

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031022\
 Data File : VN071227.D
 Acq On : 10 Mar 2022 12:29
 Operator : JC\MD
 Sample : VN0310WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 11 02:11:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	768590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1275433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1147821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	402421	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	488020	46.329	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.660%
35) Dibromofluoromethane	8.016	113	372758	46.314	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.620%
50) Toluene-d8	10.439	98	1548286	47.779	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.560%
62) 4-Bromofluorobenzene	12.727	95	535441	48.795	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.600%

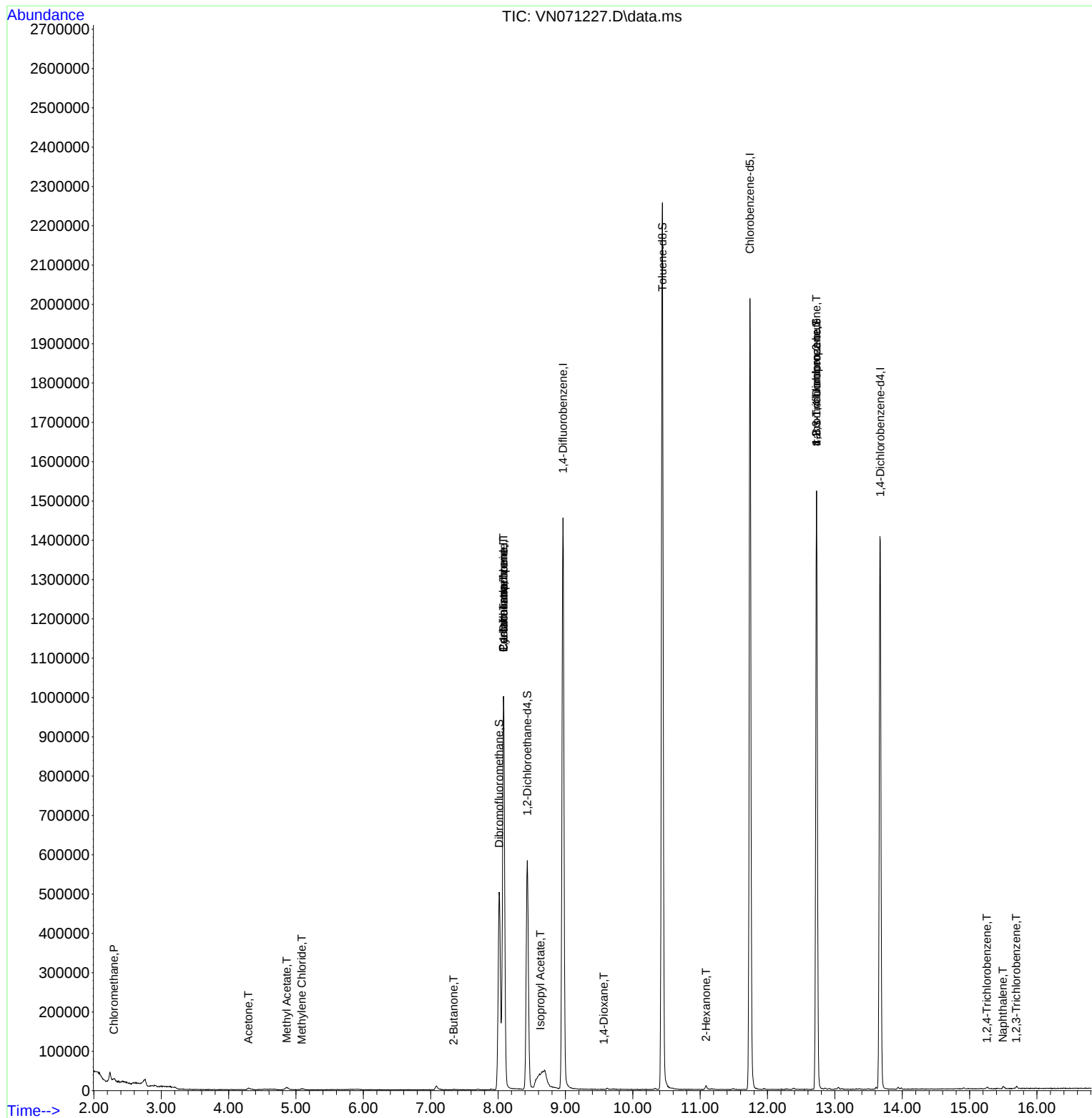
Target Compounds			Qvalue			
3) Chloromethane	2.299	50	2753	0.209 ug/l #	88	
5) Bromomethane	2.852	94	1253	Below Cal	83	
16) Acetone	4.293	43	4371	0.853 ug/l #	80	
18) Methyl Acetate	4.863	43	12928	1.400 ug/l #	76	
20) Methylene Chloride	5.087	84	913	0.479 ug/l #	60	
25) 2-Butanone	7.339	43	2433	0.295 ug/l	95	
31) Cyclohexane	8.081	56	16263	0.967 ug/l #	1	
36) 1,1-Dichloropropene	8.081	75	59176	4.589 ug/l #	49	
38) Carbon Tetrachloride	8.081	117	75496	6.053 ug/l #	17	
43) Isopropyl Acetate	8.628	43	64937	2.447 ug/l #	57	
49) 1,4-Dioxane	9.569	88	94	0.440 ug/l #	27	
59) 2-Hexanone	11.086	43	5668	0.504 ug/l	87	
75) 1,1,2,2-Tetrachloroethane	12.821	83	559	Below Cal #	51	
76) 1,2,3-Trichloropropane	12.727	75	275041	26.896 ug/l #	1	
81) trans-1,4-Dichloro-2-b...	12.727	75	275041	73.882 ug/l #	5	
93) 1,2,4-Trichlorobenzene	15.257	180	2245	3.309 ug/l	89	
95) Naphthalene	15.492	128	6295	5.374 ug/l #	92	
96) 1,2,3-Trichlorobenzene	15.692	180	2605	3.122 ug/l	89	

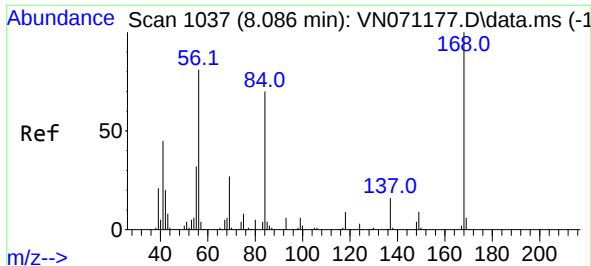
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration

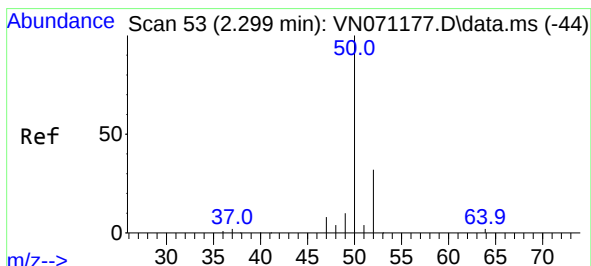
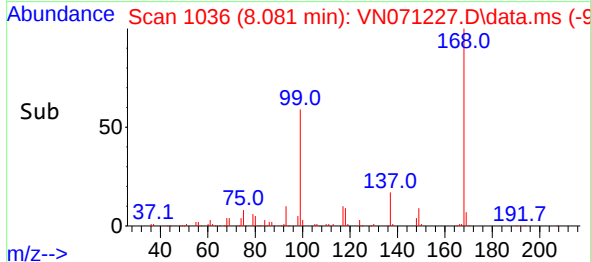
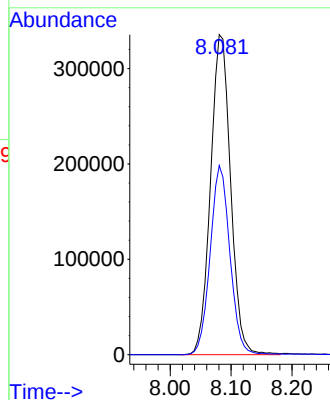
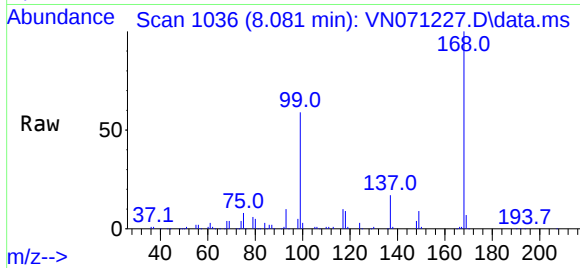




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

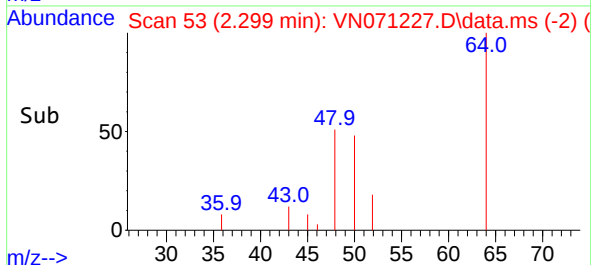
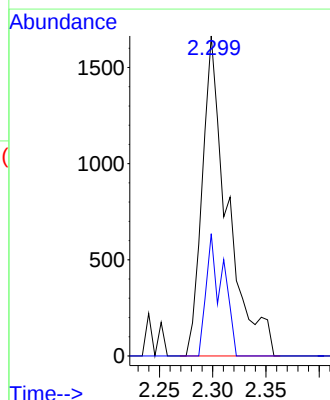
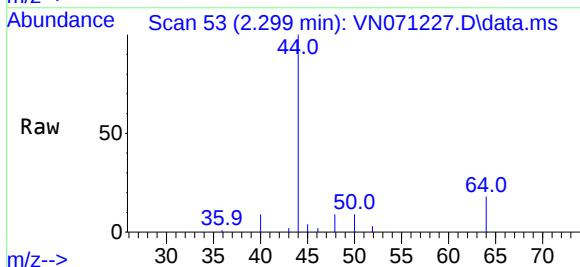
Instrument :
MSVOA_N
ClientSampleId :

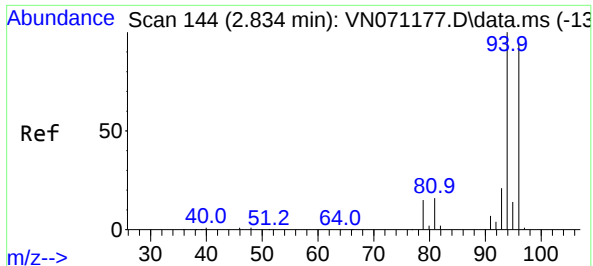
Tgt Ion:168 Resp: 768590
Ion Ratio Lower Upper
168 100
99 59.1 41.3 61.9



#3
Chloromethane
Concen: 0.209 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Tgt Ion: 50 Resp: 2753
Ion Ratio Lower Upper
50 100
52 38.2 25.4 38.0#

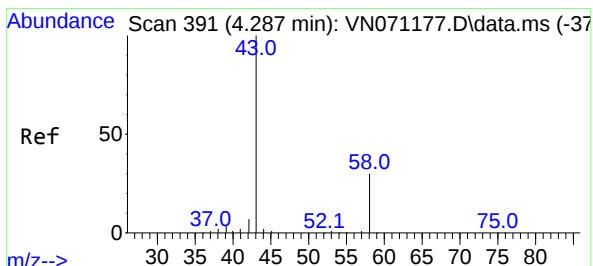
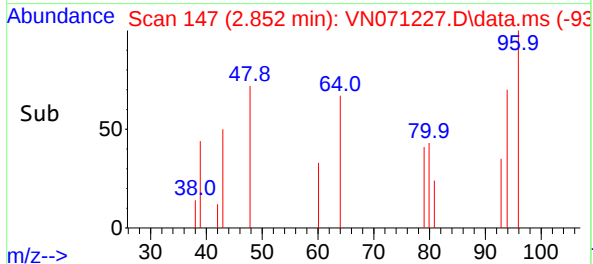
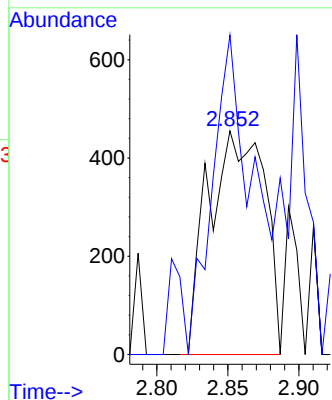
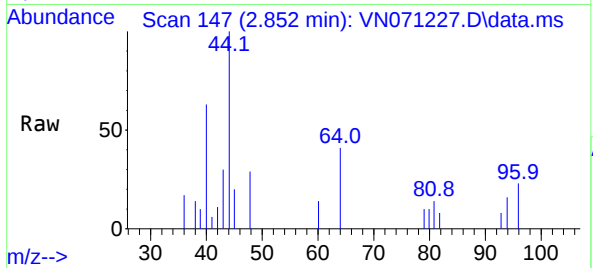




#5
Bromomethane
Concen: Below Cal
RT: 2.852 min Scan# 14
Delta R.T. 0.018 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

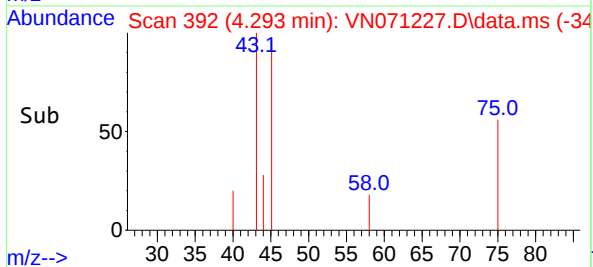
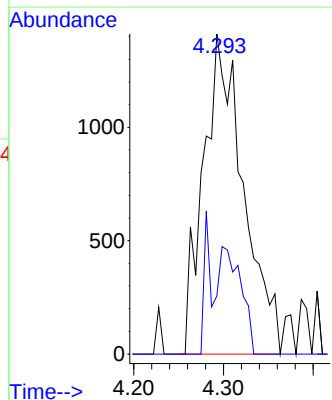
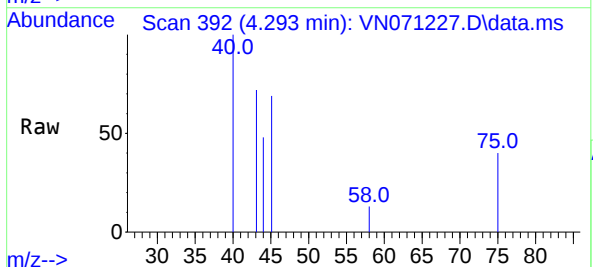
Instrument :
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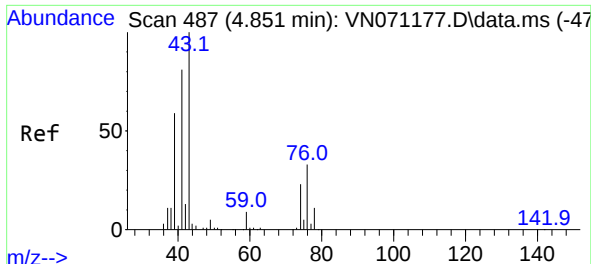
Tgt Ion: 94 Resp: 1253
Ion Ratio Lower Upper
94 100
96 108.1 73.8 110.8



#16
Acetone
Concen: 0.853 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.006 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Tgt Ion: 43 Resp: 4371
Ion Ratio Lower Upper
43 100
58 18.1 23.1 34.7#

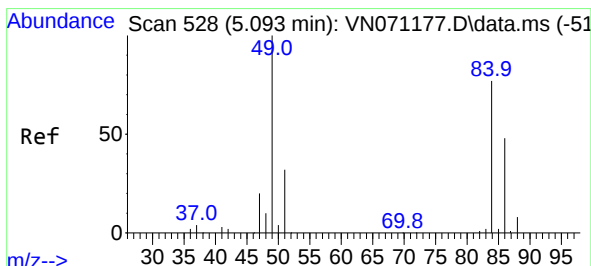
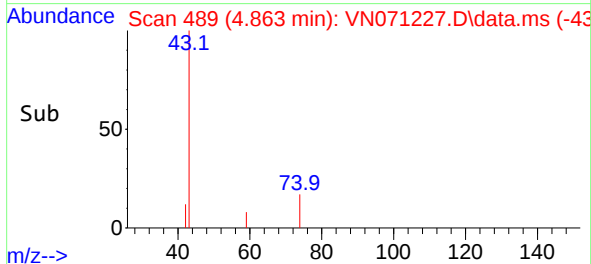
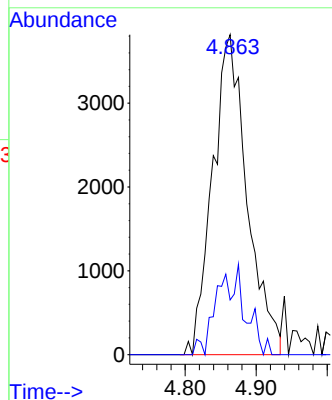
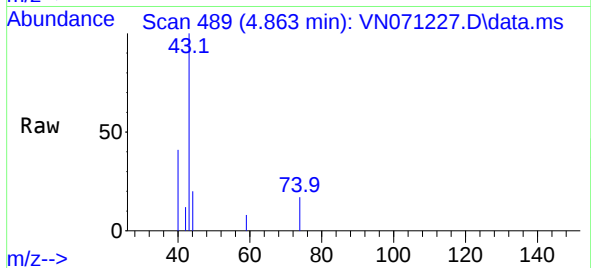




#18
Methyl Acetate
Concen: 1.400 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

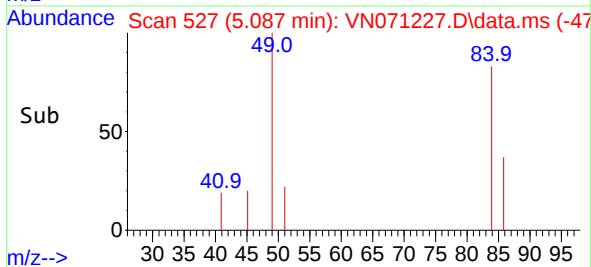
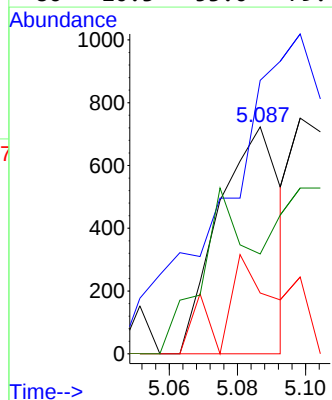
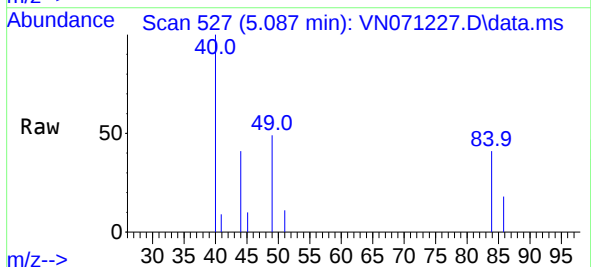
Instrument :
MSVOA_N
ClientSampleId :

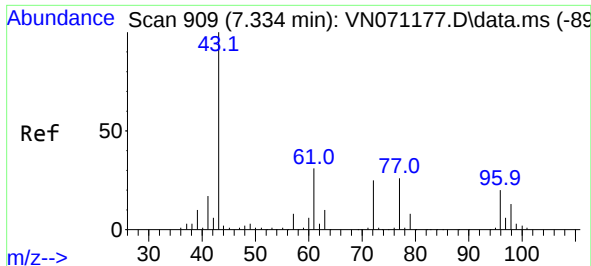
Tgt Ion: 43 Resp: 12928
Ion Ratio Lower Upper
43 100
74 12.2 19.4 29.2#



#20
Methylene Chloride
Concen: 0.479 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

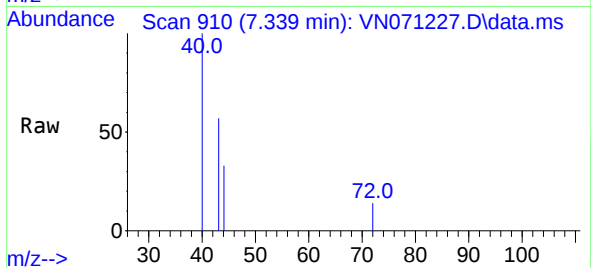
Tgt Ion: 84 Resp: 913
Ion Ratio Lower Upper
84 100
49 75.9 93.5 140.3#
51 26.8 29.4 44.2#
86 20.3 53.0 79.4#



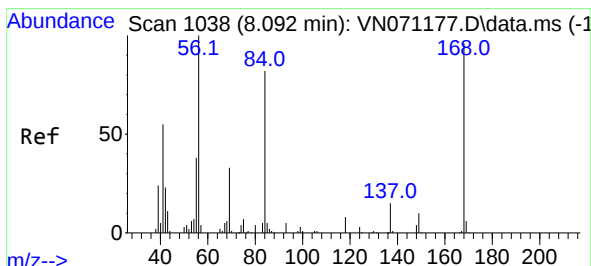
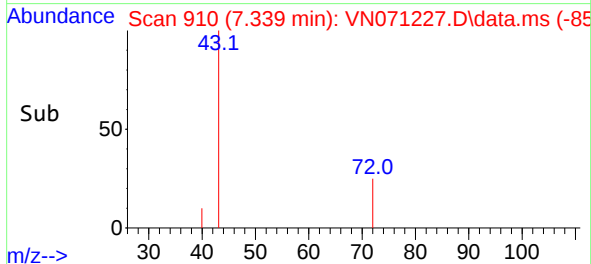
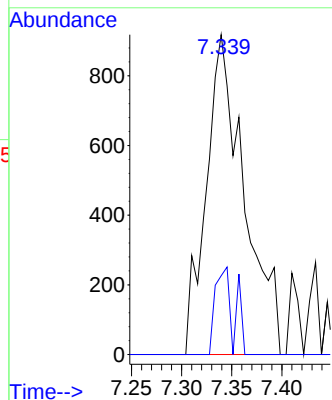


#25
2-Butanone
Concen: 0.295 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Instrument :
MSVOA_N
ClientSampleId :

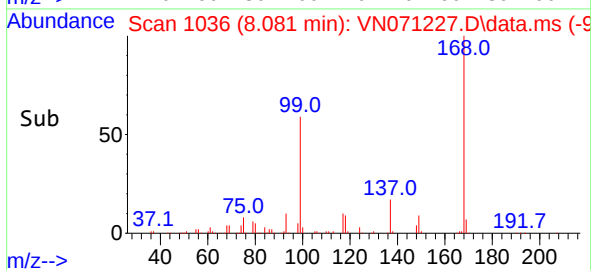
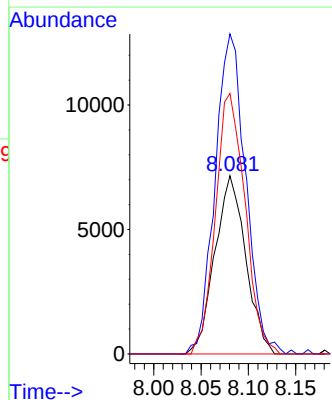
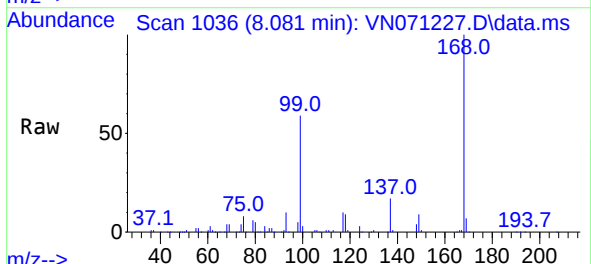


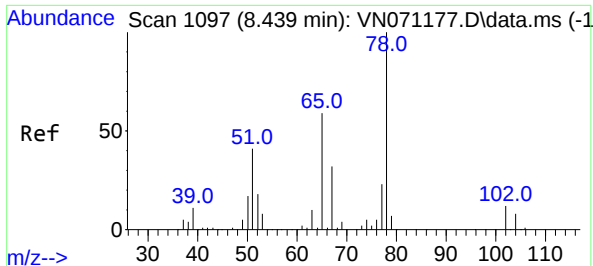
Tgt Ion: 43 Resp: 2433
Ion Ratio Lower Upper
43 100
72 24.6 21.7 32.5



#31
Cyclohexane
Concen: 0.967 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Tgt Ion: 56 Resp: 16263
Ion Ratio Lower Upper
56 100
69 179.6 27.1 40.7#
84 146.2 73.4 110.0#

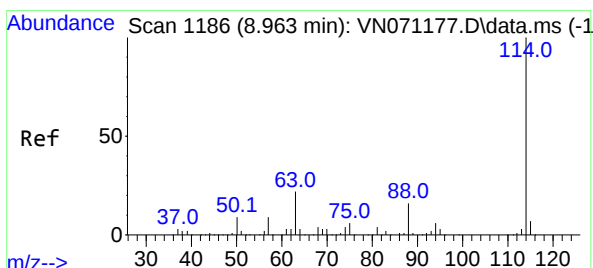
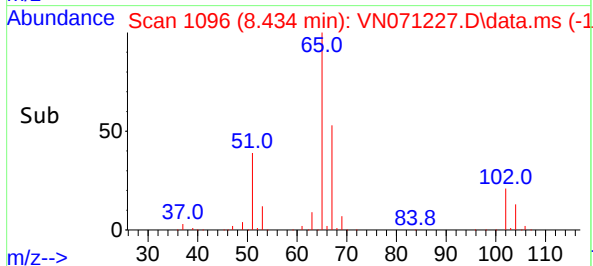
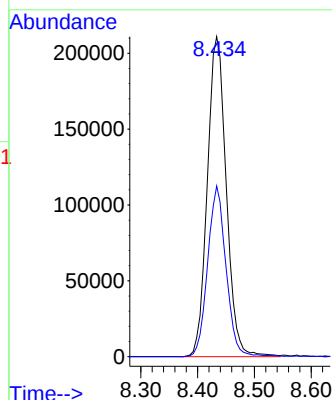
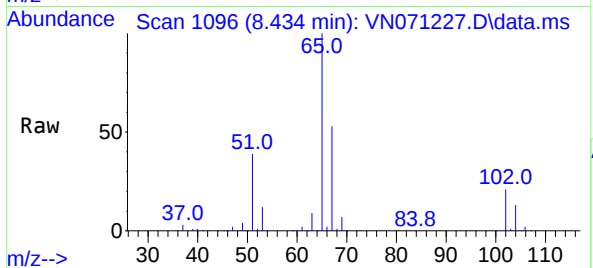




#33
1,2-Dichloroethane-d4
Concen: 46.329 ug/l
RT: 8.434 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

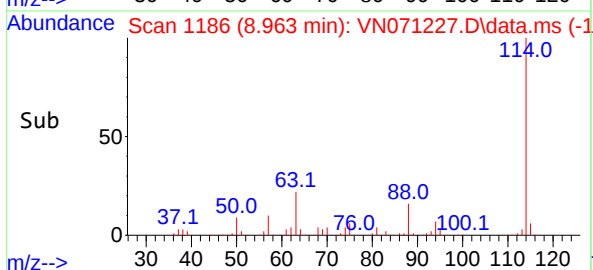
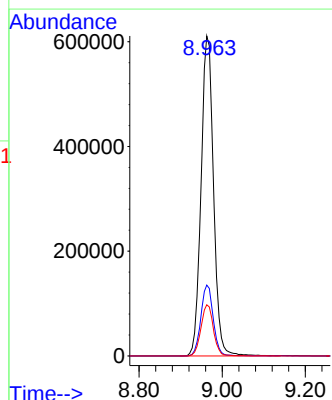
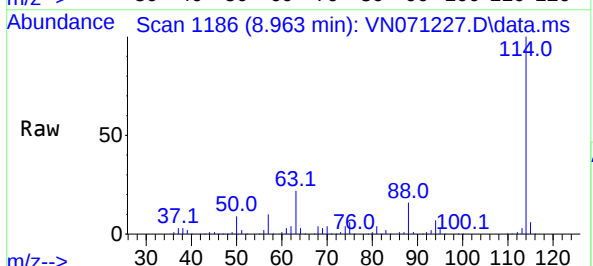
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MSVOA_N
ClientSampleId :

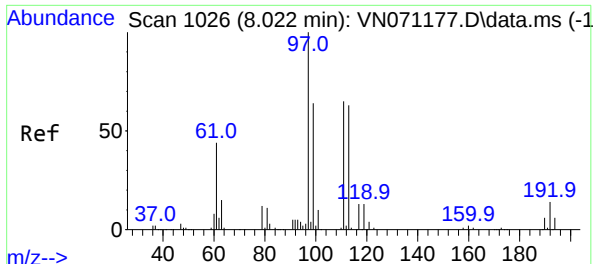
Tgt Ion: 65 Resp: 488020
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

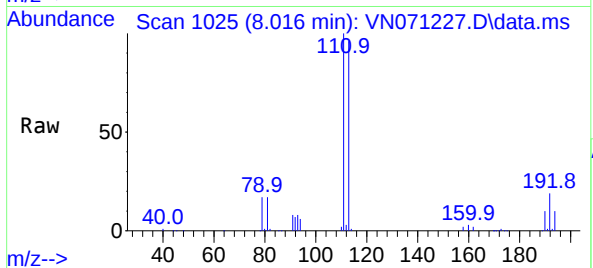
Tgt Ion: 114 Resp: 1275433
Ion Ratio Lower Upper
114 100
63 22.1 0.0 37.8
88 16.0 0.0 27.4



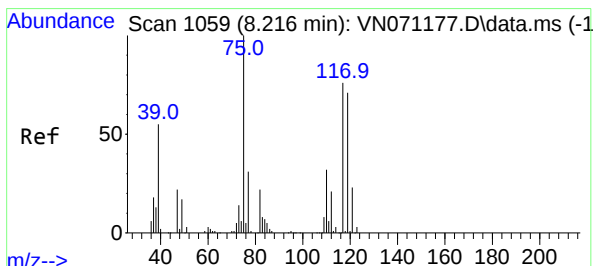
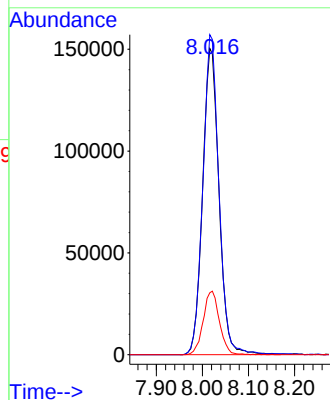
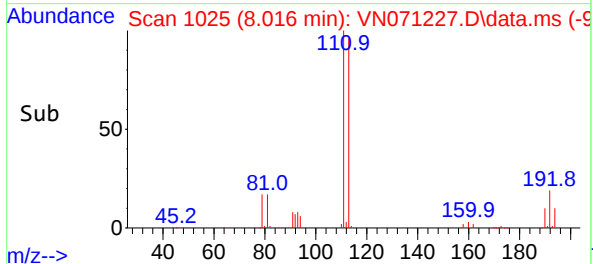


#35
Dibromofluoromethane
Concen: 46.314 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Instrument :
MSVOA_N
ClientSampleId :

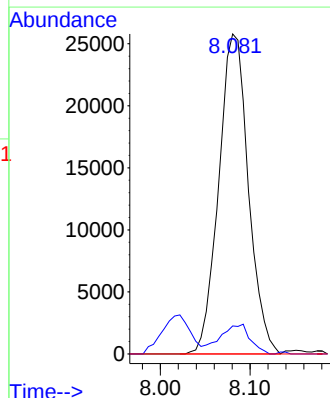
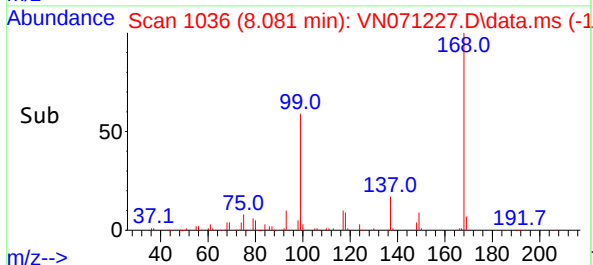
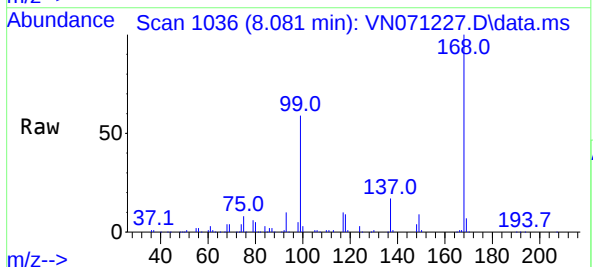


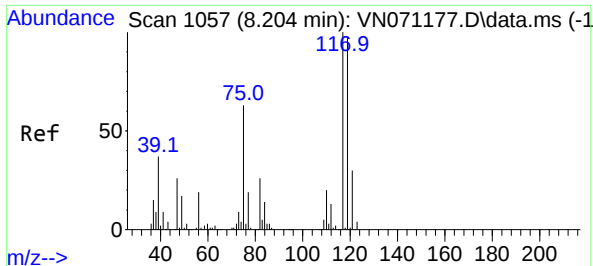
Tgt Ion:113 Resp: 372758
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.589 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

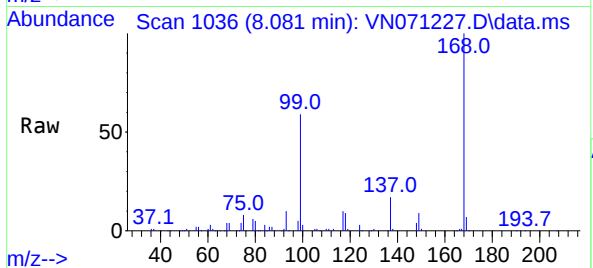
Tgt Ion: 75 Resp: 59176
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



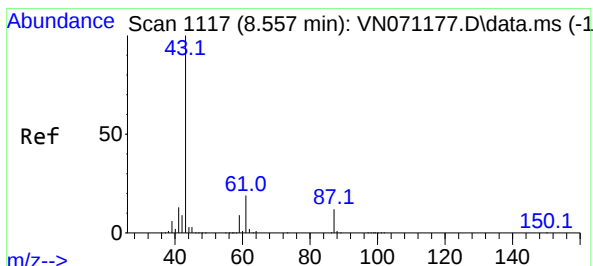
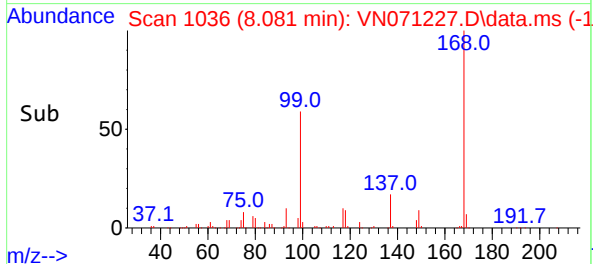
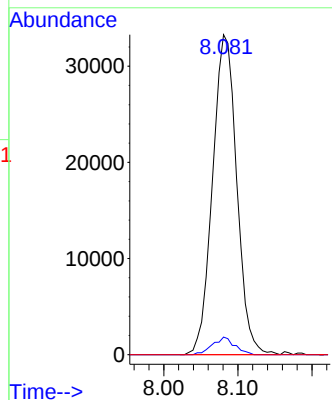


#38
Carbon Tetrachloride
Concen: 6.053 ug/l
RT: 8.081 min Scan# 1129
Delta R.T. -0.123 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Instrument :
MSVOA_N
ClientSampleId :

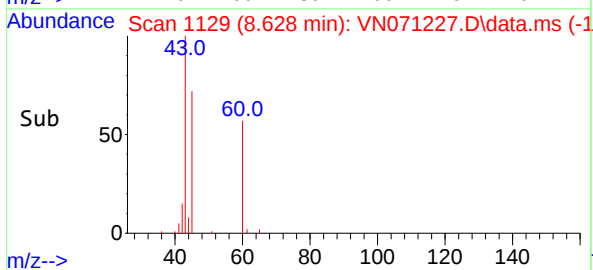
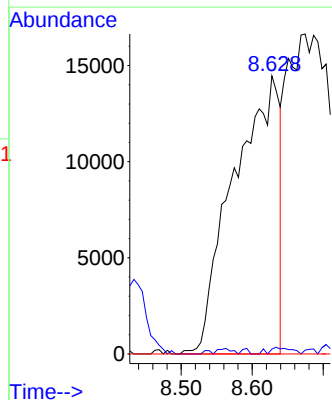
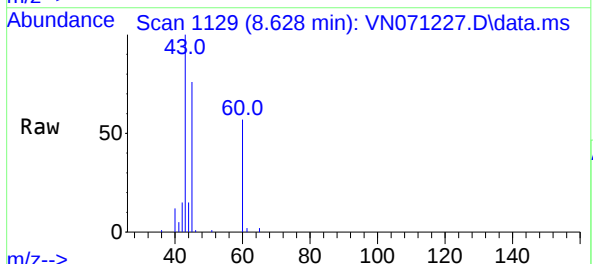


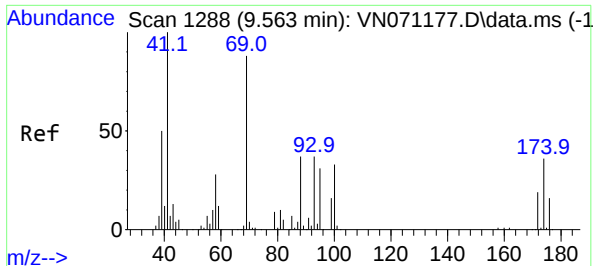
Tgt Ion:117 Resp: 75496
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.447 ug/l
RT: 8.628 min Scan# 1129
Delta R.T. 0.071 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Tgt Ion: 43 Resp: 64937
Ion Ratio Lower Upper
43 100
61 1.1 20.4 30.6#
87 0.0 11.2 16.8#





#49

1,4-Dioxane

Concen: 0.440 ug/l

RT: 9.569 min Scan# 1288

Delta R.T. 0.006 min

Lab File: VN071227.D

Acq: 10 Mar 2022 12:29

Instrument :

MSVOA_N

ClientSampleId :

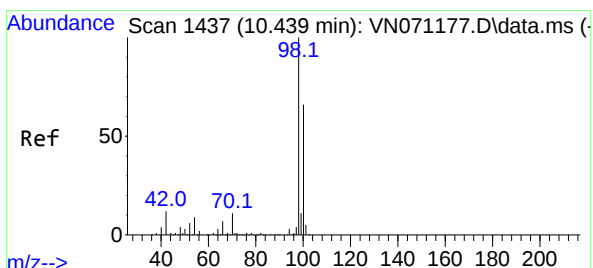
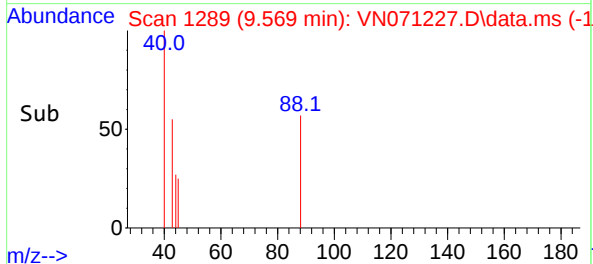
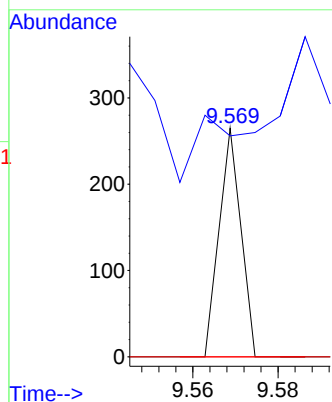
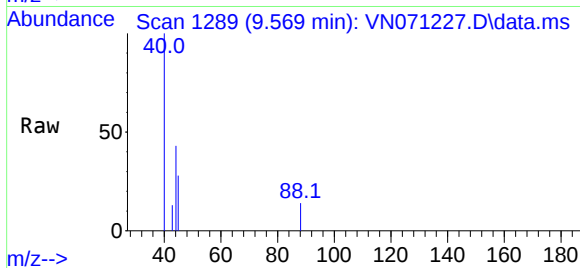
Tgt Ion: 88 Resp: 94

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#



#50

Toluene-d8

Concen: 47.779 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN071227.D

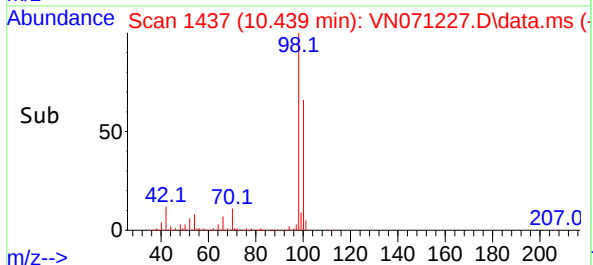
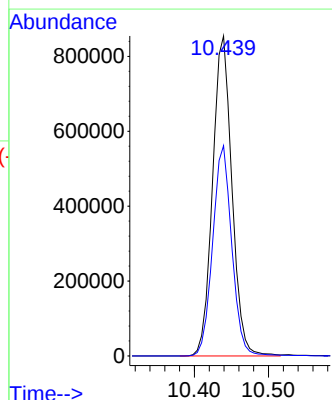
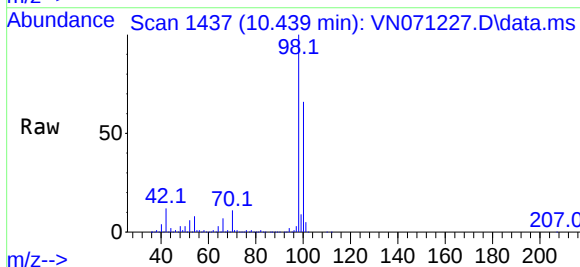
Acq: 10 Mar 2022 12:29

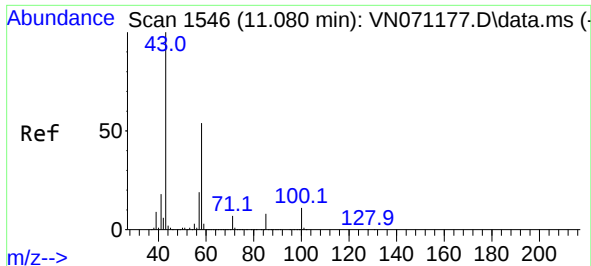
Tgt Ion: 98 Resp: 1548286

Ion Ratio Lower Upper

98 100

100 65.1 50.4 75.6

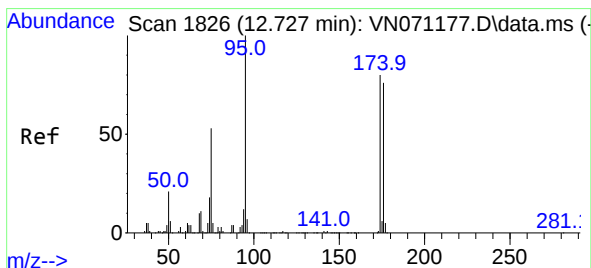
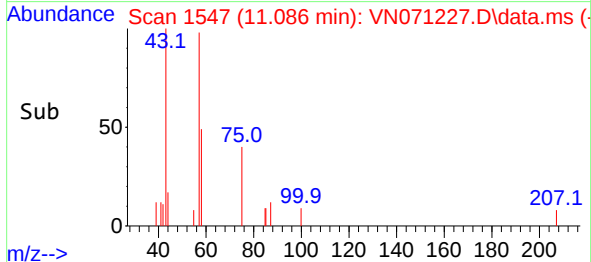
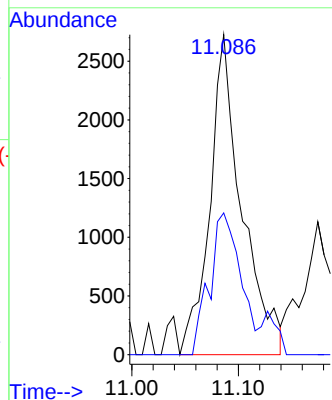
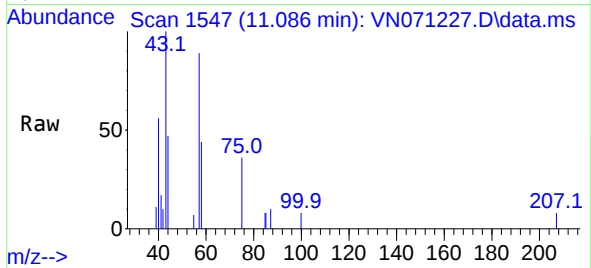




#59
2-Hexanone
Concen: 0.504 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

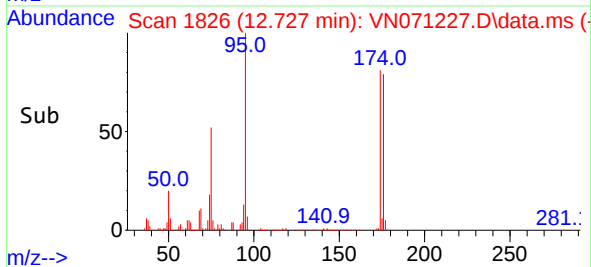
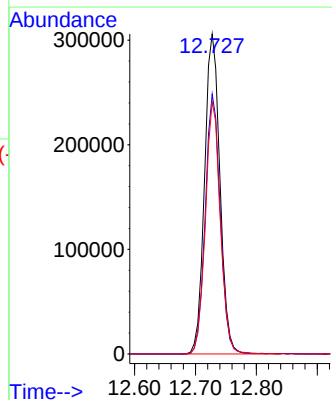
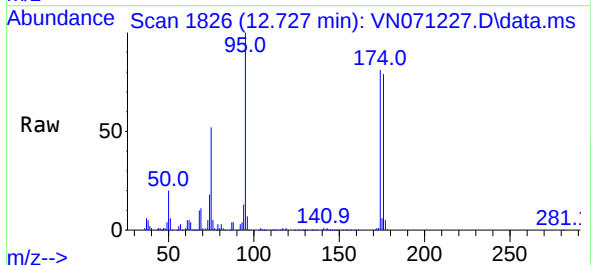
Instrument :
MSVOA_N
ClientSampleId :

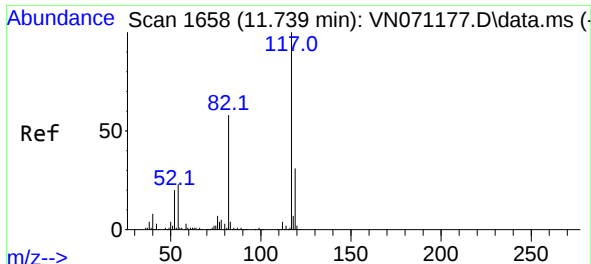
Tgt Ion: 43 Resp: 5668
Ion Ratio Lower Upper
43 100
58 44.4 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 48.795 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

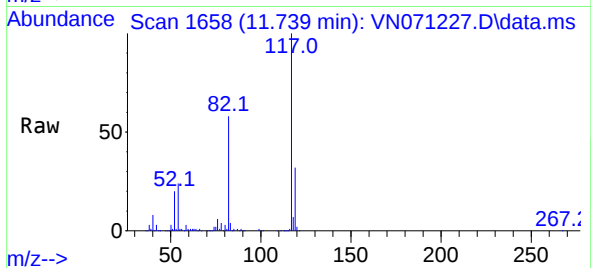
Tgt Ion: 95 Resp: 535441
Ion Ratio Lower Upper
95 100
174 79.6 0.0 187.2
176 76.4 0.0 181.4



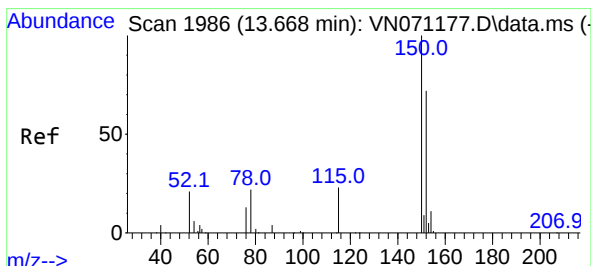
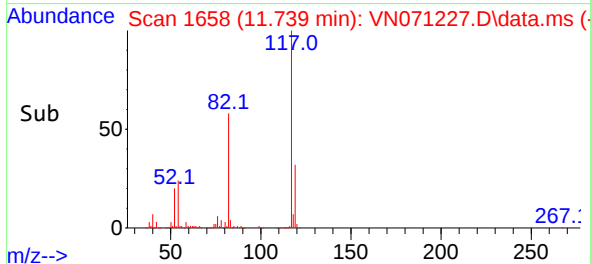
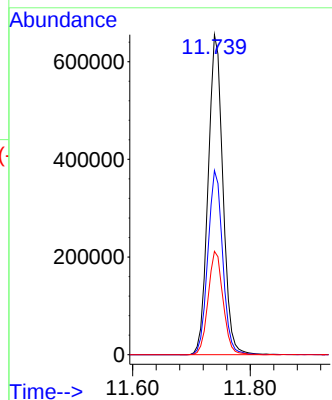


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Instrument :
MSVOA_N
ClientSampleId :

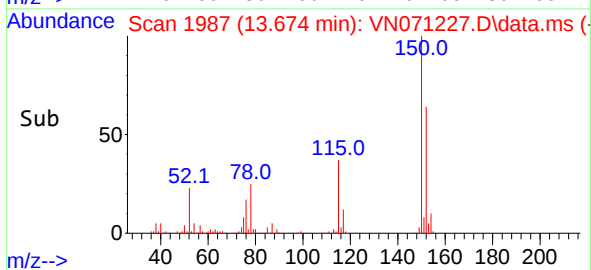
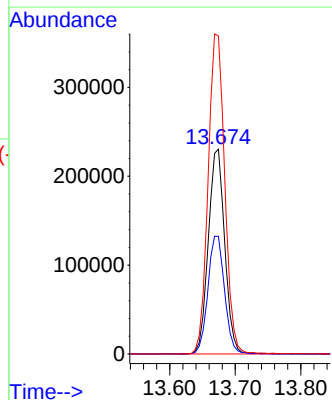
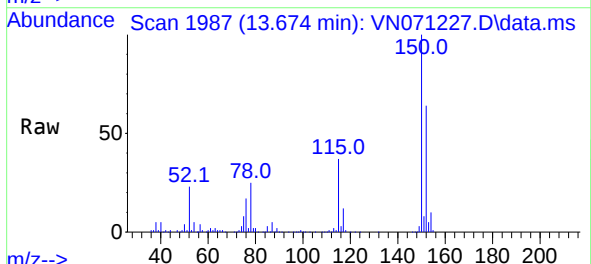


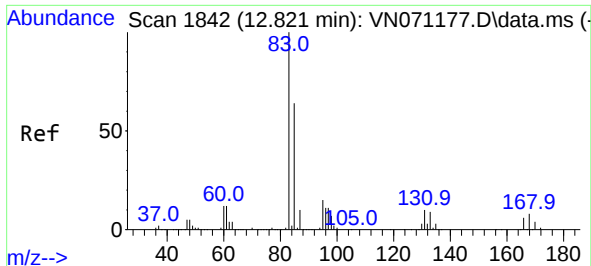
Tgt Ion:117 Resp: 1147821
Ion Ratio Lower Upper
117 100
82 57.5 42.4 63.6
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Tgt Ion:152 Resp: 402421
Ion Ratio Lower Upper
152 100
115 58.3 27.5 82.5
150 158.1 0.0 344.4

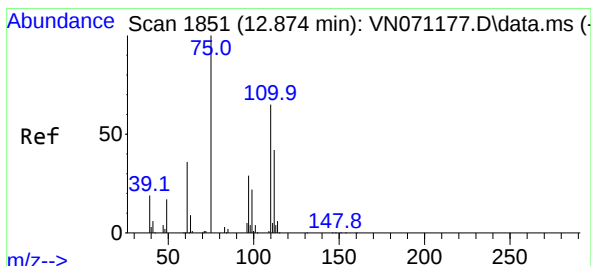
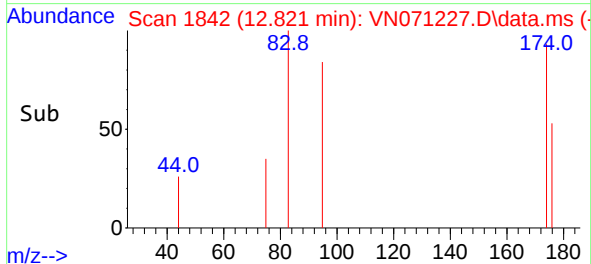
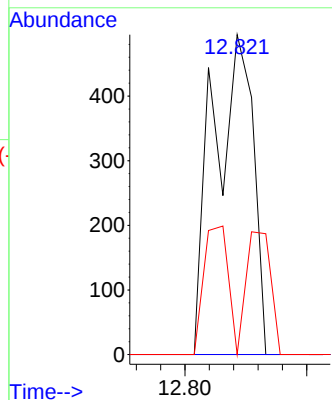
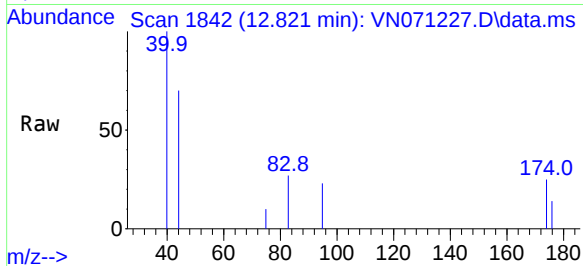




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.821 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

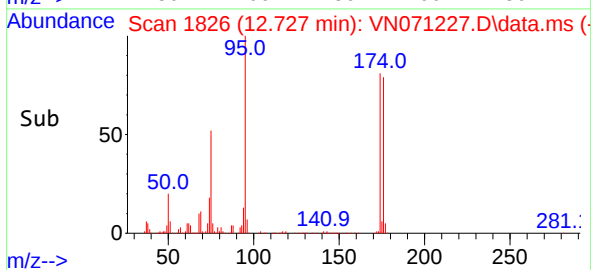
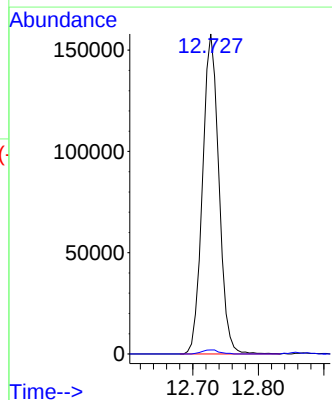
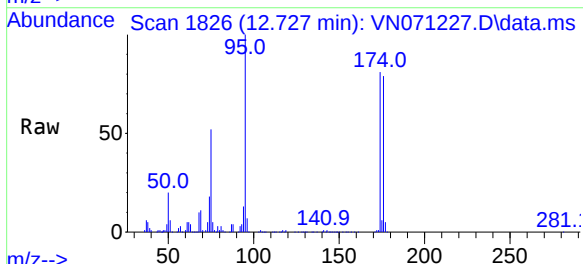
Instrument :
MSVOA_N
ClientSampleId :

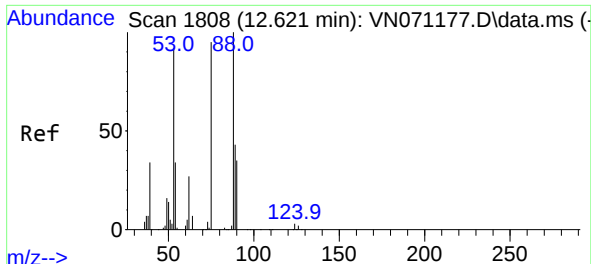
Tgt Ion: 83 Resp: 559
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 23.8 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 26.896 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Tgt Ion: 75 Resp: 275041
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

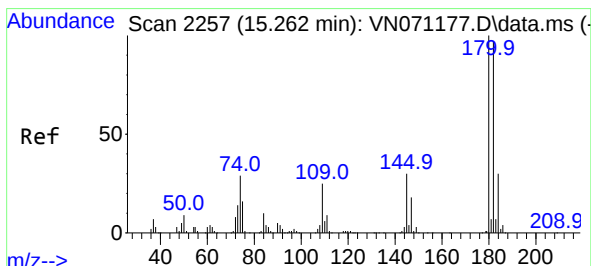
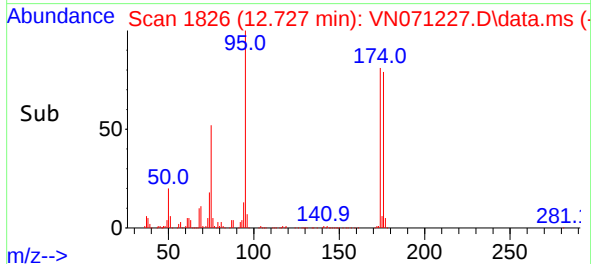
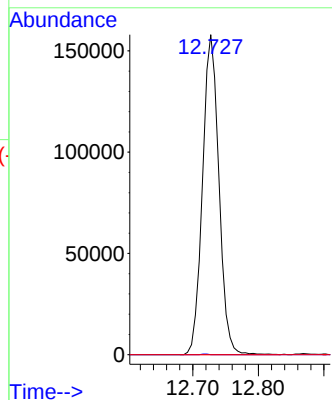
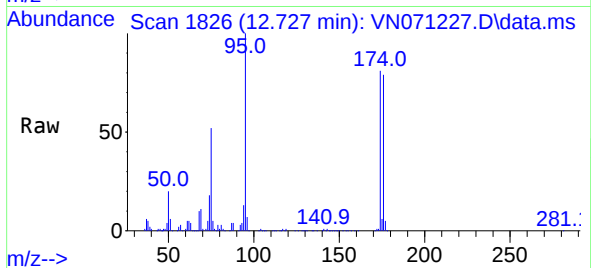




#81
trans-1,4-Dichloro-2-butene
Concen: 73.882 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

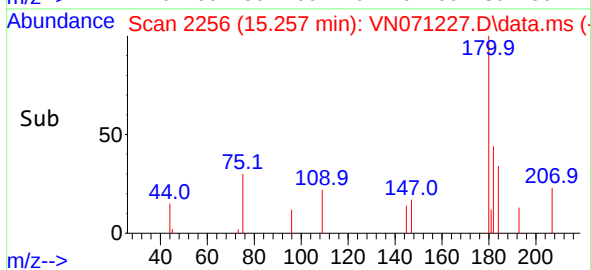
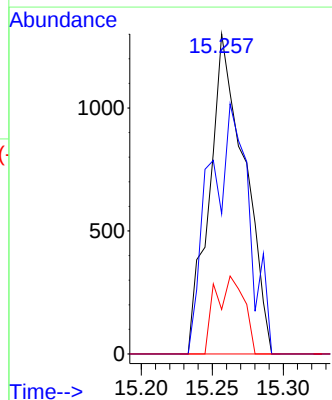
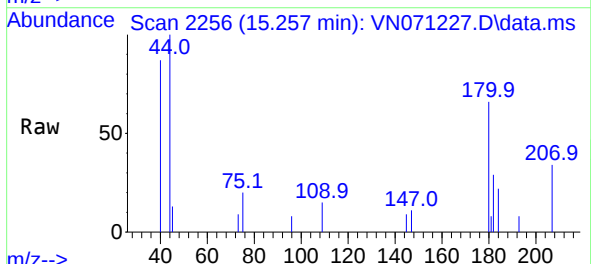
Instrument :
MSVOA_N
ClientSampleId :

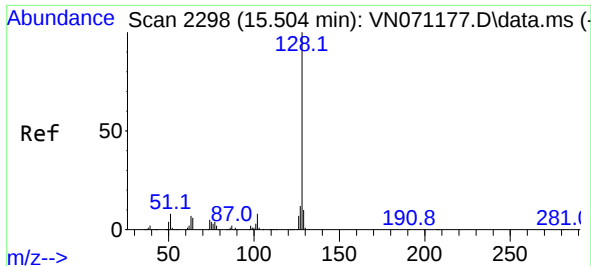
Tgt Ion: 75 Resp: 275041
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.309 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.005 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Tgt Ion:180 Resp: 2245
Ion Ratio Lower Upper
180 100
182 88.3 48.3 144.9
145 19.6 14.5 43.5

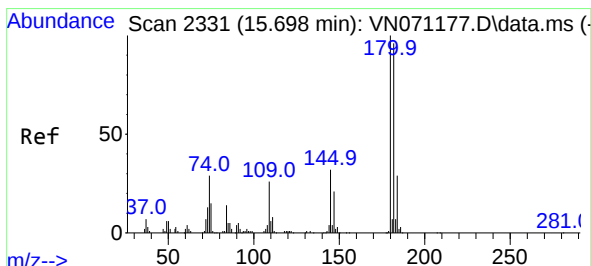
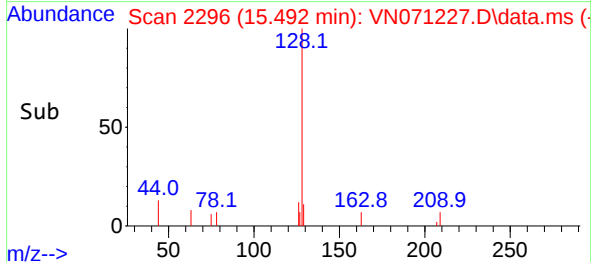
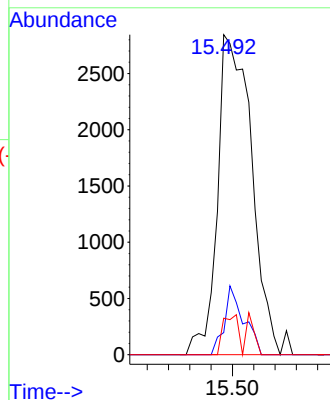
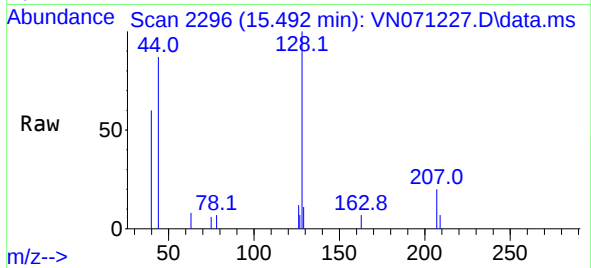




#95
Naphthalene
Concen: 5.374 ug/l
RT: 15.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 6295
Ion Ratio Lower Upper
128 100
127 12.2 10.5 15.7
129 5.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.122 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071227.D
Acq: 10 Mar 2022 12:29

Tgt Ion:180 Resp: 2605
Ion Ratio Lower Upper
180 100
182 81.3 47.4 142.2
145 29.8 15.0 45.1

