

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081287.D
 Acq On : 01 Mar 2024 15:55
 Operator : JC\MD
 Sample : P1602-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

Quant Time: Mar 01 22:19:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

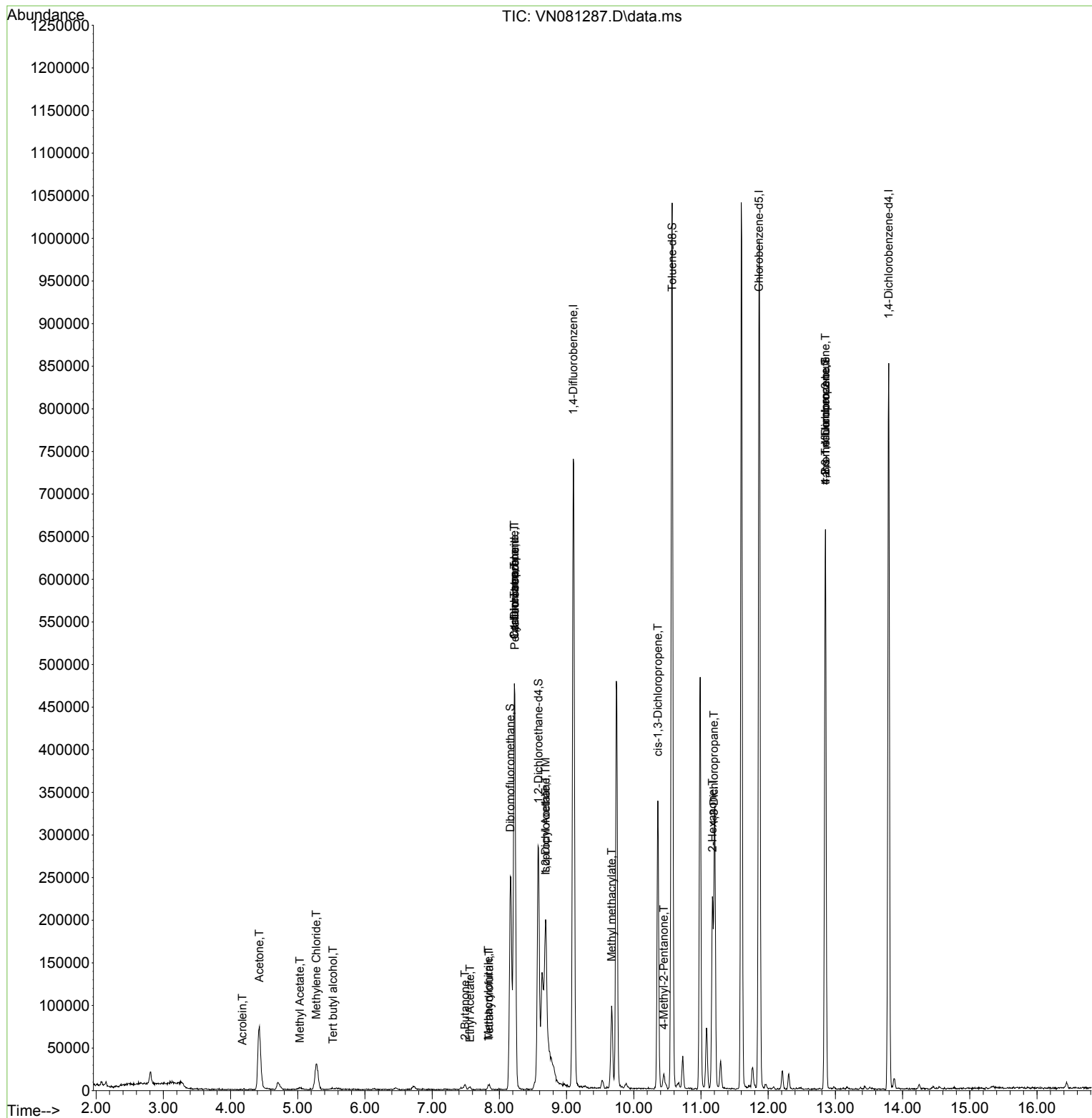
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

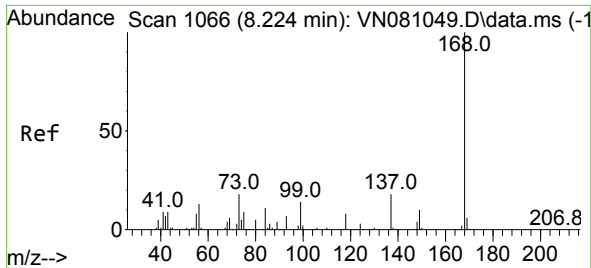
Internal Standards						
1) Pentafluorobenzene	8.229	168	330062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	637401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	570301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	215480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	230389	56.948	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.900%
35) Dibromofluoromethane	8.165	113	180237	50.006	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.020%
50) Toluene-d8	10.570	98	710566	55.506	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	111.020%
62) 4-Bromofluorobenzene	12.853	95	223810	46.528	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.060%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	782	Below Cal	#	43
6) Chloroethane	3.171	64	55	Below Cal	#	42
11) Tert butyl alcohol	5.524	59	1648	2.215	ug/l #	72
13) Acrolein	4.177	56	240	0.602	ug/l #	47
16) Acetone	4.430	43	140223	88.087	ug/l	97
18) Methyl Acetate	5.030	43	5017	1.292	ug/l #	83
20) Methylene Chloride	5.277	84	24823	5.195	ug/l #	79
25) 2-Butanone	7.488	43	9131	3.551	ug/l #	84
29) Tetrahydrofuran	7.847	42	4122	2.401	ug/l #	80
31) Cyclohexane	8.223	56	9407	1.347	ug/l #	1
36) 1,1-Dichloropropene	8.223	75	30923	5.008	ug/l #	48
37) Ethyl Acetate	7.565	43	4903	0.880	ug/l	95
38) Carbon Tetrachloride	8.223	117	38532	6.168	ug/l #	20
41) Methacrylonitrile	7.835	41	2766	0.872	ug/l #	33
42) 1,2-Dichloroethane	8.688	62	1396	0.224	ug/l #	75
43) Isopropyl Acetate	8.688	43	287945	29.543	ug/l #	78
48) Methyl methacrylate	9.670	41	5688	1.254	ug/l #	48
51) 4-Methyl-2-Pentanone	10.447	43	16630	2.966	ug/l #	82
54) cis-1,3-Dichloropropene	10.359	75	61096	8.248	ug/l #	60
57) 1,3-Dichloropropane	11.194	76	3754	0.499	ug/l #	43
59) 2-Hexanone	11.170	43	218170	49.081	ug/l #	26
76) 1,2,3-Trichloropropane	12.853	75	119511	24.411	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	119511	62.831	ug/l #	14

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

Instrument :
MSVOA_N
ClientSampleId :
WC-3

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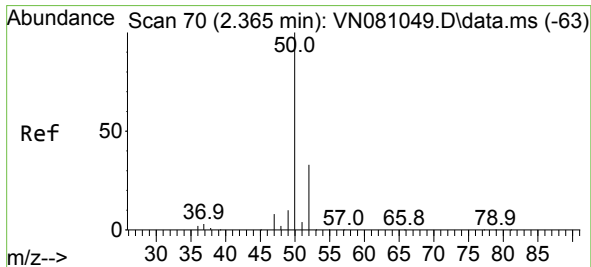
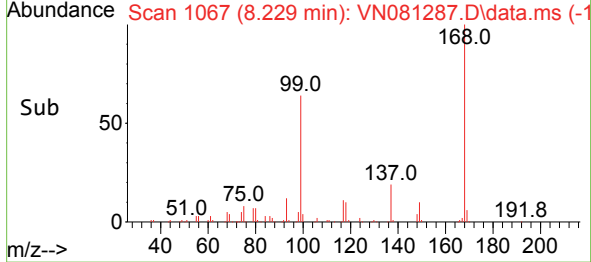
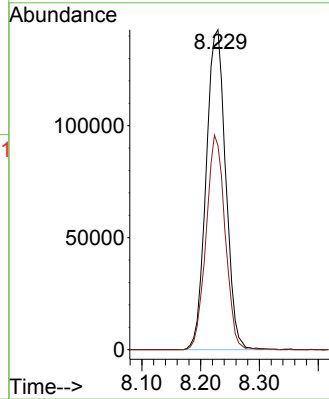
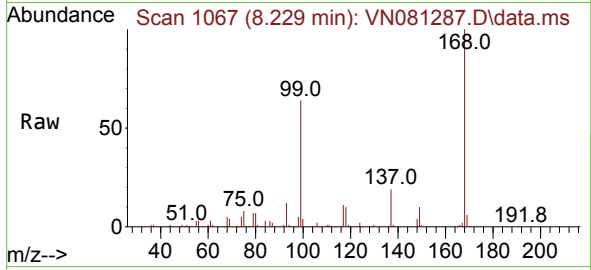




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

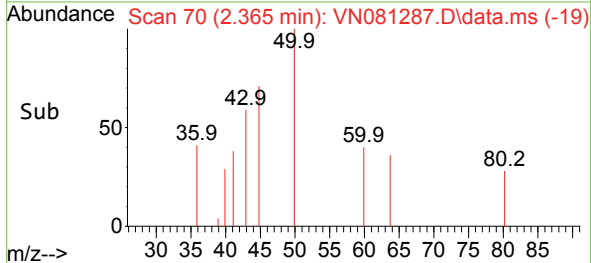
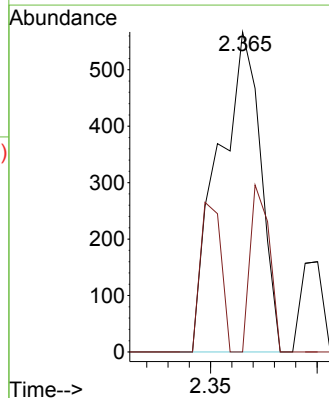
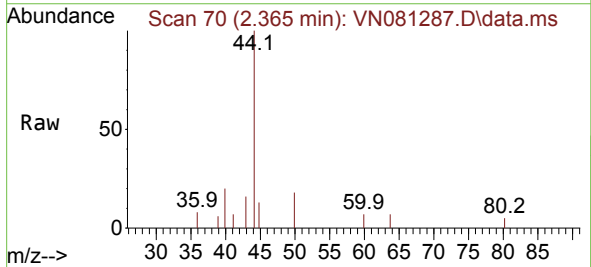
Instrument :
MSVOA_N
ClientSampleId :
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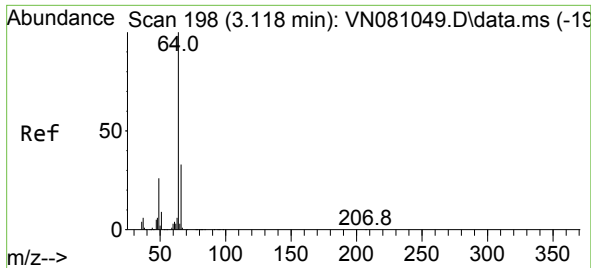
Tgt Ion:168 Resp: 330062
Ion Ratio Lower Upper
168 100
99 63.8 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion: 50 Resp: 782
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

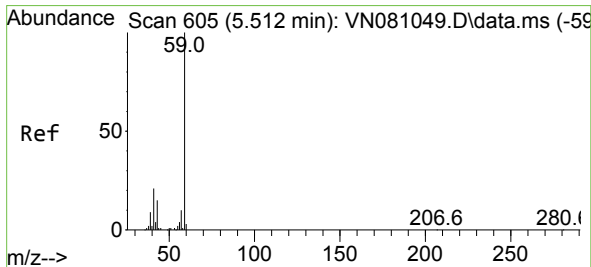
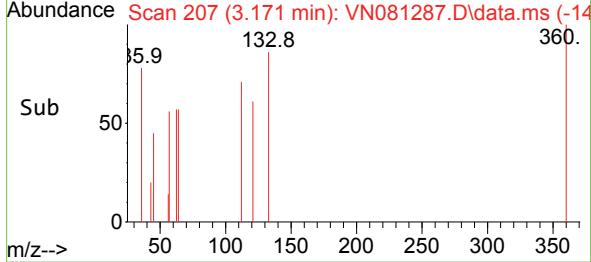
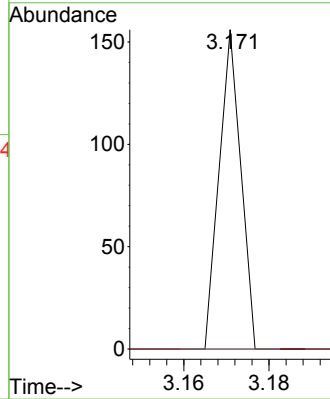
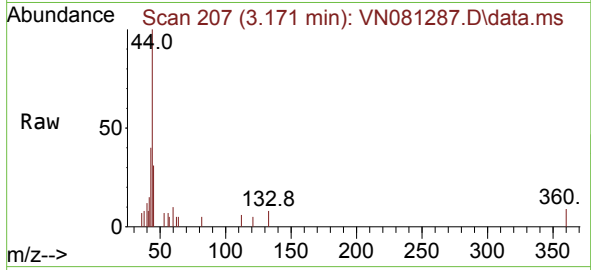




#6
Chloroethane
Concen: Below Cal
RT: 3.171 min Scan# 207
Delta R.T. 0.053 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

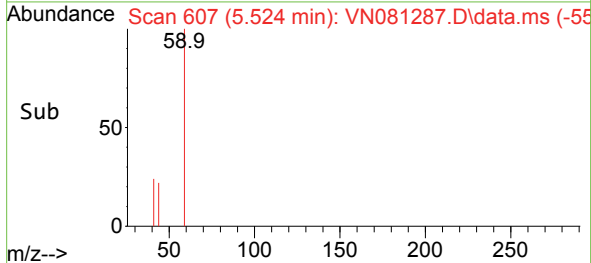
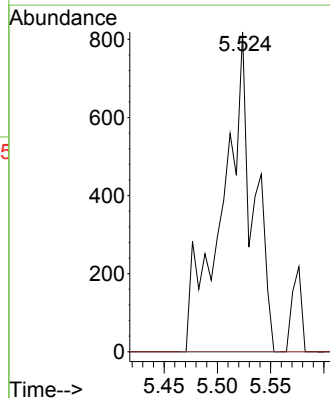
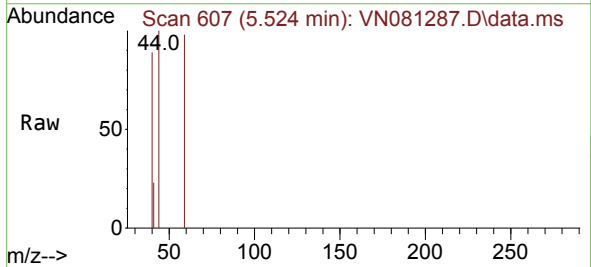
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 2.215 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.011 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion: 59 Resp: 1648
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

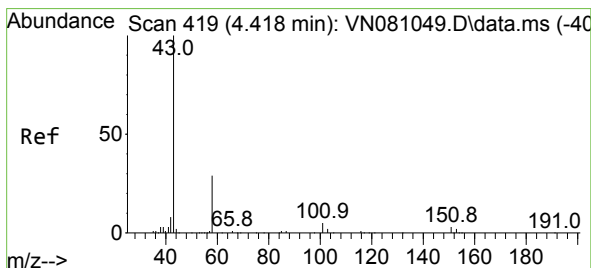
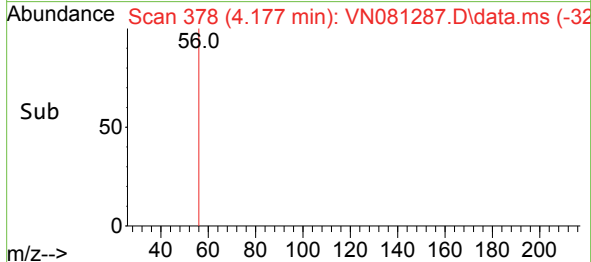
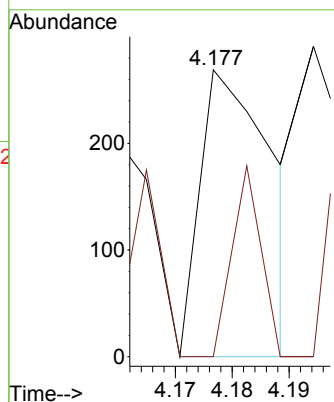
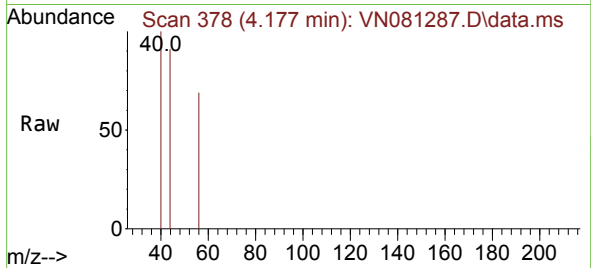




#13
Acrolein
Concen: 0.602 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

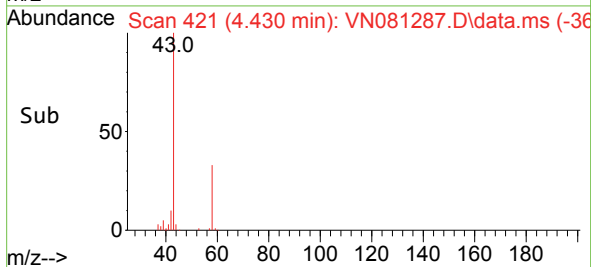
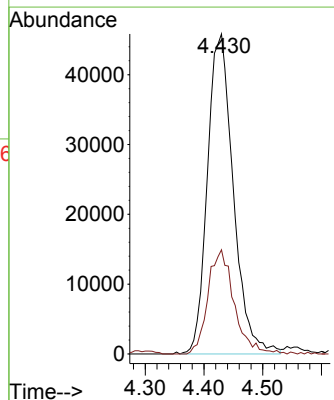
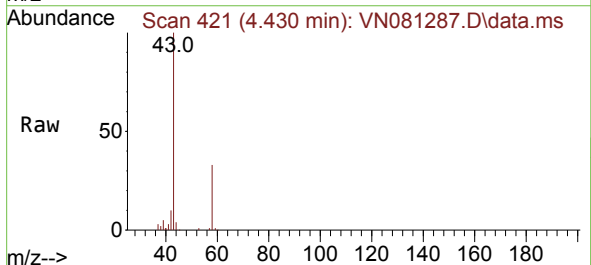
Instrument :
MSVOA_N
ClientSampleId :
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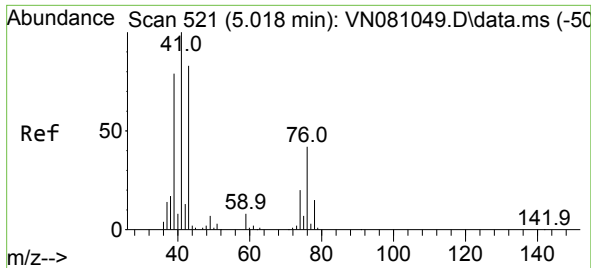
Tgt Ion: 56 Resp: 240
Ion Ratio Lower Upper
56 100
55 26.3 55.3 82.9#



#16
Acetone
Concen: 88.087 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.011 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion: 43 Resp: 140223
Ion Ratio Lower Upper
43 100
58 32.5 24.8 37.2

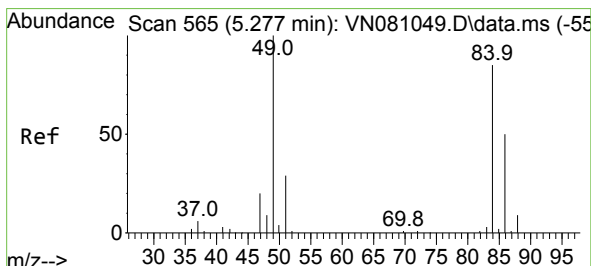
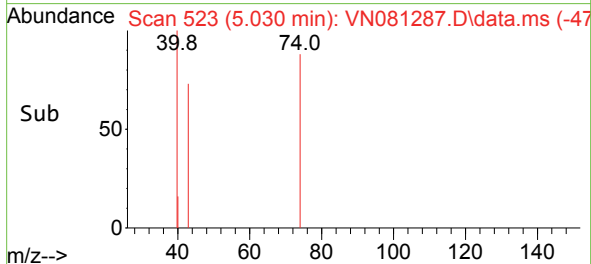
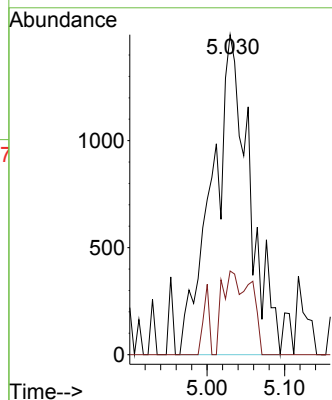
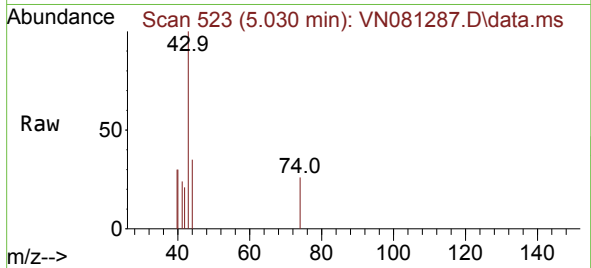




#18
Methyl Acetate
Concen: 1.292 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

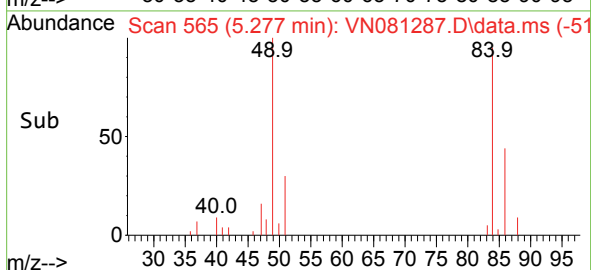
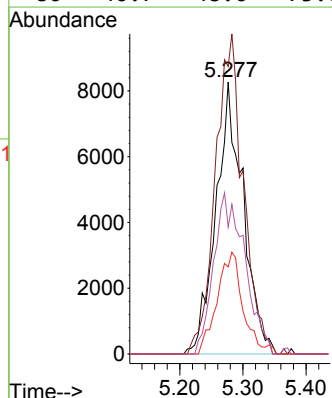
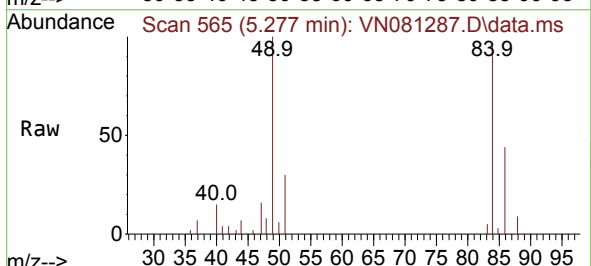
Instrument :
MSVOA_N
ClientSampleId :
WC-3

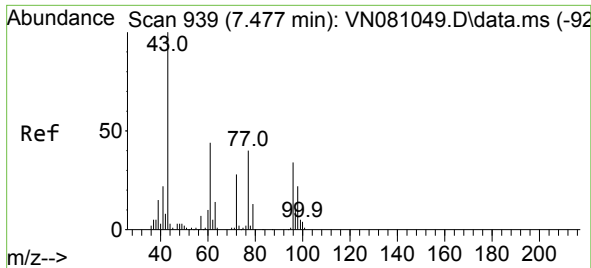
Tgt Ion: 43 Resp: 5017
Ion Ratio Lower Upper
43 100
74 13.8 17.3 25.9#



#20
Methylene Chloride
Concen: 5.195 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion: 84 Resp: 24823
Ion Ratio Lower Upper
84 100
49 105.7 108.1 162.1#
51 32.0 32.9 49.3#
86 46.7 48.6 73.0#

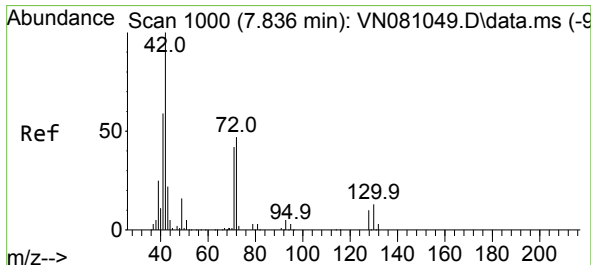
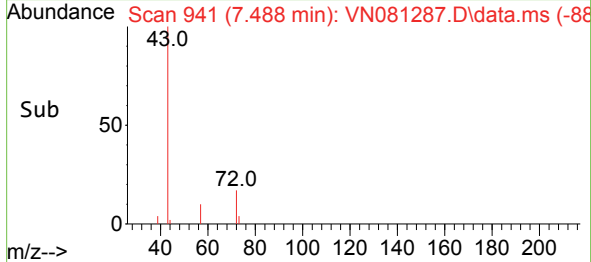
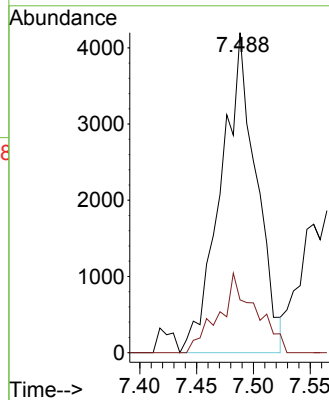
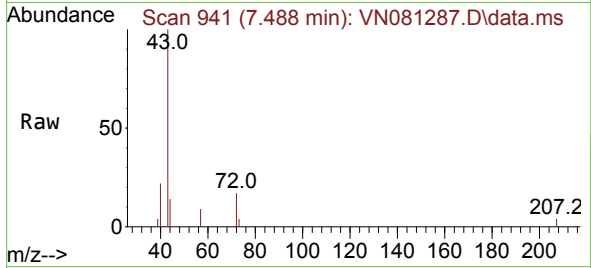




#25
2-Butanone
Concen: 3.551 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.011 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

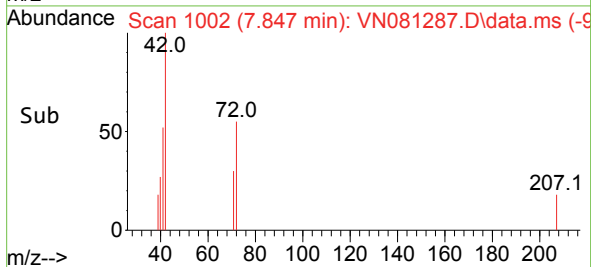
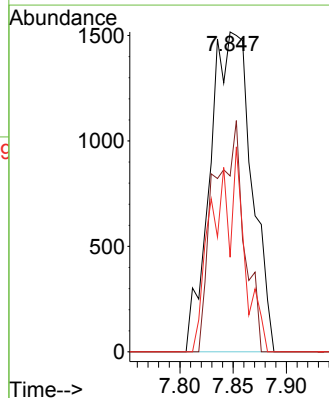
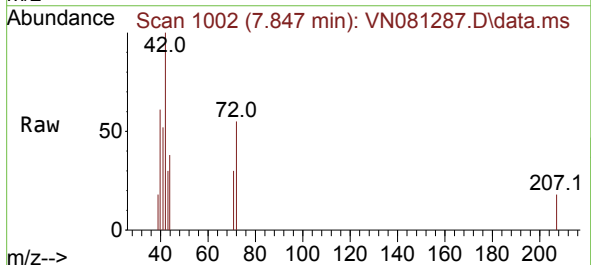
Instrument :
MSVOA_N
ClientSampleId :
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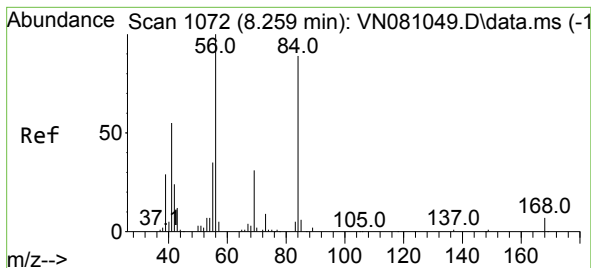
Tgt Ion: 43 Resp: 9131
Ion Ratio Lower Upper
43 100
72 16.5 19.5 29.3#



#29
Tetrahydrofuran
Concen: 2.401 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.011 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion: 42 Resp: 4122
Ion Ratio Lower Upper
42 100
72 51.7 31.1 46.7#
71 46.6 28.3 42.5#





#31

Cyclohexane

Concen: 1.347 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.036 min

Lab File: VN081287.D

Acq: 01 Mar 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

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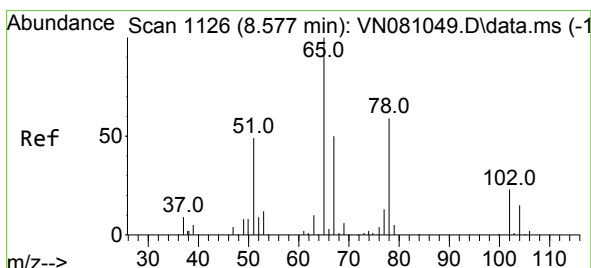
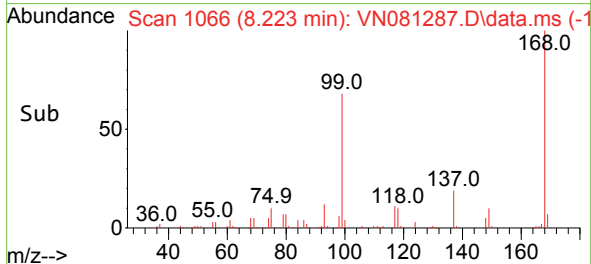
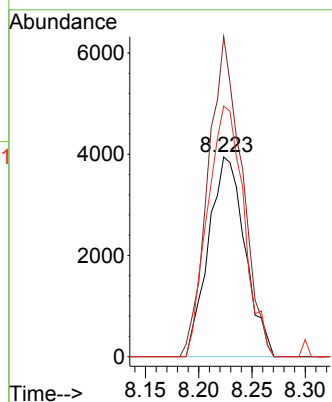
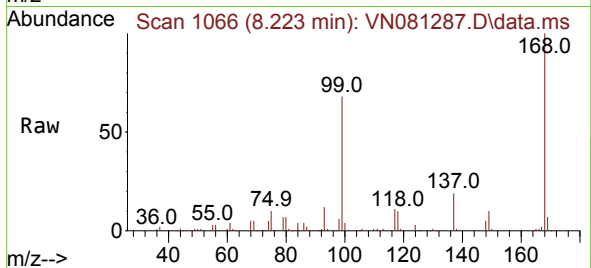
Tgt Ion: 56 Resp: 9407

Ion Ratio Lower Upper

56 100

69 160.2 20.1 30.1#

84 125.4 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 56.948 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081287.D

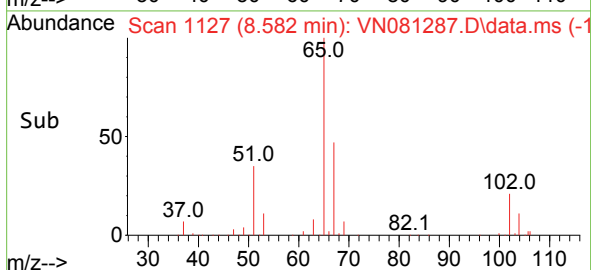
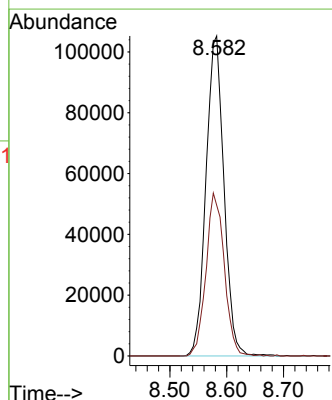
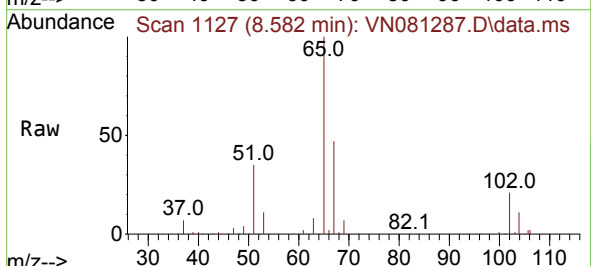
Acq: 01 Mar 2024 15:55

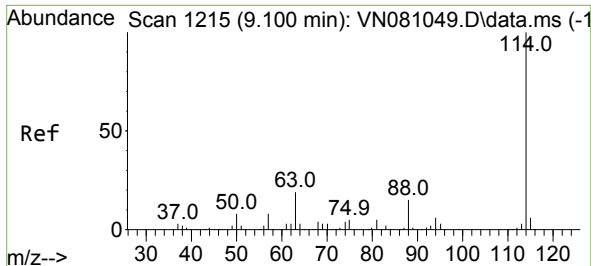
Tgt Ion: 65 Resp: 230389

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.4

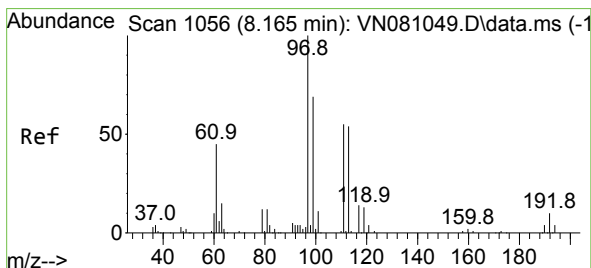
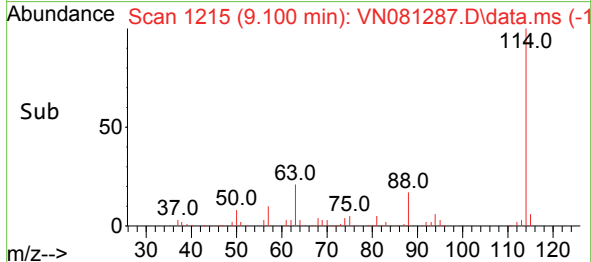
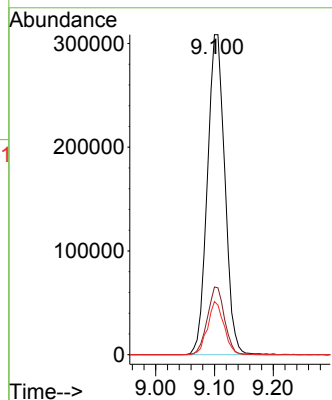
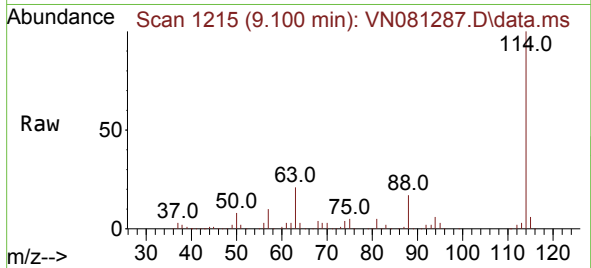




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

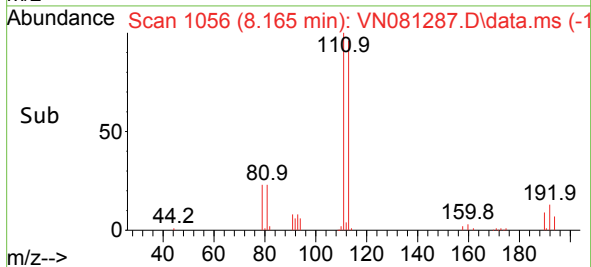
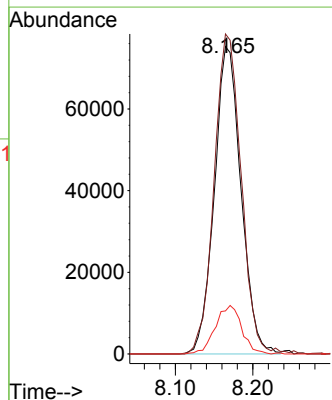
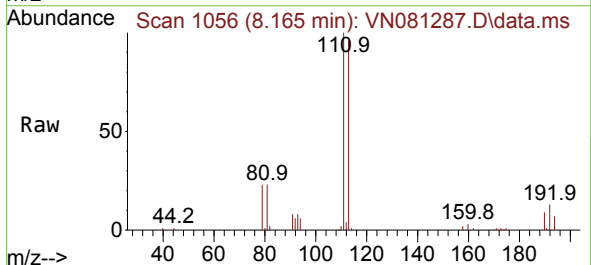
Instrument :
MSVOA_N
ClientSampleId :
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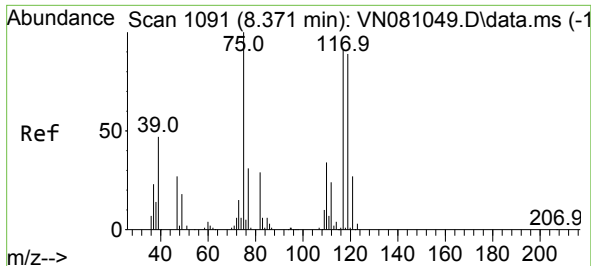
Tgt Ion:114 Resp: 637401
Ion Ratio Lower Upper
114 100
63 21.2 0.0 48.0
88 16.6 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.006 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion:113 Resp: 180237
Ion Ratio Lower Upper
113 100
111 105.3 82.2 123.4
192 15.6 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.008 ug/l

RT: 8.223 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081287.D

Acq: 01 Mar 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

WC-3

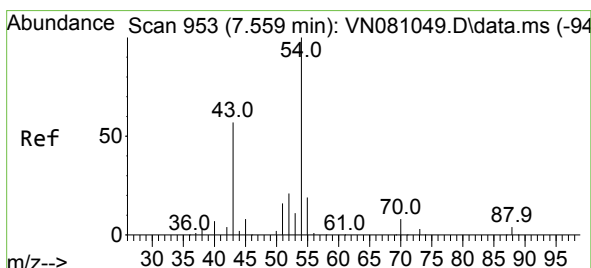
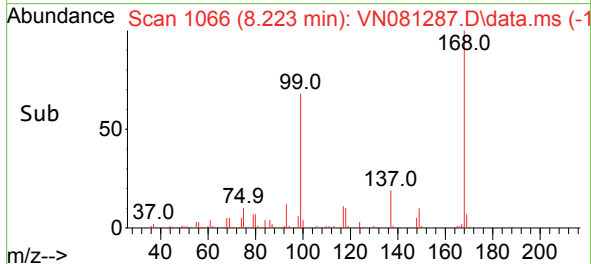
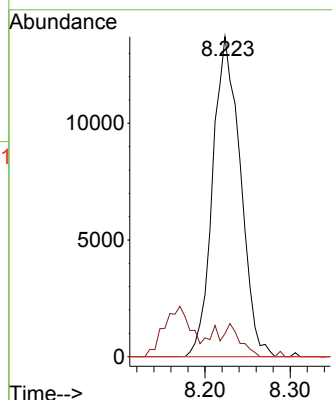
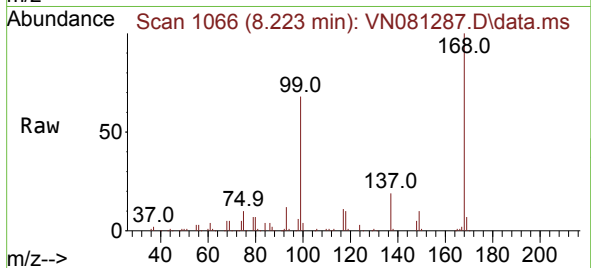
Tgt Ion: 75 Resp: 30923

Ion Ratio Lower Upper

75 100

110 5.8 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 0.880 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.006 min

Lab File: VN081287.D

Acq: 01 Mar 2024 15:55

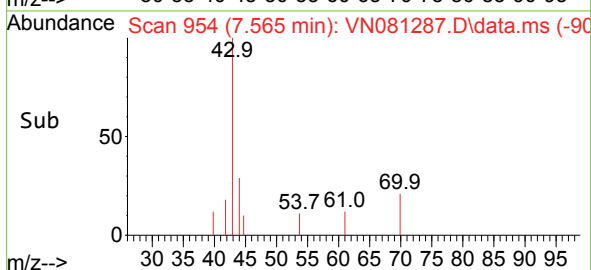
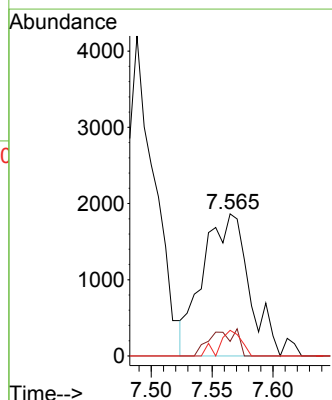
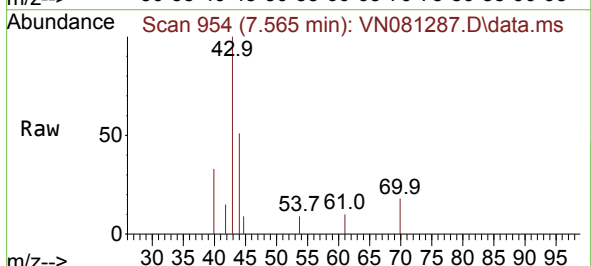
Tgt Ion: 43 Resp: 4903

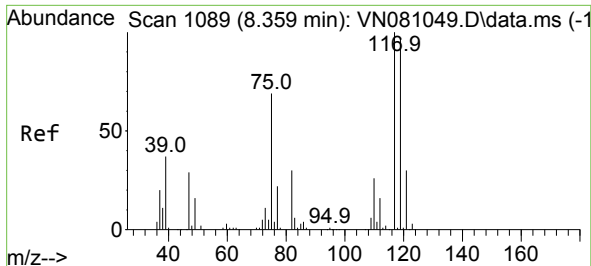
Ion Ratio Lower Upper

43 100

61 10.9 10.6 15.8

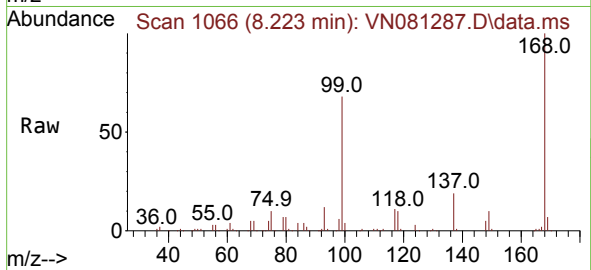
70 8.4 8.0 12.0



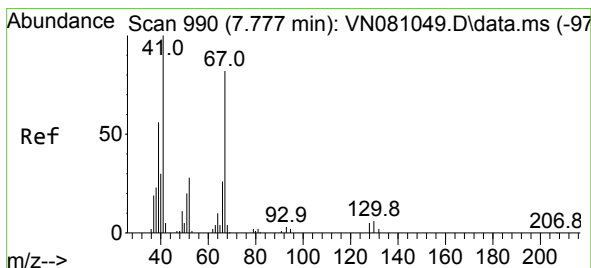
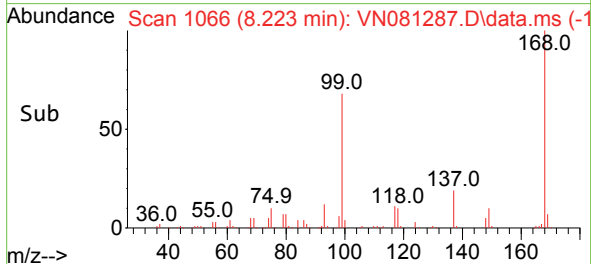
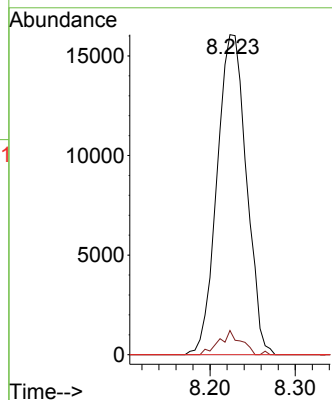


#38
Carbon Tetrachloride
Concen: 6.168 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. -0.136 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Instrument :
MSVOA_N
ClientSampleId :
WC-3

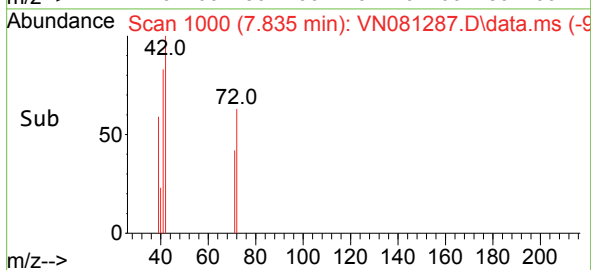
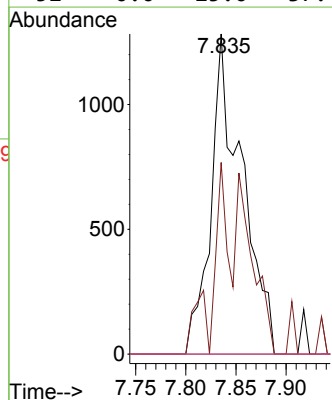
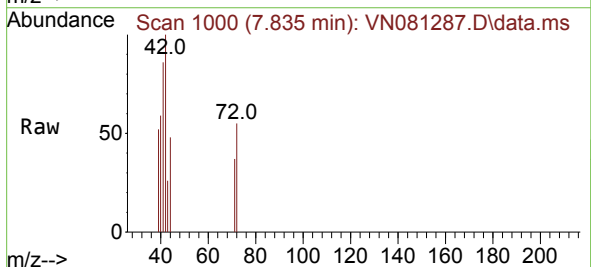


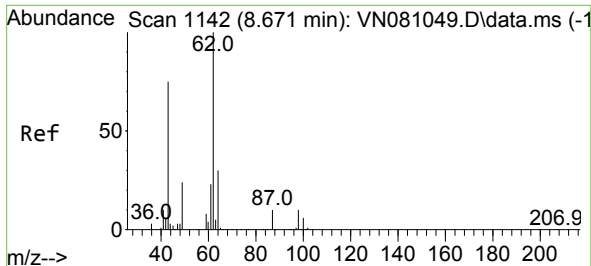
Tgt Ion:117 Resp: 38532
Ion Ratio Lower Upper
117 100
119 7.5 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.872 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.059 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion: 41 Resp: 2766
Ion Ratio Lower Upper
41 100
39 23.1 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#





#42

1,2-Dichloroethane

Concen: 0.224 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.017 min

Lab File: VN081287.D

Acq: 01 Mar 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

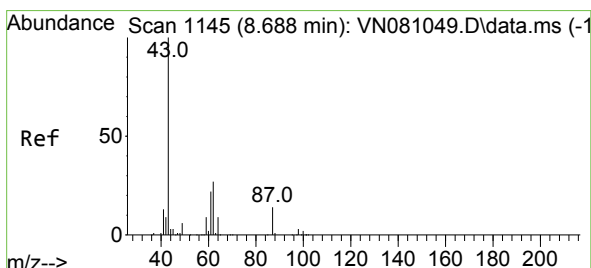
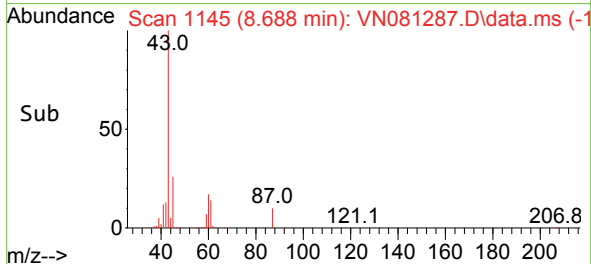
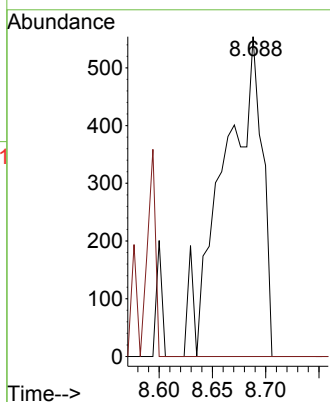
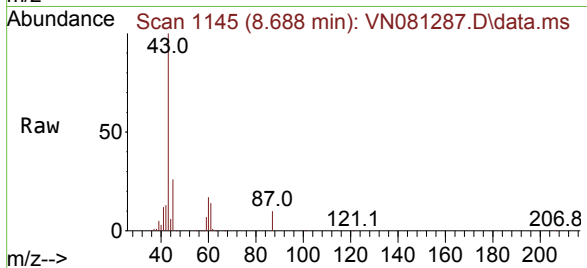
WC-3

Tgt Ion: 62 Resp: 1396

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 29.543 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081287.D

Acq: 01 Mar 2024 15:55

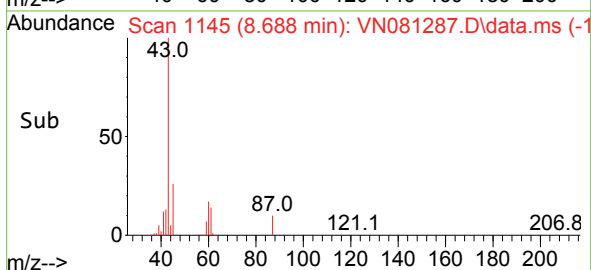
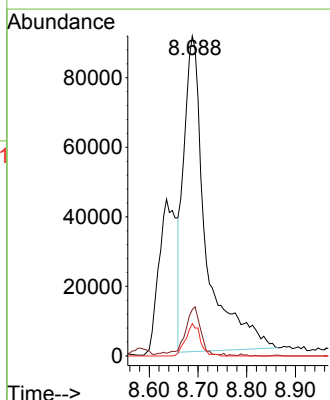
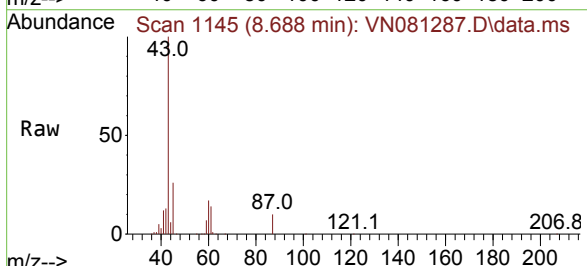
Tgt Ion: 43 Resp: 287945

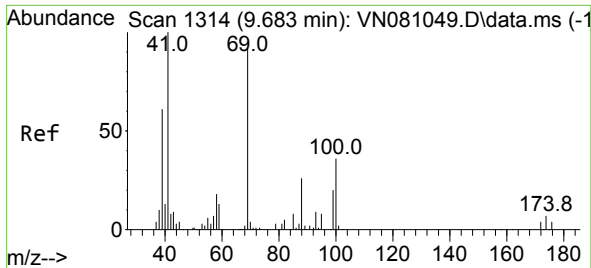
Ion Ratio Lower Upper

43 100

61 11.4 19.9 29.9#

87 6.7 9.0 13.6#

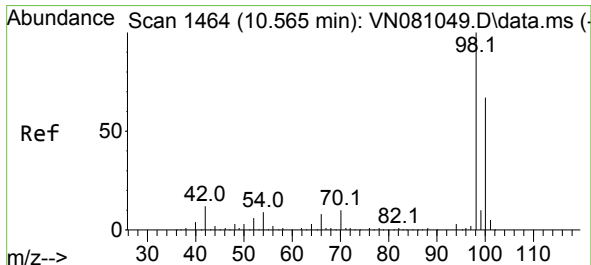
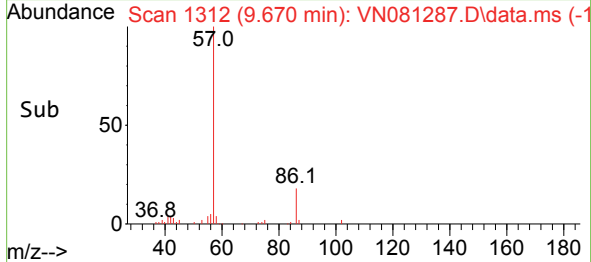
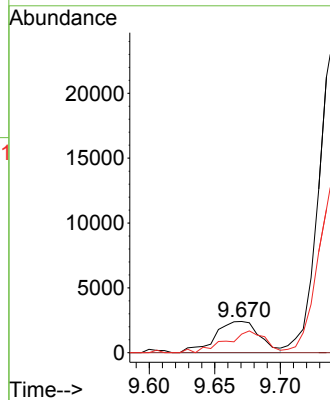
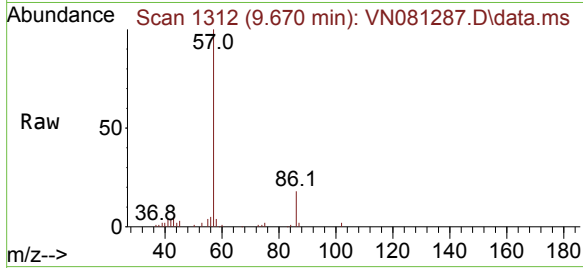




#48
Methyl methacrylate
Concen: 1.254 ug/l
RT: 9.670 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

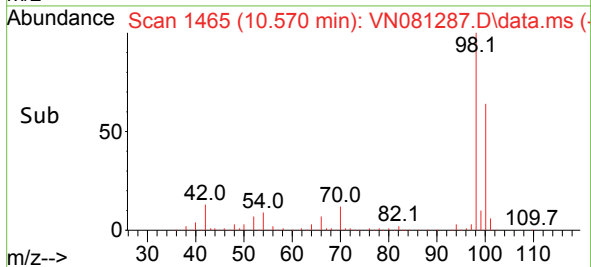
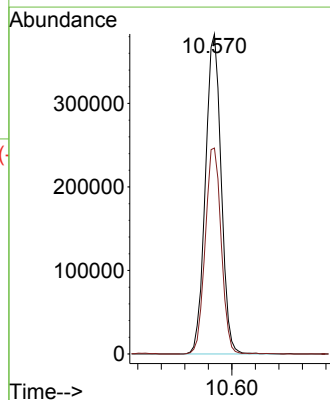
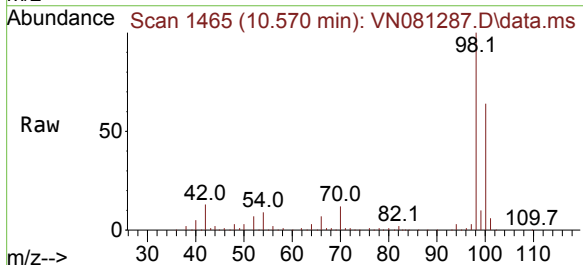
Instrument :
MSVOA_N
ClientSampleId :
WC-3

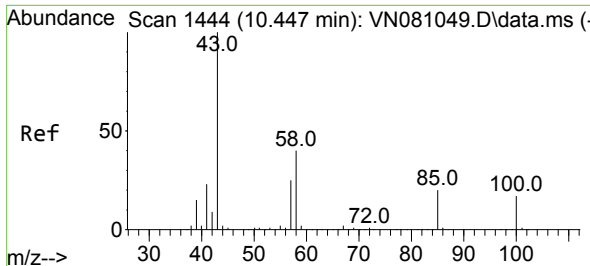
Tgt Ion: 41 Resp: 5688
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.2#
39 61.6 47.6 71.4



#50
Toluene-d8
Concen: 55.506 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion: 98 Resp: 710566
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.0

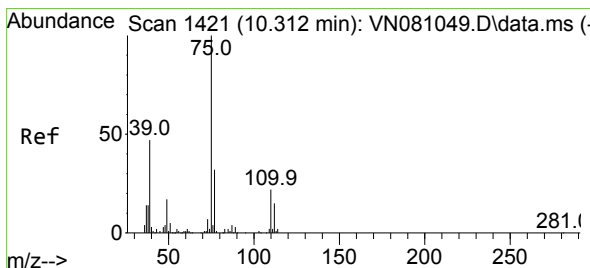
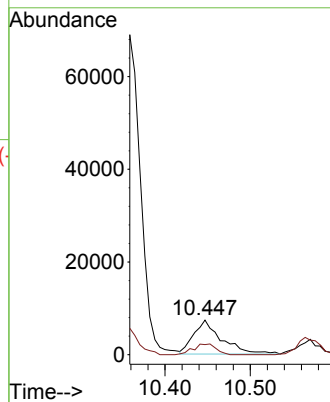
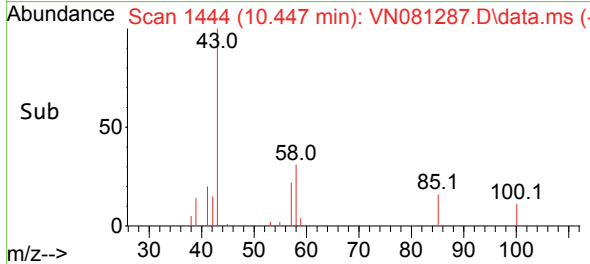
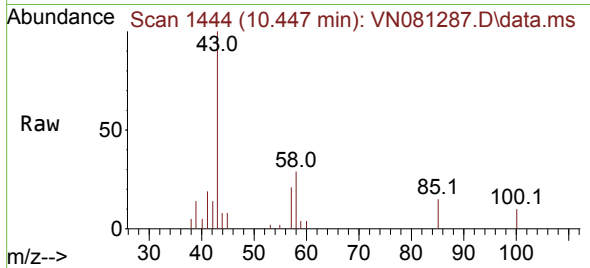




#51
4-Methyl-2-Pentanone
Concen: 2.966 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

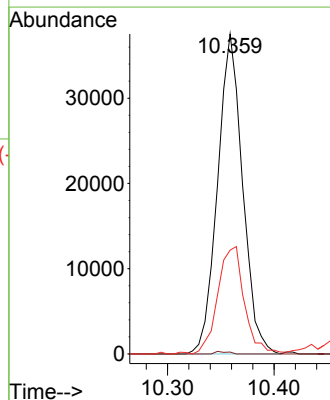
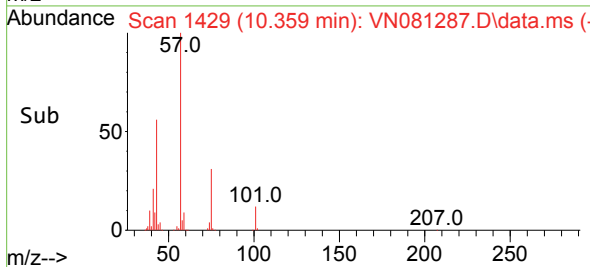
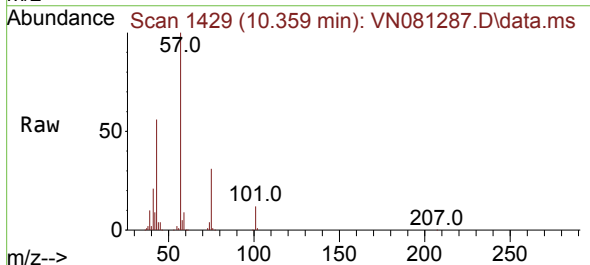
Instrument :
MSVOA_N
ClientSampleId :
WC-3

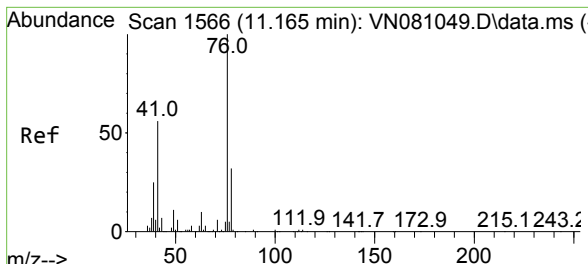
Tgt Ion: 43 Resp: 16630
Ion Ratio Lower Upper
43 100
58 26.1 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 8.248 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion: 75 Resp: 61096
Ion Ratio Lower Upper
75 100
77 0.6 23.3 34.9#
39 31.9 44.6 66.8#

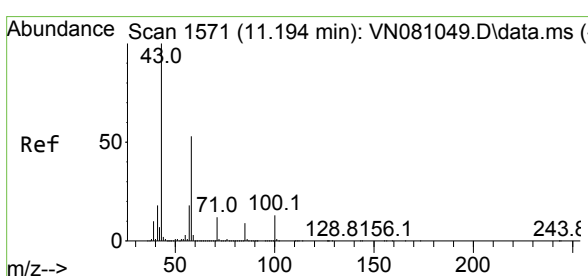
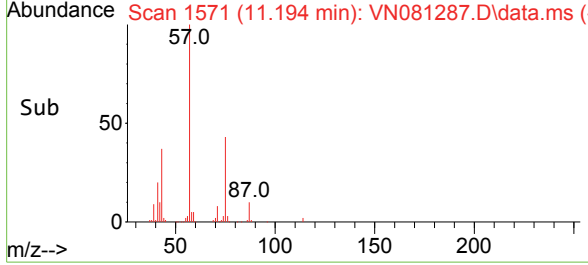
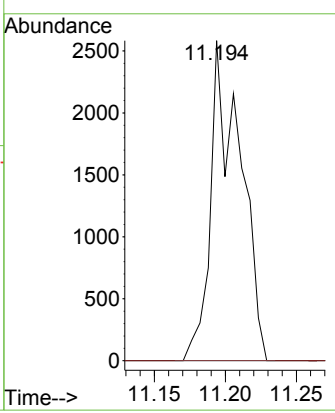
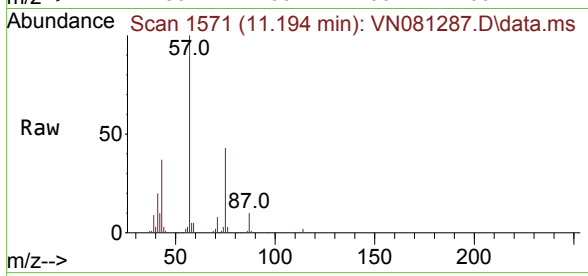




#57
 1,3-Dichloropropane
 Concen: 0.499 ug/l
 RT: 11.194 min Scan# 111
 Delta R.T. 0.029 min
 Lab File: VN081287.D
 Acq: 01 Mar 2024 15:55

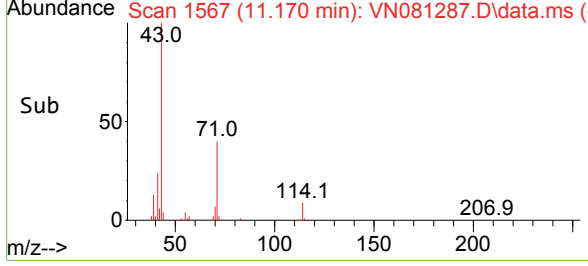
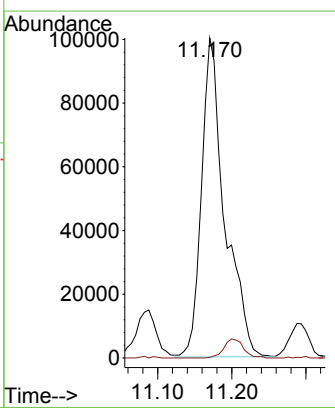
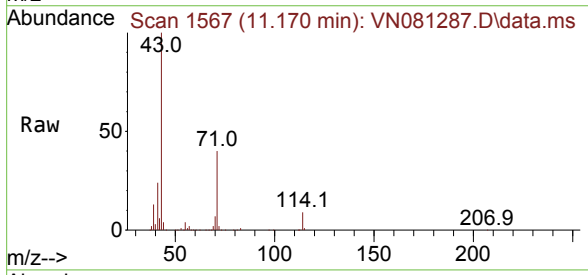
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3

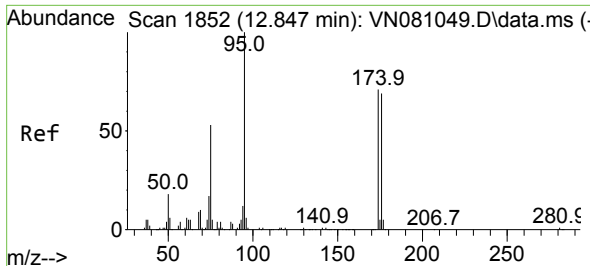
Tgt Ion: 76 Resp: 3754
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 49.081 ug/l
 RT: 11.170 min Scan# 1567
 Delta R.T. -0.024 min
 Lab File: VN081287.D
 Acq: 01 Mar 2024 15:55

Tgt Ion: 43 Resp: 218170
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 77.8#

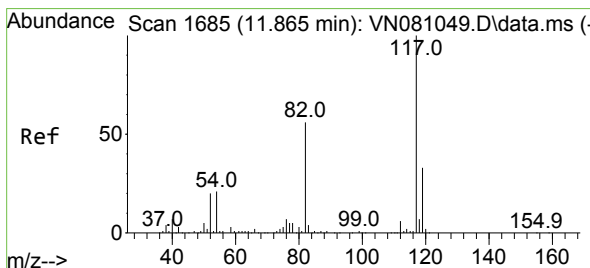
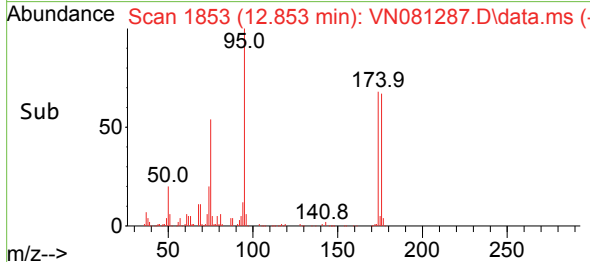
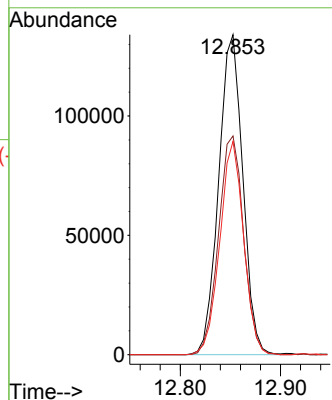
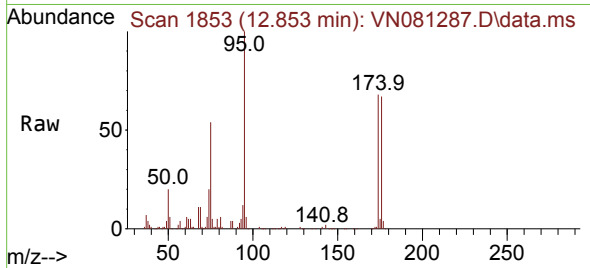




#62
4-Bromofluorobenzene
Concen: 46.528 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

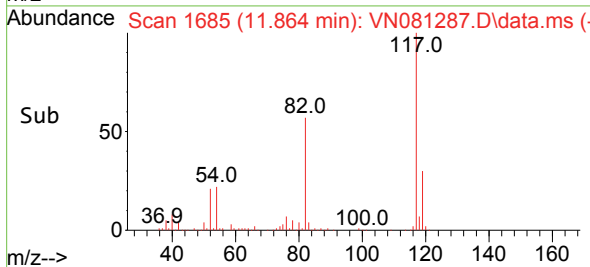
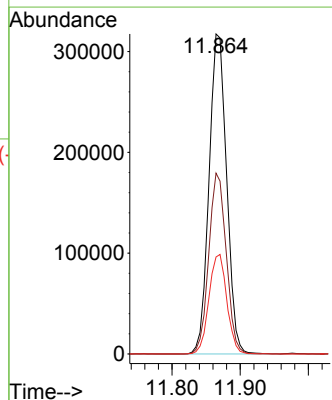
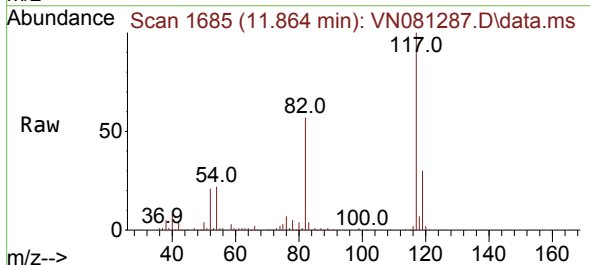
Instrument :
MSVOA_N
ClientSampleId :
WC-3

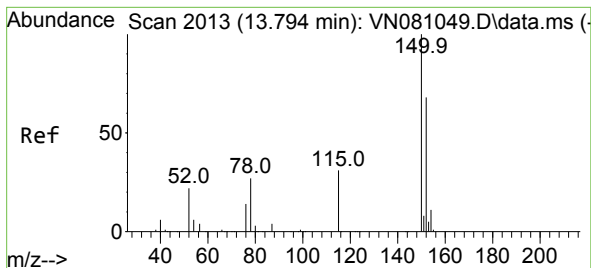
Tgt Ion: 95 Resp: 223810
Ion Ratio Lower Upper
95 100
174 70.7 0.0 120.4
176 65.6 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081287.D
Acq: 01 Mar 2024 15:55

Tgt Ion: 117 Resp: 570301
Ion Ratio Lower Upper
117 100
82 56.5 52.7 79.1
119 30.3 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN081287.D

Acq: 01 Mar 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

WC-3

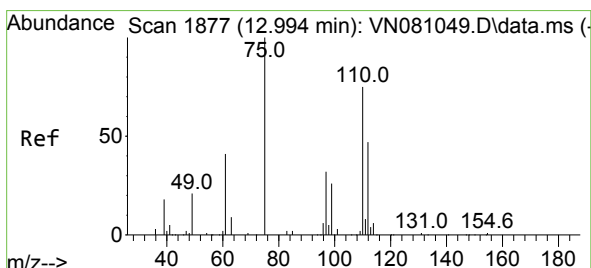
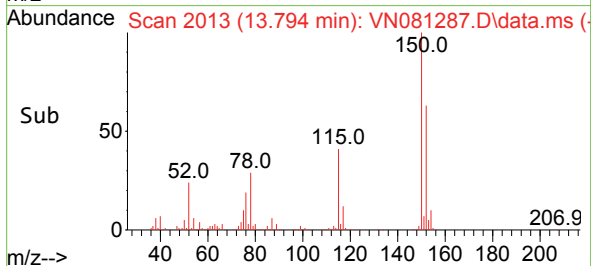
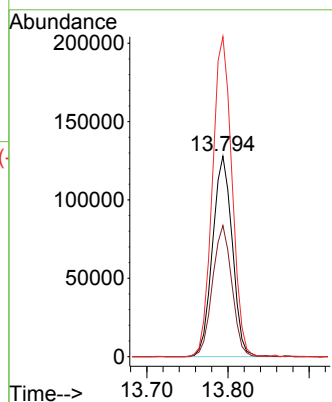
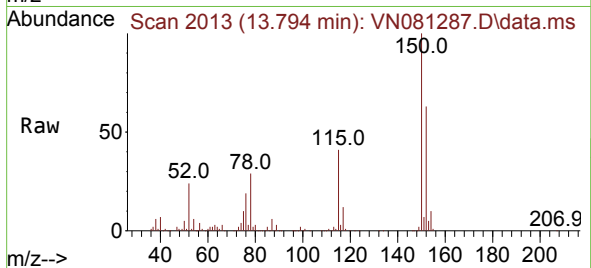
Tgt Ion:152 Resp: 215480

Ion Ratio Lower Upper

152 100

115 64.5 32.3 96.8

150 158.4 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 24.411 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.142 min

Lab File: VN081287.D

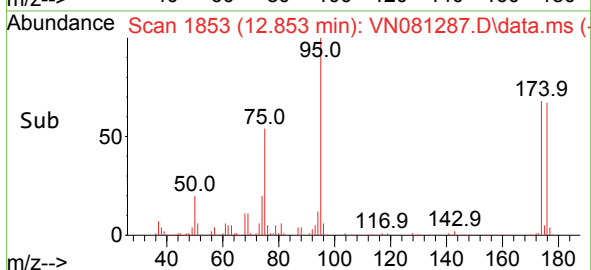
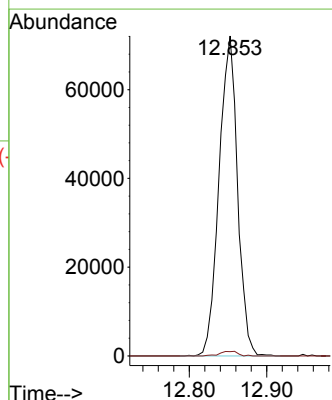
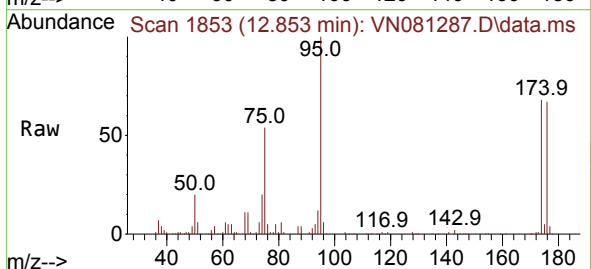
Acq: 01 Mar 2024 15:55

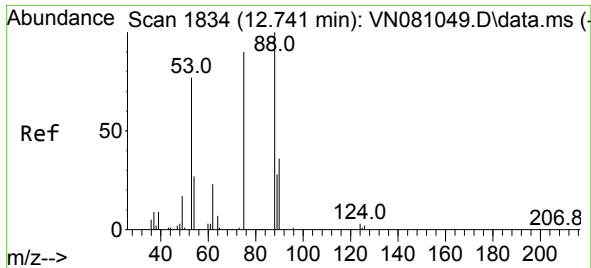
Tgt Ion: 75 Resp: 119511

Ion Ratio Lower Upper

75 100

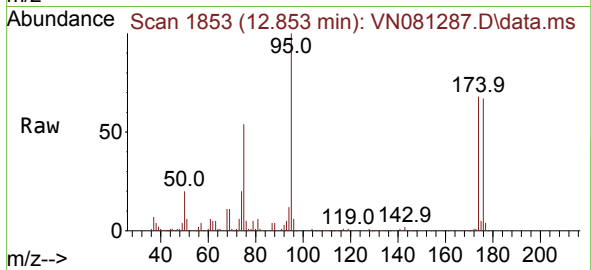
77 1.4 91.0 272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.831 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.111 min
 Lab File: VN081287.D
 Acq: 01 Mar 2024 15:55

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-3



Tgt Ion: 75 Resp: 119511
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

