

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043024\
 Data File : VN081936.D
 Acq On : 30 Apr 2024 17:17
 Operator : JC\MD
 Sample : P2307-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

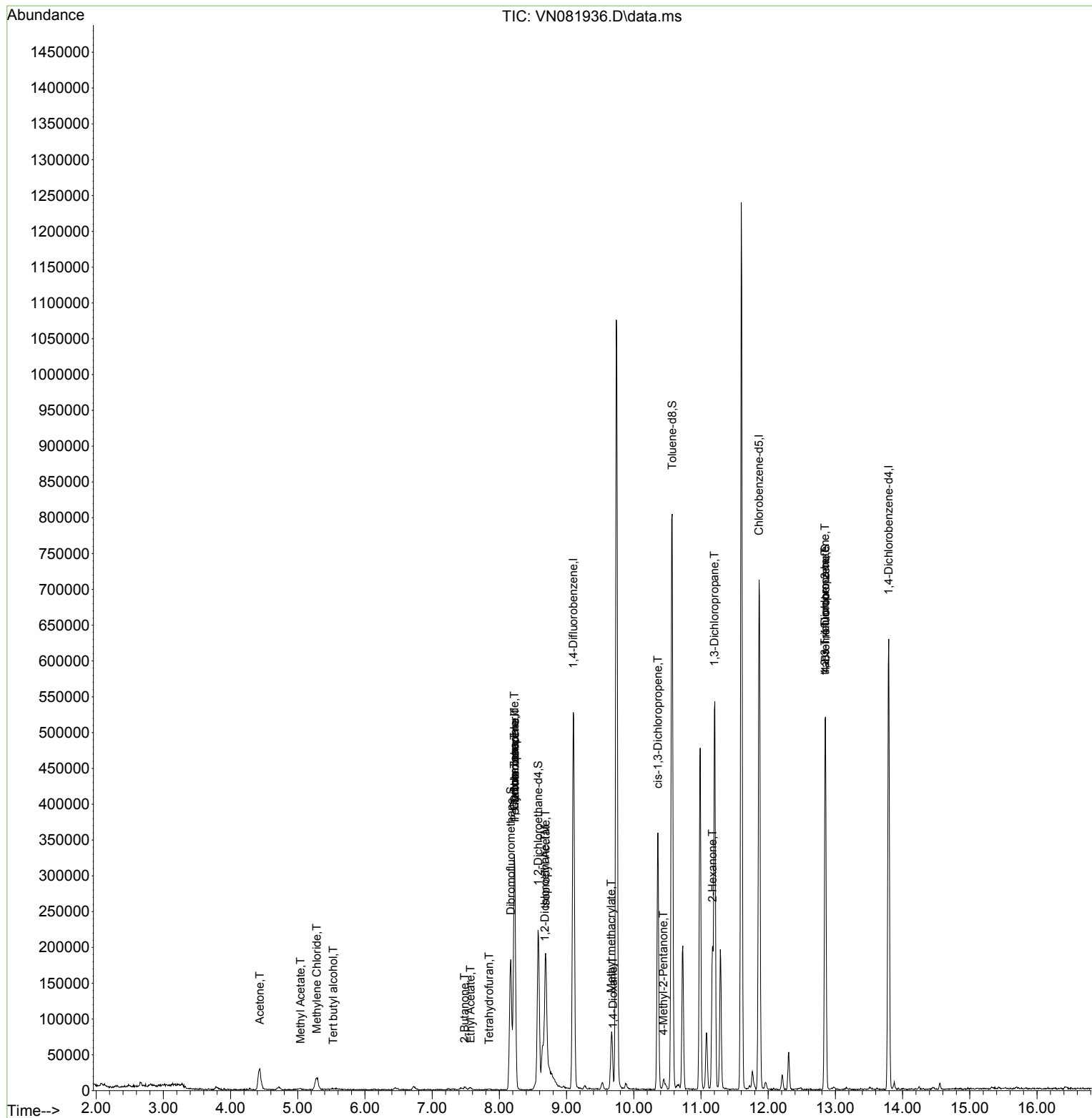
Quant Time: May 01 00:56:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

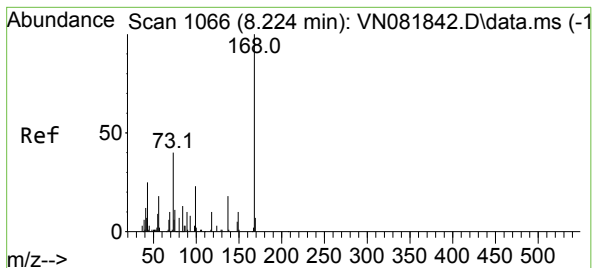
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	230910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	453649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	400798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	156653	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	174030	44.656	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.320%
35) Dibromofluoromethane	8.171	113	133594	48.911	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.820%
50) Toluene-d8	10.571	98	544802	50.787	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.580%
62) 4-Bromofluorobenzene	12.853	95	185107	43.652	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	87.300%
Target Compounds						
					Qvalue	
5) Bromomethane	2.936	94	63	Below Cal	#	3
11) Tert butyl alcohol	5.530	59	998	1.409	ug/l #	71
13) Acrolein	4.189	56	288	Below Cal		87
16) Acetone	4.436	43	55833	43.942	ug/l	97
18) Methyl Acetate	5.042	43	4488	1.137	ug/l #	72
20) Methylene Chloride	5.283	84	13306	3.984	ug/l #	87
25) 2-Butanone	7.483	43	6853	3.098	ug/l #	73
29) Tetrahydrofuran	7.847	42	963	0.607	ug/l #	71
31) Cyclohexane	8.224	56	7142	1.217	ug/l #	26
36) 1,1-Dichloropropene	8.230	75	22236	5.004	ug/l #	46
37) Ethyl Acetate	7.571	43	5704	1.187	ug/l #	92
38) Carbon Tetrachloride	8.224	117	24114	5.552	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	1777	0.359	ug/l #	73
43) Isopropyl Acetate	8.688	43	327410	36.243	ug/l #	71
48) Methyl methacrylate	9.665	41	5256	1.219	ug/l #	39
49) 1,4-Dioxane	9.694	88	54	0.824	ug/l #	1
51) 4-Methyl-2-Pentanone	10.441	43	14139	2.780	ug/l #	78
54) cis-1,3-Dichloropropene	10.359	75	66713	11.690	ug/l #	64
57) 1,3-Dichloropropane	11.200	76	6454	1.155	ug/l #	42
59) 2-Hexanone	11.171	43	178583	47.186	ug/l #	23
76) 1,2,3-Trichloropropane	12.847	75	105514	25.978	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	105514	53.232	ug/l #	12

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

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MSVOA_N
ClientSampleId :

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MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

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Instrument :

MSVOA_N

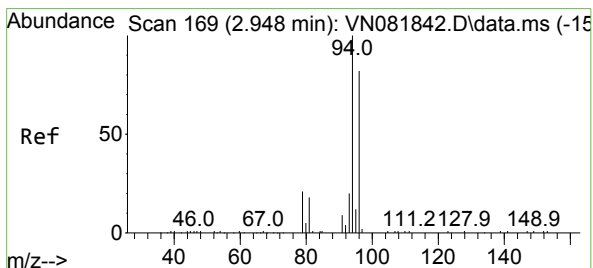
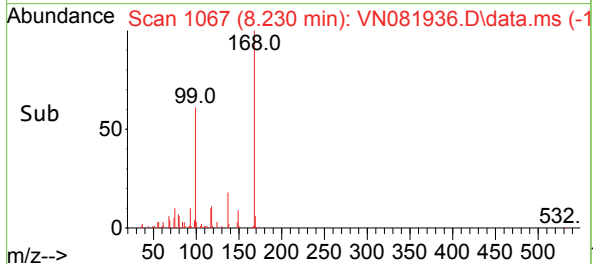
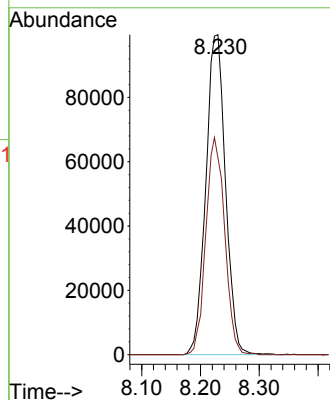
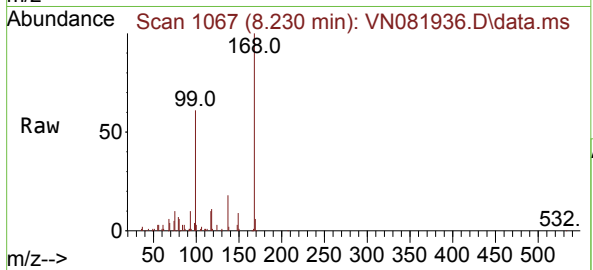
ClientSampleId :

Tgt Ion:168 Resp: 230910

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



#5

Bromomethane

Concen: Below Cal

RT: 2.936 min Scan# 167

Delta R.T. -0.012 min

Lab File: VN081936.D

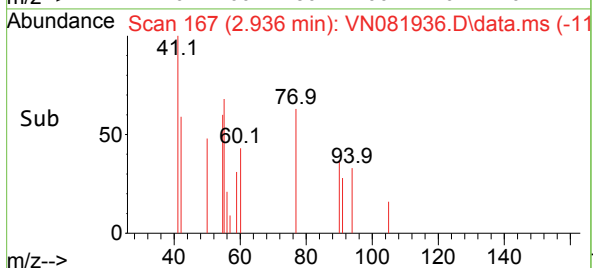
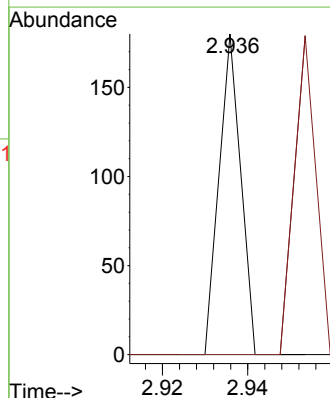
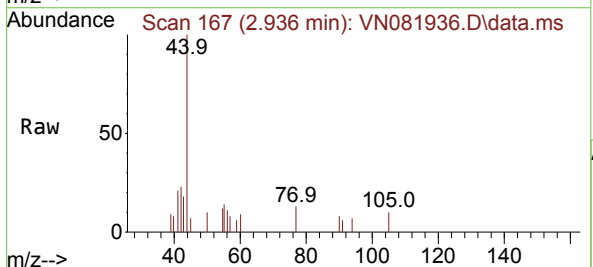
Acq: 30 Apr 2024 17:17

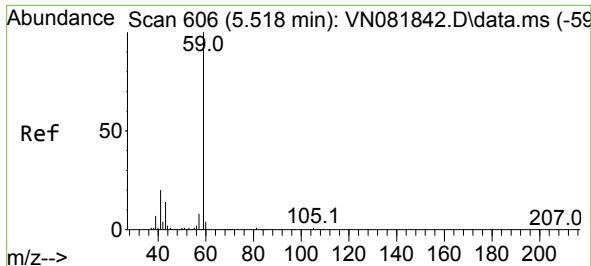
Tgt Ion: 94 Resp: 63

Ion Ratio Lower Upper

94 100

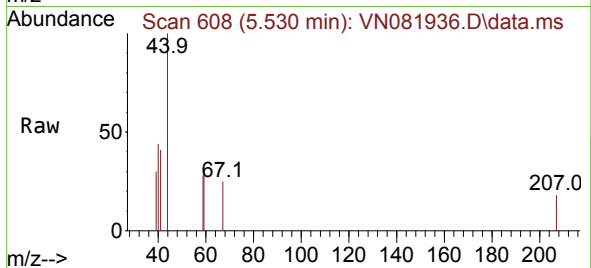
96 0.0 74.8 112.2#



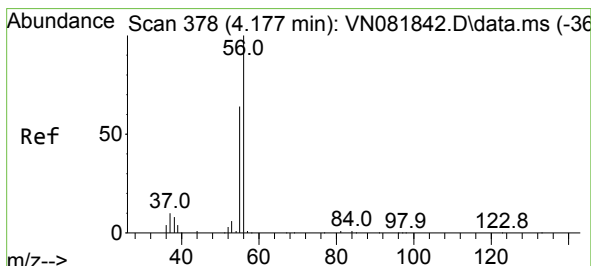
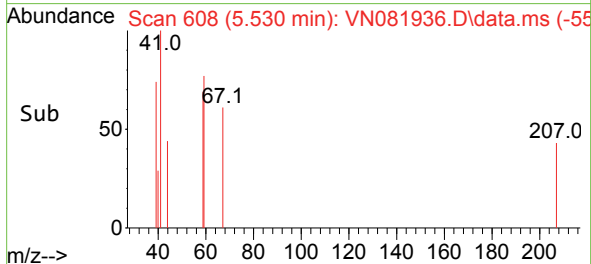
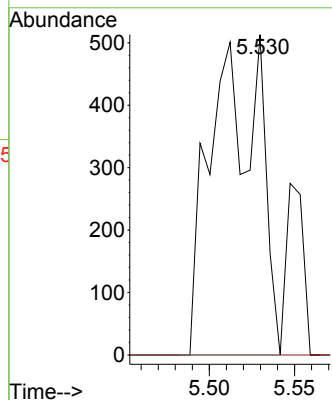


#11
Tert butyl alcohol
Concen: 1.409 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

Instrument :
MSVOA_N
ClientSampleId :

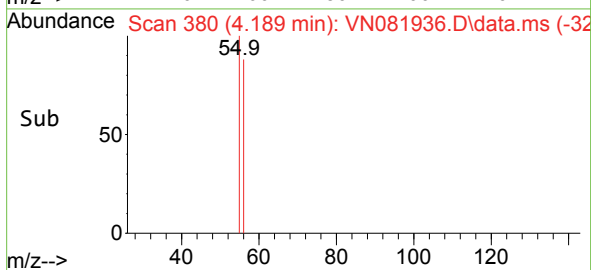
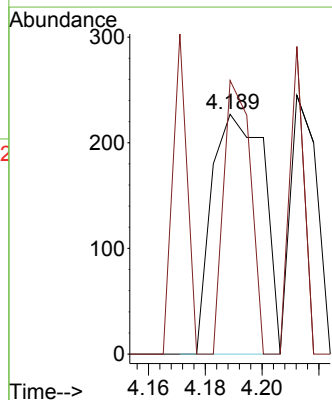
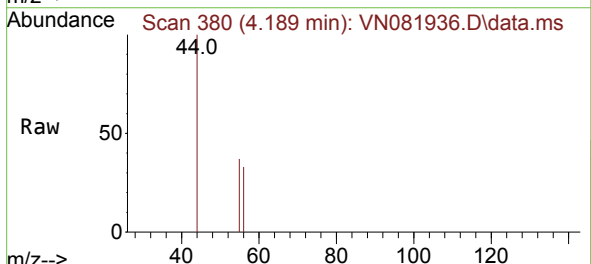


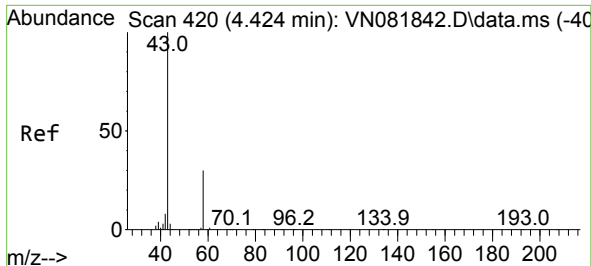
Tgt Ion: 59 Resp: 998
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: Below Cal
RT: 4.189 min Scan# 380
Delta R.T. 0.012 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

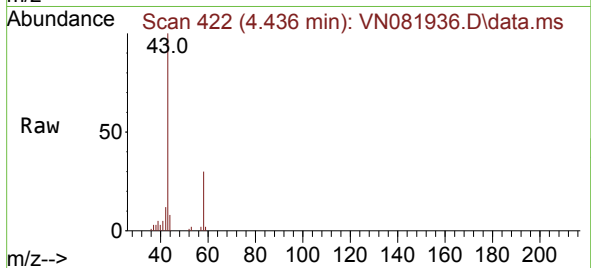
Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 59.4 55.8 83.8



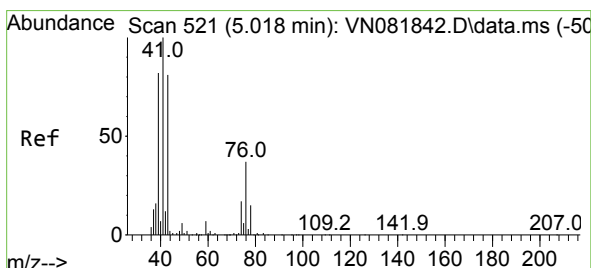
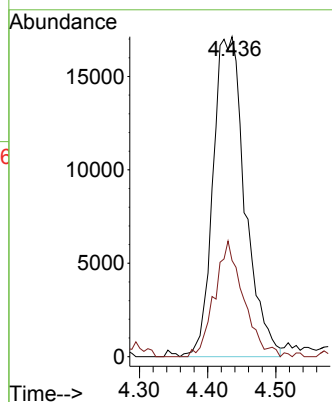
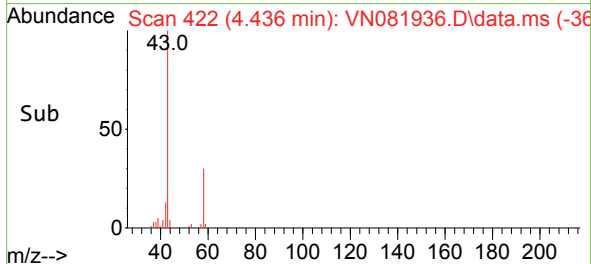


#16
Acetone
Concen: 43.942 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

Instrument :
MSVOA_N
ClientSampleId :

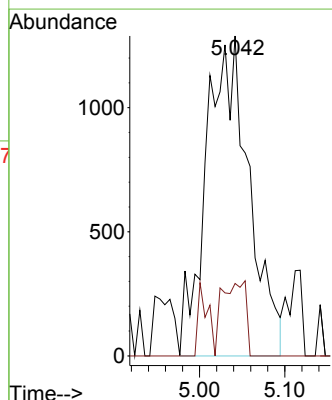
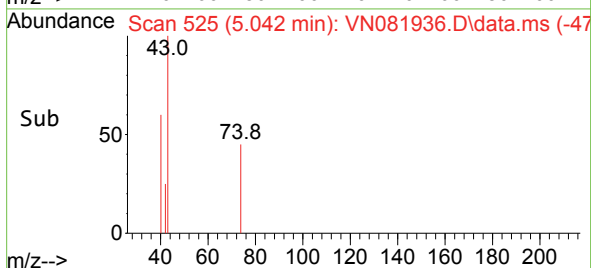
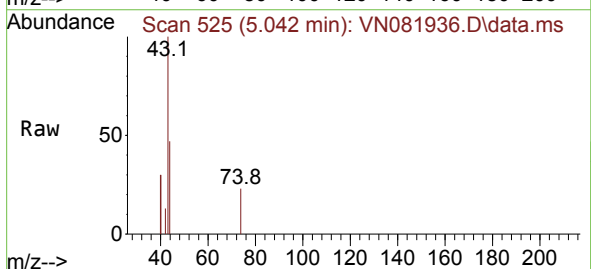


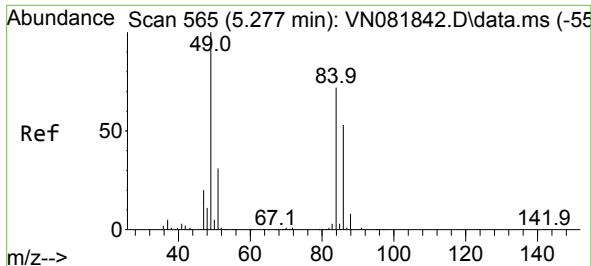
Tgt Ion: 43 Resp: 55833
Ion Ratio Lower Upper
43 100
58 30.0 25.2 37.8



#18
Methyl Acetate
Concen: 1.137 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.024 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

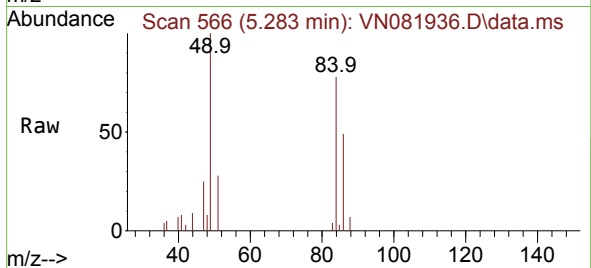
Tgt Ion: 43 Resp: 4488
Ion Ratio Lower Upper
43 100
74 13.0 22.2 33.2#



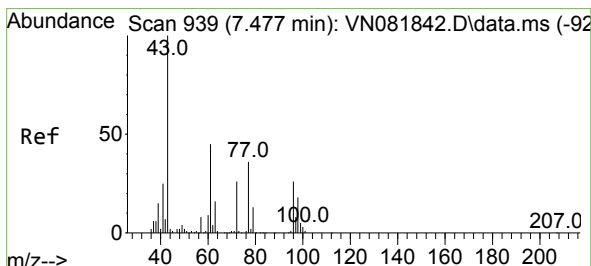
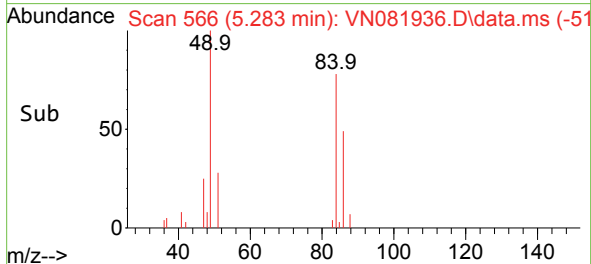
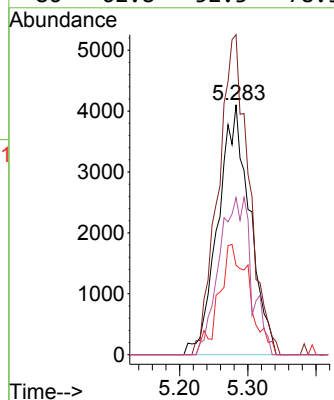


#20
Methylene Chloride
Concen: 3.984 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

Instrument :
MSVOA_N
ClientSampleId :

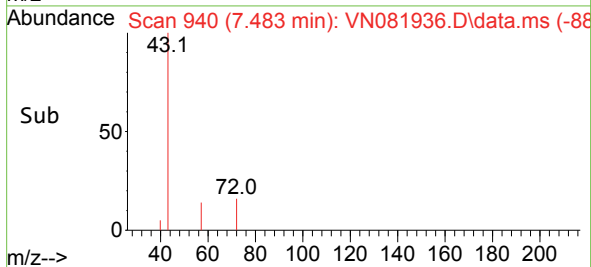
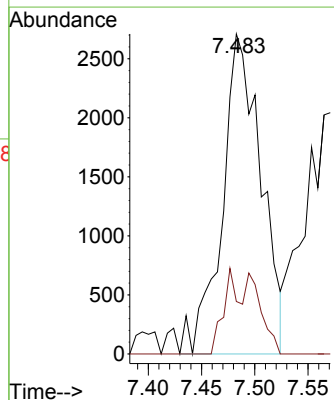
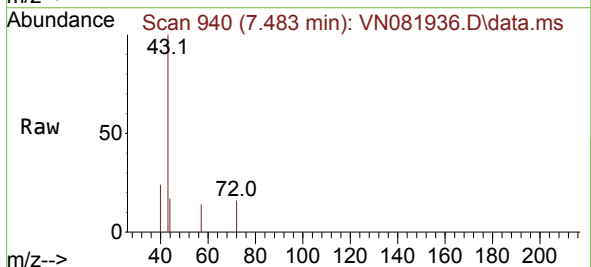


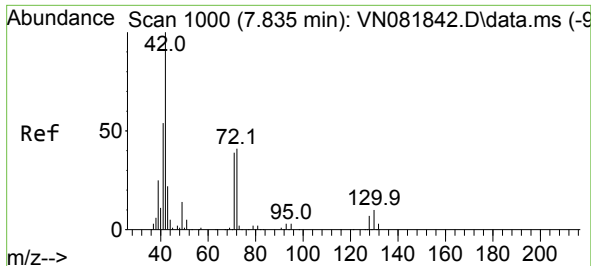
Tgt Ion: 84 Resp: 13306
Ion Ratio Lower Upper
84 100
49 128.0 84.9 127.3#
51 35.8 27.0 40.6
86 62.8 52.3 78.5



#25
2-Butanone
Concen: 3.098 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

Tgt Ion: 43 Resp: 6853
Ion Ratio Lower Upper
43 100
72 16.4 25.3 37.9#





#29

Tetrahydrofuran

Concen: 0.607 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

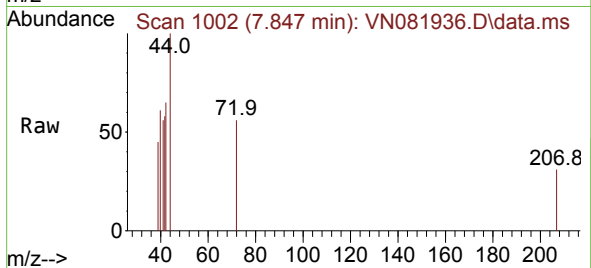
Lab File: VN081936.D

Acq: 30 Apr 2024 17:17

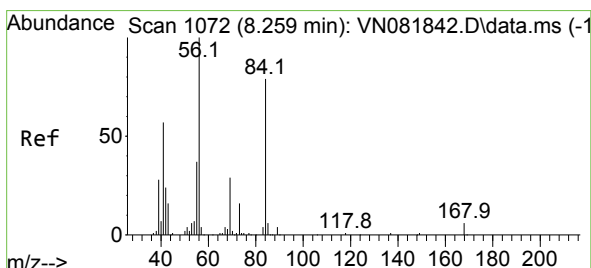
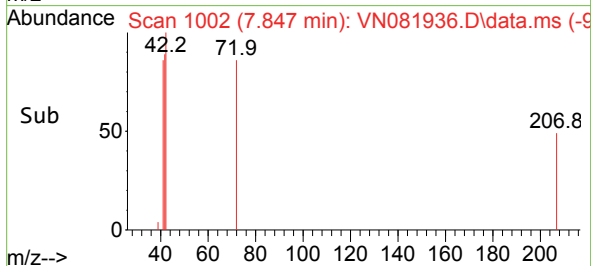
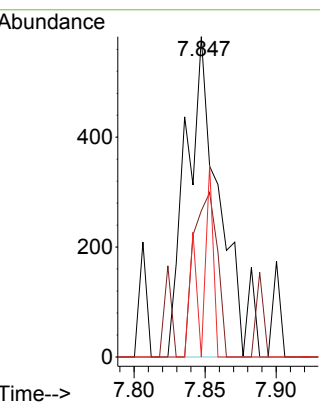
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	963
Ion Ratio	Lower	Upper	
42	100		
72	35.8	39.3	58.9#
71	21.1	37.4	56.0#



#31

Cyclohexane

Concen: 1.217 ug/l

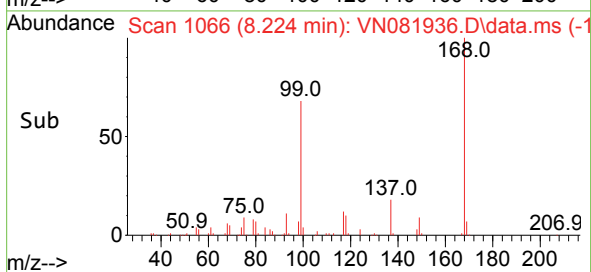
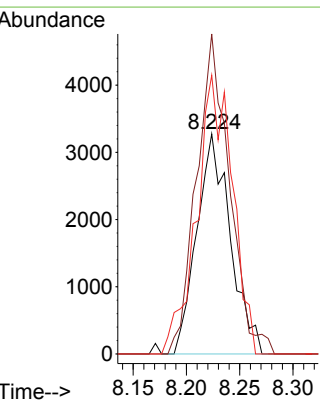
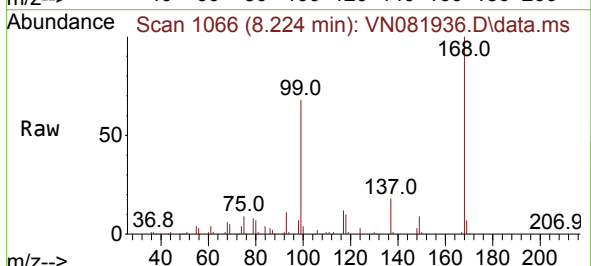
RT: 8.224 min Scan# 1066

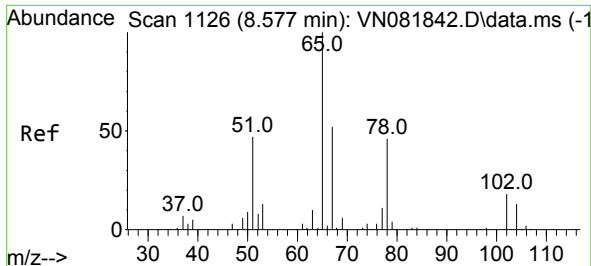
Delta R.T. -0.035 min

Lab File: VN081936.D

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Tgt Ion:	56	Resp:	7142
Ion Ratio	Lower	Upper	
56	100		
69	145.4	24.4	36.6#
84	126.7	77.0	115.4#





#33

1,2-Dichloroethane-d4

Concen: 44.656 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081936.D

Acq: 30 Apr 2024 17:17

Instrument :

MSVOA_N

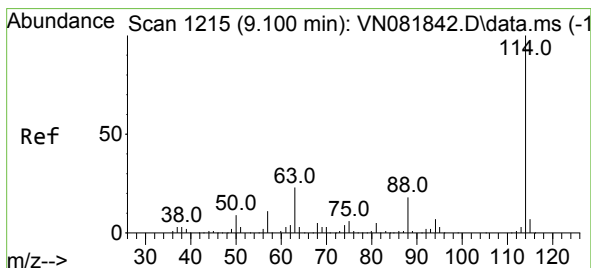
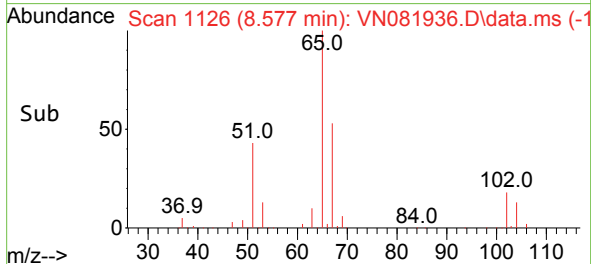
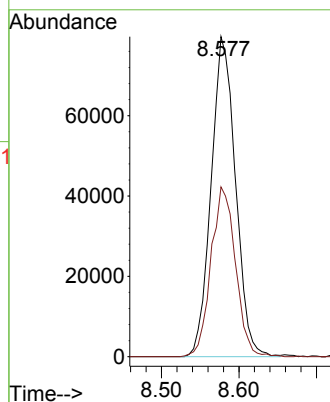
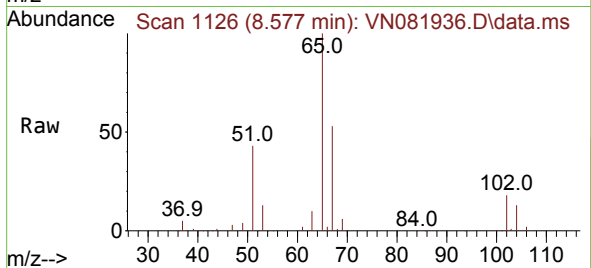
ClientSampleId :

Tgt Ion: 65 Resp: 174030

Ion Ratio Lower Upper

65 100

67 53.3 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: VN081936.D

Acq: 30 Apr 2024 17:17

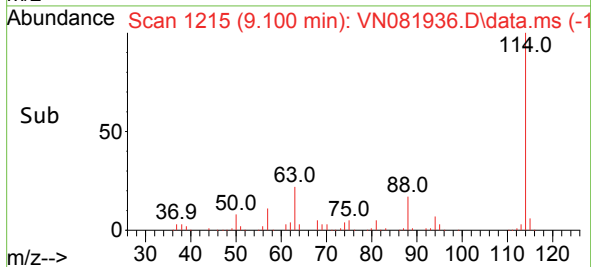
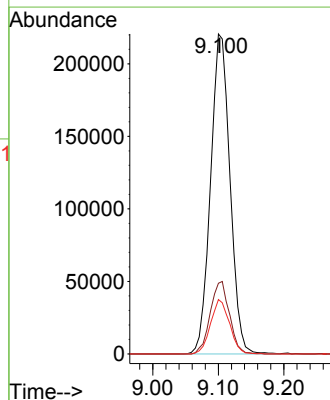
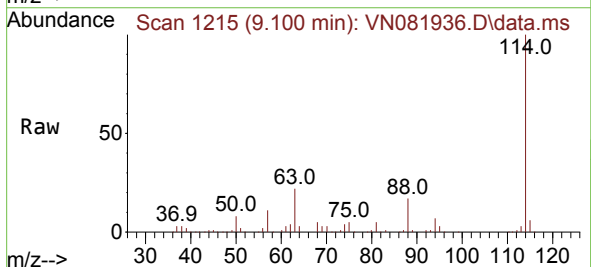
Tgt Ion: 114 Resp: 453649

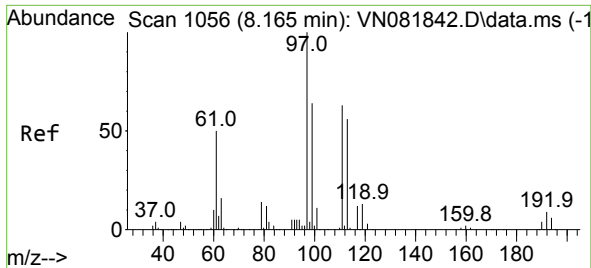
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.0

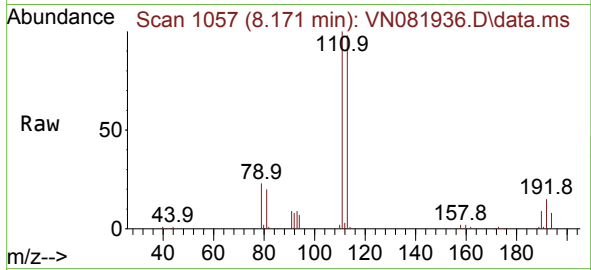
88 17.0 0.0 31.4



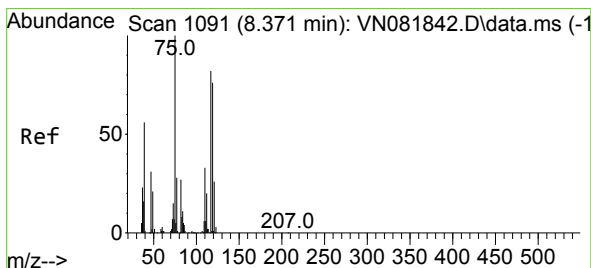
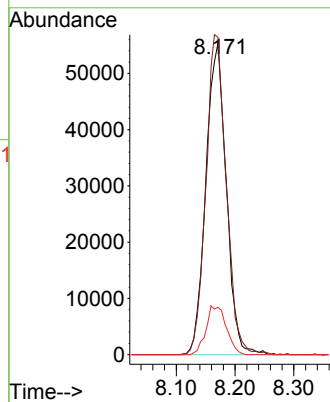
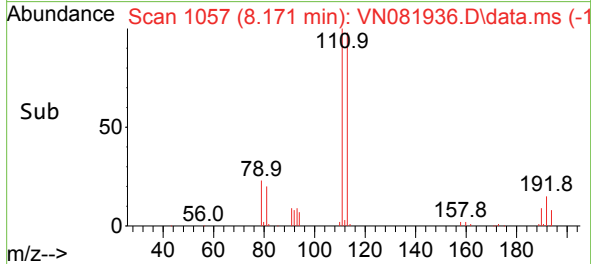


#35
Dibromofluoromethane
Concen: 48.911 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN081936.D
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Instrument :
MSVOA_N
ClientSampleId :

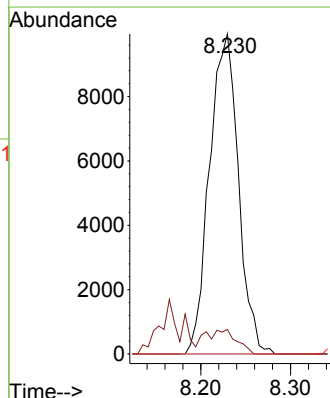
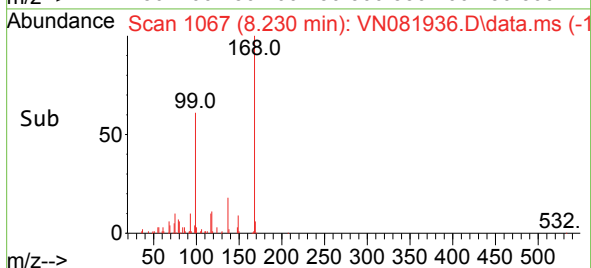
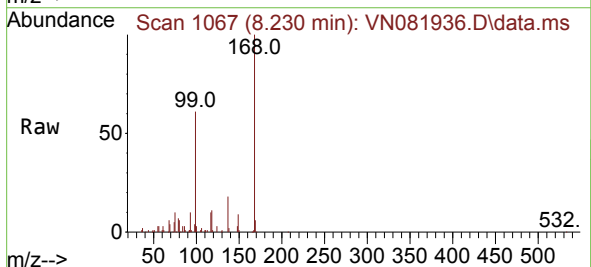


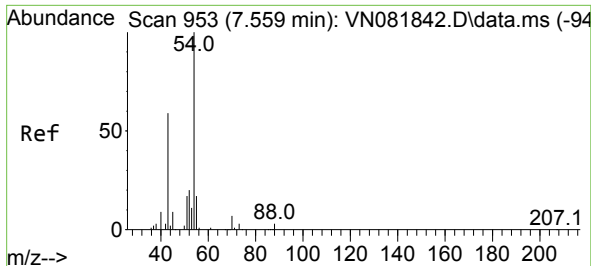
Tgt Ion:113 Resp: 133594
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 15.5 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.004 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN081936.D
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Tgt Ion: 75 Resp: 22236
Ion Ratio Lower Upper
75 100
110 5.5 17.8 53.5#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.187 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

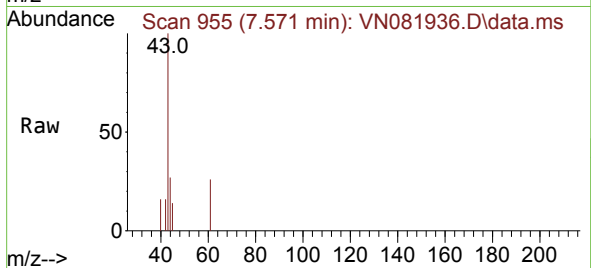
Lab File: VN081936.D

Acq: 30 Apr 2024 17:17

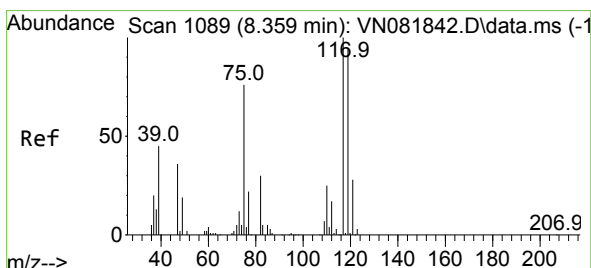
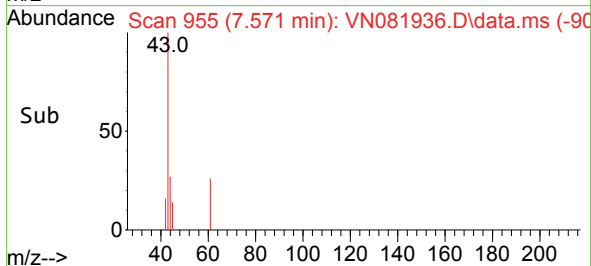
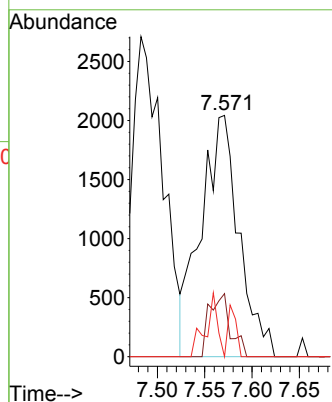
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	5704
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.3	16.9
70	4.7	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.552 ug/l

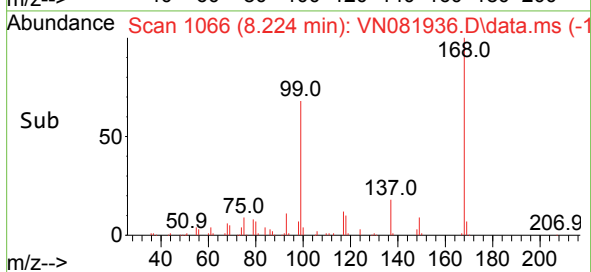
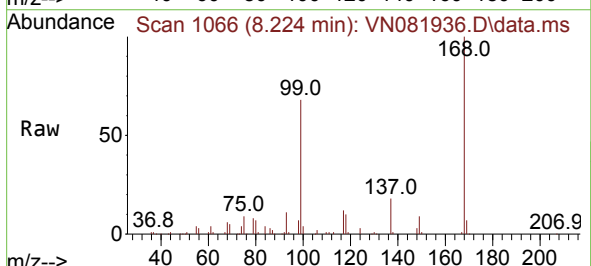
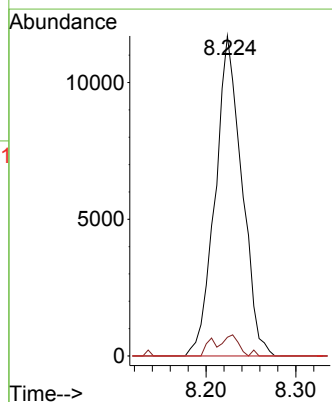
RT: 8.224 min Scan# 1066

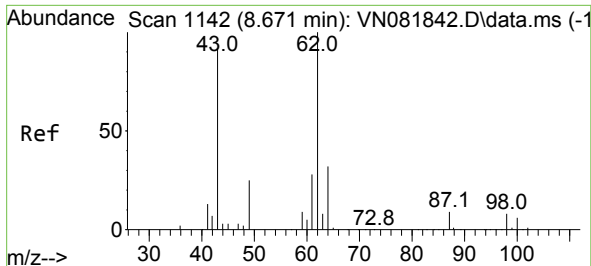
Delta R.T. -0.135 min

Lab File: VN081936.D

Acq: 30 Apr 2024 17:17

Tgt Ion:	117	Resp:	24114
Ion	Ratio	Lower	Upper
117	100		
119	5.8	76.5	114.7#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.359 ug/l

RT: 8.677 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN081936.D

Acq: 30 Apr 2024 17:17

Instrument :

MSVOA_N

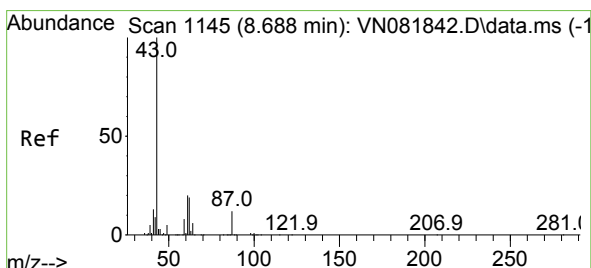
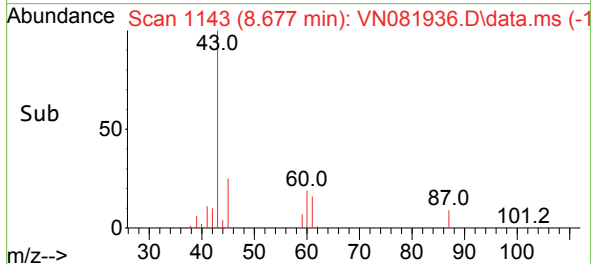
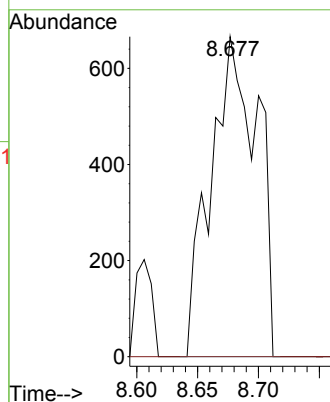
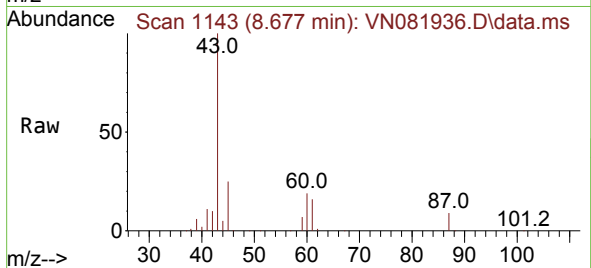
ClientSampleId :

Tgt Ion: 62 Resp: 1777

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.6



#43

Isopropyl Acetate

Concen: 36.243 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081936.D

Acq: 30 Apr 2024 17:17

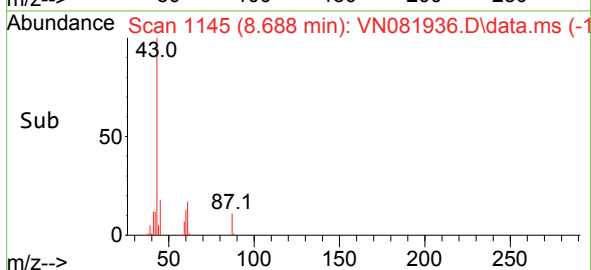
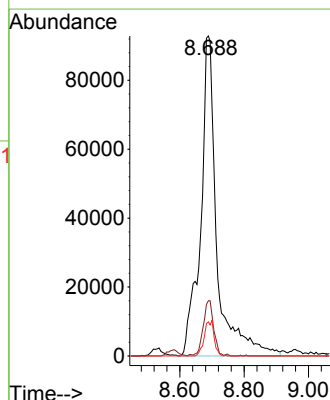
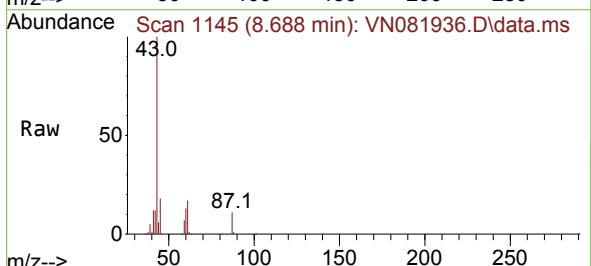
Tgt Ion: 43 Resp: 327410

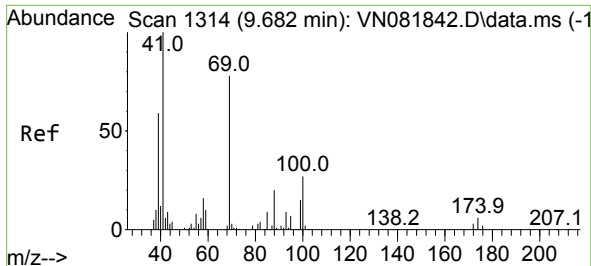
Ion Ratio Lower Upper

43 100

61 11.0 22.8 34.2#

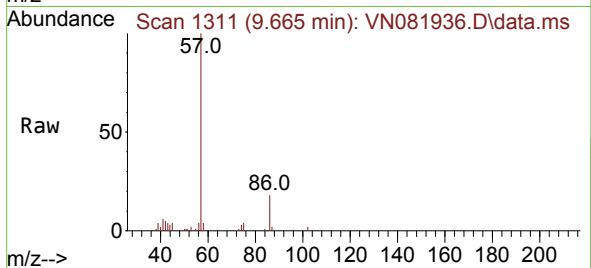
87 6.7 12.0 18.0#



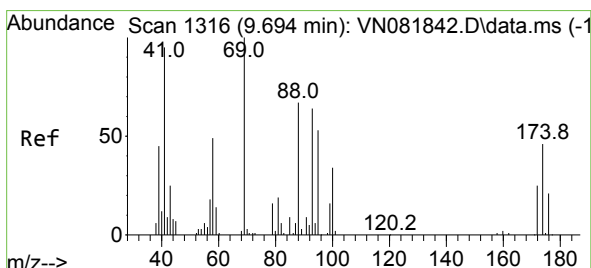
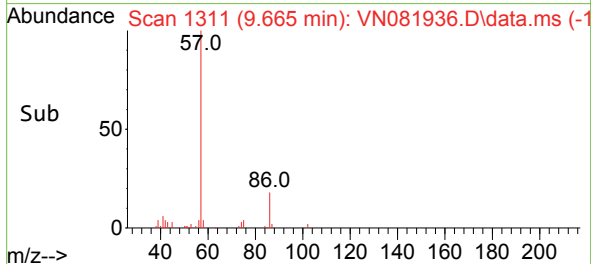
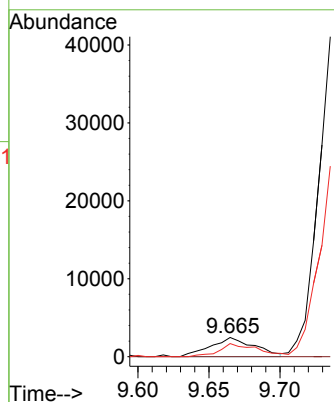


#48
Methyl methacrylate
Concen: 1.219 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

Instrument :
MSVOA_N
ClientSampleId :

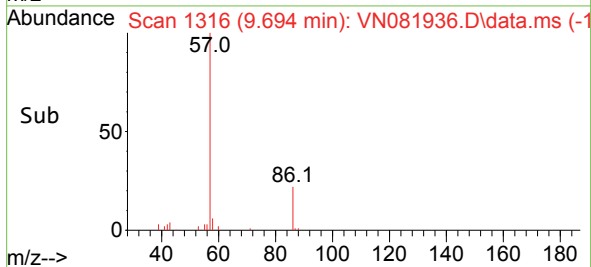
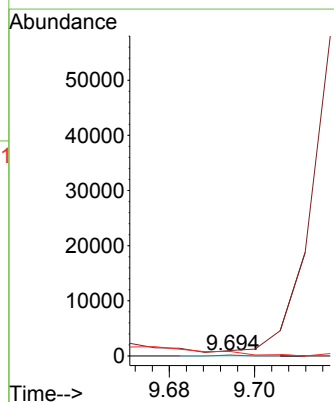
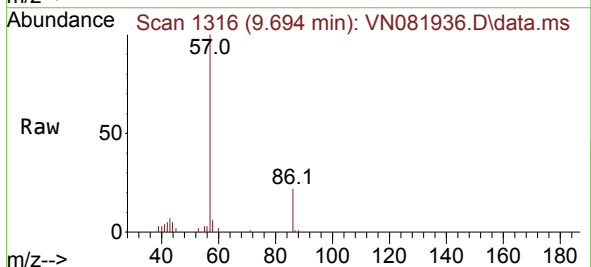


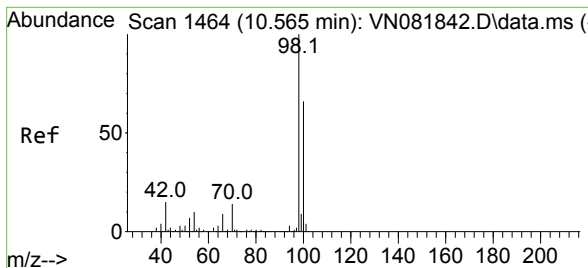
Tgt Ion: 41 Resp: 5256
Ion Ratio Lower Upper
41 100
69 0.0 77.9 116.9#
39 61.2 50.9 76.3



#49
1,4-Dioxane
Concen: 0.824 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 6763.0 50.6 76.0#

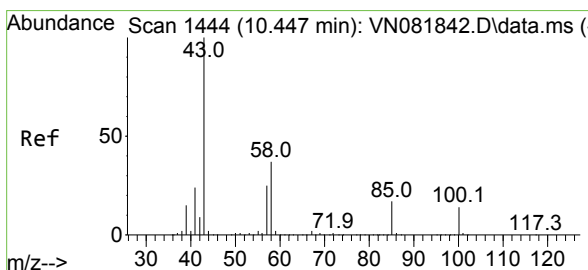
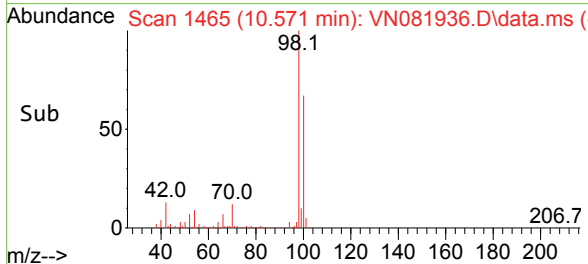
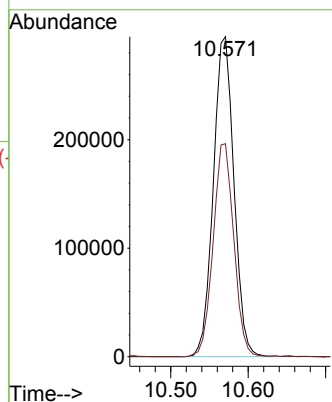
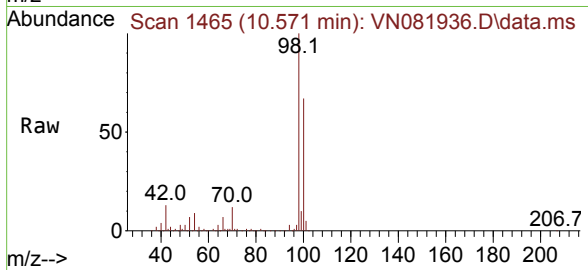




#50
Toluene-d8
Concen: 50.787 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

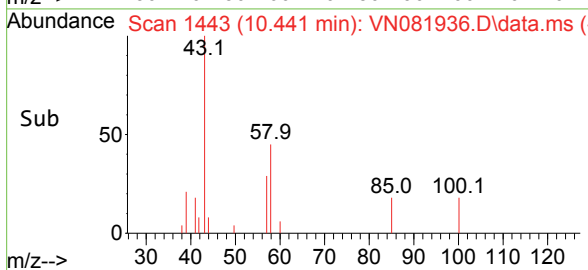
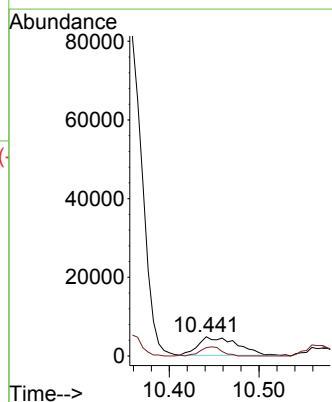
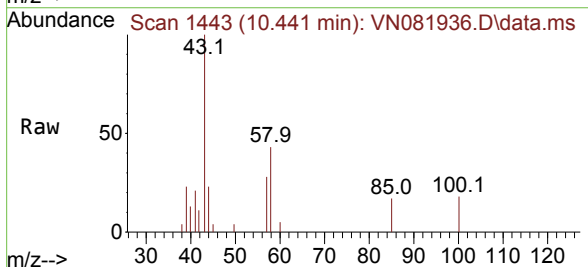
Instrument :
MSVOA_N
ClientSampleId :

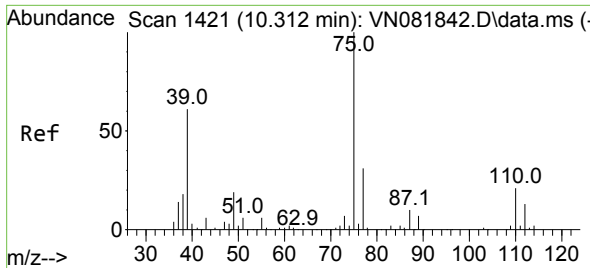
Tgt Ion: 98 Resp: 544802
Ion Ratio Lower Upper
98 100
100 66.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 2.780 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

Tgt Ion: 43 Resp: 14139
Ion Ratio Lower Upper
43 100
58 27.8 33.2 49.8#

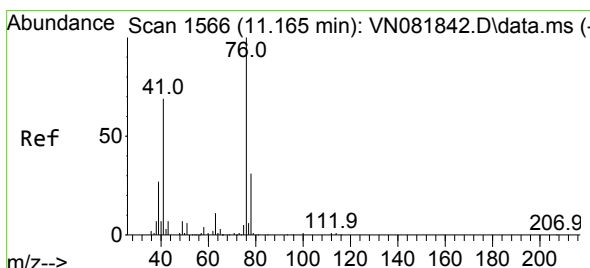
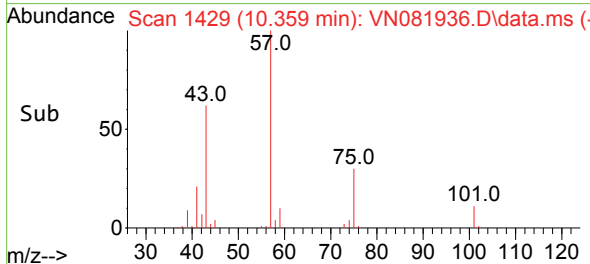
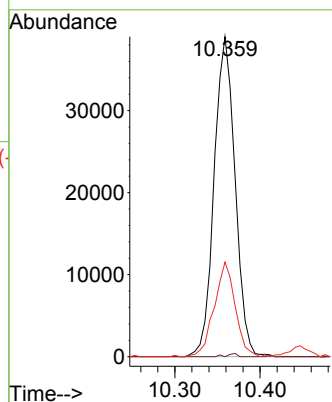
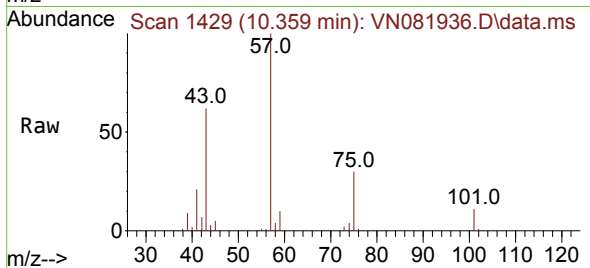




#54
 cis-1,3-Dichloropropene
 Concen: 11.690 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN081936.D
 Acq: 30 Apr 2024 17:17

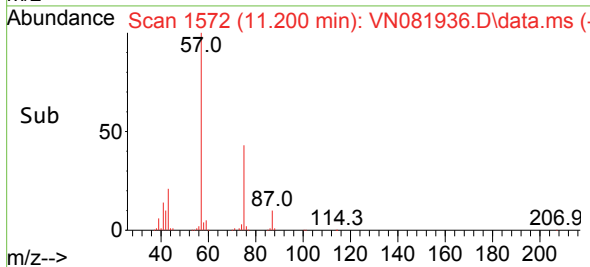
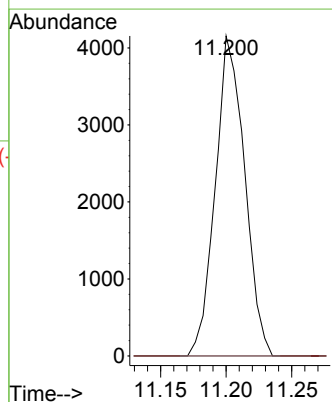
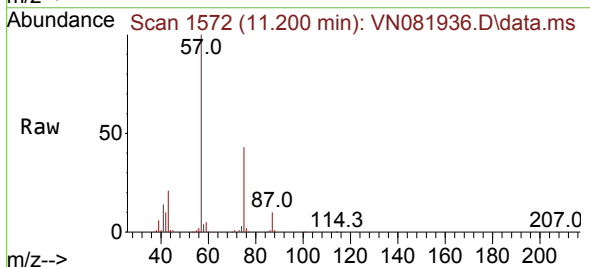
Instrument :
 MSVOA_N
 ClientSampleId :

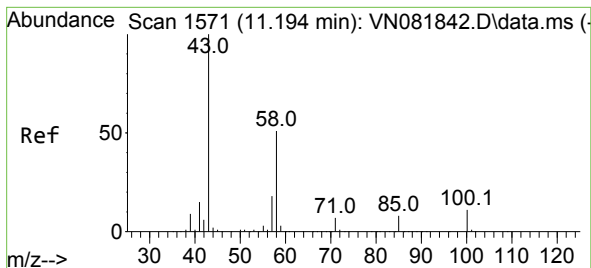
Tgt Ion: 75 Resp: 66713
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.4#
 39 29.6 34.8 52.2#



#57
 1,3-Dichloropropane
 Concen: 1.155 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.035 min
 Lab File: VN081936.D
 Acq: 30 Apr 2024 17:17

Tgt Ion: 76 Resp: 6454
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

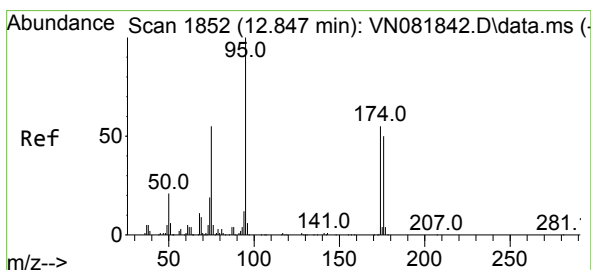
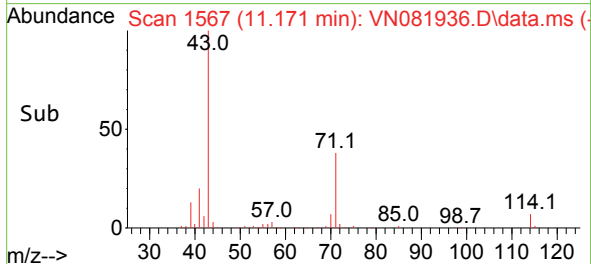
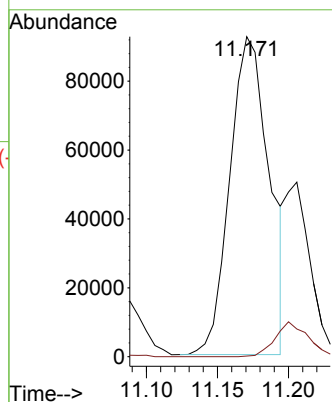
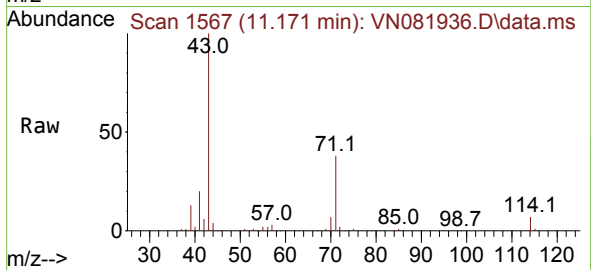




#59
2-Hexanone
Concen: 47.186 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

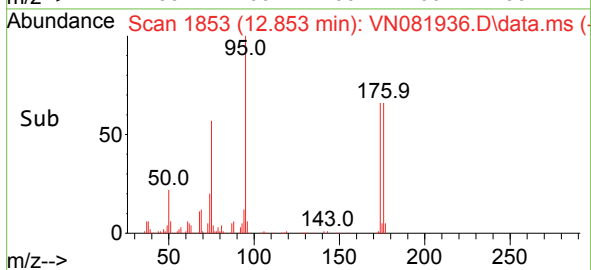
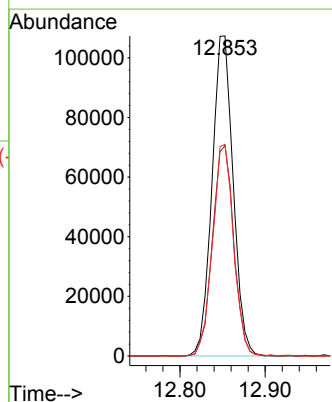
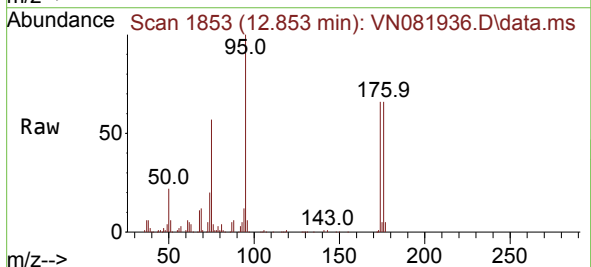
Instrument :
MSVOA_N
ClientSampleId :

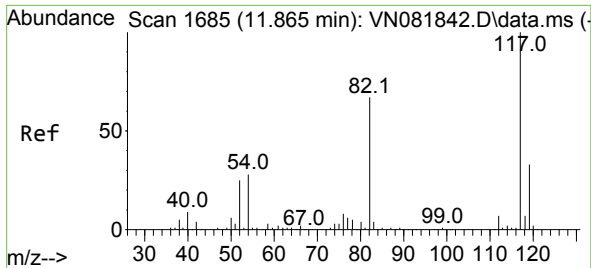
Tgt Ion: 43 Resp: 178583
Ion Ratio Lower Upper
43 100
58 0.0 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 43.652 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

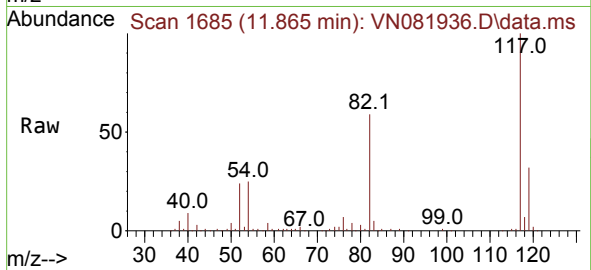
Tgt Ion: 95 Resp: 185107
Ion Ratio Lower Upper
95 100
174 66.3 0.0 160.6
176 65.5 0.0 152.8



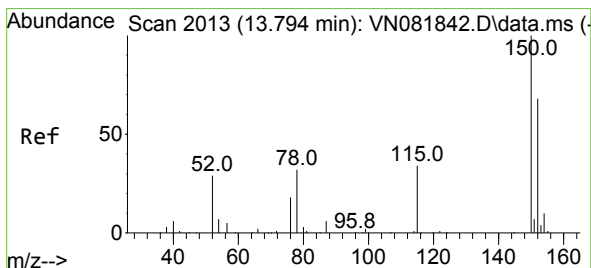
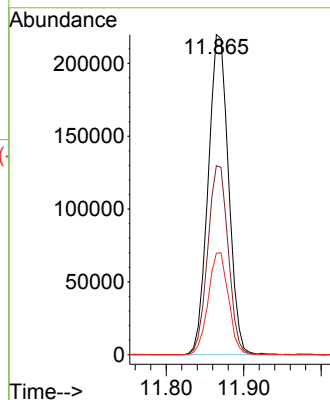
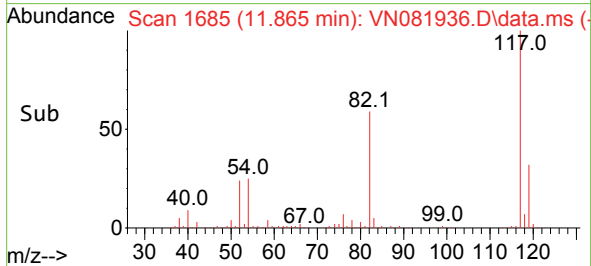


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17

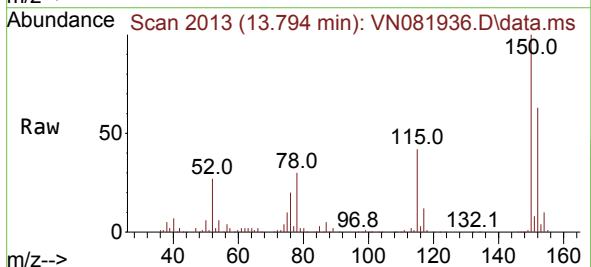
Instrument :
MSVOA_N
ClientSampleId :



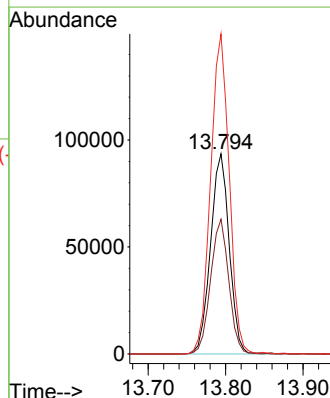
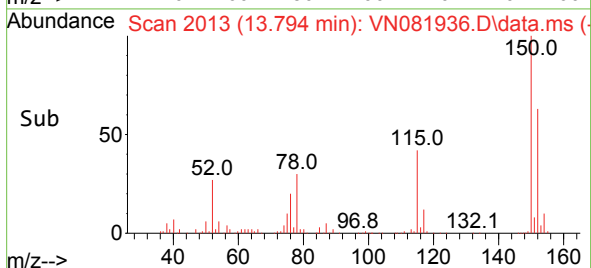
Tgt Ion:117 Resp: 400798
Ion Ratio Lower Upper
117 100
82 59.1 44.6 66.8
119 31.7 25.9 38.9

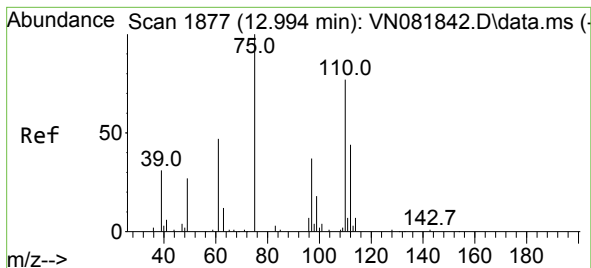


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081936.D
Acq: 30 Apr 2024 17:17



Tgt Ion:152 Resp: 156653
Ion Ratio Lower Upper
152 100
115 65.5 30.4 91.3
150 158.6 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 25.978 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081936.D

Acq: 30 Apr 2024 17:17

Instrument :

MSVOA_N

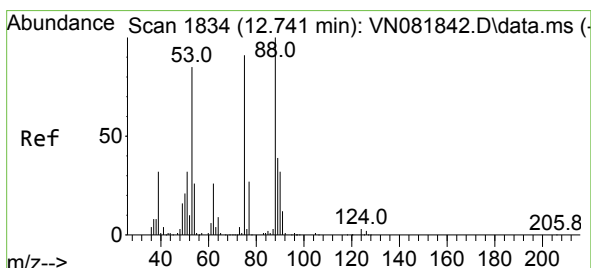
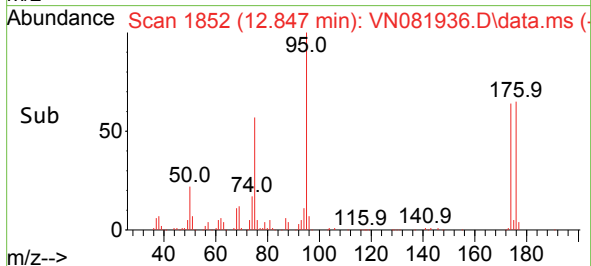
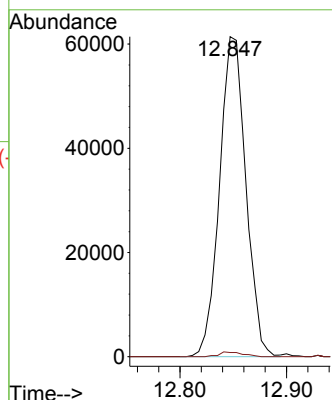
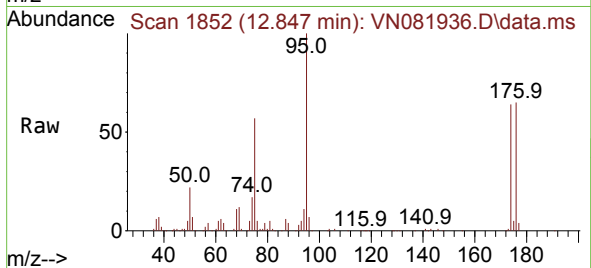
ClientSampleId :

Tgt Ion: 75 Resp: 105514

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.232 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081936.D

Acq: 30 Apr 2024 17:17

Tgt Ion: 75 Resp: 105514

Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#

