

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031622\
 Data File : VN071327.D
 Acq On : 16 Mar 2022 18:00
 Operator : JC\MD
 Sample : N1957-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MP-5

Quant Time: Mar 17 05:20:06 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

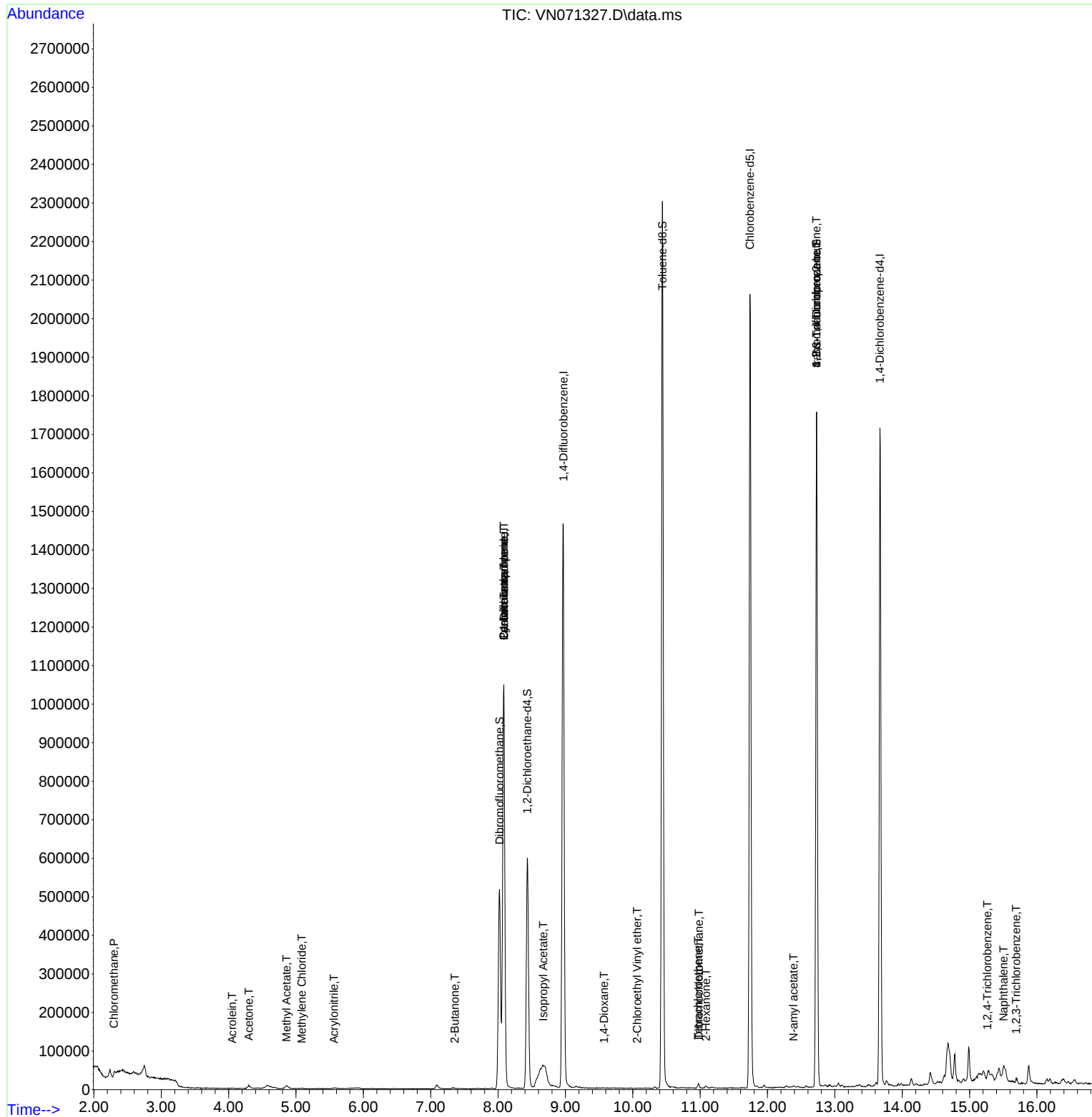
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	805402	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1306030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1207324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	466336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	493758	44.731	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.460%
35) Dibromofluoromethane	8.022	113	378337	45.906	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.820%
50) Toluene-d8	10.439	98	1599323	48.197	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.400%
62) 4-Bromofluorobenzene	12.727	95	600300	53.424	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	106.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.298	50	4318	0.330	ug/l	89
5) Bromomethane	2.798	94	174	Below Cal	#	66
13) Acrolein	4.051	56	1472	0.641	ug/l #	14
15) Acrylonitrile	5.563	53	1969	0.306	ug/l #	67
16) Acetone	4.298	43	10341	1.925	ug/l #	77
18) Methyl Acetate	4.857	43	19581	1.815	ug/l #	89
20) Methylene Chloride	5.087	84	435	0.426	ug/l #	38
25) 2-Butanone	7.357	43	3528	0.408	ug/l #	48
31) Cyclohexane	8.086	56	16620	0.943	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	62739	4.751	ug/l #	49
38) Carbon Tetrachloride	8.086	117	78893	6.177	ug/l #	16
43) Isopropyl Acetate	8.669	43	182576	6.718	ug/l #	55
49) 1,4-Dioxane	9.574	88	138	0.630	ug/l #	67
58) 2-Chloroethyl Vinyl ether	10.063	63	83	27.887	ug/l #	45
59) 2-Hexanone	11.086	43	5829	0.507	ug/l	82
60) Dibromochloromethane	10.980	129	2317	0.238	ug/l #	11
64) Tetrachloroethene	10.969	164	2713	0.322	ug/l #	72
74) N-amyl acetate	12.386	43	3765	0.223	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.833	83	1743	Below Cal	#	66
76) 1,2,3-Trichloropropane	12.727	75	310032	26.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	310032	71.867	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	3547	3.426	ug/l	87
95) Naphthalene	15.504	128	16934	5.779	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.692	180	4172	3.271	ug/l	95

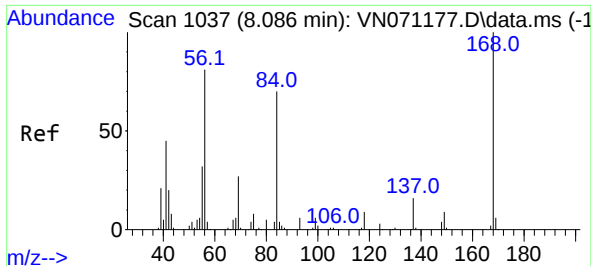
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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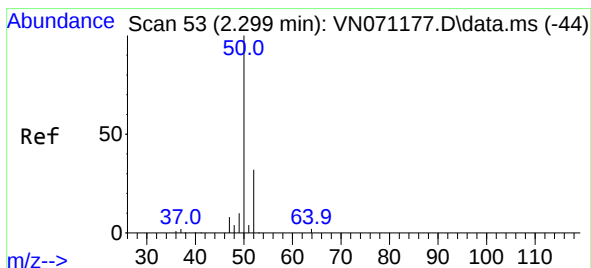
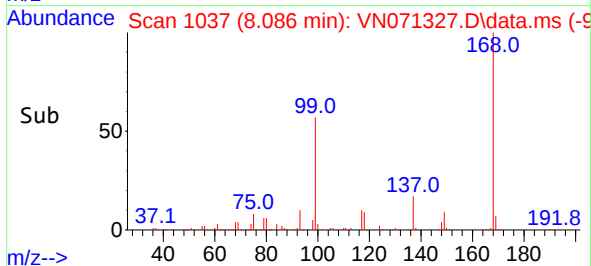
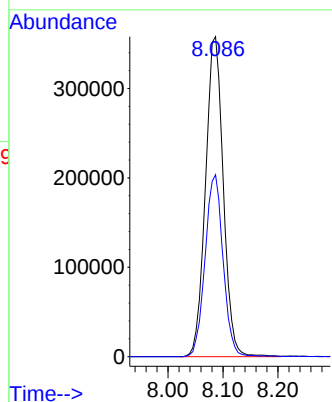
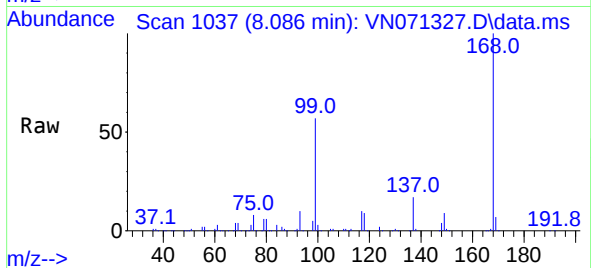




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

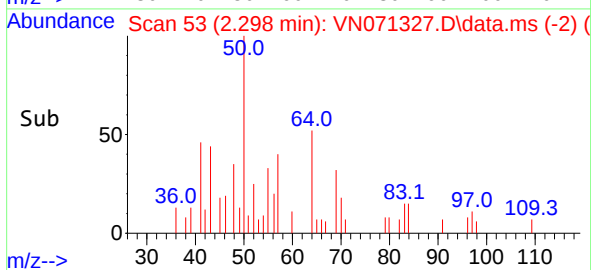
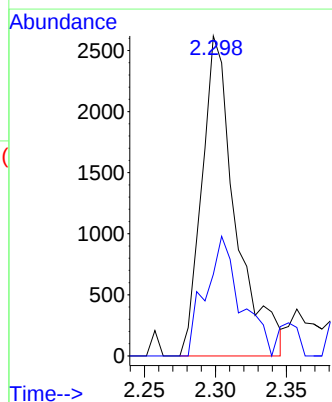
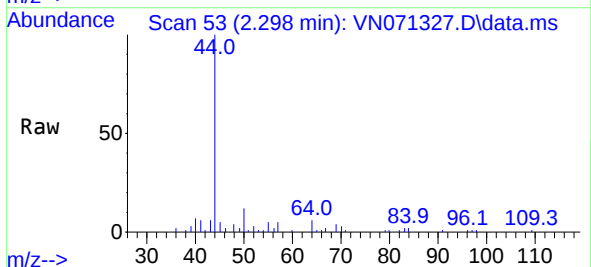
Instrument :
MSVOA_N
ClientSampleId :
MP-5

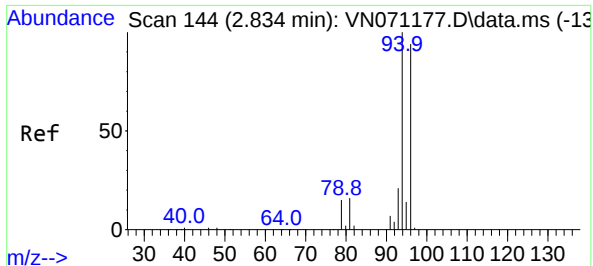
Tgt Ion:168 Resp: 805402
Ion Ratio Lower Upper
168 100
99 56.8 41.3 61.9



#3
Chloromethane
Concen: 0.330 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 50 Resp: 4318
Ion Ratio Lower Upper
50 100
52 25.5 25.4 38.0

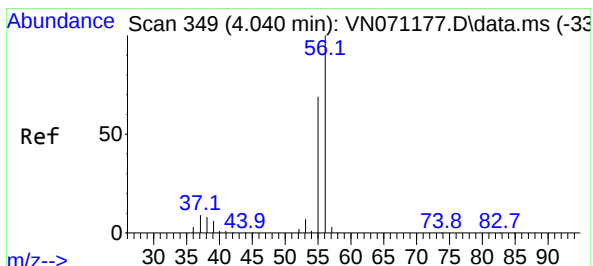
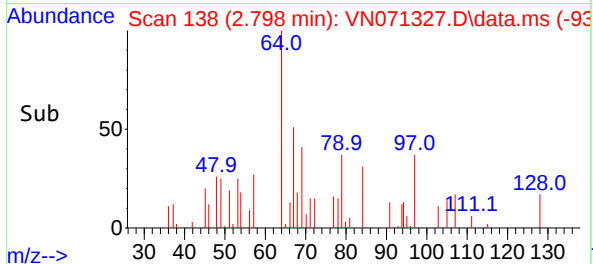
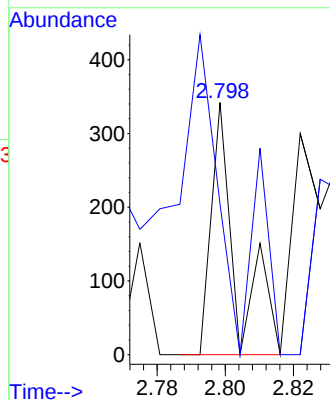
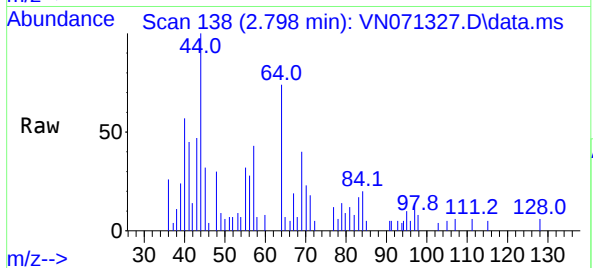




#5
Bromomethane
Concen: Below Cal
RT: 2.798 min Scan# 11
Delta R.T. -0.036 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

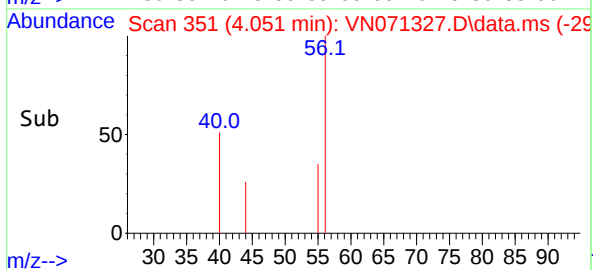
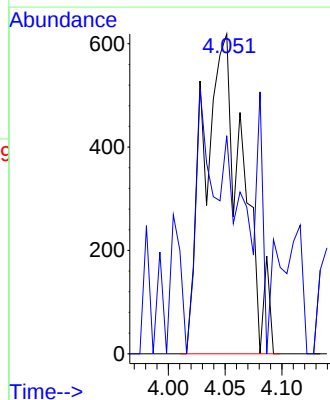
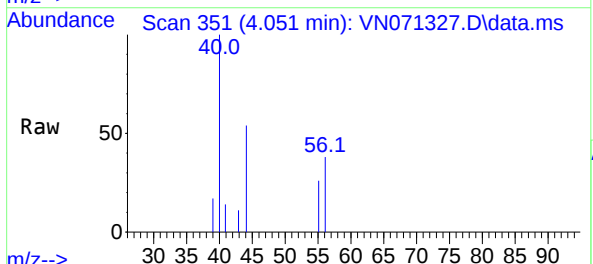
Instrument :
MSVOA_N
ClientSampleId :
MP-5

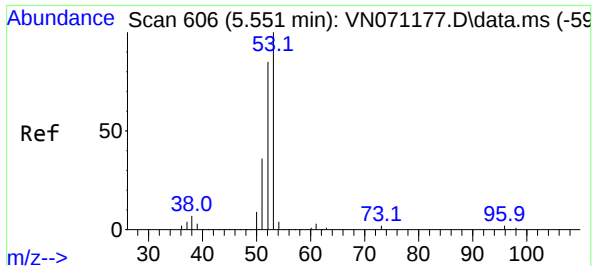
Tgt Ion: 94 Resp: 174
Ion Ratio Lower Upper
94 100
96 59.6 73.8 110.8#



#13
Acrolein
Concen: 0.641 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.012 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 56 Resp: 1472
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#

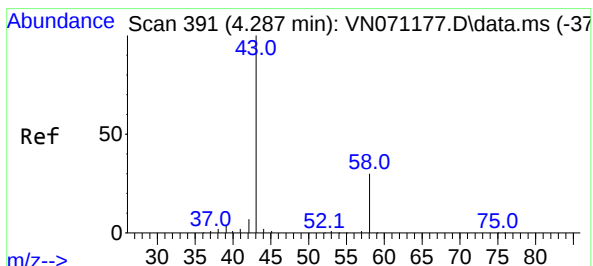
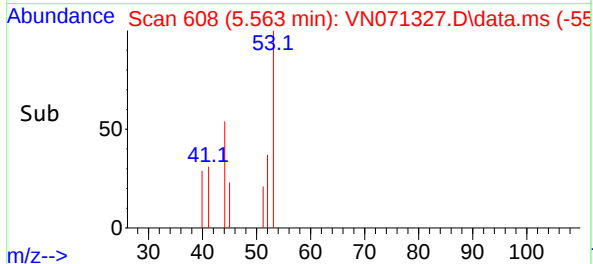
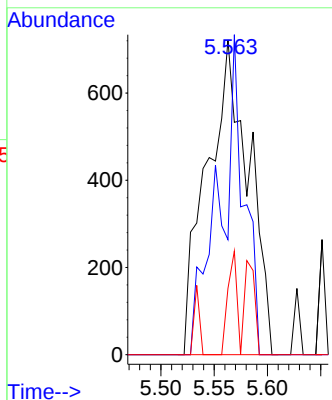
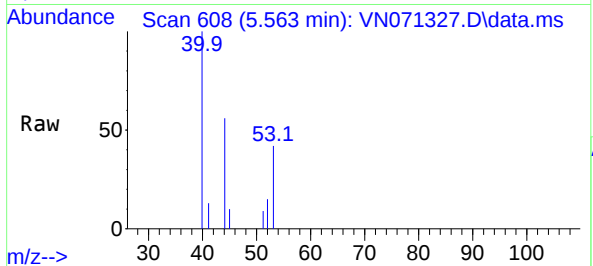




#15
Acrylonitrile
Concen: 0.306 ug/l
RT: 5.563 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

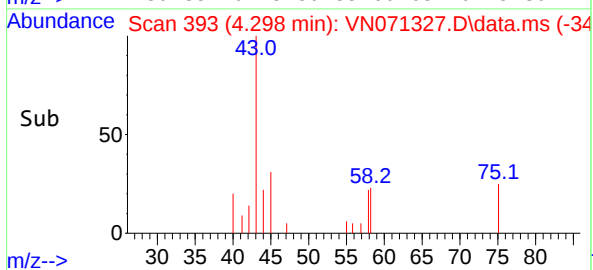
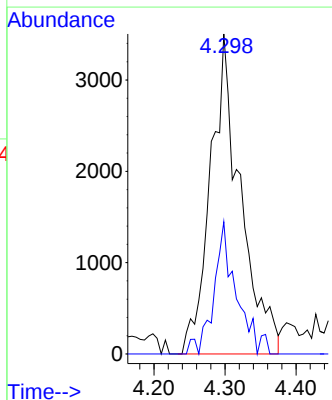
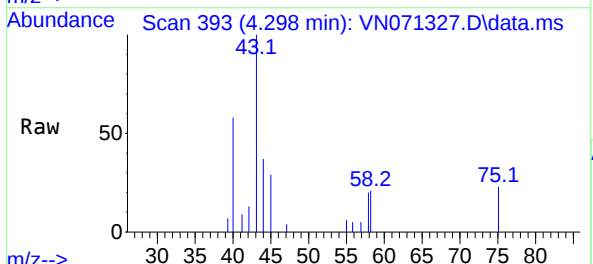
Instrument :
MSVOA_N
ClientSampleId :
MP-5

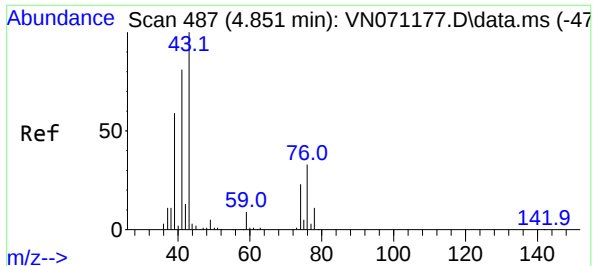
Tgt Ion: 53 Resp: 1969
Ion Ratio Lower Upper
53 100
52 59.7 66.2 99.2#
51 7.0 29.6 44.4#



#16
Acetone
Concen: 1.925 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.012 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 43 Resp: 10341
Ion Ratio Lower Upper
43 100
58 41.3 23.1 34.7#

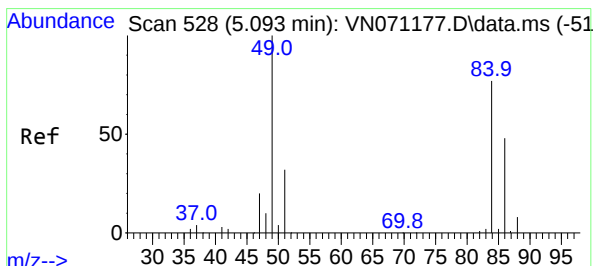
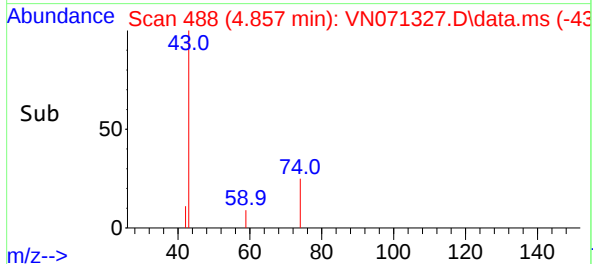
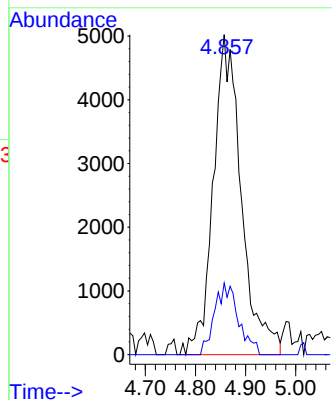
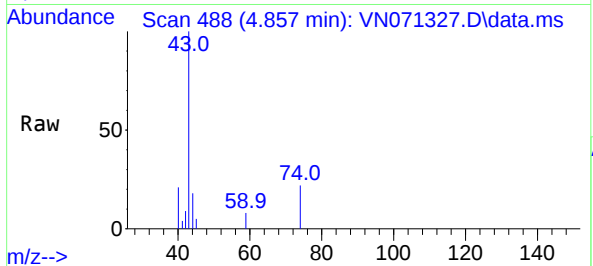




#18
Methyl Acetate
Concen: 1.815 ug/l
RT: 4.857 min Scan# 487
Delta R.T. 0.006 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

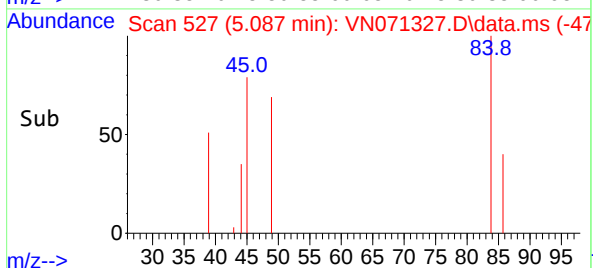
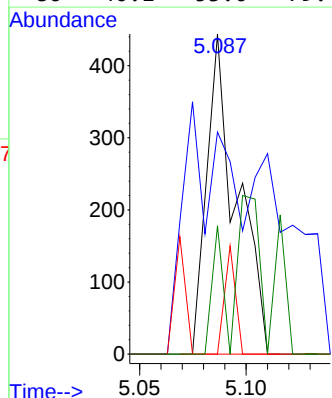
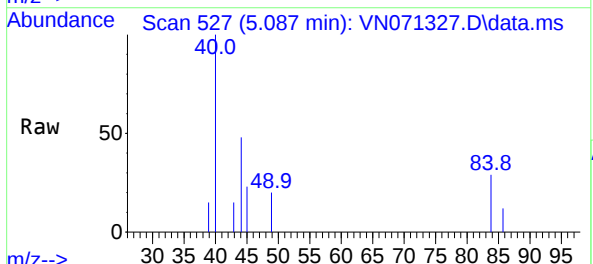
Instrument :
MSVOA_N
ClientSampleId :
MP-5

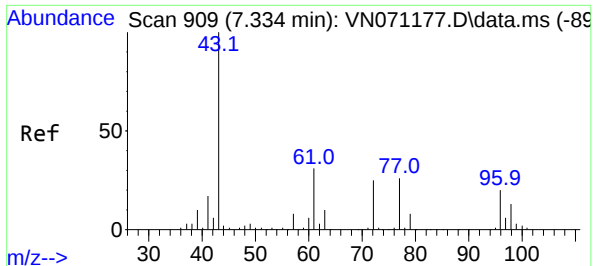
Tgt Ion: 43 Resp: 19581
Ion Ratio Lower Upper
43 100
74 18.9 19.4 29.2#



#20
Methylene Chloride
Concen: 0.426 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 84 Resp: 435
Ion Ratio Lower Upper
84 100
49 31.3 93.5 140.3#
51 0.0 29.4 44.2#
86 40.1 53.0 79.4#





#25

2-Butanone

Concen: 0.408 ug/l

RT: 7.357 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN071327.D

Acq: 16 Mar 2022 18:00

Instrument :

MSVOA_N

ClientSampleId :

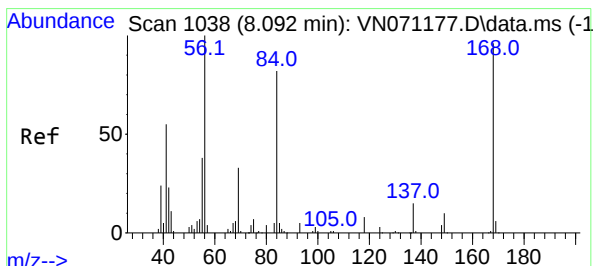
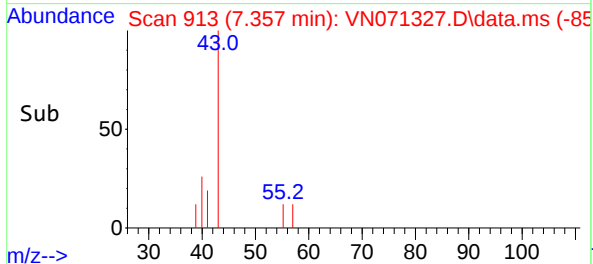
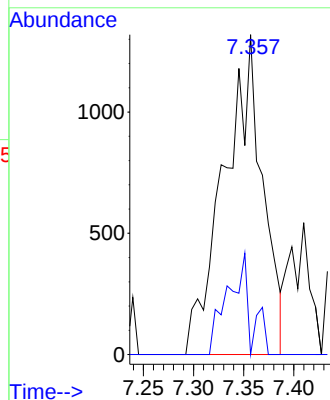
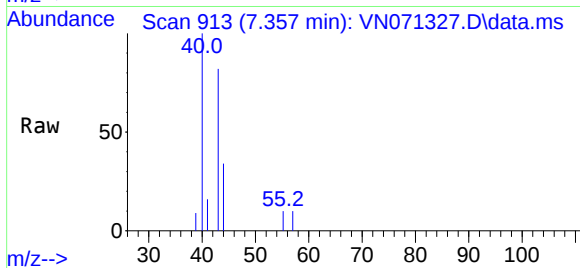
MP-5

Tgt Ion: 43 Resp: 3528

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#31

Cyclohexane

Concen: 0.943 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071327.D

Acq: 16 Mar 2022 18:00

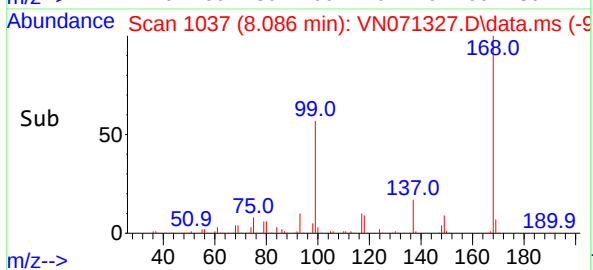
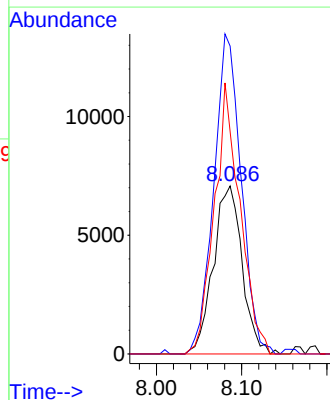
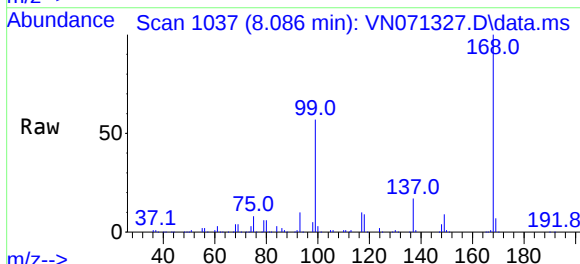
Tgt Ion: 56 Resp: 16620

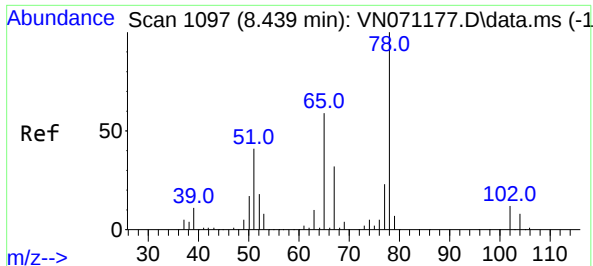
Ion Ratio Lower Upper

56 100

69 183.2 27.1 40.7#

84 132.4 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 44.731 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071327.D

Acq: 16 Mar 2022 18:00

Instrument :

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ClientSampleId :

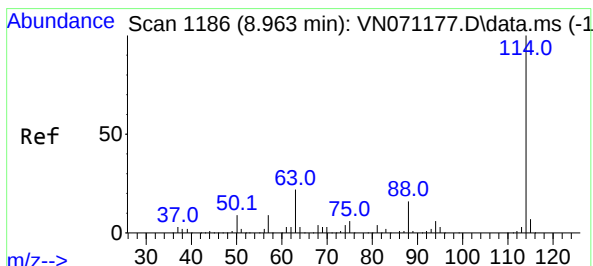
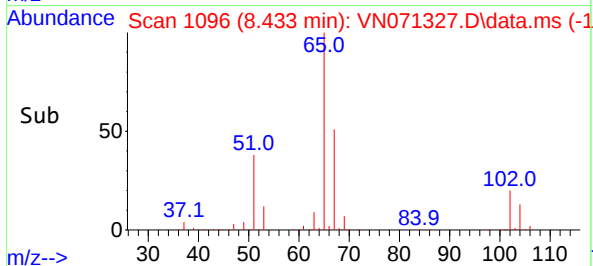
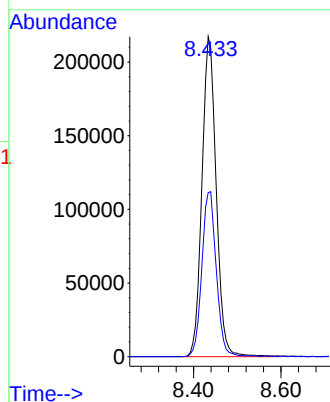
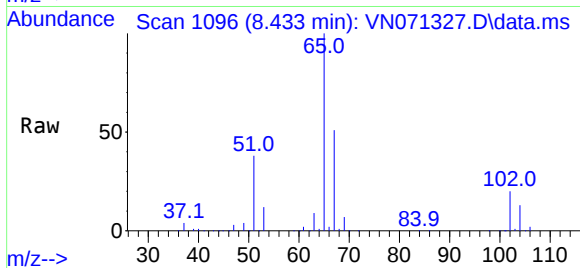
MP-5

Tgt Ion: 65 Resp: 493758

Ion Ratio Lower Upper

65 100

67 52.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.006 min

Lab File: VN071327.D

Acq: 16 Mar 2022 18:00

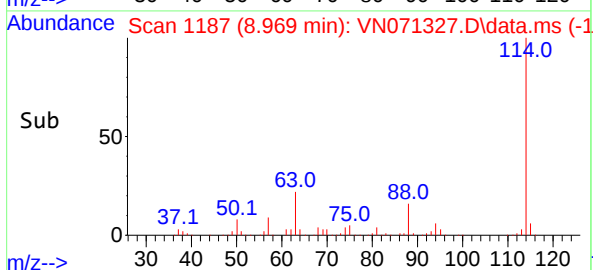
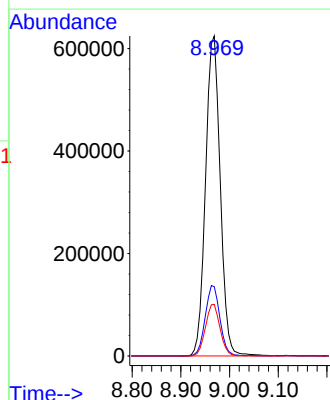
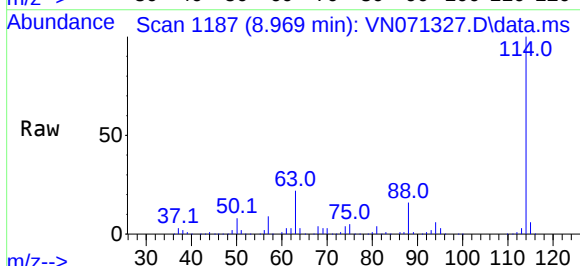
Tgt Ion:114 Resp: 1306030

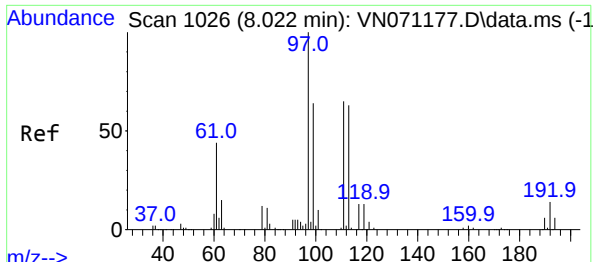
Ion Ratio Lower Upper

114 100

63 21.7 0.0 37.8

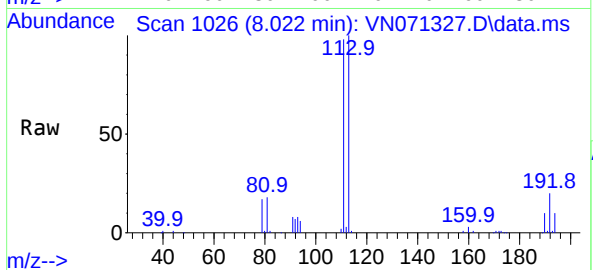
88 16.1 0.0 27.4



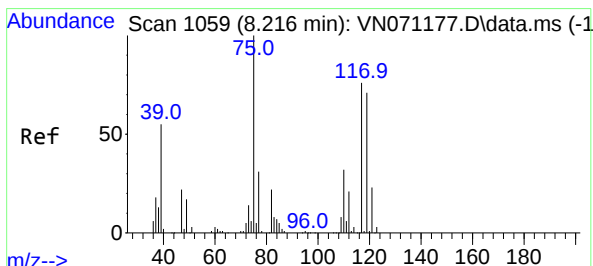
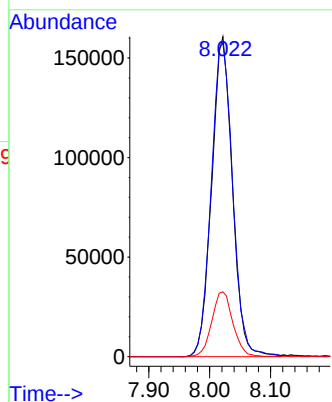
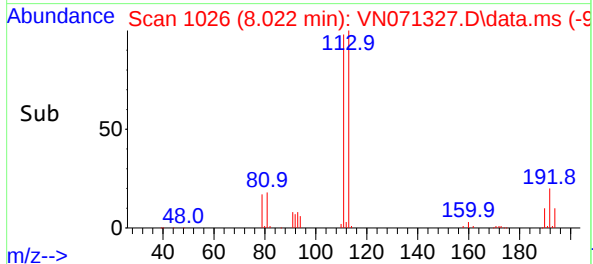


#35
Dibromofluoromethane
Concen: 45.906 ug/l
RT: 8.022 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

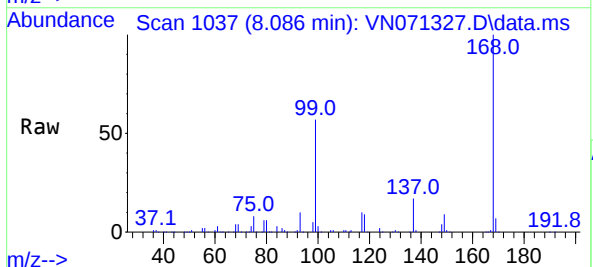
Instrument :
MSVOA_N
ClientSampleId :
MP-5



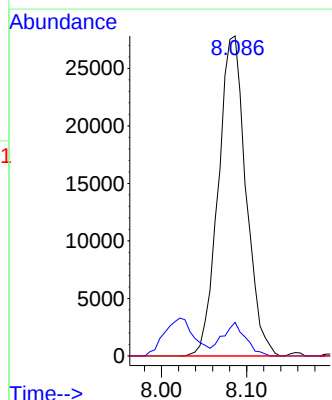
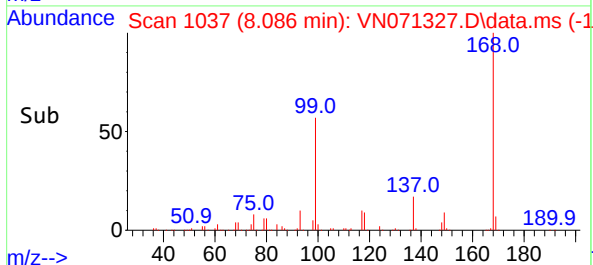
Tgt Ion:113 Resp: 378337
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.7 16.9 25.3

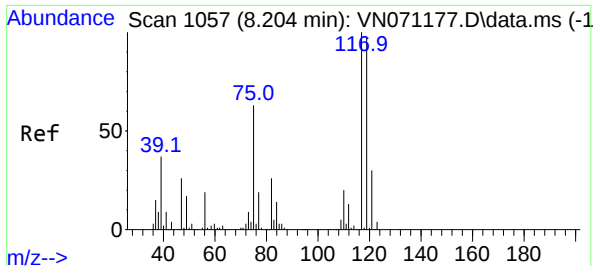


#36
1,1-Dichloropropene
Concen: 4.751 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00



Tgt Ion: 75 Resp: 62739
Ion Ratio Lower Upper
75 100
110 8.8 18.4 55.2#
77 0.0 24.4 36.6#

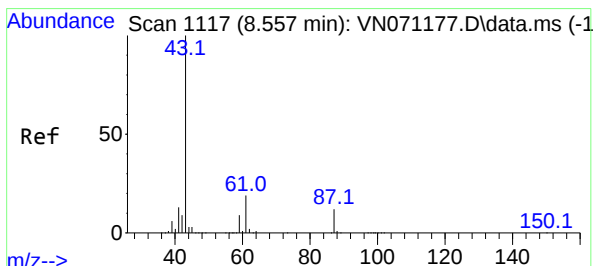
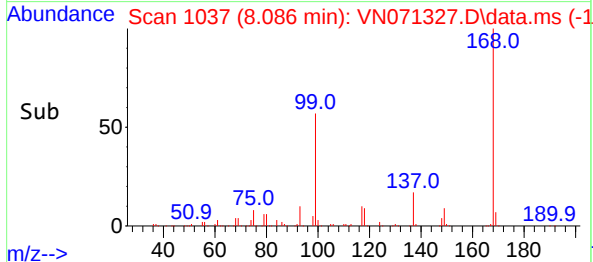
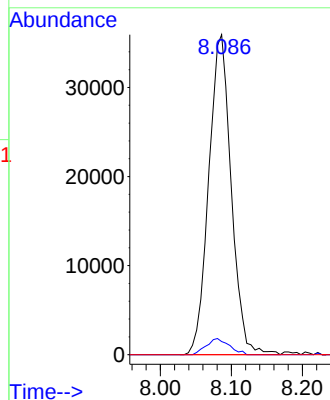
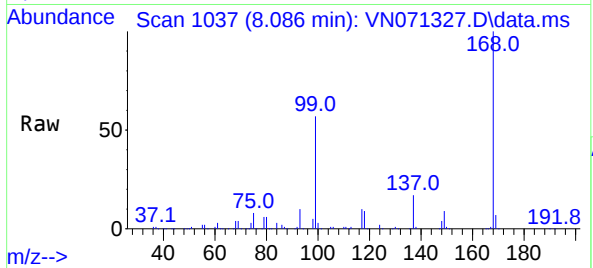




#38
Carbon Tetrachloride
Concen: 6.177 ug/l
RT: 8.086 min Scan# 1136
Delta R.T. -0.118 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

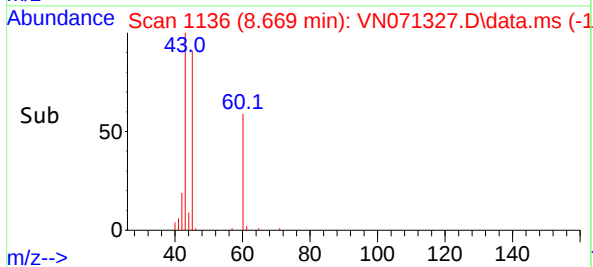
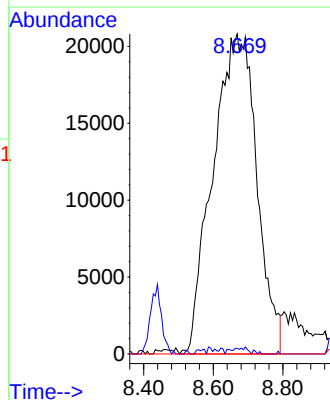
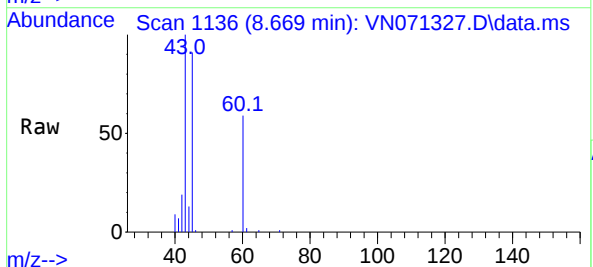
Instrument :
MSVOA_N
ClientSampleId :
MP-5

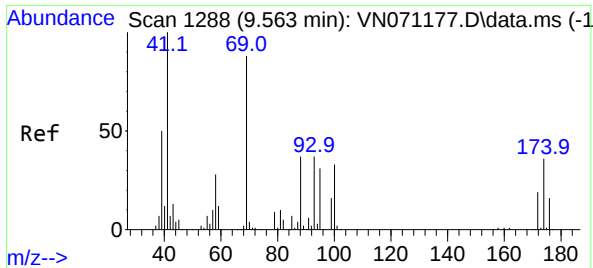
Tgt Ion:117 Resp: 78893
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.718 ug/l
RT: 8.669 min Scan# 1136
Delta R.T. 0.112 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 43 Resp: 182576
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

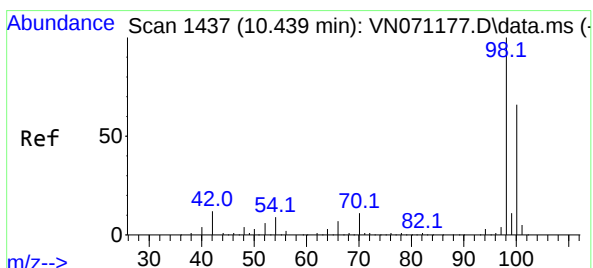
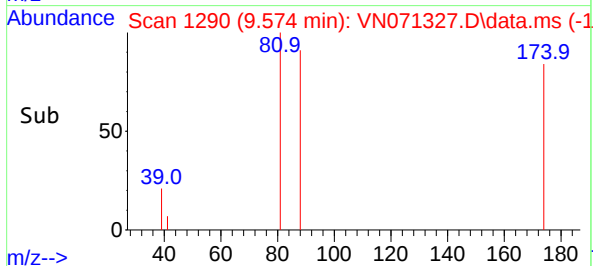
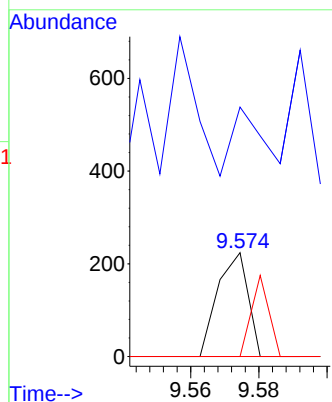
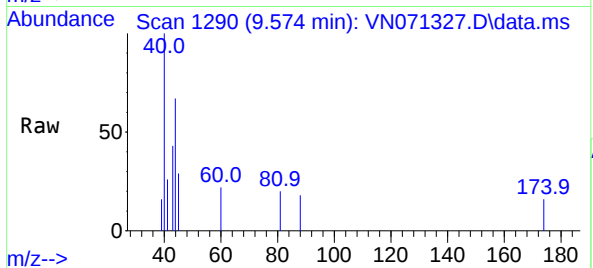




#49
1,4-Dioxane
Concen: 0.630 ug/l
RT: 9.574 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

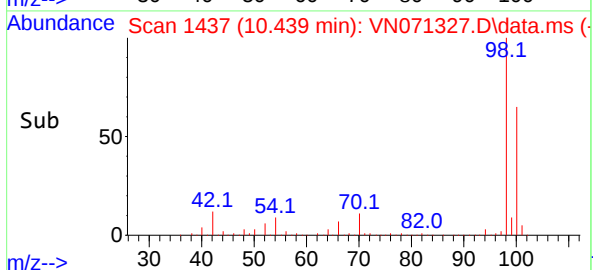
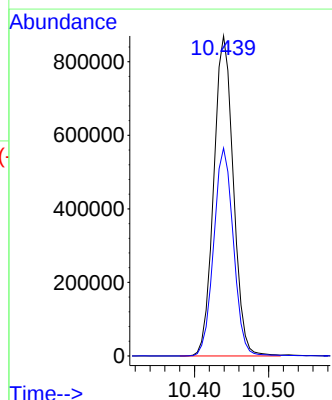
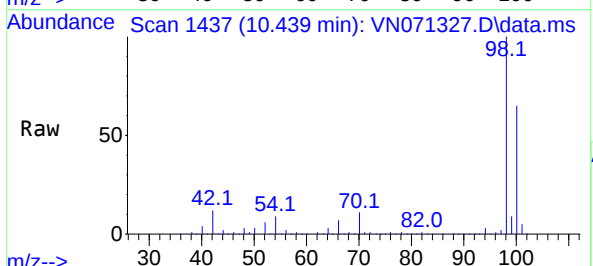
Instrument :
MSVOA_N
ClientSampleId :
MP-5

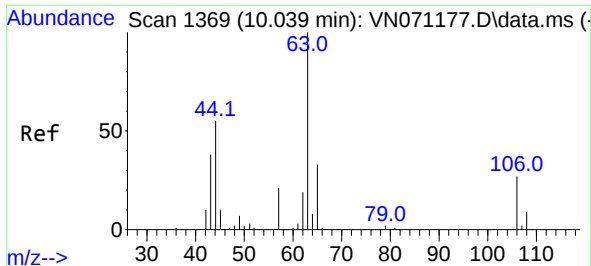
Tgt Ion: 88 Resp: 138
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 44.9 50.6 75.8#



#50
Toluene-d8
Concen: 48.197 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 98 Resp: 1599323
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6

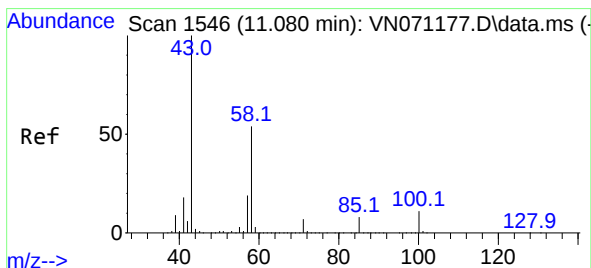
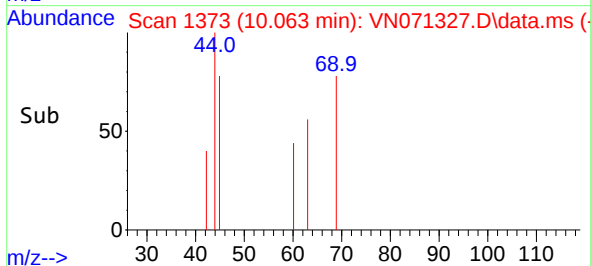
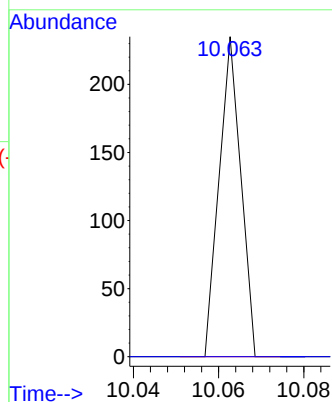
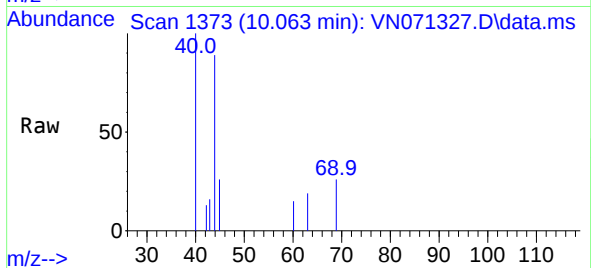




#58
2-Chloroethyl Vinyl ether
Concen: 27.887 ug/l
RT: 10.063 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

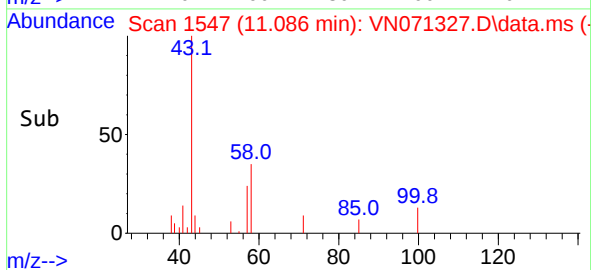
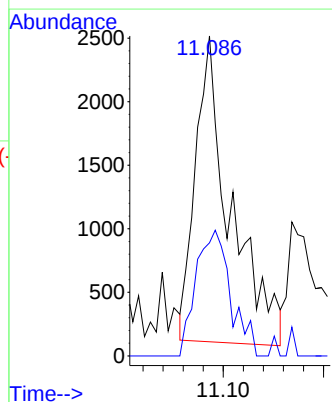
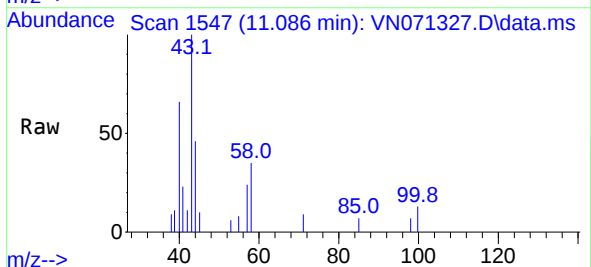
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MSVOA_N
ClientSampleId :
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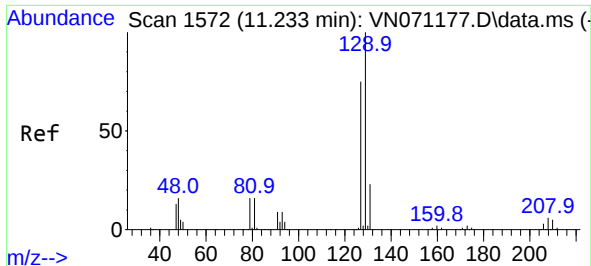
Tgt Ion: 63 Resp: 83
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.507 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 43 Resp: 5829
Ion Ratio Lower Upper
43 100
58 40.8 26.9 80.7

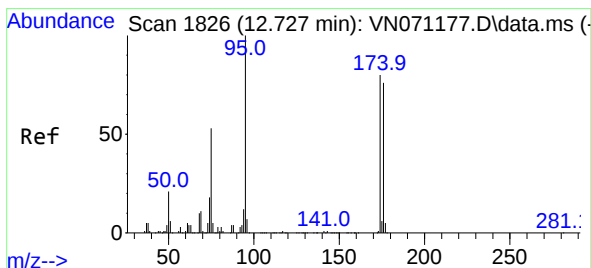
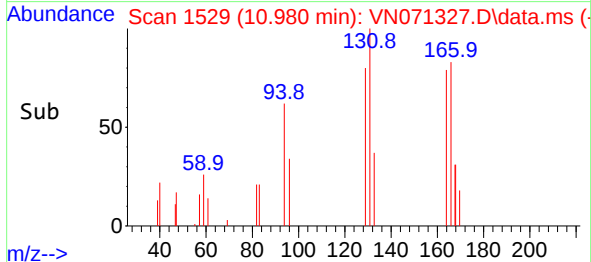
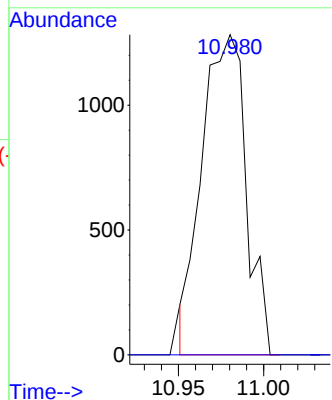
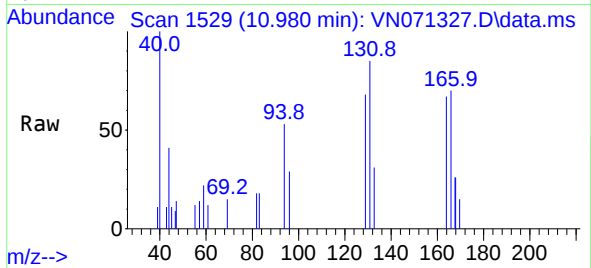




#60
Dibromochloromethane
Concen: 0.238 ug/l
RT: 10.980 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

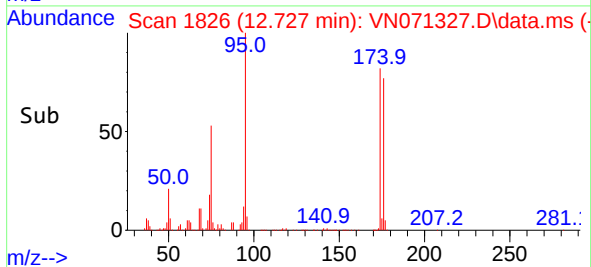
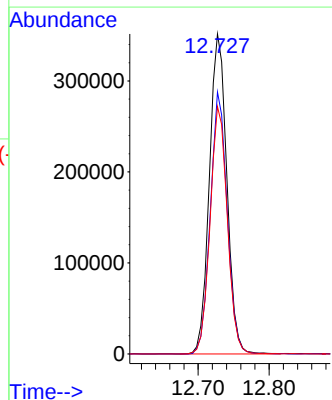
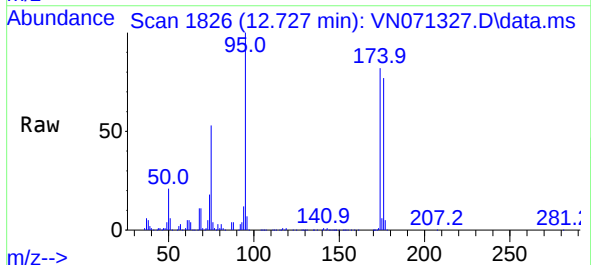
Instrument :
MSVOA_N
ClientSampleId :
MP-5

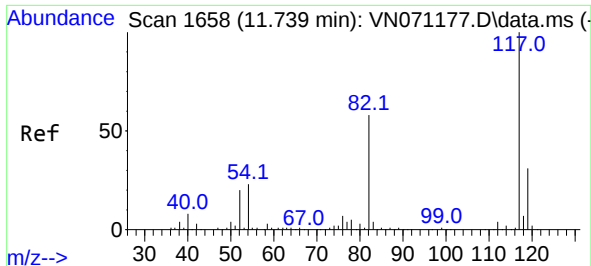
Tgt Ion:129 Resp: 2317
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 53.424 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 95 Resp: 600300
Ion Ratio Lower Upper
95 100
174 79.3 0.0 187.2
176 76.3 0.0 181.4

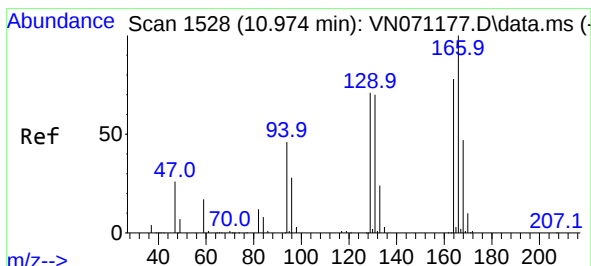
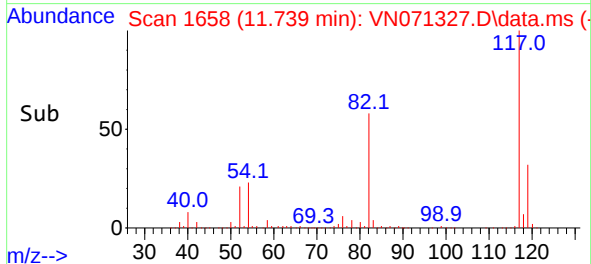
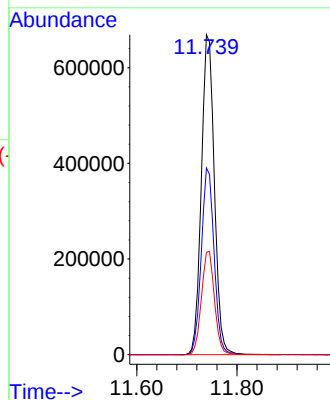
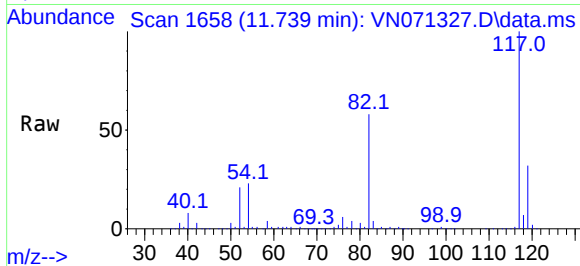




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

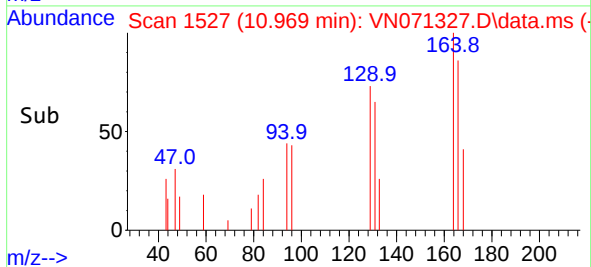
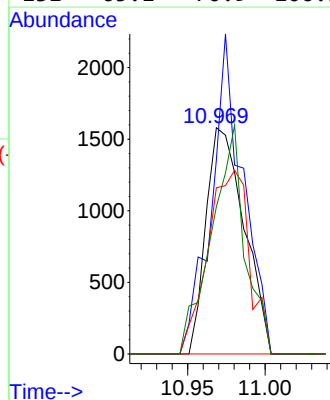
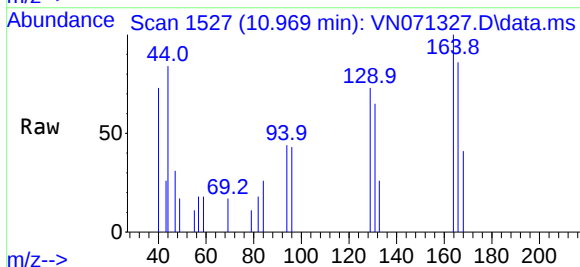
Instrument :
MSVOA_N
ClientSampleId :
MP-5

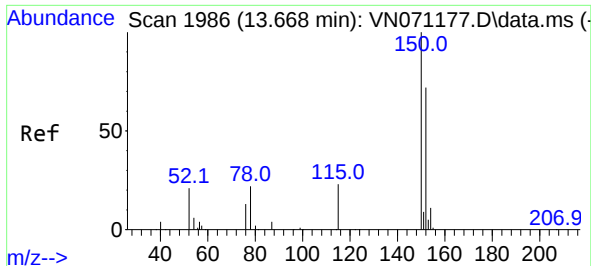
Tgt Ion:117 Resp: 1207324
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 0.322 ug/l
RT: 10.969 min Scan# 1527
Delta R.T. -0.005 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion:164 Resp: 2713
Ion Ratio Lower Upper
164 100
166 85.8 101.9 152.9#
129 73.5 72.0 108.0
131 65.1 70.9 106.3#

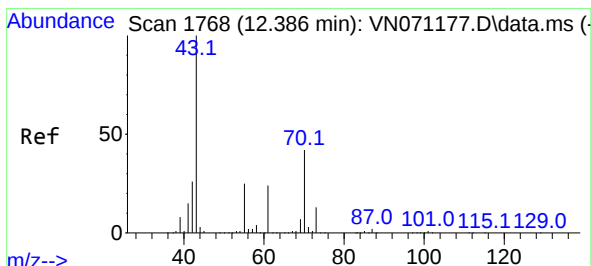
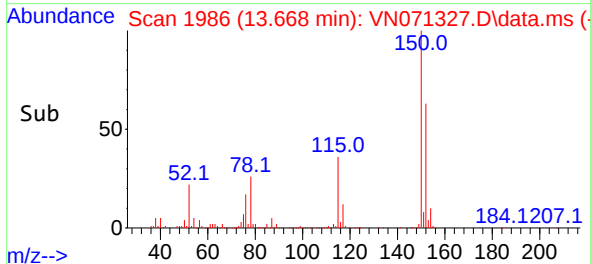
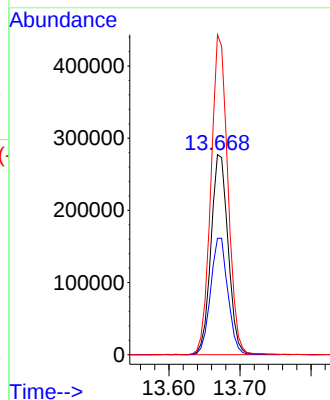
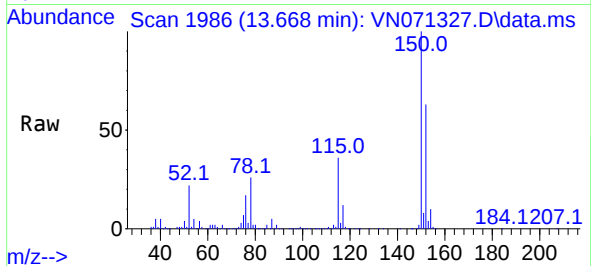




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

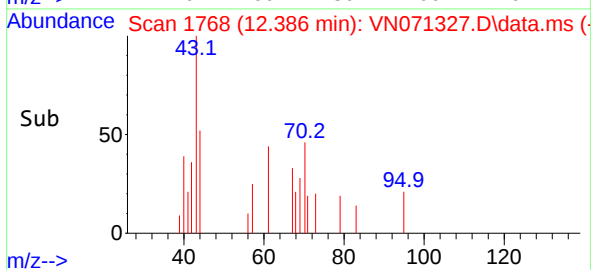
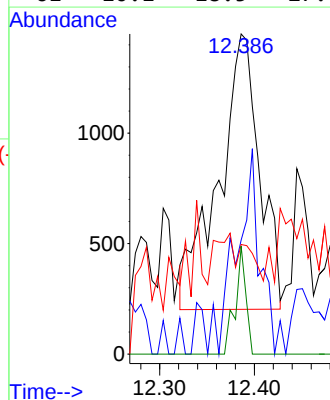
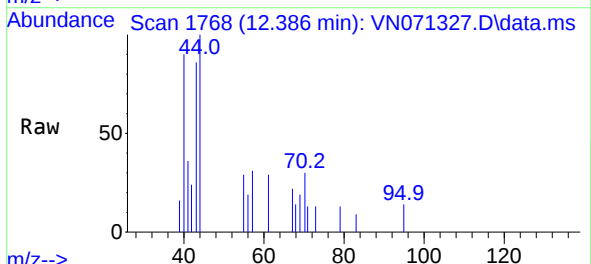
Instrument :
MSVOA_N
ClientSampleId :
MP-5

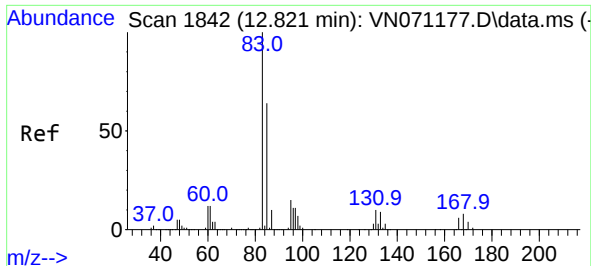
Tgt Ion:152 Resp: 466336
Ion Ratio Lower Upper
152 100
115 58.8 27.5 82.5
150 157.4 0.0 344.4



#74
N-ethyl acetate
Concen: 0.223 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 43 Resp: 3765
Ion Ratio Lower Upper
43 100
70 44.0 33.4 50.0
55 0.0 19.3 28.9#
61 10.1 18.5 27.7#

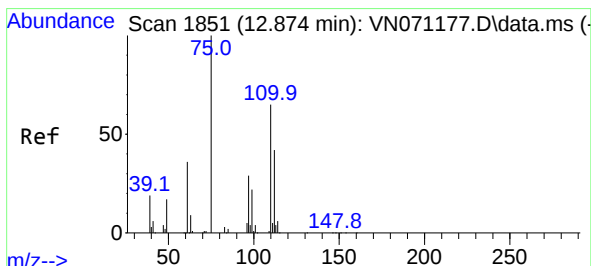
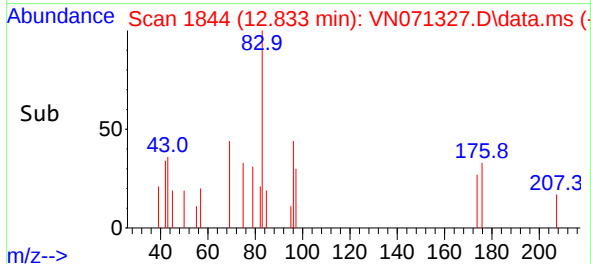
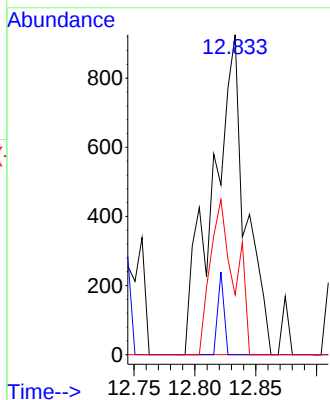
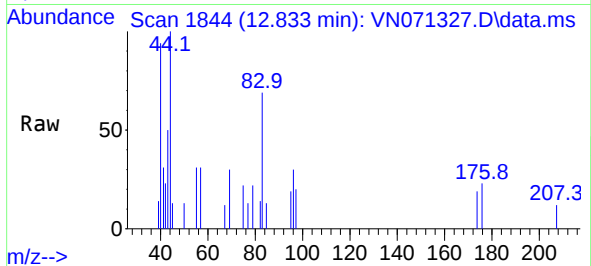




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.833 min Scan# 1844
Delta R.T. 0.012 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

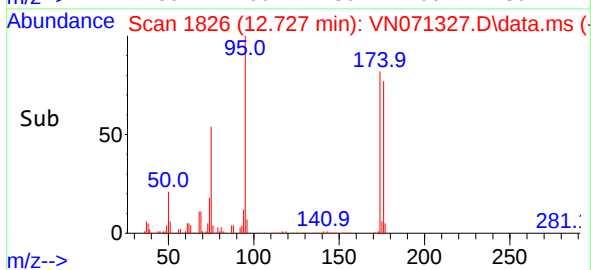
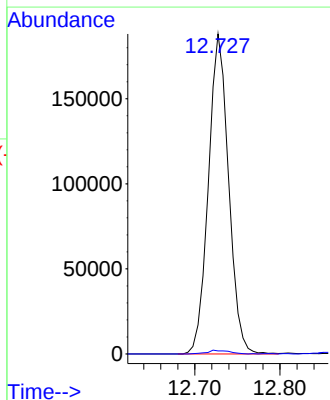
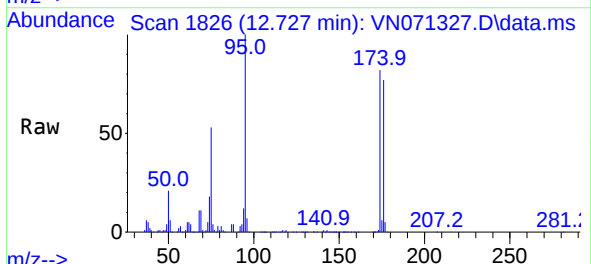
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MSVOA_N
ClientSampleId :
MP-5

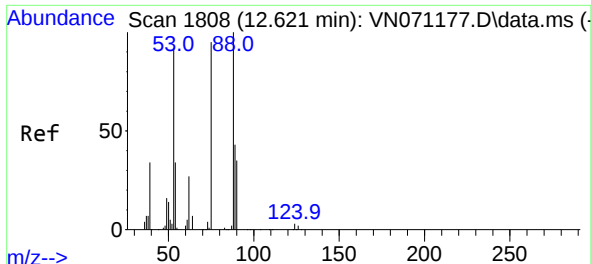
Tgt Ion: 83 Resp: 1743
Ion Ratio Lower Upper
83 100
131 4.8 5.5 16.5#
85 35.6 32.4 97.2



#76
1,2,3-Trichloropropane
Concen: 26.080 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion: 75 Resp: 310032
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

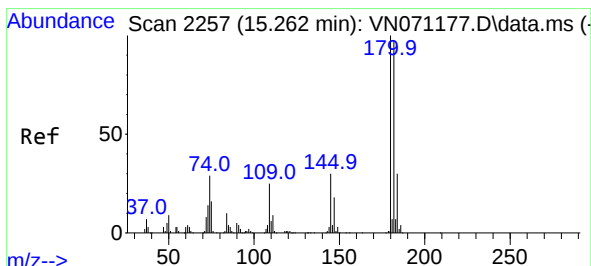
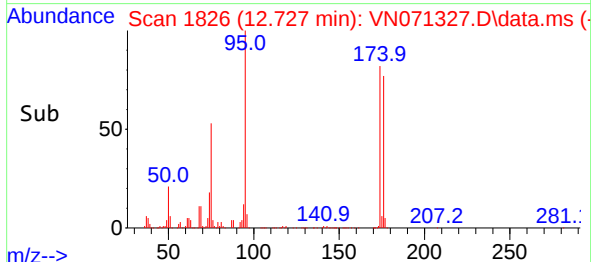
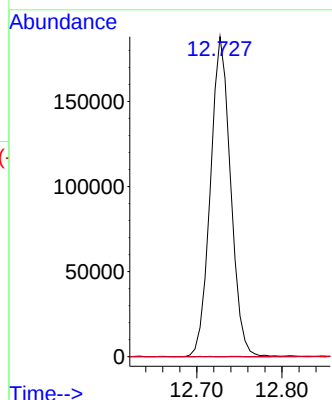
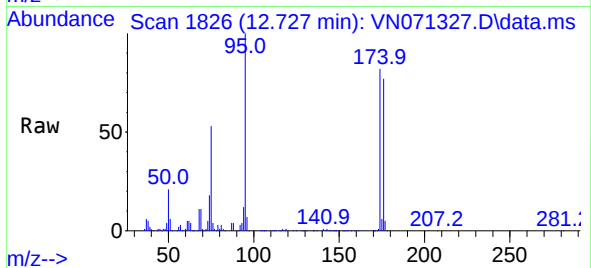




#81
trans-1,4-Dichloro-2-butene
Concen: 71.867 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

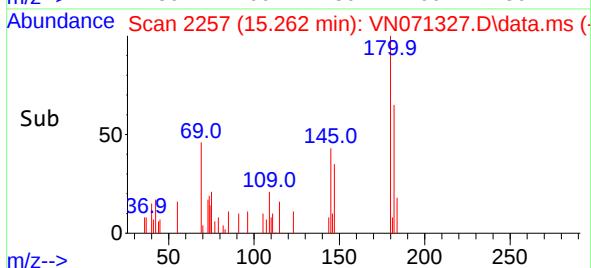
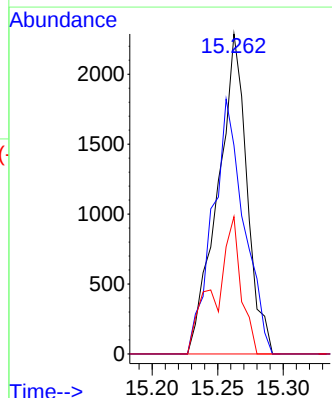
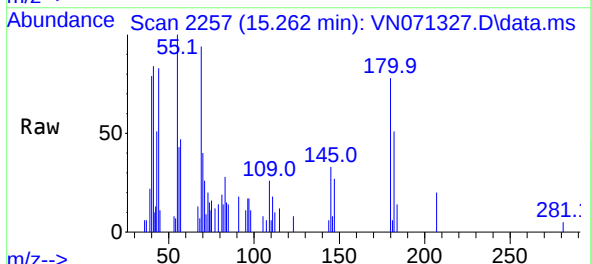
Instrument :
MSVOA_N
ClientSampleId :
MP-5

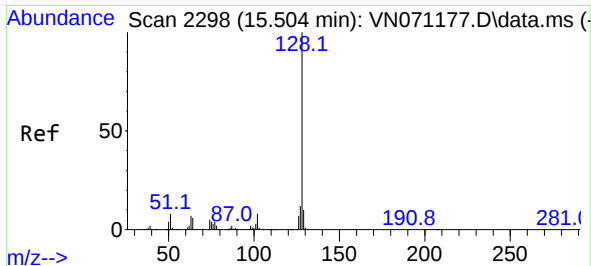
Tgt Ion: 75 Resp: 310032
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.426 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion:180 Resp: 3547
Ion Ratio Lower Upper
180 100
182 85.5 48.3 144.9
145 38.2 14.5 43.5

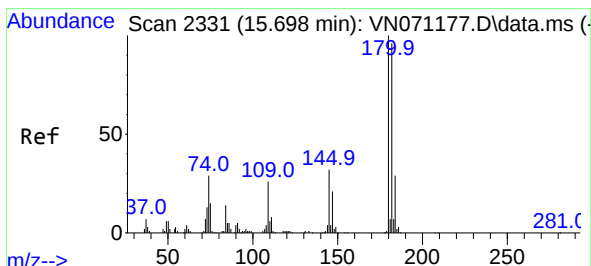
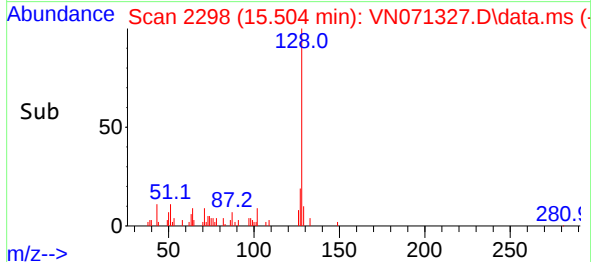
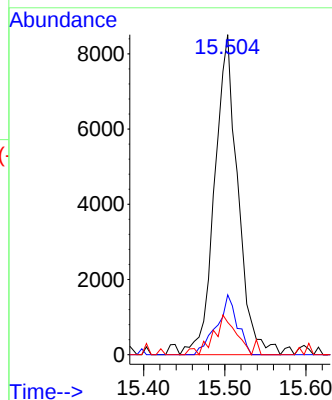
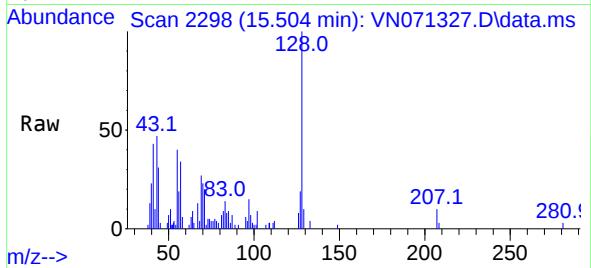




#95
Naphthalene
Concen: 5.779 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Instrument :
MSVOA_N
ClientSampleId :
MP-5

Tgt Ion:128 Resp: 16934
Ion Ratio Lower Upper
128 100
127 16.5 10.5 15.7#
129 12.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.271 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071327.D
Acq: 16 Mar 2022 18:00

Tgt Ion:180 Resp: 4172
Ion Ratio Lower Upper
180 100
182 92.7 47.4 142.2
145 38.6 15.0 45.1

