

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031924\
 Data File : VN081471.D
 Acq On : 19 Mar 2024 15:21
 Operator : JC\MD
 Sample : P1780-01 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2011

Quant Time: Mar 20 01:18:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

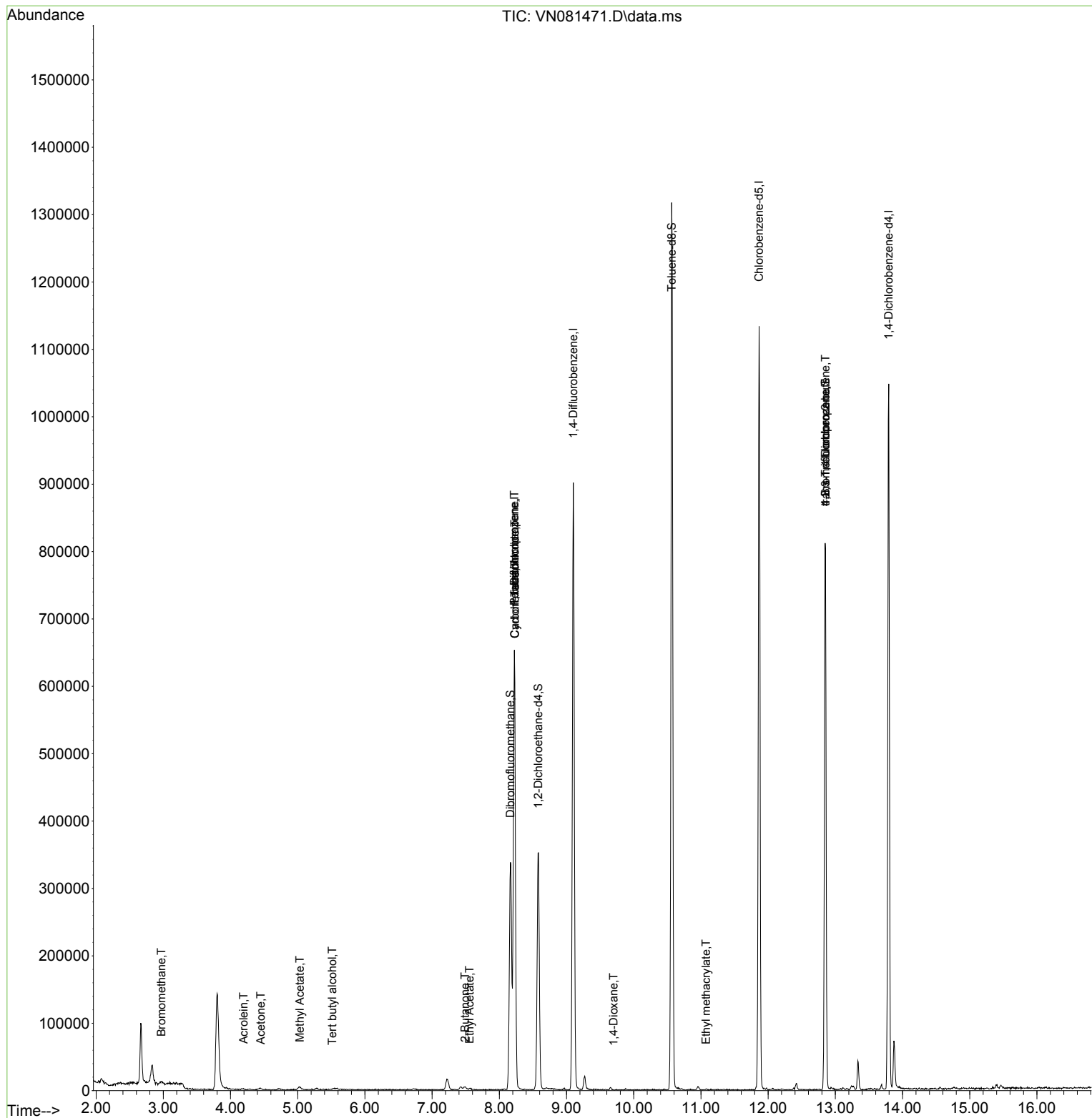
Internal Standards						
1) Pentafluorobenzene	8.224	168	459370	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	786016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	672964	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	280945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	292007	49.846	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.700%
35) Dibromofluoromethane	8.165	113	245811	49.553	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.100%
50) Toluene-d8	10.565	98	908366	50.657	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.320%
62) 4-Bromofluorobenzene	12.853	95	282745	44.749	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	89.500%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	1824	0.373	ug/l #	76
11) Tert butyl alcohol	5.512	59	340	0.333	ug/l #	72
13) Acrolein	4.195	56	1008	1.100	ug/l #	15
16) Acetone	4.448	43	4362	2.304	ug/l #	80
18) Methyl Acetate	5.030	43	6893	1.181	ug/l #	87
25) 2-Butanone	7.489	43	7318	2.254	ug/l #	83
31) Cyclohexane	8.230	56	10392	1.090	ug/l #	11
36) 1,1-Dichloropropene	8.224	75	38398	4.600	ug/l #	51
37) Ethyl Acetate	7.559	43	3752	0.525	ug/l #	73
38) Carbon Tetrachloride	8.230	117	50467	5.519	ug/l #	17
49) 1,4-Dioxane	9.700	88	53	0.404	ug/l #	18
56) Ethyl methacrylate	11.077	69	58	0.577	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	148414	22.084	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	148414	59.679	ug/l #	14

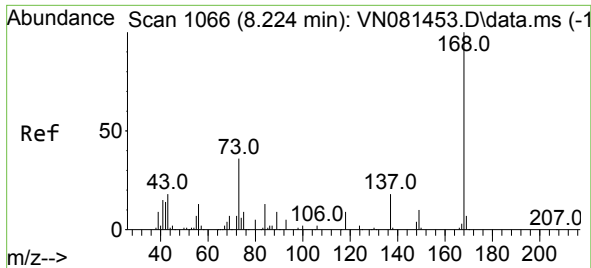
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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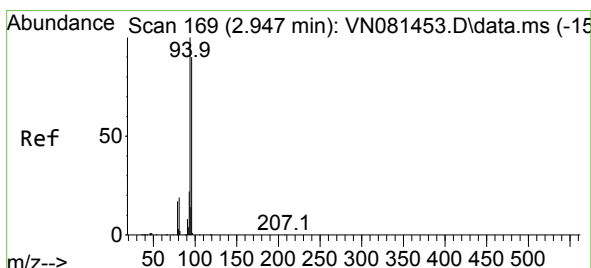
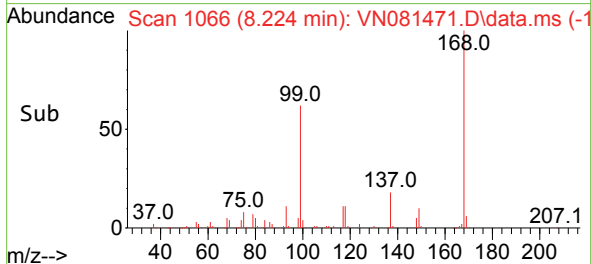
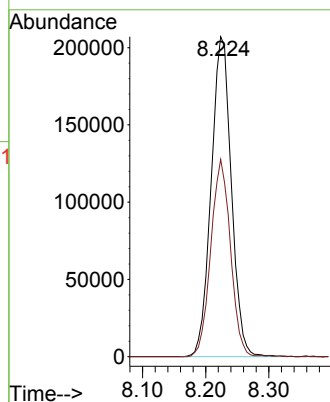
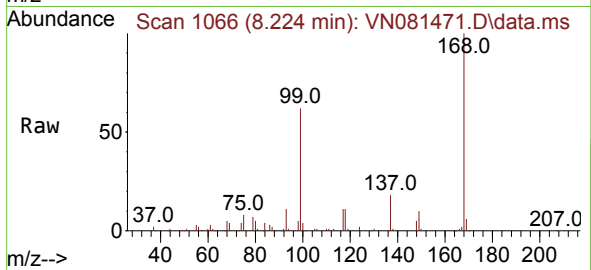




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

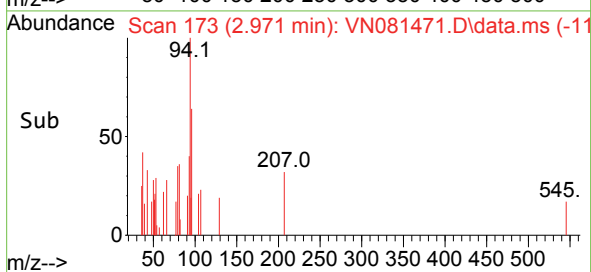
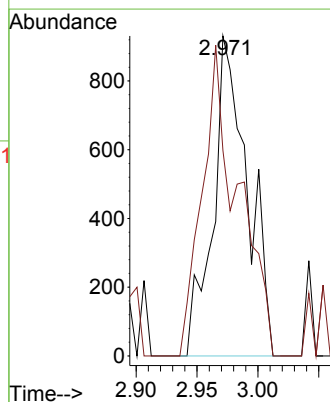
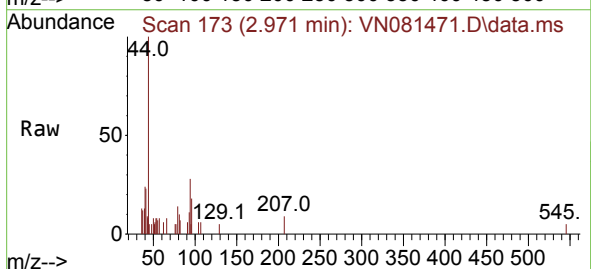
Instrument :
MSVOA_N
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2011

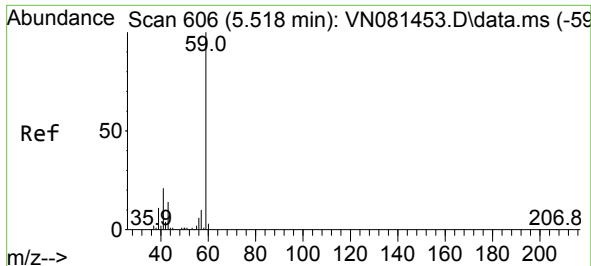
Tgt Ion:168 Resp: 459370
Ion Ratio Lower Upper
168 100
99 61.6 59.9 89.9



#5
Bromomethane
Concen: 0.373 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

Tgt Ion: 94 Resp: 1824
Ion Ratio Lower Upper
94 100
96 64.2 69.2 103.8#

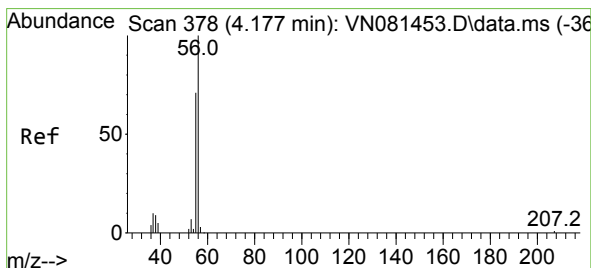
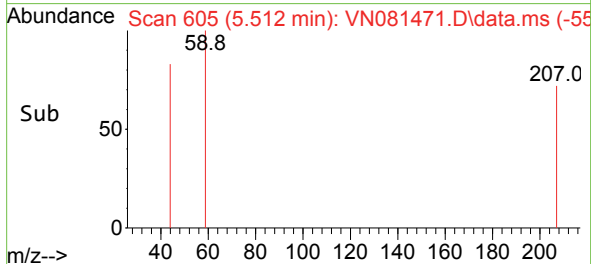
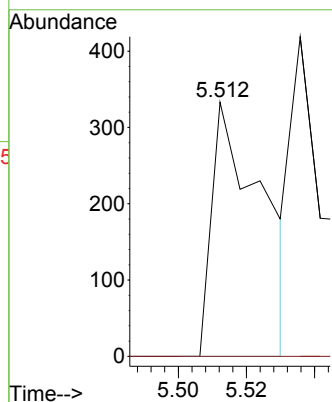
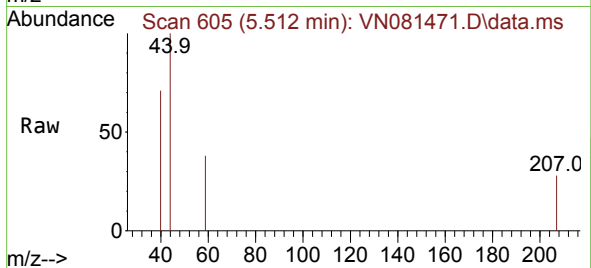




#11
Tert butyl alcohol
Concen: 0.333 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

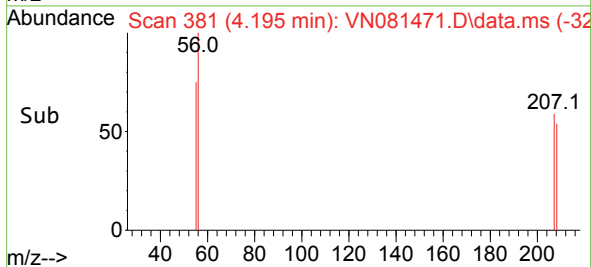
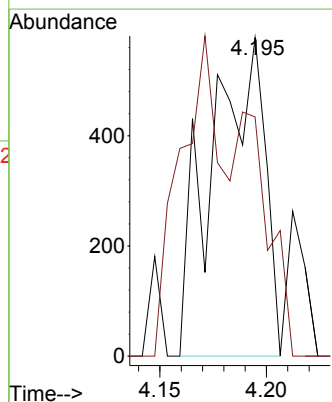
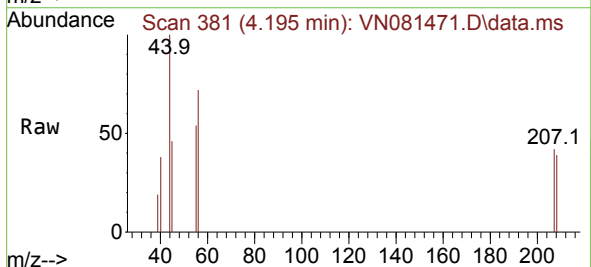
Instrument :
MSVOA_N
ClientSampleId :
2011

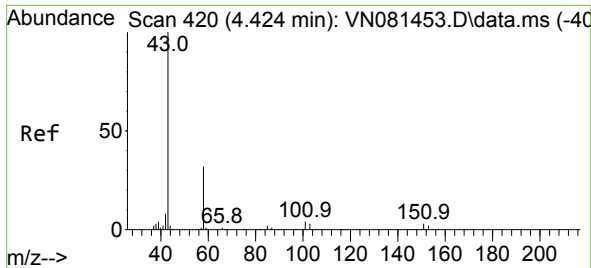
Tgt Ion: 59 Resp: 340
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.100 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

Tgt Ion: 56 Resp: 1008
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#

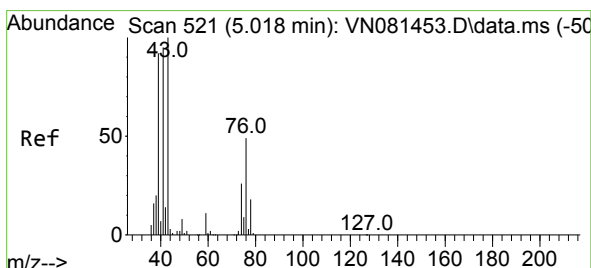
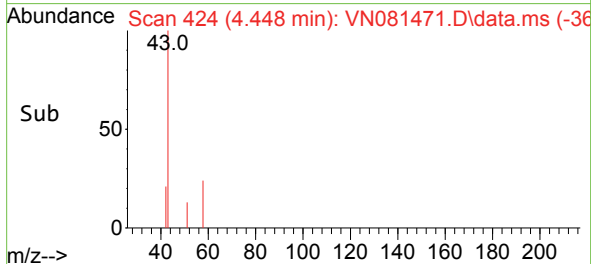
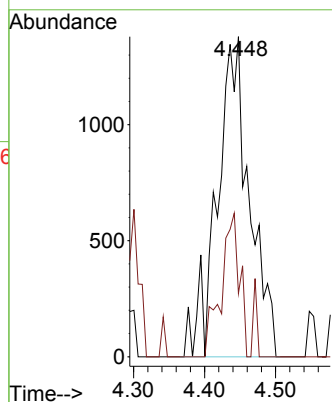
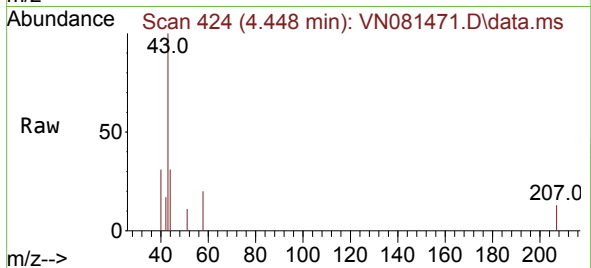




#16
Acetone
Concen: 2.304 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

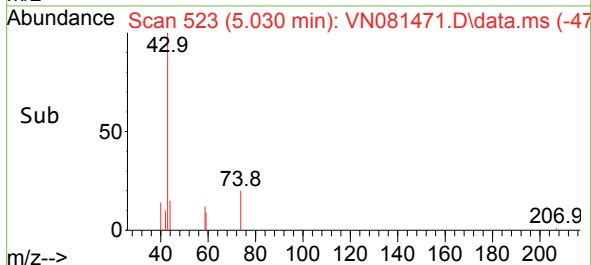
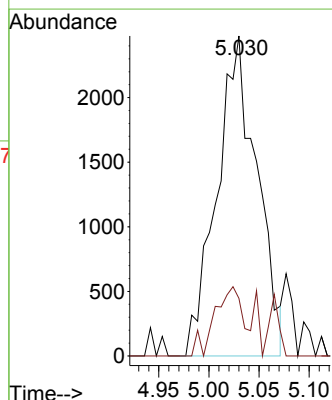
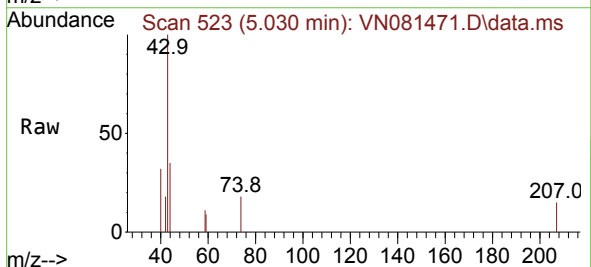
Instrument :
MSVOA_N
ClientSampleId :
2011

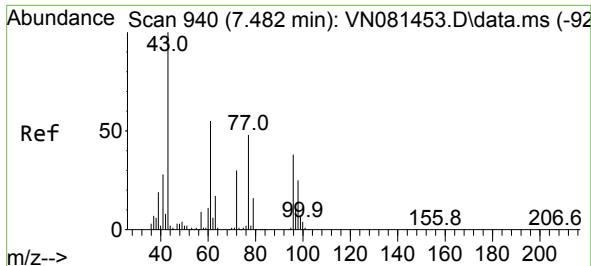
Tgt Ion: 43 Resp: 4362
Ion Ratio Lower Upper
43 100
58 19.8 24.8 37.2#



#18
Methyl Acetate
Concen: 1.181 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

Tgt Ion: 43 Resp: 6893
Ion Ratio Lower Upper
43 100
74 15.5 17.3 25.9#

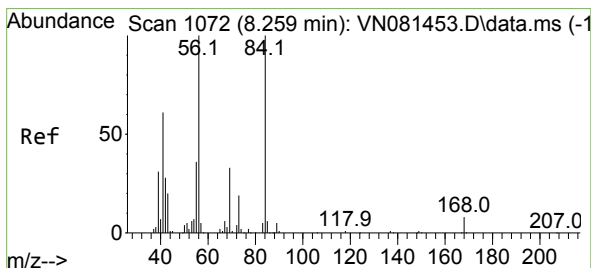
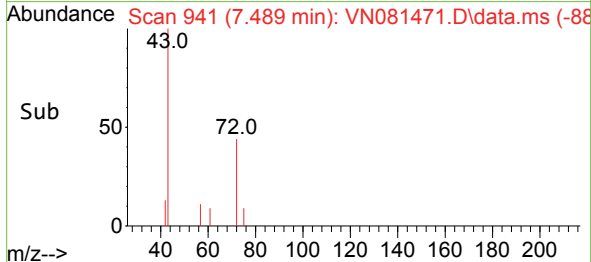
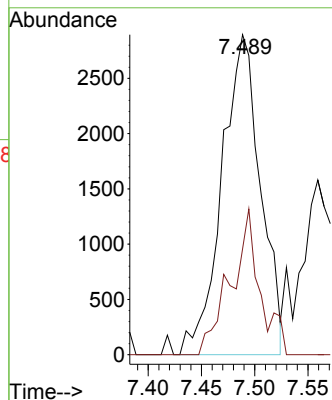
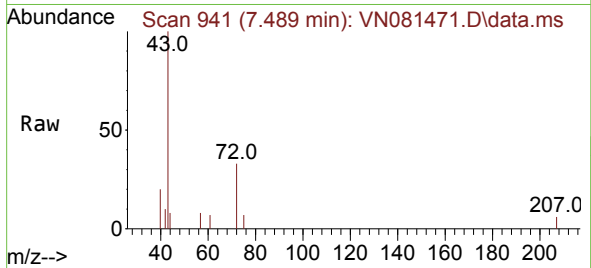




#25
2-Butanone
Concen: 2.254 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

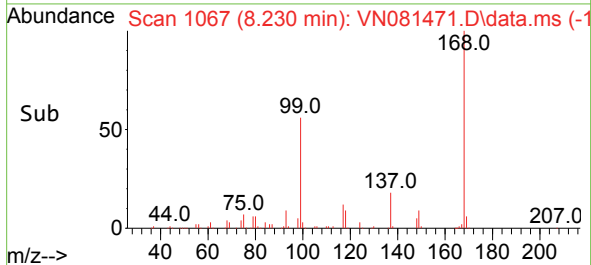
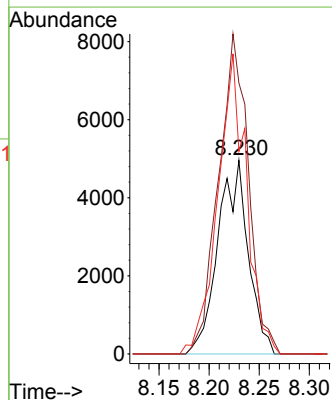
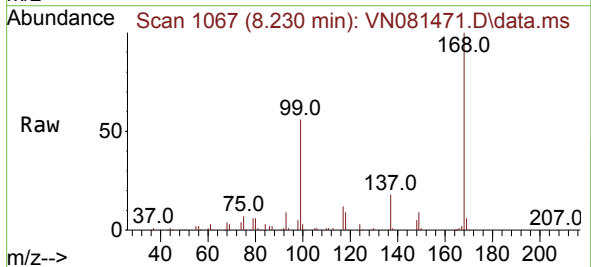
Instrument :
MSVOA_N
ClientSampleId :
2011

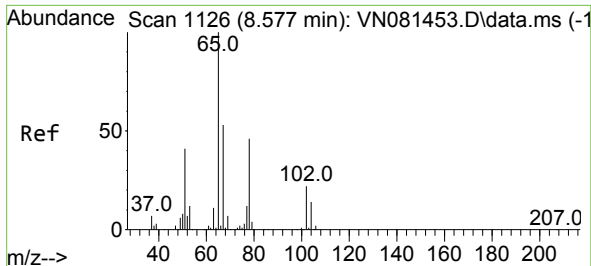
Tgt Ion: 43 Resp: 7318
Ion Ratio Lower Upper
43 100
72 33.1 19.5 29.3#



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

Tgt Ion: 56 Resp: 10392
Ion Ratio Lower Upper
56 100
69 139.8 20.1 30.1#
84 104.6 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 49.846 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081471.D

Acq: 19 Mar 2024 15:21

Instrument :

MSVOA_N

ClientSampleId :

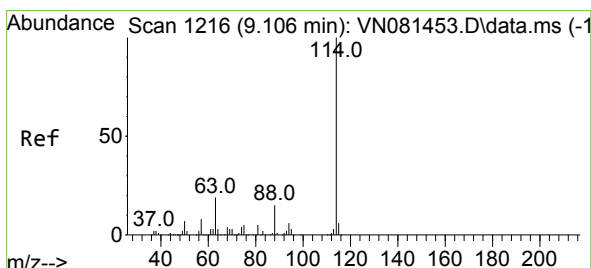
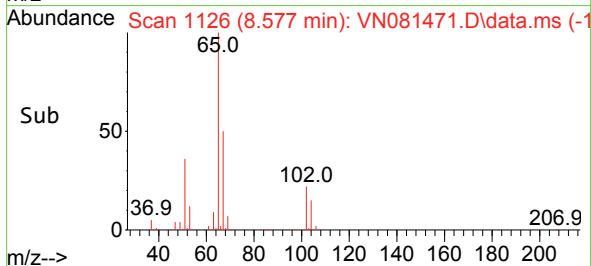
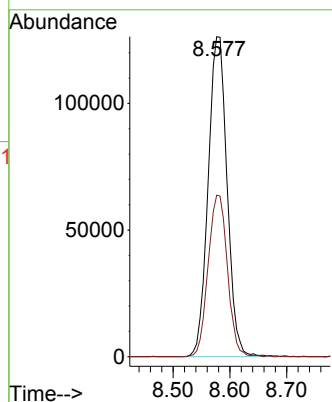
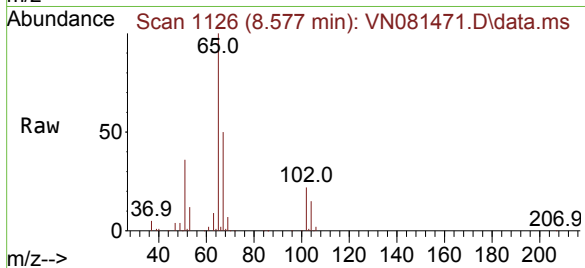
2011

Tgt Ion: 65 Resp: 292007

Ion Ratio Lower Upper

65 100

67 51.3 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081471.D

Acq: 19 Mar 2024 15:21

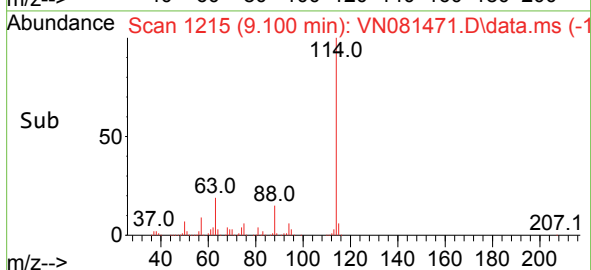
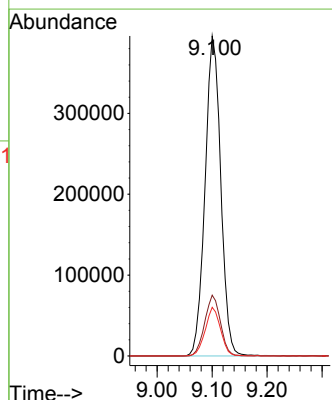
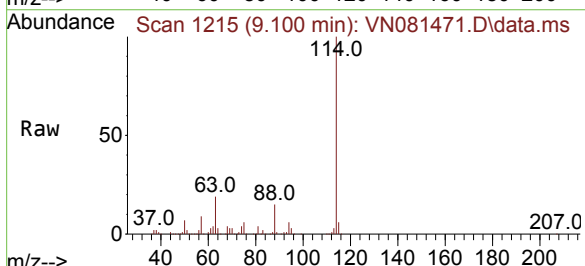
Tgt Ion: 114 Resp: 786016

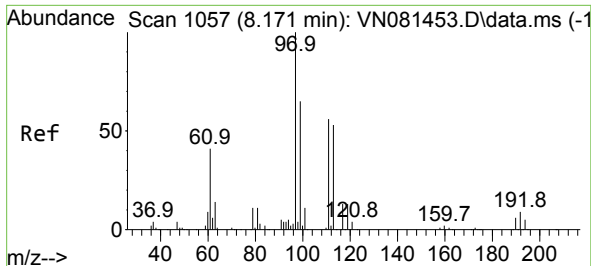
Ion Ratio Lower Upper

114 100

63 19.0 0.0 48.0

88 15.2 0.0 34.8

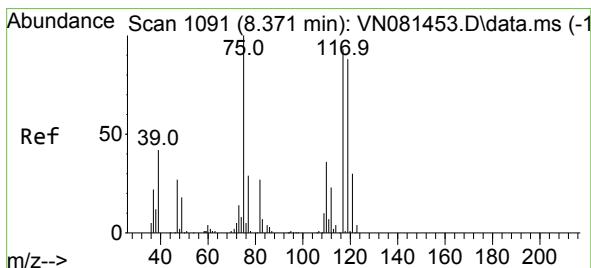
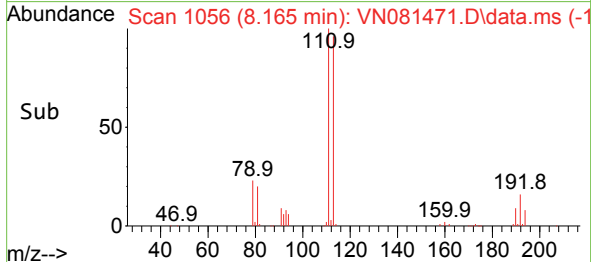
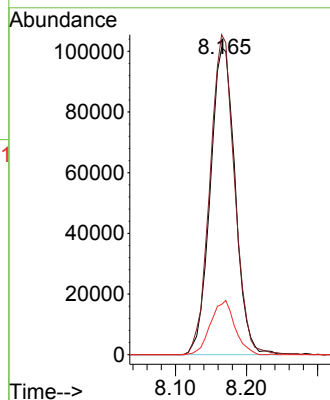
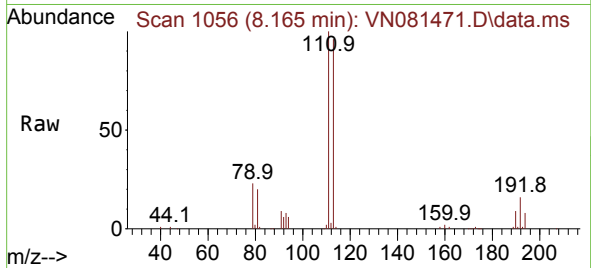




#35
Dibromofluoromethane
Concen: 49.553 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

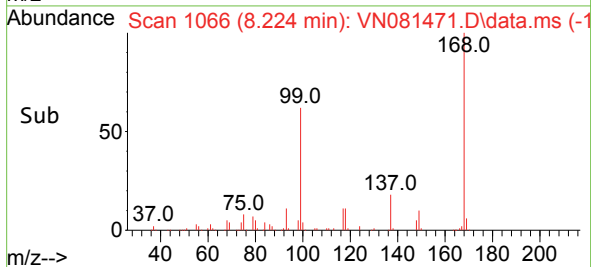
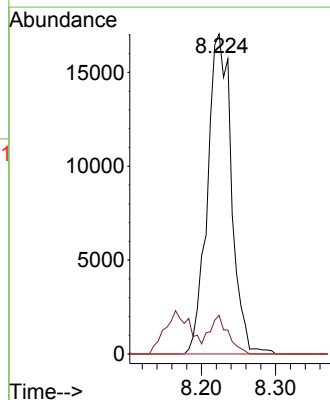
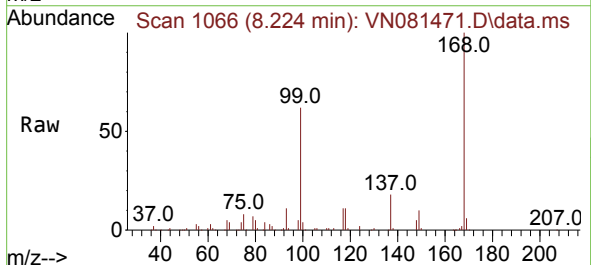
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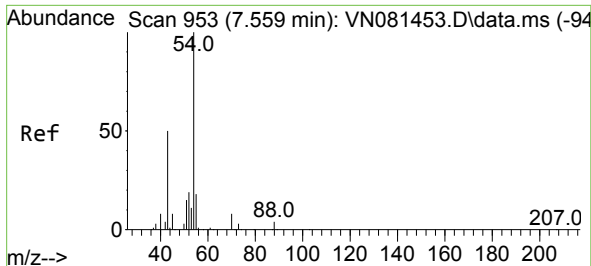
Tgt Ion:113 Resp: 245811
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 17.3 12.5 18.7



#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

Tgt Ion: 75 Resp: 38398
Ion Ratio Lower Upper
75 100
110 9.4 16.0 48.0#
77 0.0 25.8 38.6#

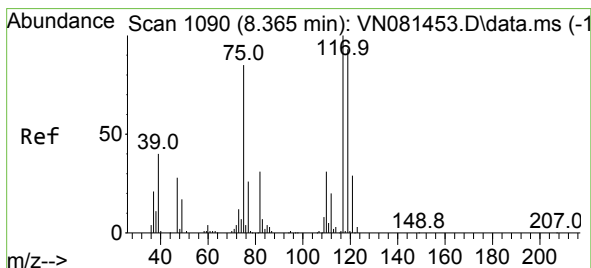
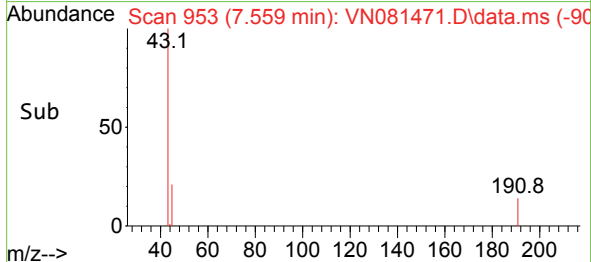
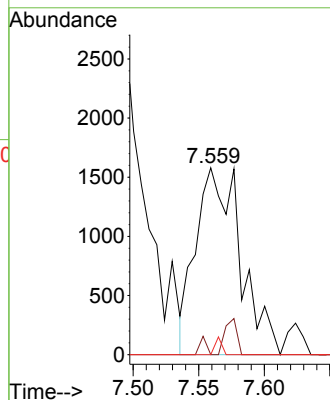
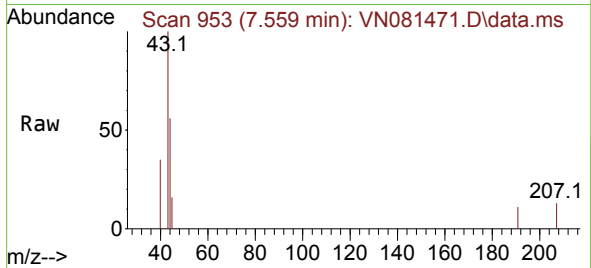




#37
Ethyl Acetate
Concen: 0.525 ug/l
RT: 7.559 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

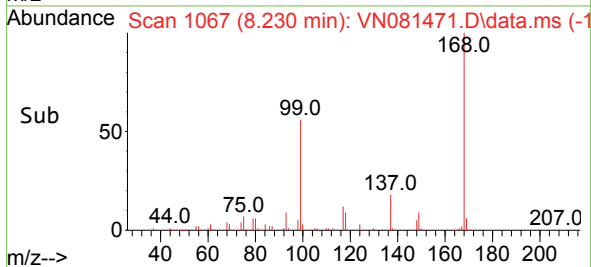
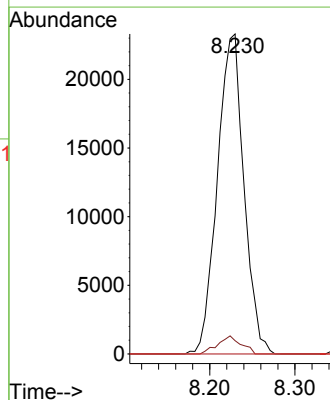
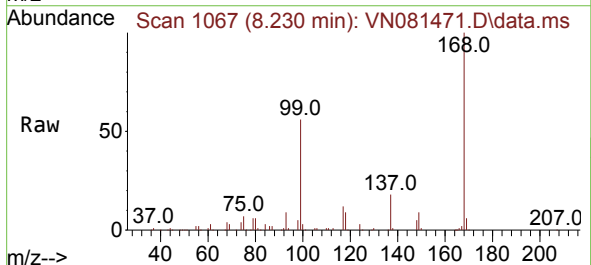
Instrument :
MSVOA_N
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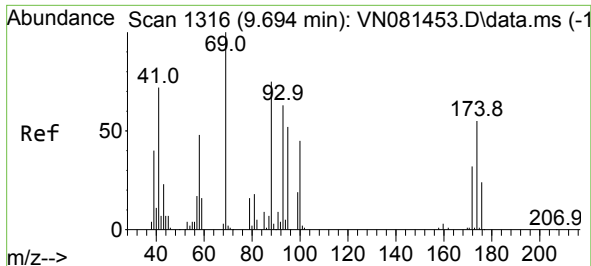
Tgt Ion: 43 Resp: 3752
Ion Ratio Lower Upper
43 100
61 1.5 10.6 15.8#
70 1.4 8.0 12.0#



#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

Tgt Ion: 117 Resp: 50467
Ion Ratio Lower Upper
117 100
119 4.2 73.4 110.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.404 ug/l

RT: 9.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081471.D

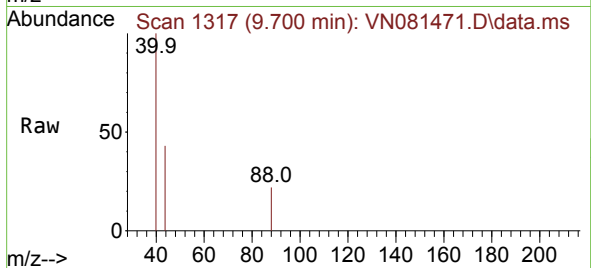
Acq: 19 Mar 2024 15:21

Instrument :

MSVOA_N

ClientSampleId :

2011



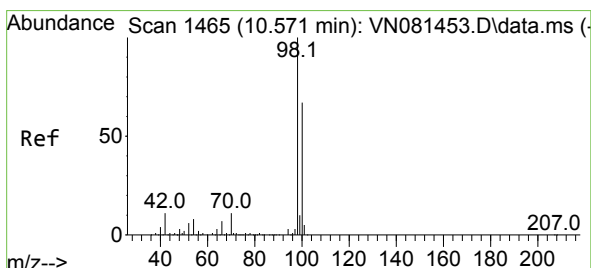
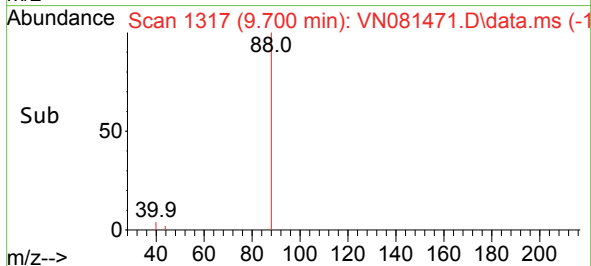
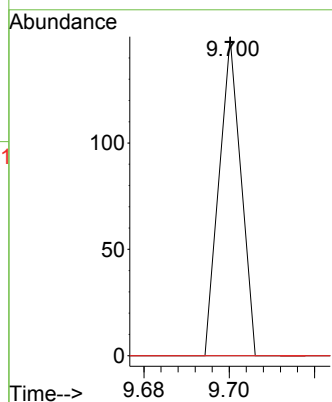
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 50.657 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN081471.D

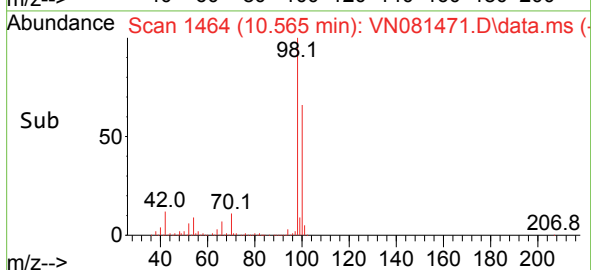
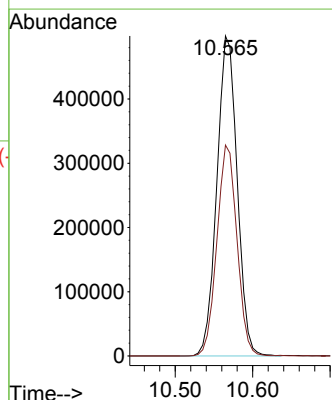
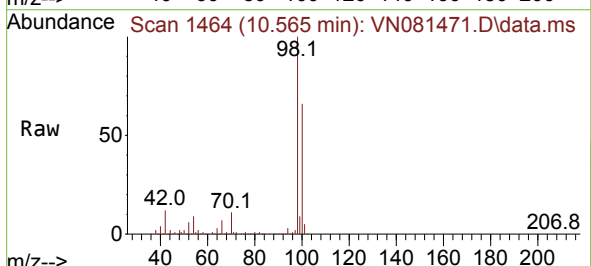
Acq: 19 Mar 2024 15:21

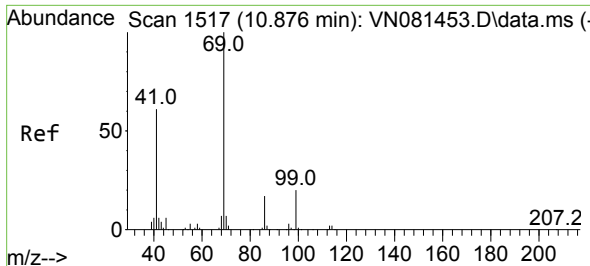
Tgt Ion: 98 Resp: 908366

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0

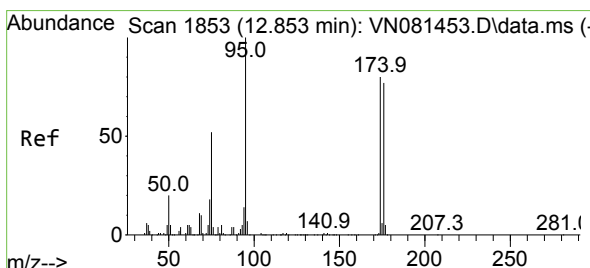
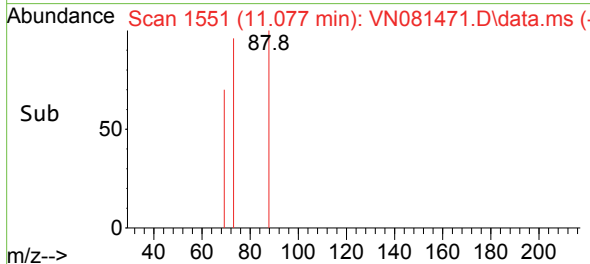
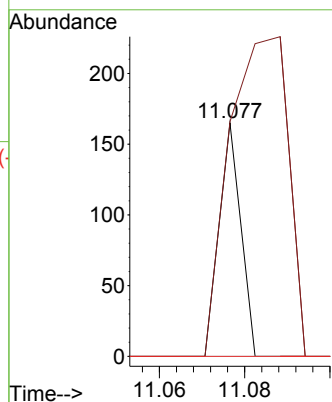
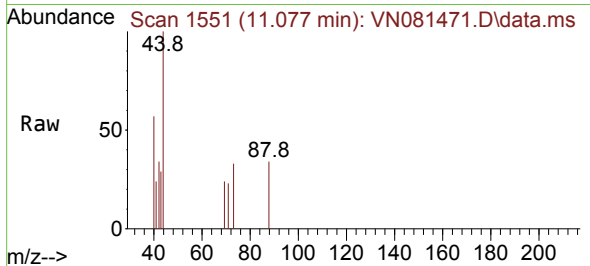




#56
Ethyl methacrylate
Concen: 0.577 ug/l
RT: 11.077 min Scan# 11
Delta R.T. 0.201 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

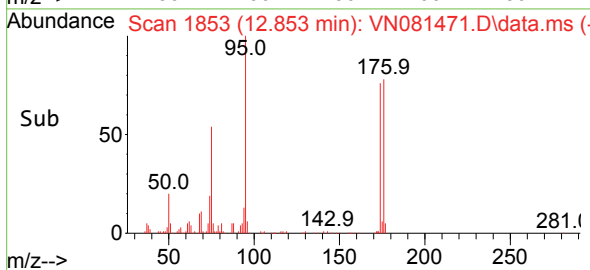
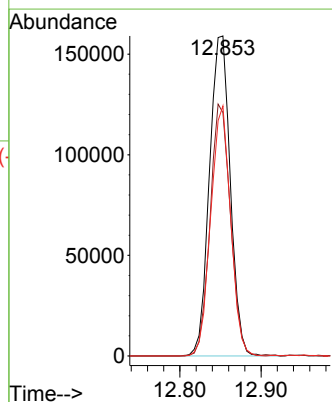
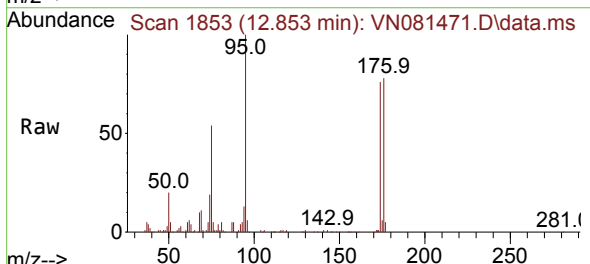
Instrument :
MSVOA_N
ClientSampleId :
2011

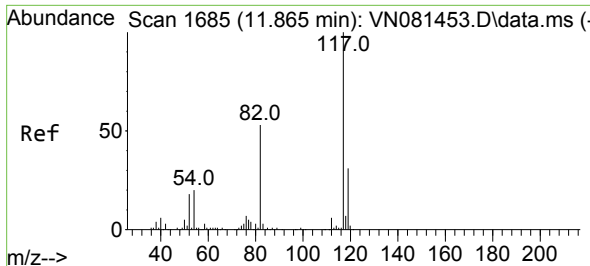
Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 372.4 61.0 91.6#
39 0.0 31.8 47.6#



#62
4-Bromofluorobenzene
Concen: 44.749 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

Tgt Ion: 95 Resp: 282745
Ion Ratio Lower Upper
95 100
174 77.1 0.0 120.4
176 74.8 0.0 121.0

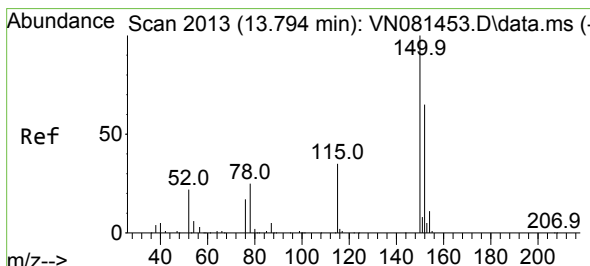
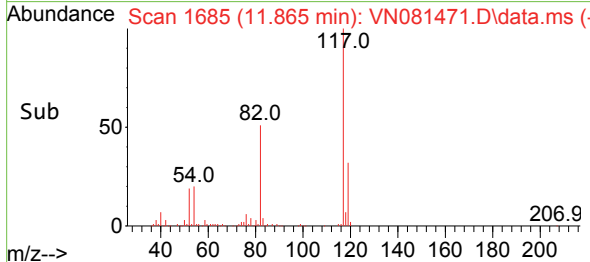
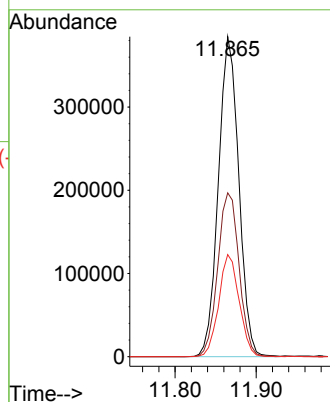
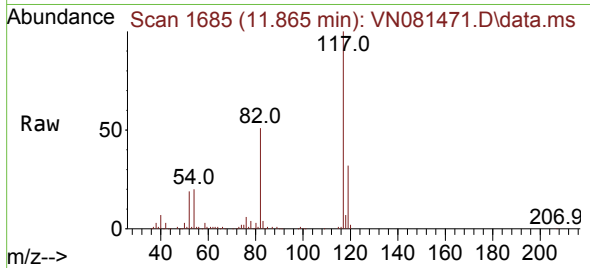




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

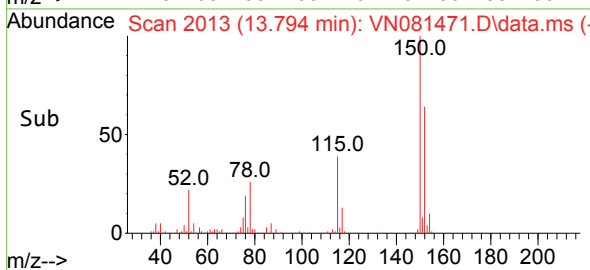
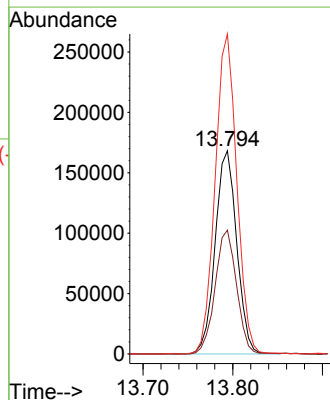
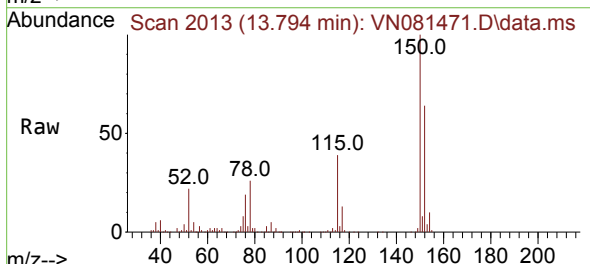
Instrument :
MSVOA_N
ClientSampleId :
2011

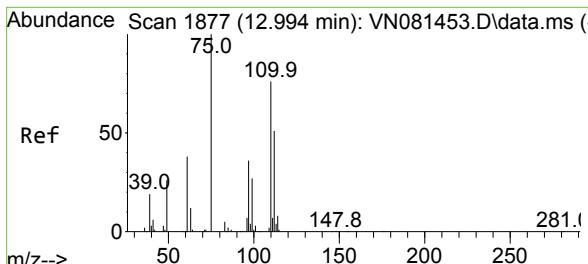
Tgt Ion:117 Resp: 672964
Ion Ratio Lower Upper
117 100
82 51.2 52.7 79.1#
119 31.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081471.D
Acq: 19 Mar 2024 15:21

Tgt Ion:152 Resp: 280945
Ion Ratio Lower Upper
152 100
115 60.8 32.3 96.8
150 158.0 0.0 339.8

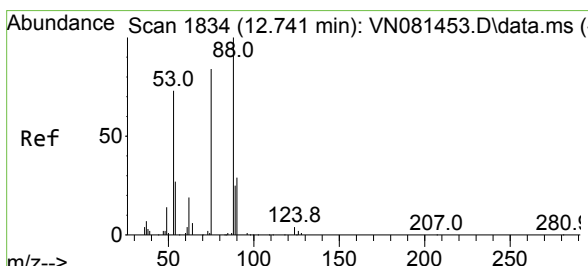
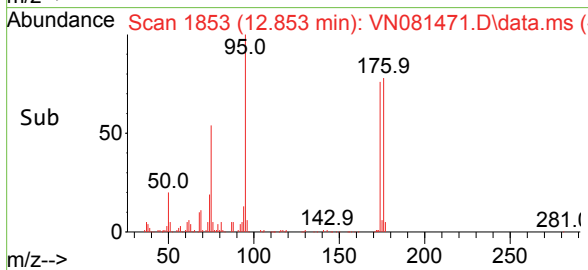
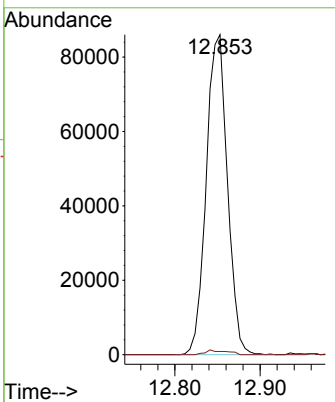
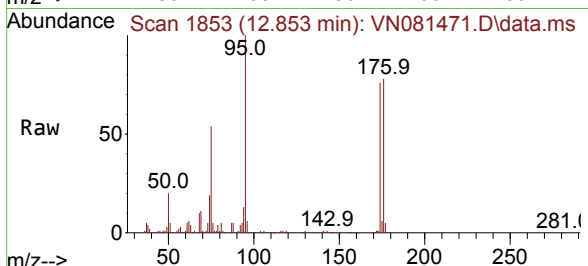




#76
 1,2,3-Trichloropropane
 Concen: 22.084 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN081471.D
 Acq: 19 Mar 2024 15:21

Instrument : MSVOA_N
 ClientSampleId : 2011

Tgt Ion: 75 Resp: 148414
 Ion Ratio Lower Upper
 75 100
 77 1.5 91.0 272.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.679 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN081471.D
 Acq: 19 Mar 2024 15:21

Tgt Ion: 75 Resp: 148414
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#

