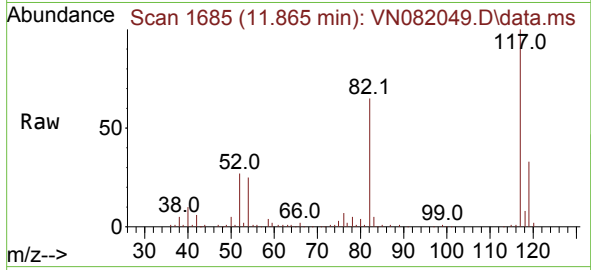




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

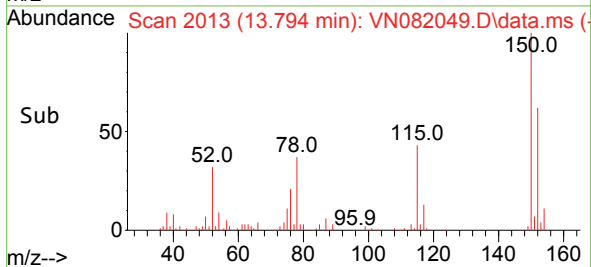
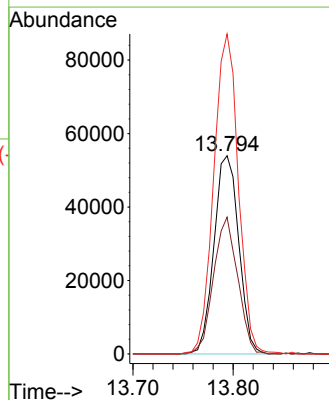
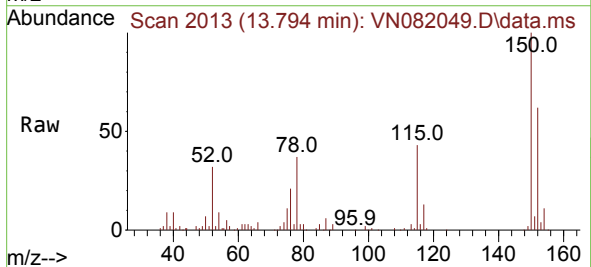
Instrument :
MSVOA_N
ClientSampleId :

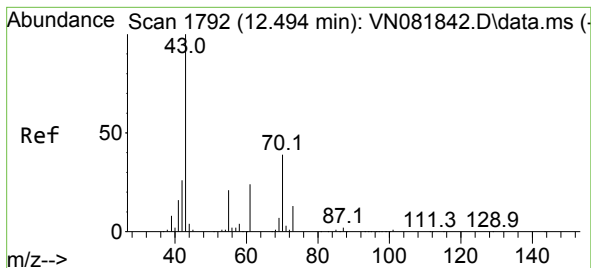
Tgt Ion:117 Resp: 250508
Ion Ratio Lower Upper
117 100
82 65.3 44.6 66.8
119 32.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082049.D
Acq: 09 May 2024 14:34

Tgt Ion:152 Resp: 92522
Ion Ratio Lower Upper
152 100
115 67.5 30.4 91.3
150 160.3 0.0 353.2





#74

N-amy1 acetate

Concen: 0.943 ug/l

RT: 12.459 min Scan# 1

Delta R.T. -0.035 min

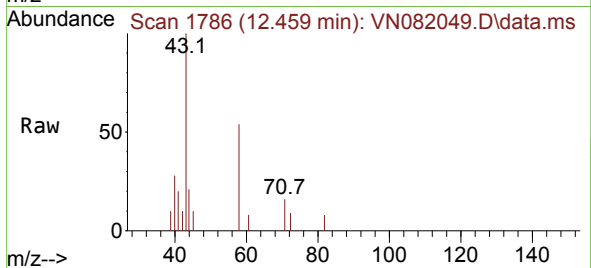
Lab File: VN082049.D

Acq: 09 May 2024 14:34

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 4321

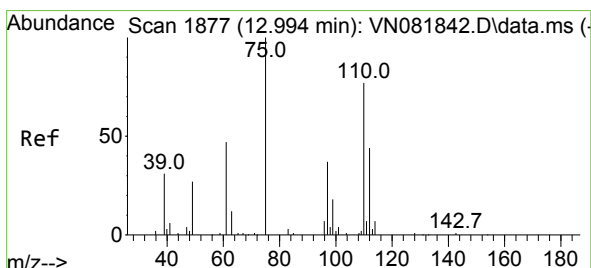
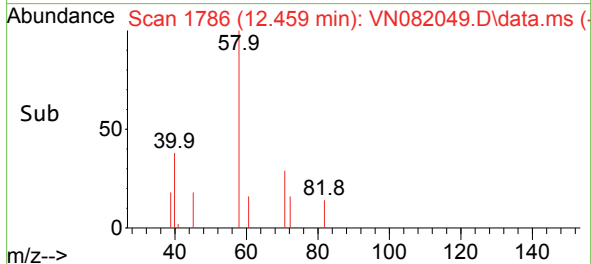
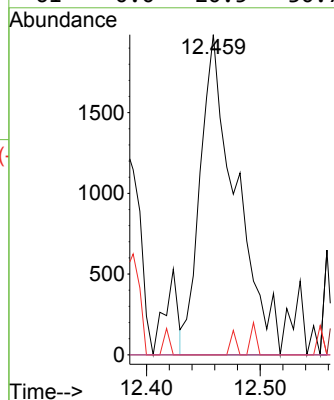
Ion Ratio Lower Upper

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: 27.681 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082049.D

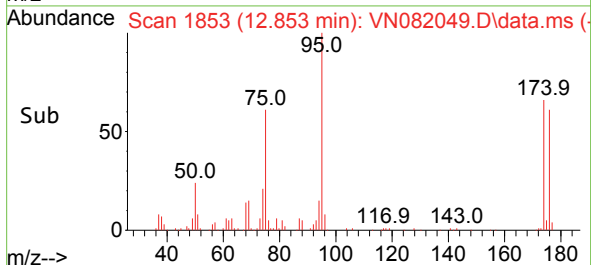
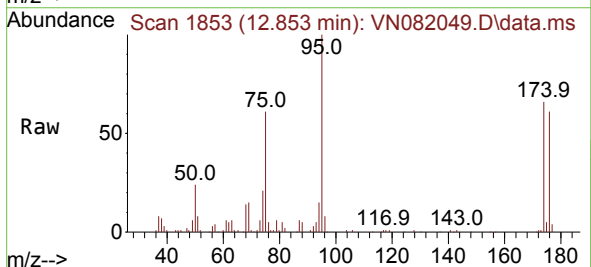
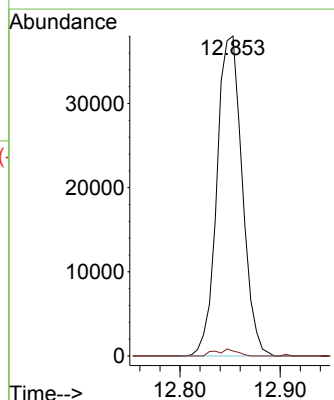
Acq: 09 May 2024 14:34

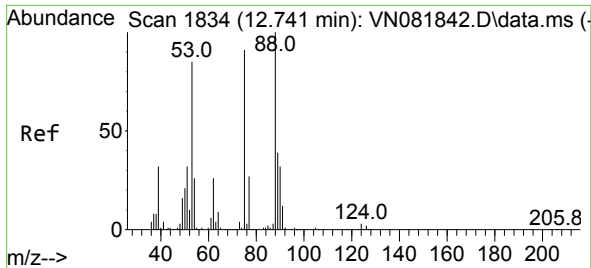
Tgt Ion: 75 Resp: 66404

Ion Ratio Lower Upper

75 100

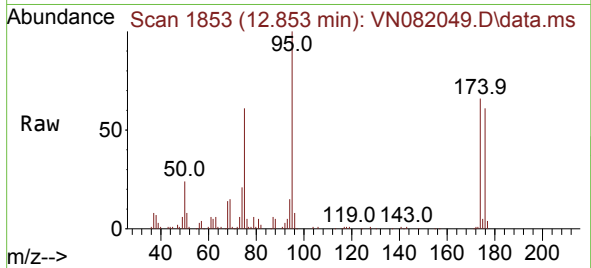
77 1.8 90.5 271.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.722 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN082049.D
 Acq: 09 May 2024 14:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 66404
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.9 109.3#
 89 0.1 39.1 58.7#

