

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072086.D
 Acq On : 20 Apr 2022 18:15
 Operator : JC\MD
 Sample : N2474-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 03:33:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

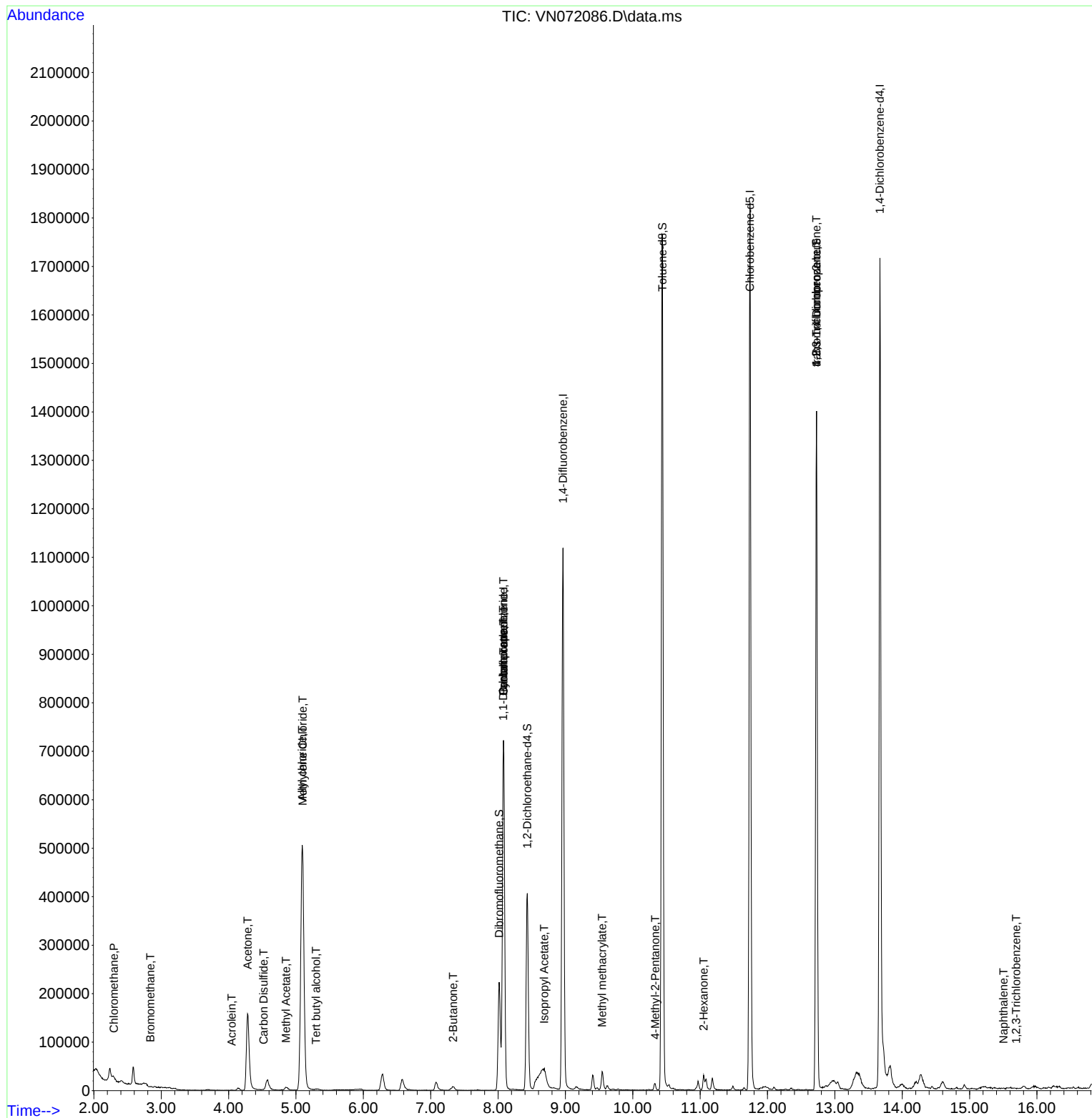
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.080	168	617159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1056116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1124748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	499220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	336842	47.809	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.620%
35) Dibromofluoromethane	8.016	113	167562	26.962	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	53.920%#
50) Toluene-d8	10.439	98	1317992	51.843	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.680%
62) 4-Bromofluorobenzene	12.727	95	500776	60.906	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	121.820%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	1687	0.271	ug/l #	84
5) Bromomethane	2.840	94	927	0.209	ug/l	83
11) Tert butyl alcohol	5.298	59	890	0.778	ug/l #	72
13) Acrolein	4.045	56	573	0.411	ug/l	90
14) Allyl chloride	5.092	41	12951	1.566	ug/l #	24
16) Acetone	4.281	43	287491	95.479	ug/l	94
17) Carbon Disulfide	4.522	76	2413	0.206	ug/l #	75
18) Methyl Acetate	4.851	43	14268	0.412	ug/l #	70
20) Methylene Chloride	5.098	84	455152	71.717	ug/l	98
25) 2-Butanone	7.333	43	11775	2.713	ug/l	95
31) Cyclohexane	8.080	56	9860	1.029	ug/l #	1
36) 1,1-Dichloropropene	8.075	75	41571	4.790	ug/l #	42
38) Carbon Tetrachloride	8.080	117	54145	6.366	ug/l #	18
43) Isopropyl Acetate	8.686	43	129893	8.221	ug/l #	54
48) Methyl methacrylate	9.545	41	13135	2.004	ug/l #	19
51) 4-Methyl-2-Pentanone	10.333	43	11412	1.256	ug/l #	86
59) 2-Hexanone	11.051	43	28337	4.431	ug/l #	21
76) 1,2,3-Trichloropropane	12.727	75	243194	21.029	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	243194	65.167	ug/l #	10
95) Naphthalene	15.504	128	1716	3.873	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.692	180	59	2.421	ug/l #	1

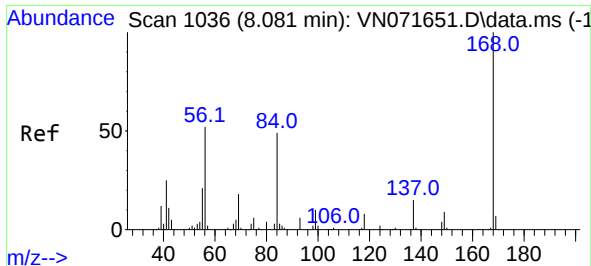
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN072086.D
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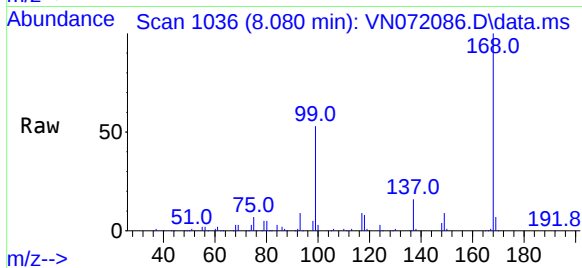
Quant Time: Apr 21 03:33:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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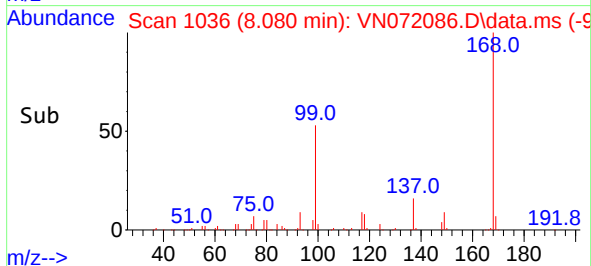
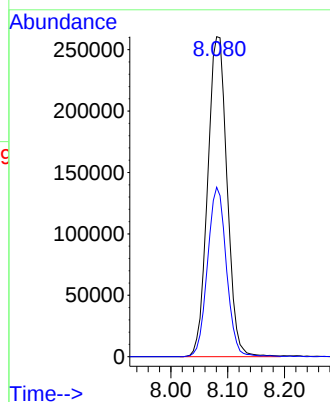


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Instrument :
MSVOA_N
ClientSampleId :

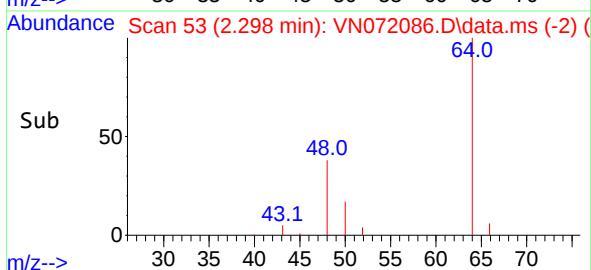
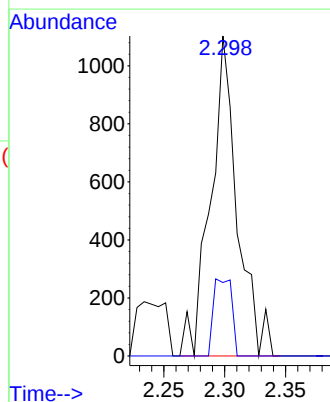
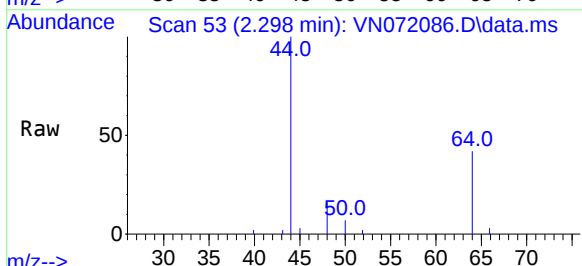


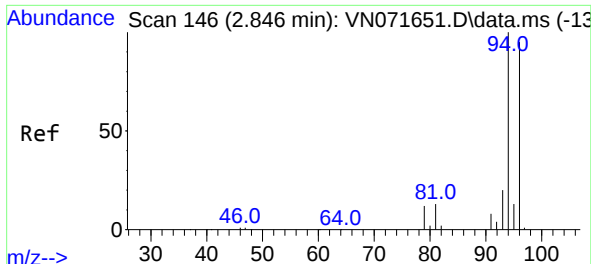
Tgt Ion:168 Resp: 617159
Ion Ratio Lower Upper
168 100
99 52.9 42.3 63.5



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Tgt Ion: 50 Resp: 1687
Ion Ratio Lower Upper
50 100
52 22.9 25.7 38.5#

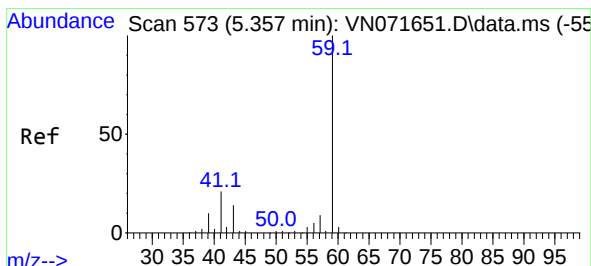
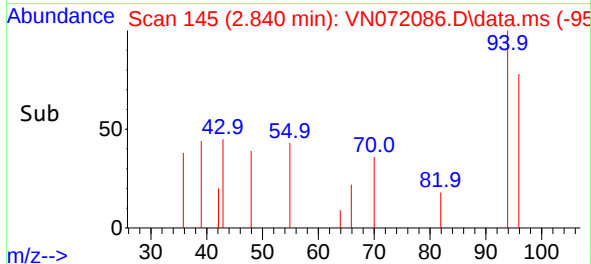
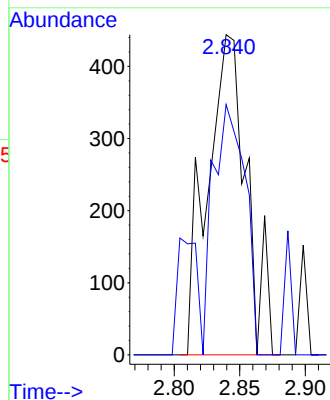
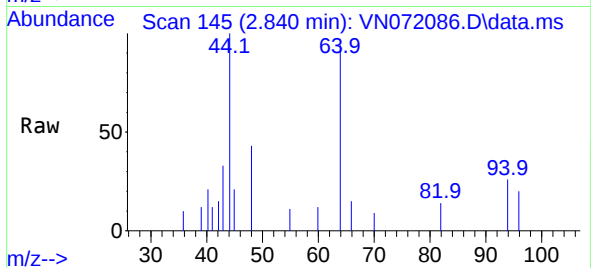




#5
Bromomethane
Concen: 0.209 ug/l
RT: 2.840 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

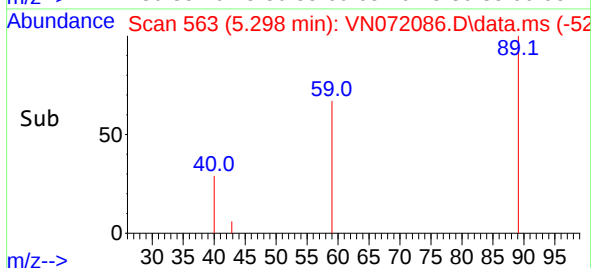
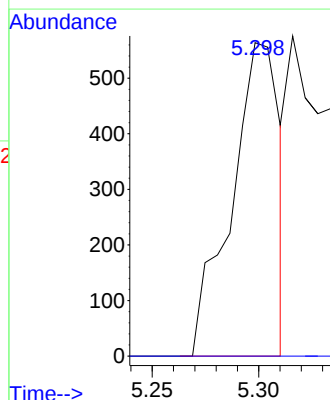
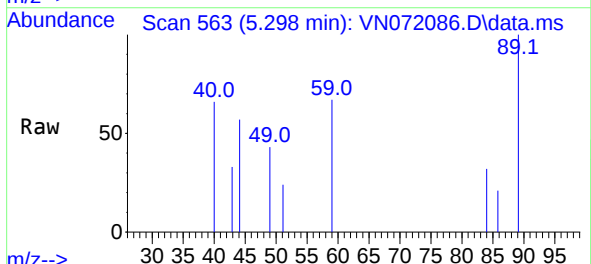
Instrument :
MSVOA_N
ClientSampleId :

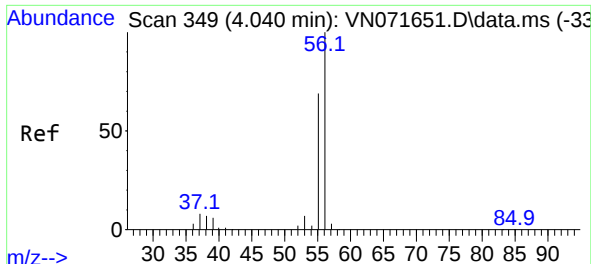
Tgt Ion: 94 Resp: 927
Ion Ratio Lower Upper
94 100
96 78.2 76.0 114.0



#11
Tert butyl alcohol
Concen: 0.778 ug/l
RT: 5.298 min Scan# 563
Delta R.T. -0.059 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

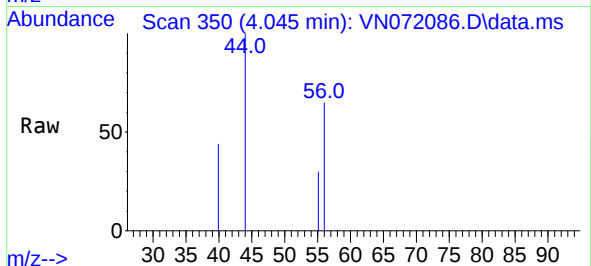
Tgt Ion: 59 Resp: 890
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



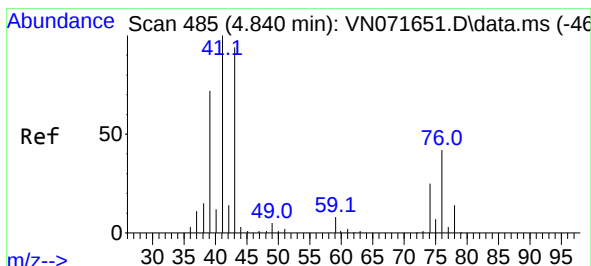
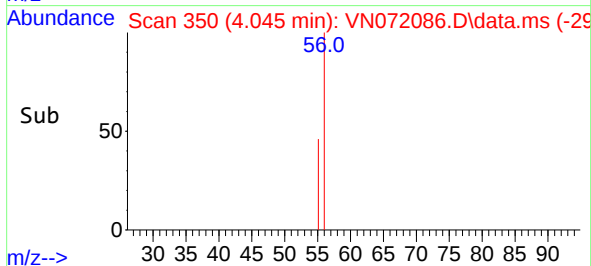
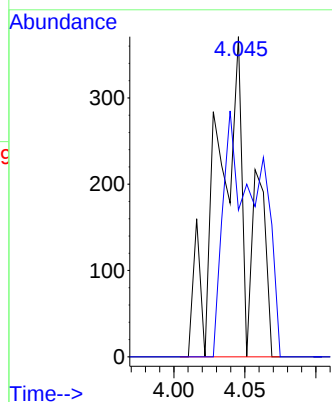


#13
Acrolein
Concen: 0.411 ug/l
RT: 4.045 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Instrument :
MSVOA_N
ClientSampleId :

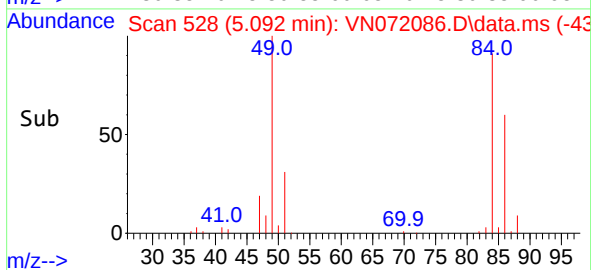
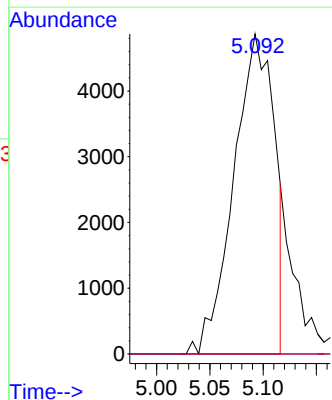
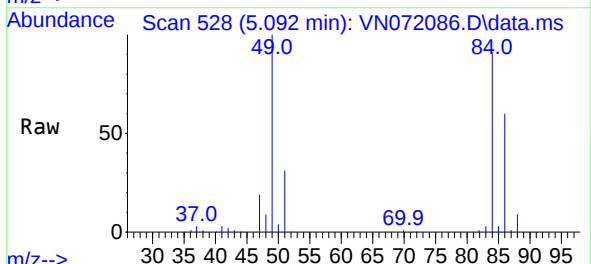


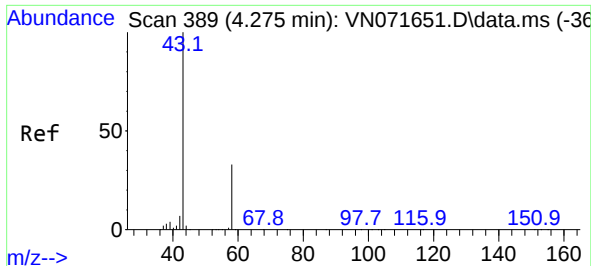
Tgt Ion: 56 Resp: 573
Ion Ratio Lower Upper
56 100
55 60.7 54.8 82.2



#14
Allyl chloride
Concen: 1.566 ug/l
RT: 5.092 min Scan# 528
Delta R.T. 0.252 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Tgt Ion: 41 Resp: 12951
Ion Ratio Lower Upper
41 100
39 0.0 53.2 79.8#
76 0.0 29.9 44.9#

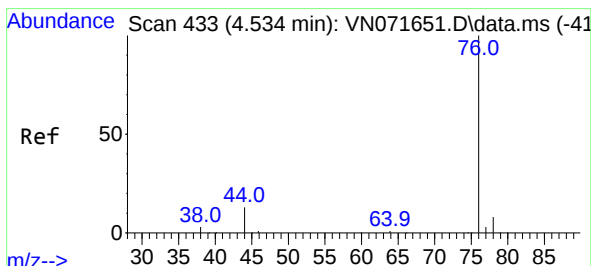
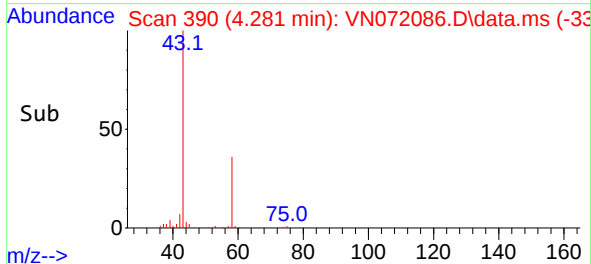
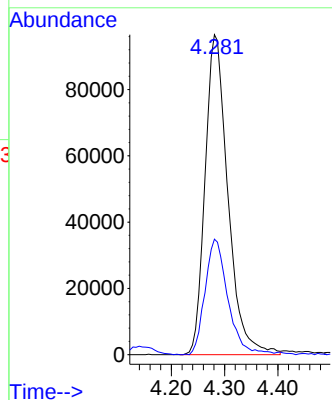
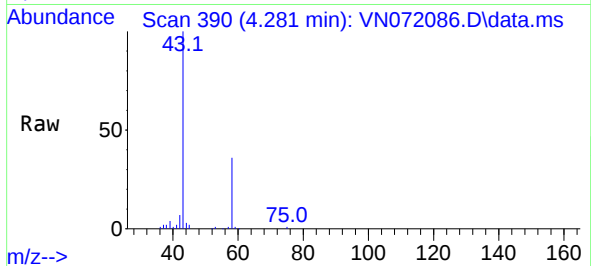




#16
Acetone
Concen: 95.479 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.006 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

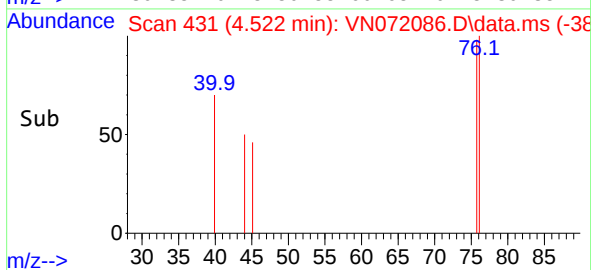
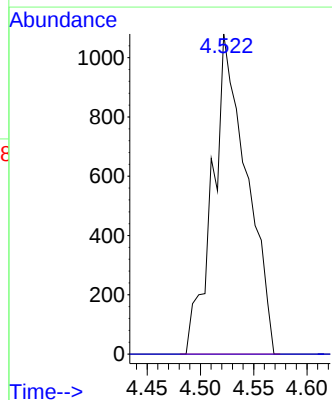
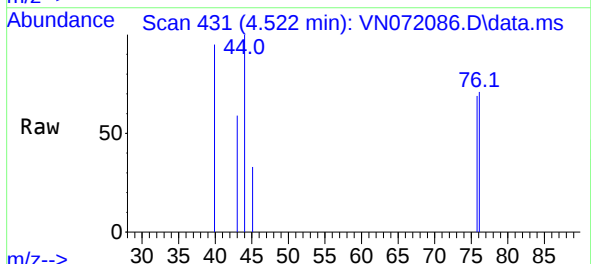
Instrument :
MSVOA_N
ClientSampleId :

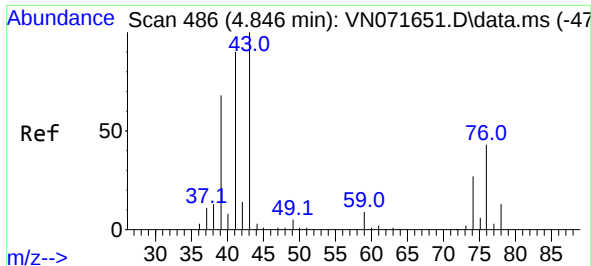
Tgt Ion: 43 Resp: 287491
Ion Ratio Lower Upper
43 100
58 36.1 26.0 39.0



#17
Carbon Disulfide
Concen: 0.206 ug/l
RT: 4.522 min Scan# 431
Delta R.T. -0.012 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Tgt Ion: 76 Resp: 2413
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

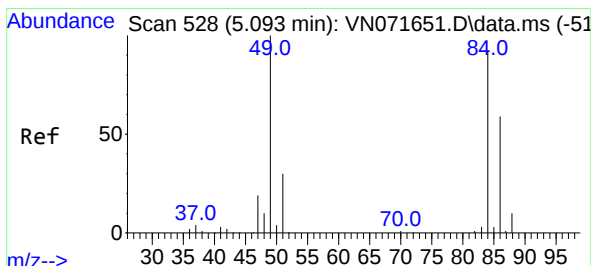
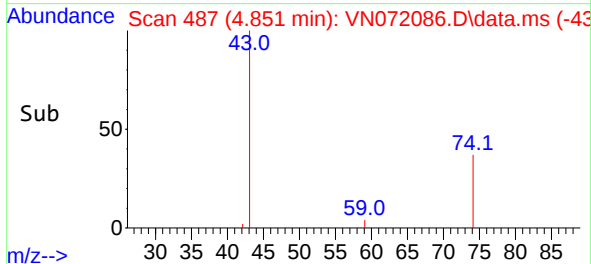
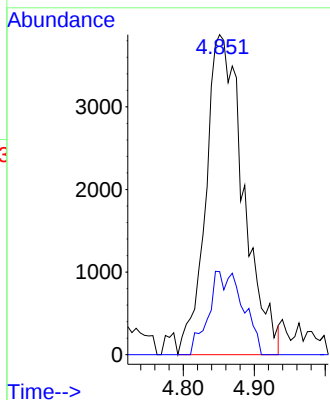
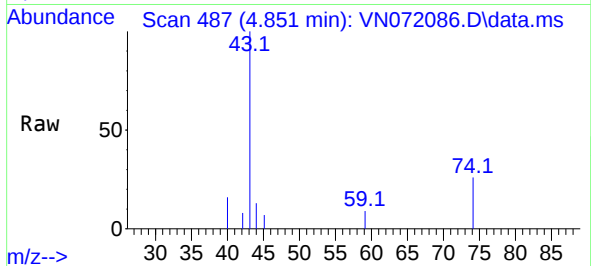




#18
Methyl Acetate
Concen: 0.412 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.005 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

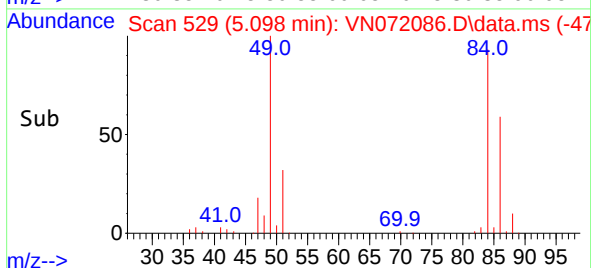
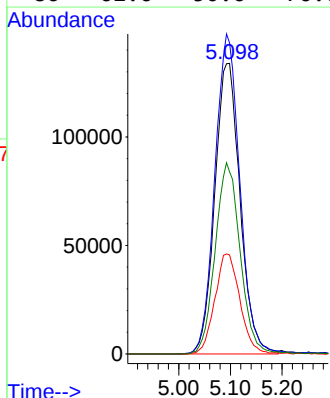
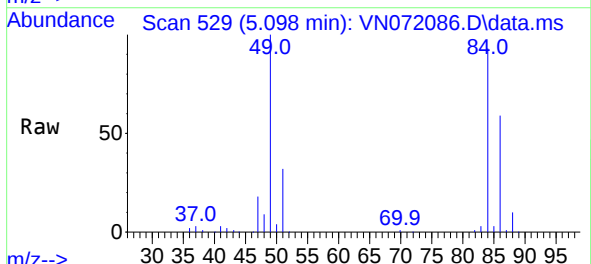
Instrument :
MSVOA_N
ClientSampleId :

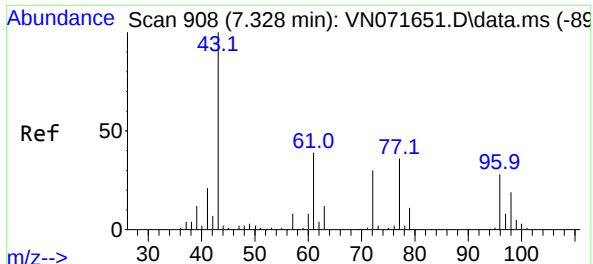
Tgt Ion: 43 Resp: 14268
Ion Ratio Lower Upper
43 100
74 11.3 21.6 32.4#



#20
Methylene Chloride
Concen: 71.717 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Tgt Ion: 84 Resp: 455152
Ion Ratio Lower Upper
84 100
49 107.1 88.3 132.5
51 34.1 28.2 42.2
86 62.6 50.6 76.0





#25

2-Butanone

Concen: 2.713 ug/l

RT: 7.333 min Scan# 908

Delta R.T. 0.005 min

Lab File: VN072086.D

Acq: 20 Apr 2022 18:15

Instrument :

MSVOA_N

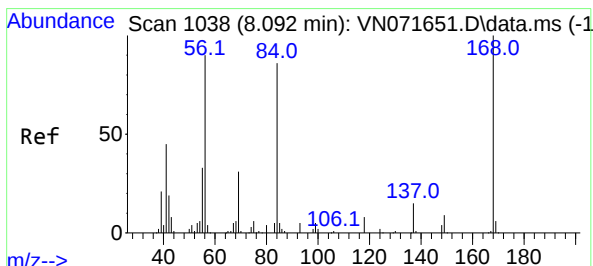
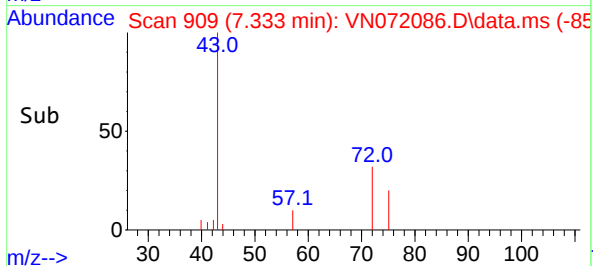
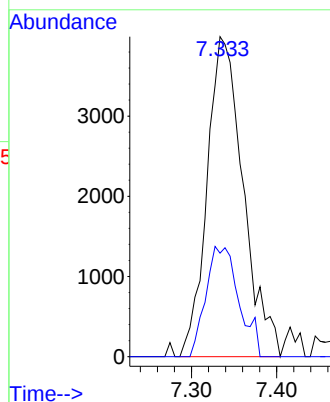
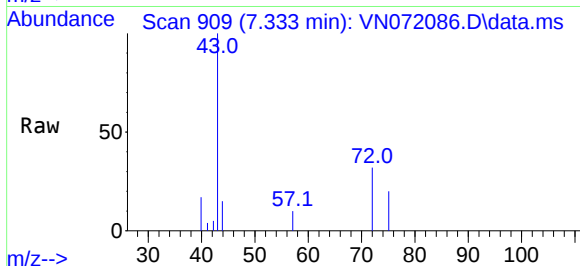
ClientSampleId :

Tgt Ion: 43 Resp: 11775

Ion Ratio Lower Upper

43 100

72 32.3 23.7 35.5



#31

Cyclohexane

Concen: 1.029 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.012 min

Lab File: VN072086.D

Acq: 20 Apr 2022 18:15

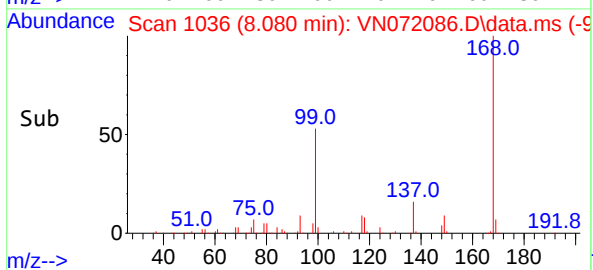
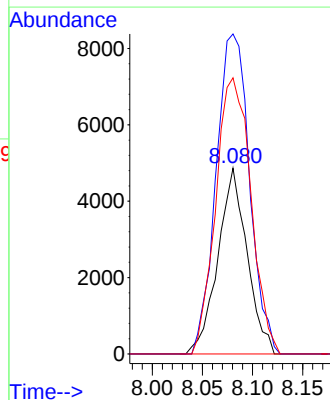
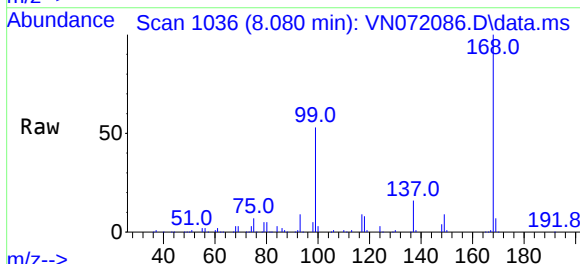
Tgt Ion: 56 Resp: 9860

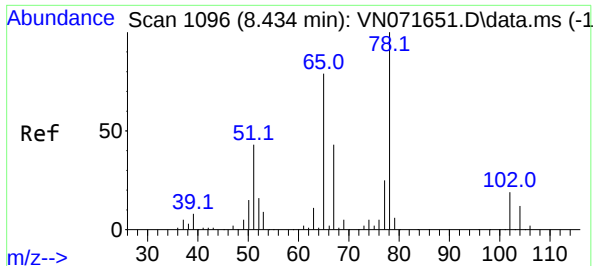
Ion Ratio Lower Upper

56 100

69 172.2 27.8 41.8#

84 148.6 76.9 115.3#

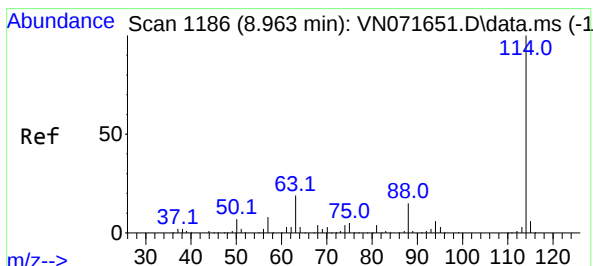
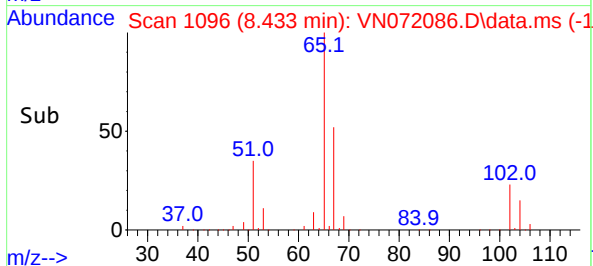
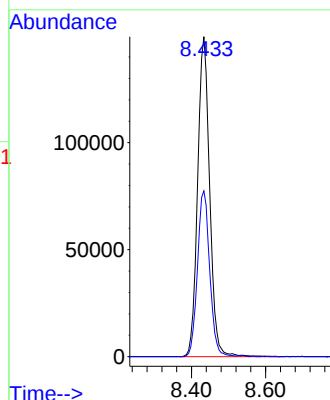
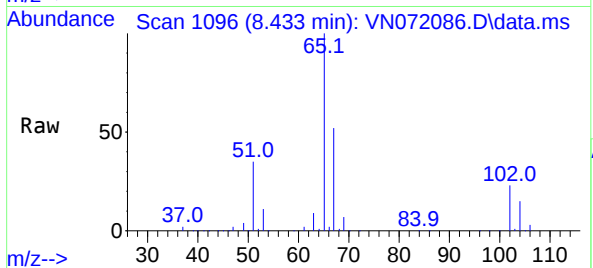




#33
1,2-Dichloroethane-d4
Concen: 47.809 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

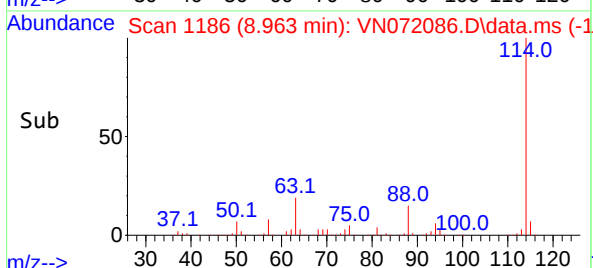
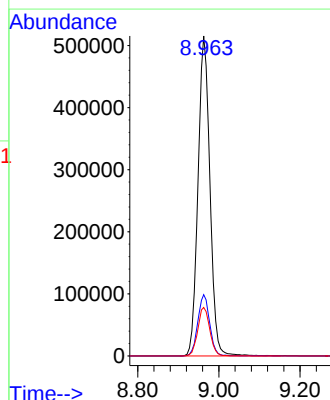
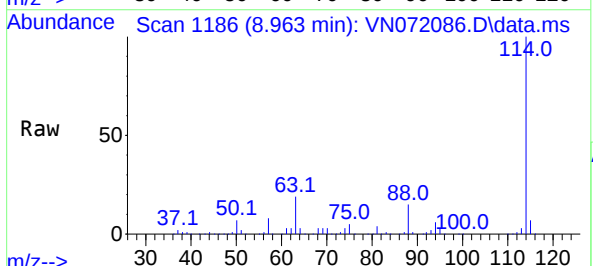
Instrument :
MSVOA_N
ClientSampleId :

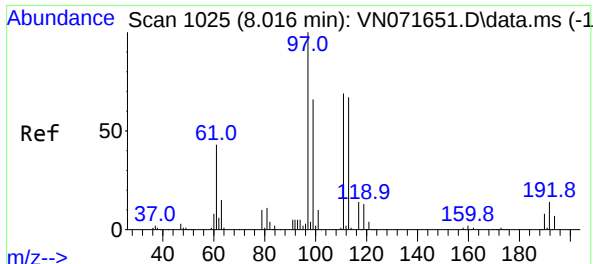
Tgt Ion: 65 Resp: 336842
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

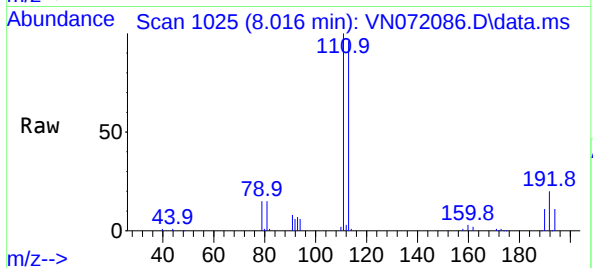
Tgt Ion: 114 Resp: 1056116
Ion Ratio Lower Upper
114 100
63 19.2 0.0 40.0
88 15.1 0.0 32.6



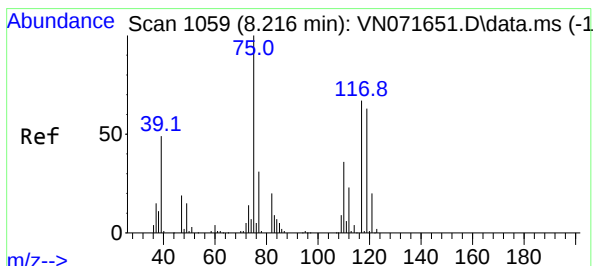
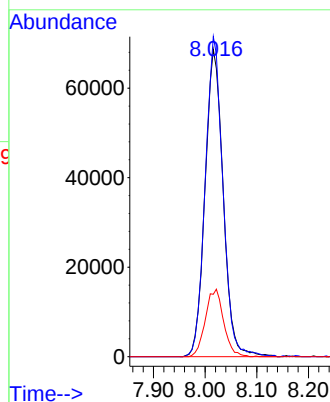
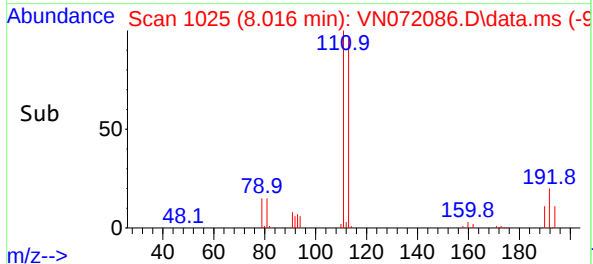


#35
Dibromofluoromethane
Concen: 26.962 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Instrument :
MSVOA_N
ClientSampleId :

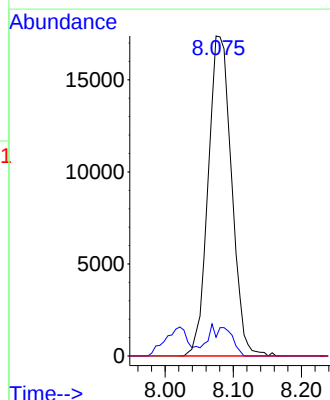
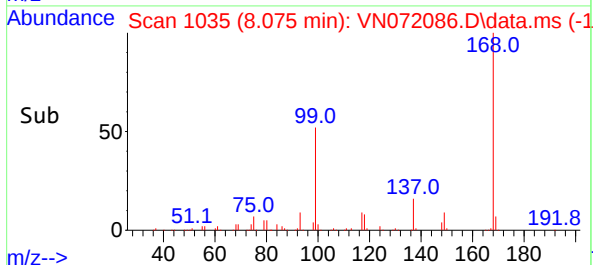
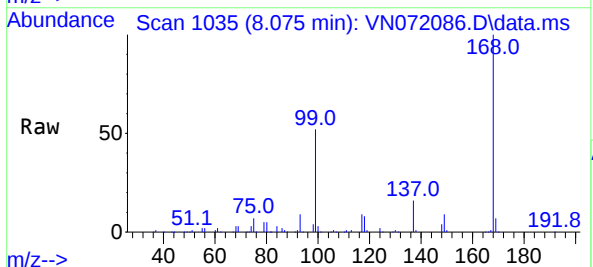


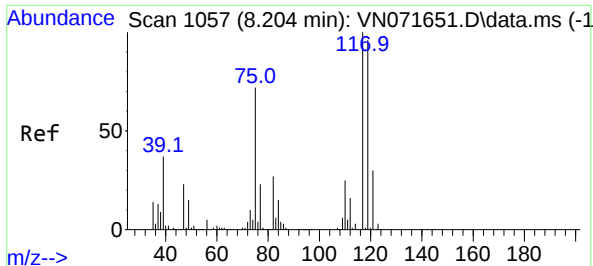
Tgt Ion:113 Resp: 167562
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 22.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.790 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.141 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

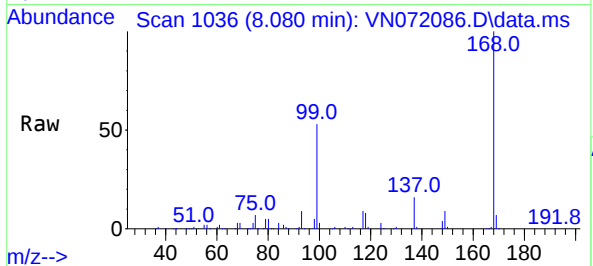
Tgt Ion: 75 Resp: 41571
Ion Ratio Lower Upper
75 100
110 2.1 18.3 54.8#
77 0.0 25.1 37.7#



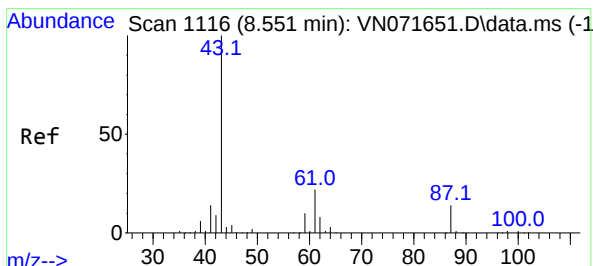
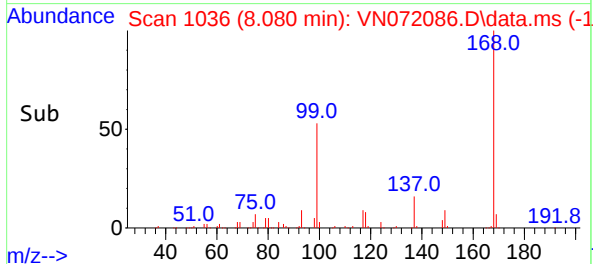
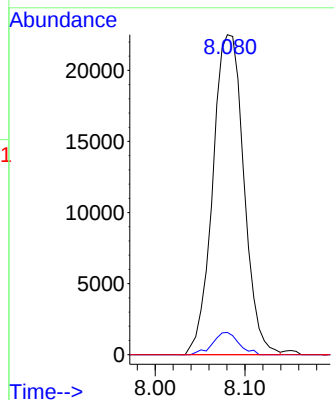


#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 8.080 min Scan# 1139
Delta R.T. -0.124 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Instrument :
MSVOA_N
ClientSampleId :

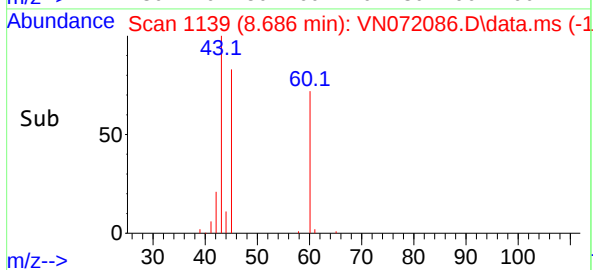
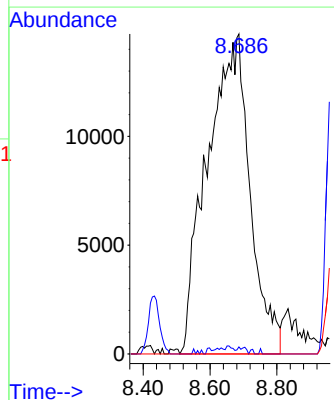
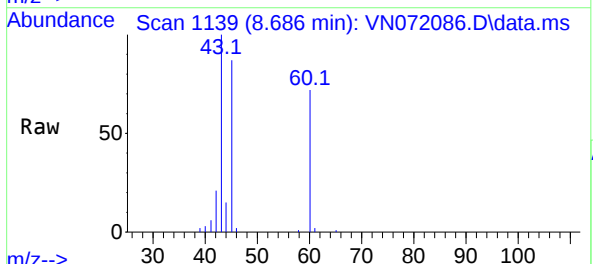


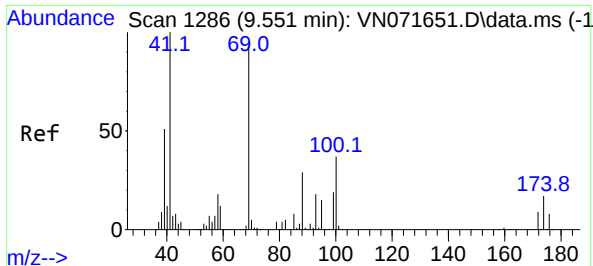
Tgt Ion:117 Resp: 54145
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 8.221 ug/l
RT: 8.686 min Scan# 1139
Delta R.T. 0.135 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Tgt Ion: 43 Resp: 129893
Ion Ratio Lower Upper
43 100
61 0.2 21.9 32.9#
87 0.0 12.0 18.0#





#48

Methyl methacrylate

Concen: 2.004 ug/l

RT: 9.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN072086.D

Acq: 20 Apr 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

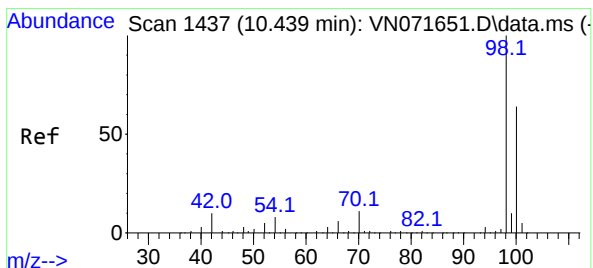
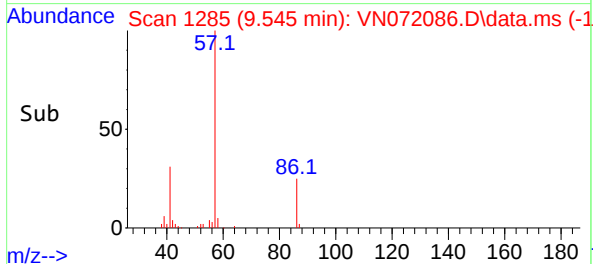
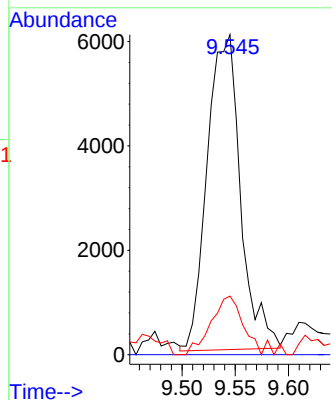
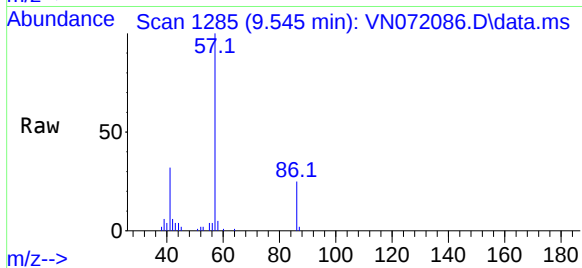
Tgt Ion: 41 Resp: 13135

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 17.7 45.6 68.4#



#50

Toluene-d8

Concen: 51.843 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072086.D

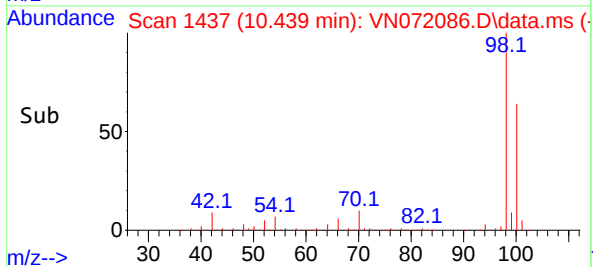
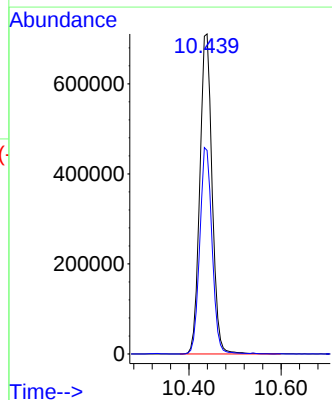
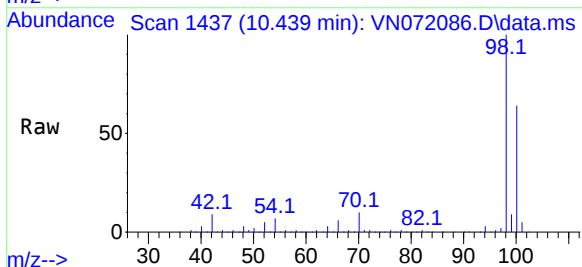
Acq: 20 Apr 2022 18:15

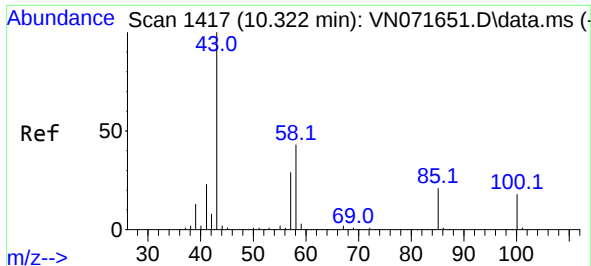
Tgt Ion: 98 Resp: 1317992

Ion Ratio Lower Upper

98 100

100 64.6 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 1.256 ug/l

RT: 10.333 min Scan# 1417

Delta R.T. 0.011 min

Lab File: VN072086.D

Acq: 20 Apr 2022 18:15

Instrument :

MSVOA_N

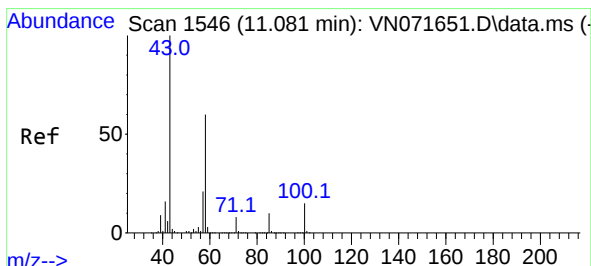
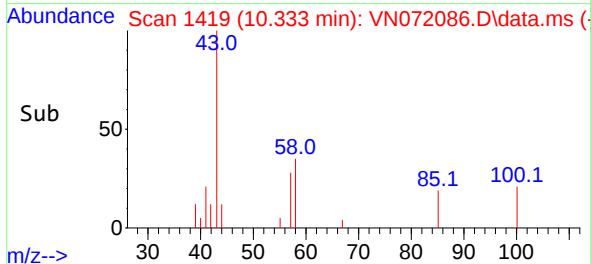
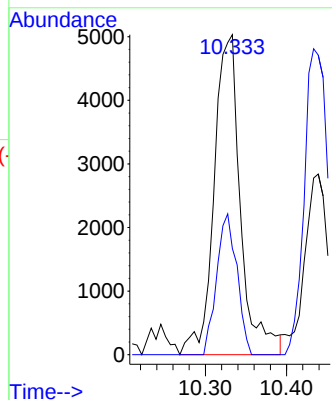
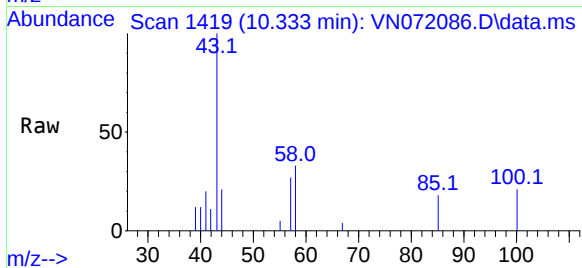
ClientSampleId :

Tgt Ion: 43 Resp: 11412

Ion Ratio Lower Upper

43 100

58 33.5 34.1 51.1#



#59

2-Hexanone

Concen: 4.431 ug/l

RT: 11.051 min Scan# 1541

Delta R.T. -0.030 min

Lab File: VN072086.D

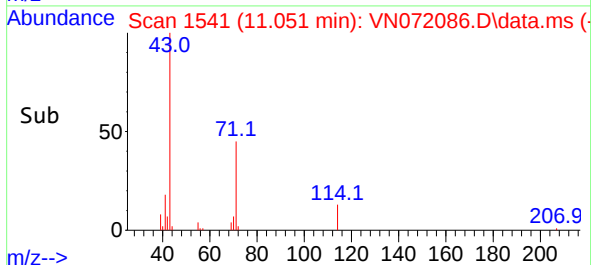
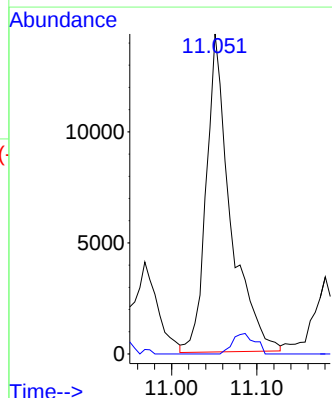
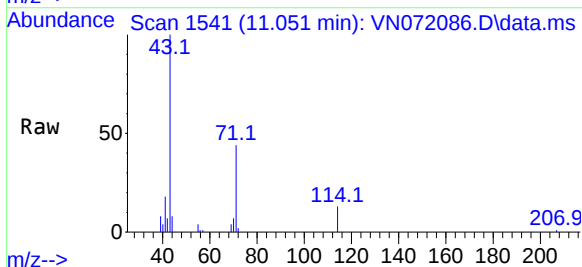
Acq: 20 Apr 2022 18:15

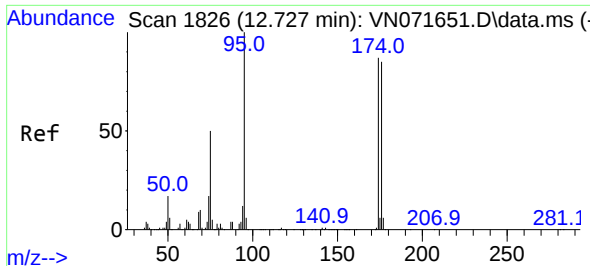
Tgt Ion: 43 Resp: 28337

Ion Ratio Lower Upper

43 100

58 0.0 29.7 89.1#

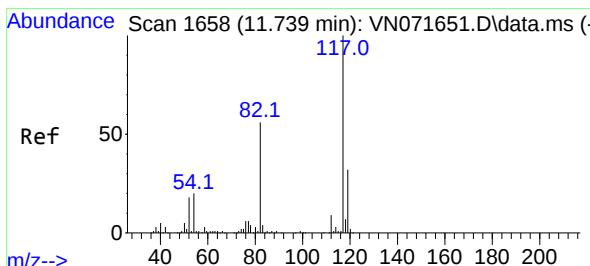
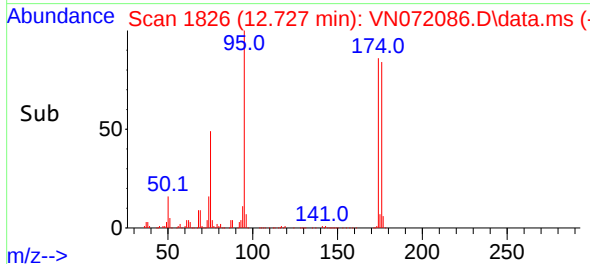
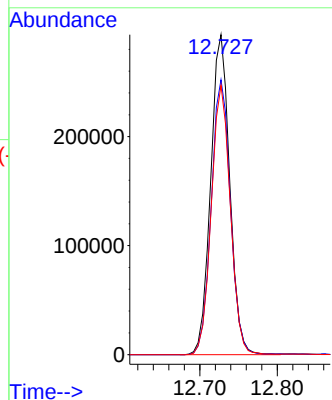
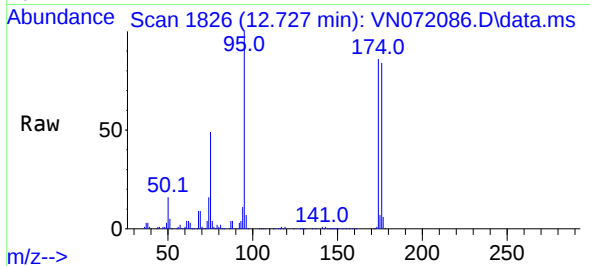




#62
4-Bromofluorobenzene
Concen: 60.906 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

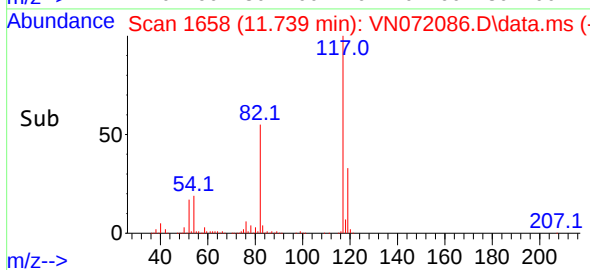
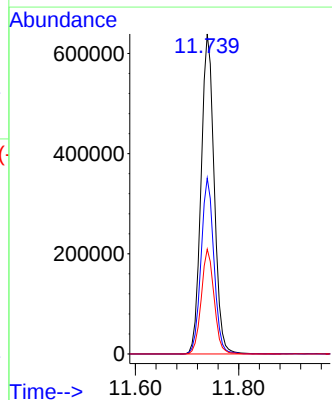
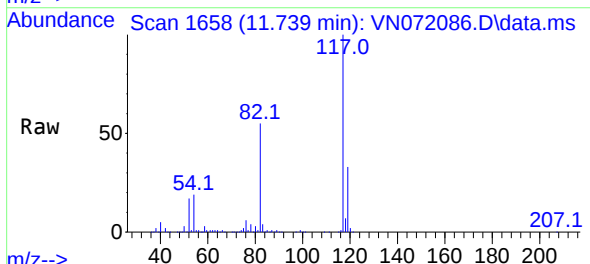
Instrument :
MSVOA_N
ClientSampleId :

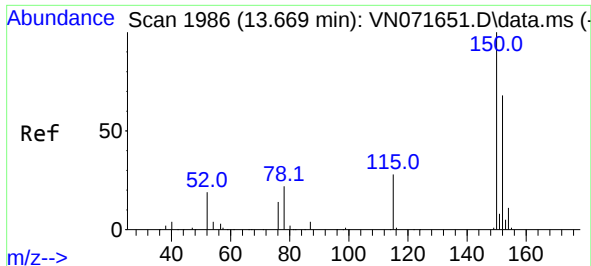
Tgt Ion: 95 Resp: 500776
Ion Ratio Lower Upper
95 100
174 86.5 0.0 167.6
176 84.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

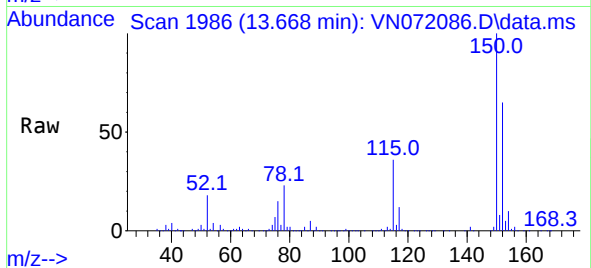
Tgt Ion: 117 Resp: 1124748
Ion Ratio Lower Upper
117 100
82 54.9 44.2 66.2
119 32.8 25.4 38.0



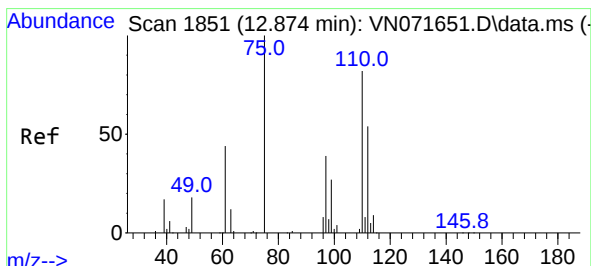
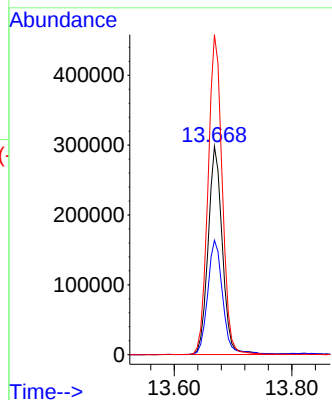
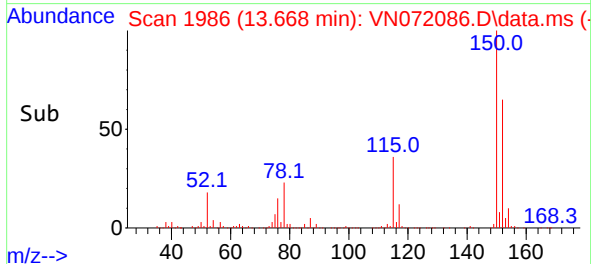


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Instrument :
MSVOA_N
ClientSampleId :

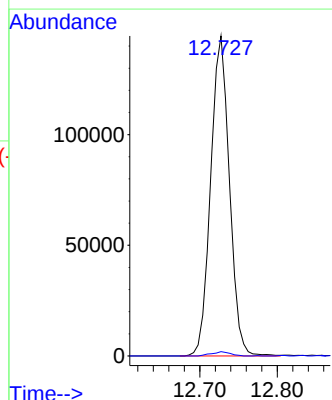
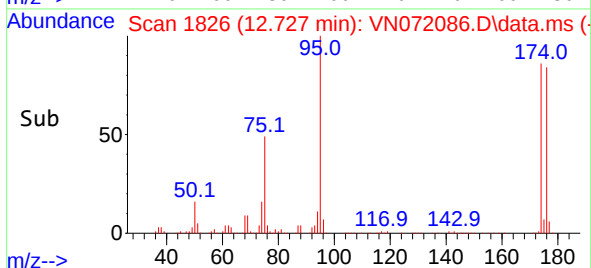
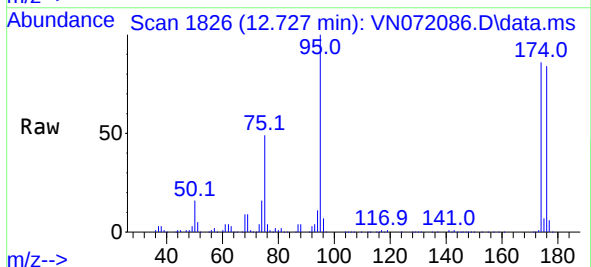


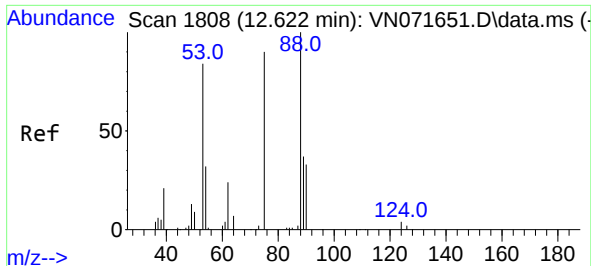
Tgt Ion:152 Resp: 499220
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.7
150 153.3 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 21.029 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

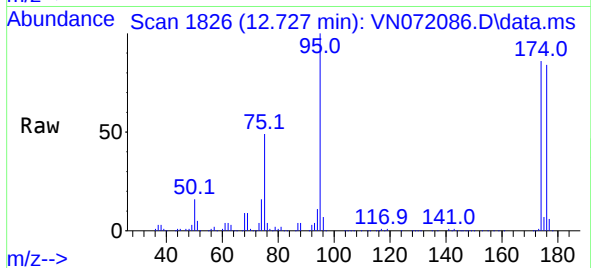
Tgt Ion: 75 Resp: 243194
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



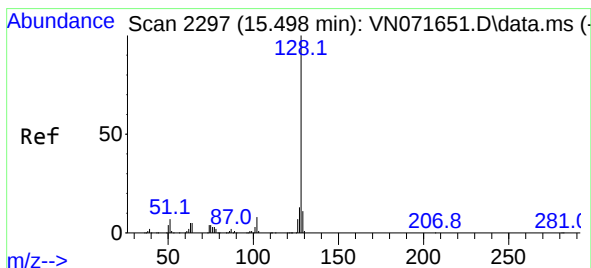
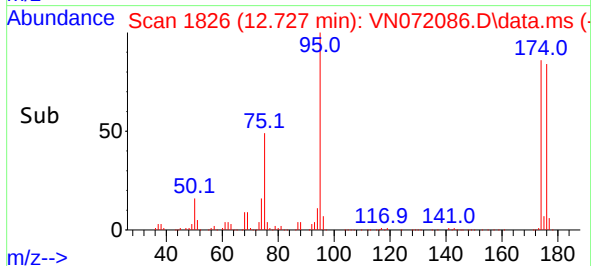
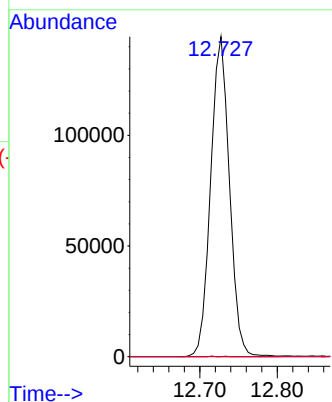


#81
trans-1,4-Dichloro-2-butene
Concen: 65.167 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

Instrument :
MSVOA_N
ClientSampleId :

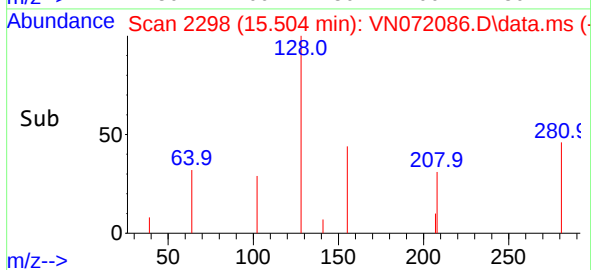
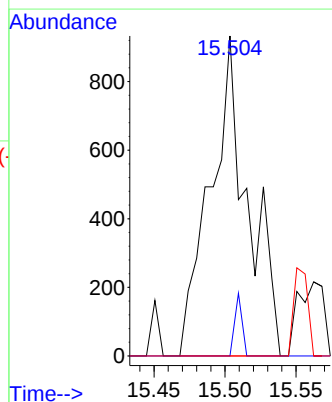
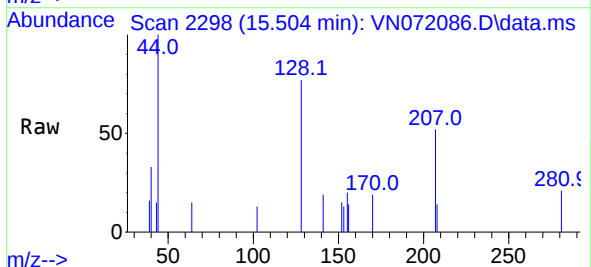


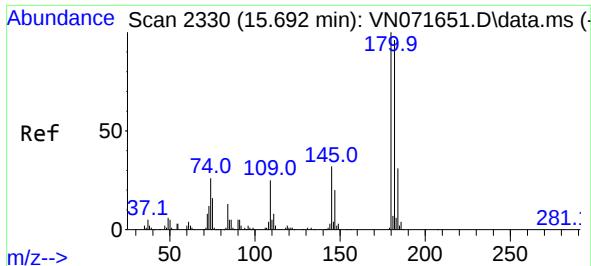
Tgt Ion: 75 Resp: 243194
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.873 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072086.D
Acq: 20 Apr 2022 18:15

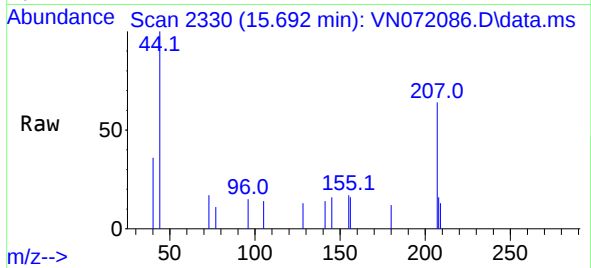
Tgt Ion:128 Resp: 1716
Ion Ratio Lower Upper
128 100
127 3.8 10.3 15.5#
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.421 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072086.D
 Acq: 20 Apr 2022 18:15

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	59
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	435.6	15.5	46.5#

