

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021822\
 Data File : VN071002.D
 Acq On : 18 Feb 2022 15:50
 Operator : JC\MD
 Sample : N1581-20 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 INTERCEPTOR-SUMP-20220215

Quant Time: Feb 19 04:08:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

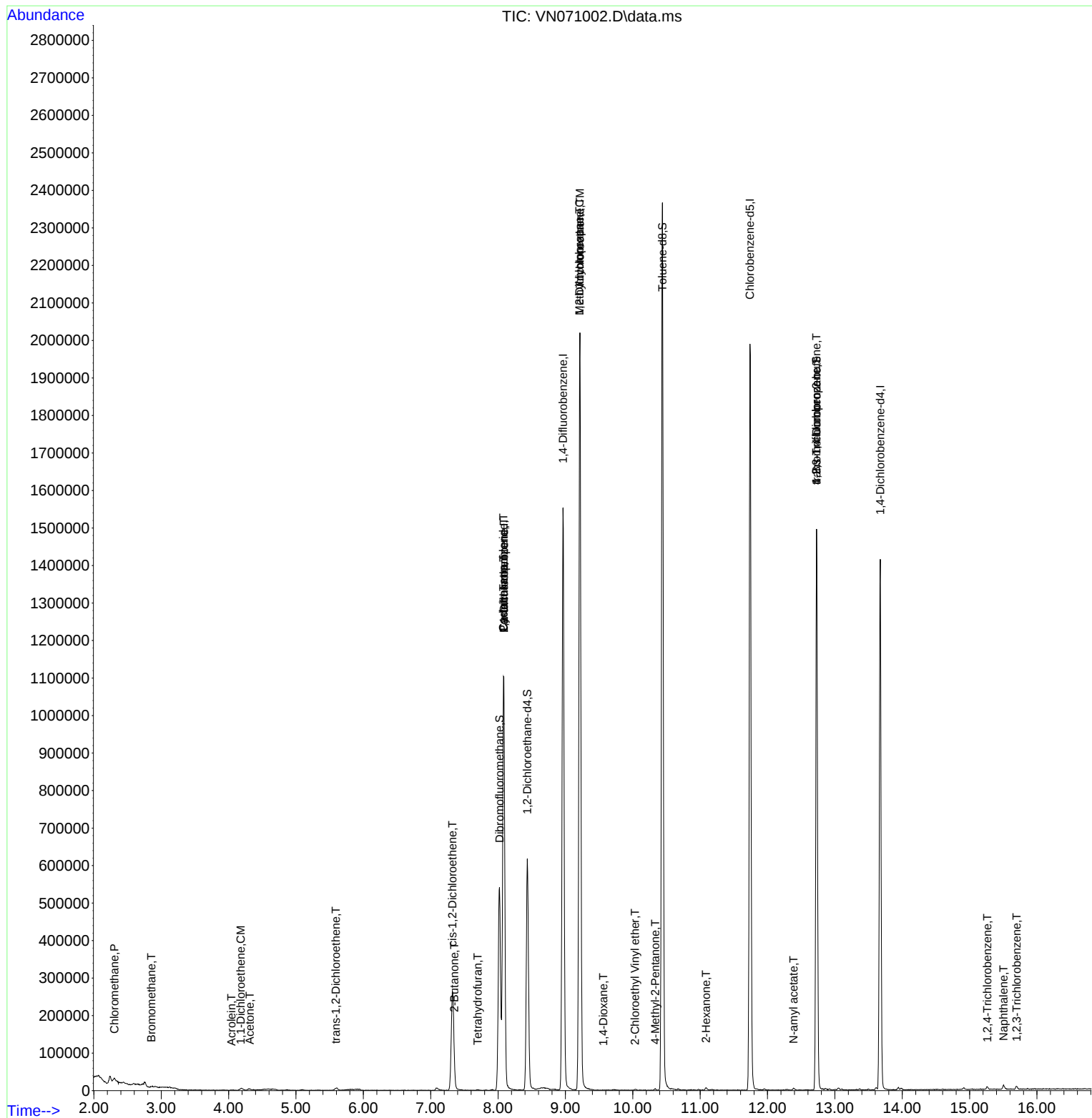
Internal Standards						
1) Pentafluorobenzene	8.086	168	882541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1377917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1196660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	398105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	508854	50.474	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.940%			
35) Dibromofluoromethane	8.022	113	402947	49.165	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.320%			
50) Toluene-d8	10.439	98	1647255	50.047	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.100%			
62) 4-Bromofluorobenzene	12.727	95	525293	44.649	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.300%			
Target Compounds					Qvalue	
3) Chloromethane	2.304	50	2391	0.208	ug/l	96
5) Bromomethane	2.851	94	2041	0.312	ug/l #	53
12) 1,1-Dichloroethene	4.181	96	2687	0.311	ug/l #	74
13) Acrolein	4.040	56	431	0.263	ug/l #	51
16) Acetone	4.316	43	3999	0.720	ug/l #	78
18) Methyl Acetate	4.863	43	2965	Below Cal	#	89
21) trans-1,2-Dichloroethene	5.592	96	4069	0.439	ug/l #	77
25) 2-Butanone	7.351	43	3099	0.420	ug/l #	75
27) cis-1,2-Dichloroethene	7.322	96	169728	15.924	ug/l	96
29) Tetrahydrofuran	7.698	42	1587	0.332	ug/l #	70
31) Cyclohexane	8.080	56	17550	1.007	ug/l #	7
36) 1,1-Dichloropropene	8.086	75	65637	4.888	ug/l #	48
38) Carbon Tetrachloride	8.080	117	83292	6.296	ug/l #	16
39) Methylcyclohexane	9.210	83	9356	0.541	ug/l #	1
44) Trichloroethene	9.216	130	777381	74.326	ug/l	98
45) 1,2-Dichloropropane	9.210	63	2187	0.215	ug/l #	1
49) 1,4-Dioxane	9.563	88	53	0.278	ug/l #	27
51) 4-Methyl-2-Pentanone	10.333	43	3086	0.223	ug/l #	82
58) 2-Chloroethyl Vinyl ether	10.033	63	1140	32.105	ug/l #	81
59) 2-Hexanone	11.086	43	6504	0.685	ug/l	84
74) N-amyl acetate	12.386	43	2972	0.290	ug/l #	95
76) 1,2,3-Trichloropropane	12.727	75	266963	28.481	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	266963	92.291	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	3036	2.397	ug/l	89
95) Naphthalene	15.504	128	11501	5.571	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.698	180	3194	2.965	ug/l	88

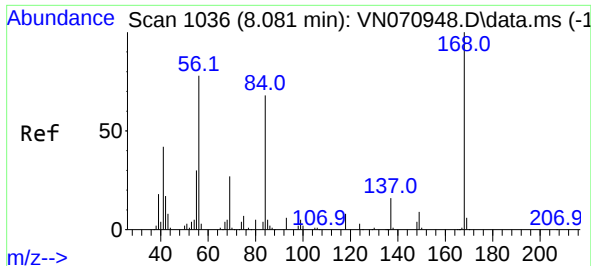
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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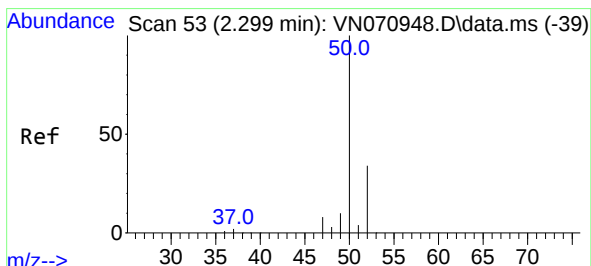
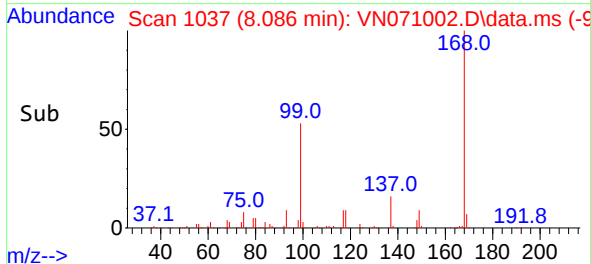
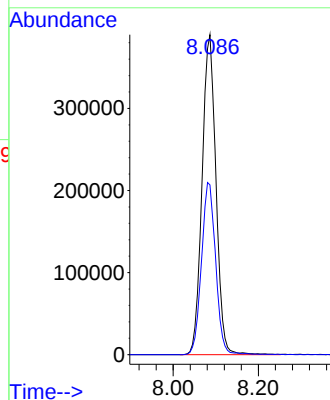
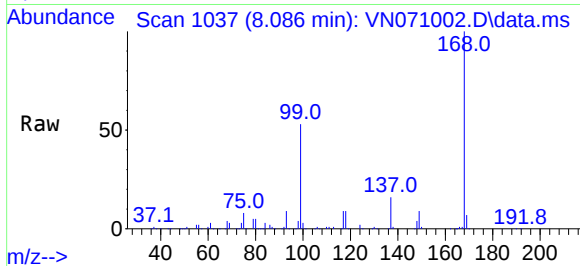




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

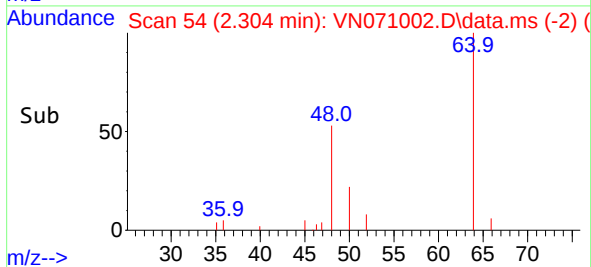
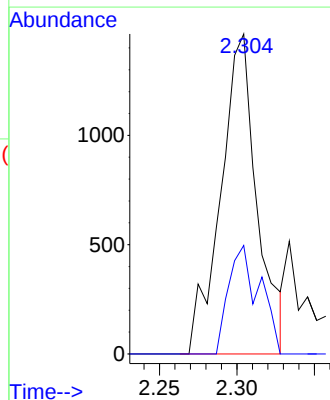
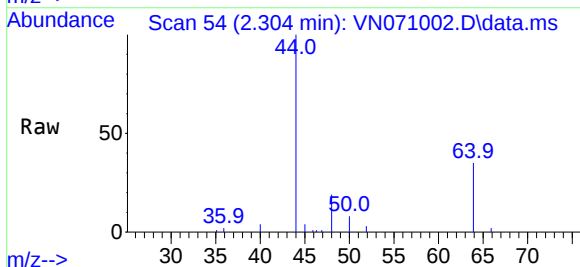
Instrument :
MSVOA_N
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INTERCEPTOR-SUMP-20220215

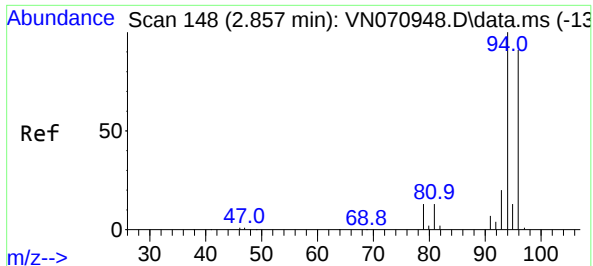
Tgt Ion:168 Resp: 882541
Ion Ratio Lower Upper
168 100
99 53.0 41.3 61.9



#3
Chloromethane
Concen: 0.208 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 50 Resp: 2391
Ion Ratio Lower Upper
50 100
52 33.9 25.4 38.0

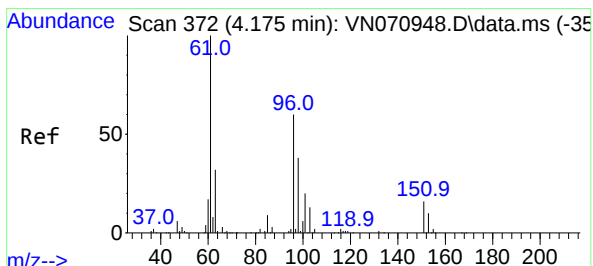
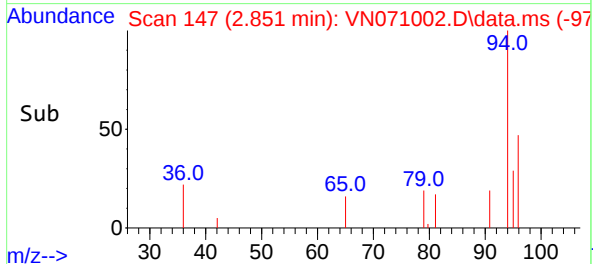
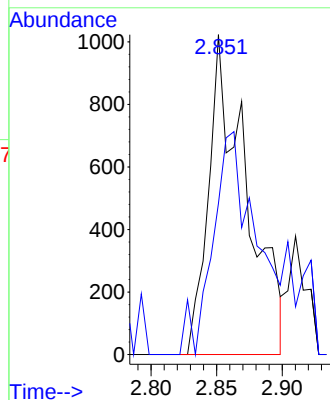
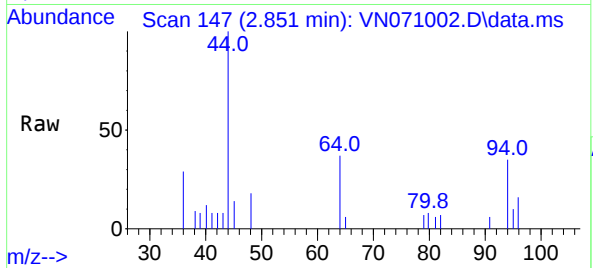




#5
Bromomethane
Concen: 0.312 ug/l
RT: 2.851 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

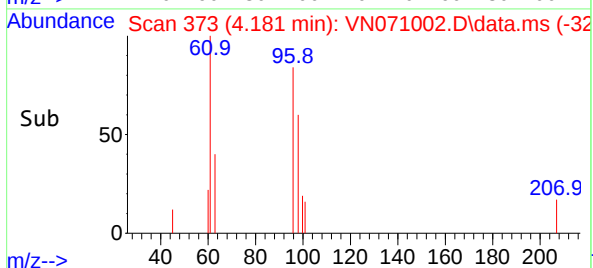
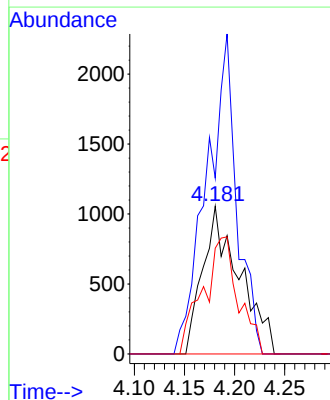
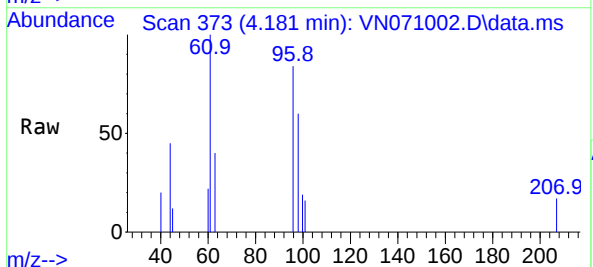
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

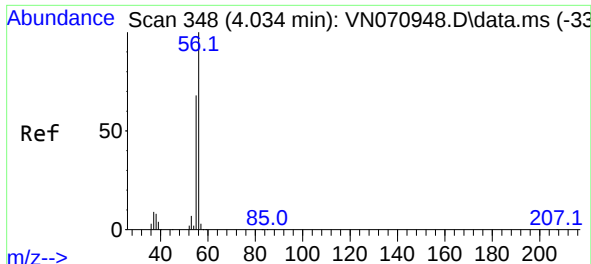
Tgt Ion: 94 Resp: 2041
Ion Ratio Lower Upper
94 100
96 47.2 73.8 110.8#



#12
1,1-Dichloroethene
Concen: 0.311 ug/l
RT: 4.181 min Scan# 373
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 96 Resp: 2687
Ion Ratio Lower Upper
96 100
61 119.1 131.0 196.6#
98 71.7 52.4 78.6

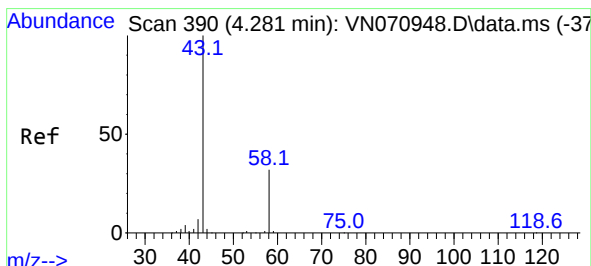
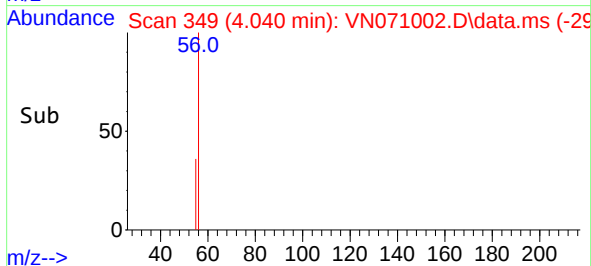
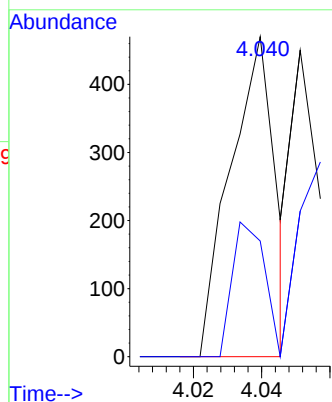
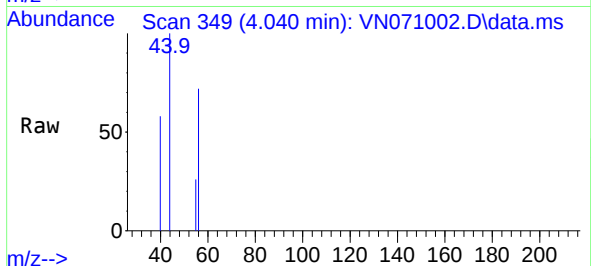




#13
Acrolein
Concen: 0.263 ug/l
RT: 4.040 min Scan# 348
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

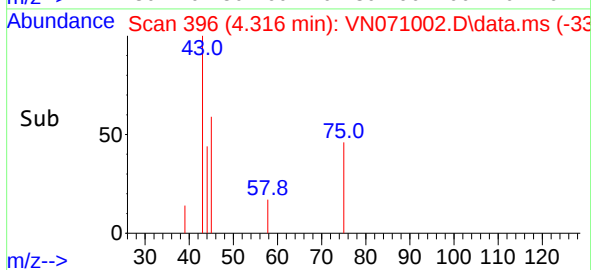
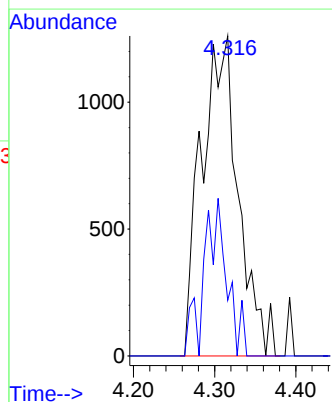
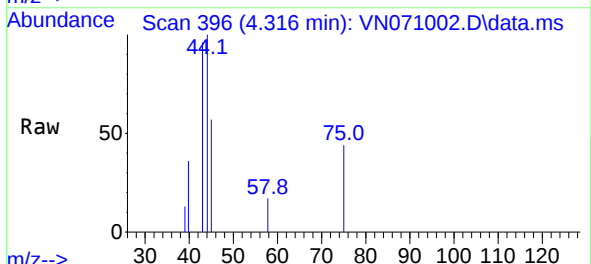
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

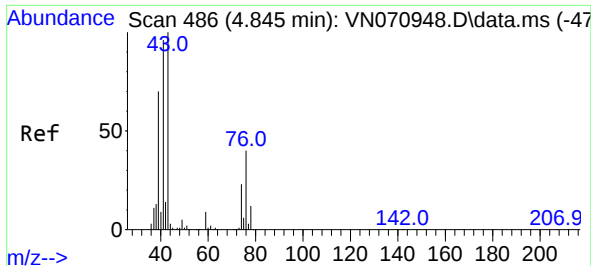
Tgt Ion: 56 Resp: 431
Ion Ratio Lower Upper
56 100
55 30.2 56.6 85.0#



#16
Acetone
Concen: 0.720 ug/l
RT: 4.316 min Scan# 396
Delta R.T. 0.035 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 43 Resp: 3999
Ion Ratio Lower Upper
43 100
58 17.4 23.1 34.7#

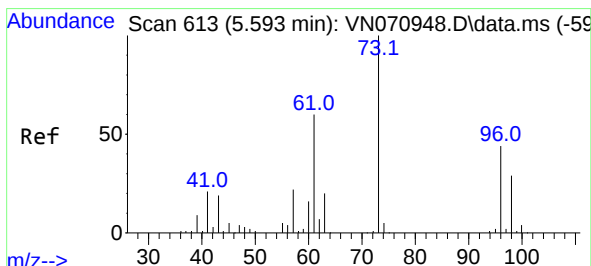
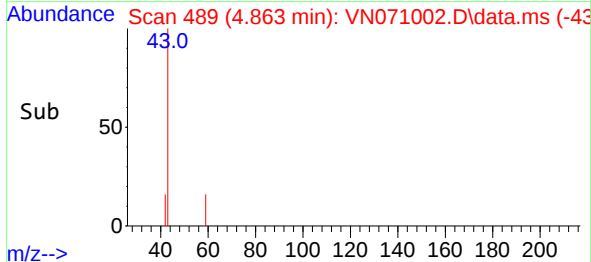
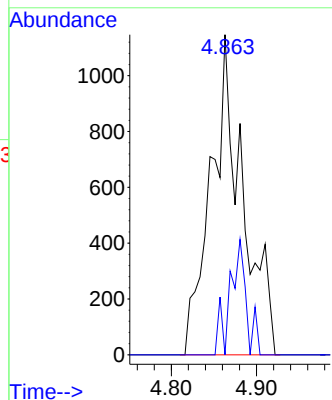
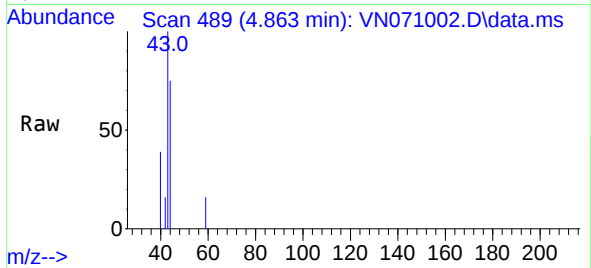




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

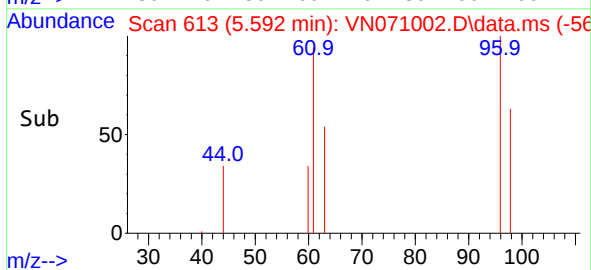
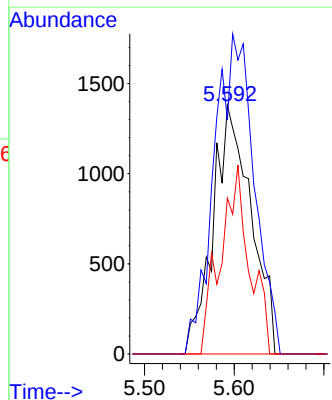
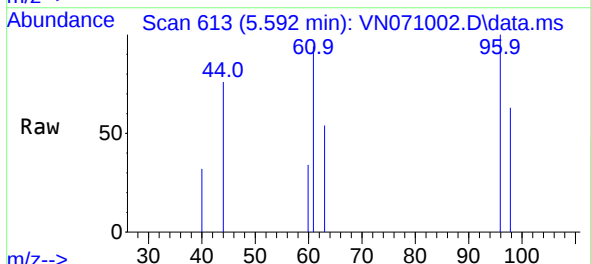
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

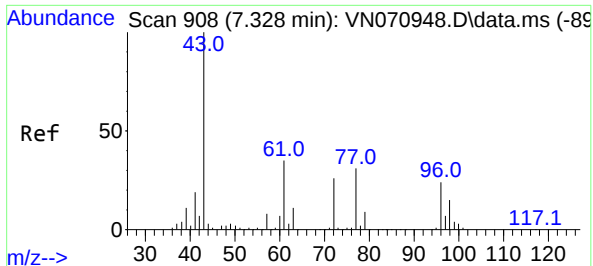
Tgt Ion: 43 Resp: 2965
Ion Ratio Lower Upper
43 100
74 18.7 19.4 29.2#



#21
trans-1,2-Dichloroethene
Concen: 0.439 ug/l
RT: 5.592 min Scan# 613
Delta R.T. -0.000 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 96 Resp: 4069
Ion Ratio Lower Upper
96 100
61 94.1 105.8 158.6#
98 62.7 52.0 78.0

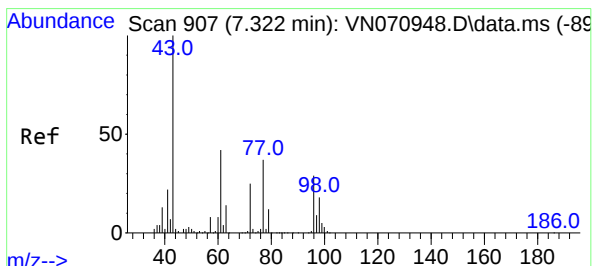
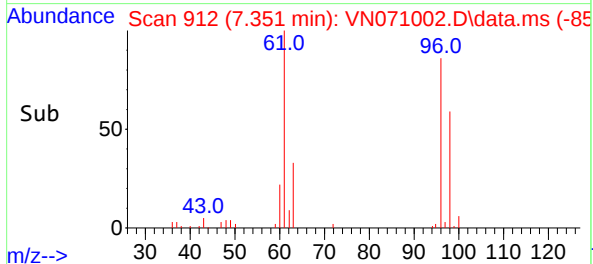
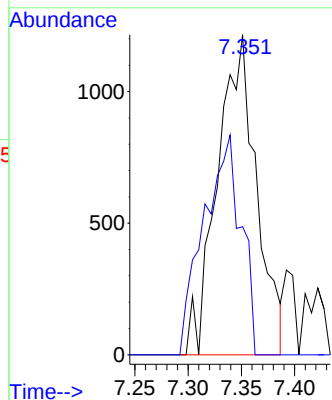
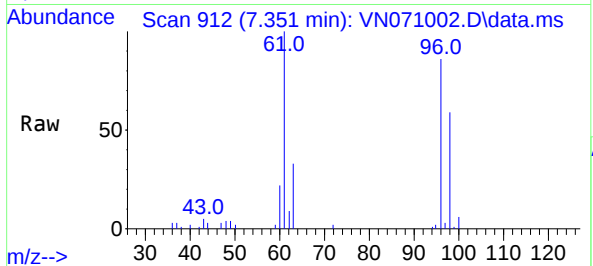




#25
2-Butanone
Concen: 0.420 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.023 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

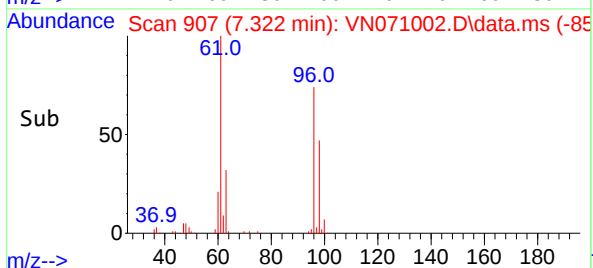
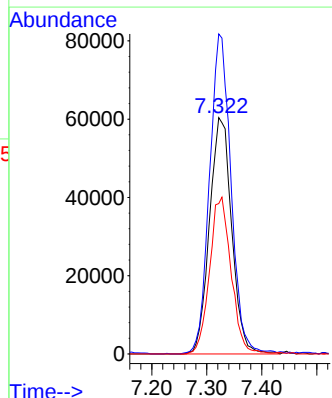
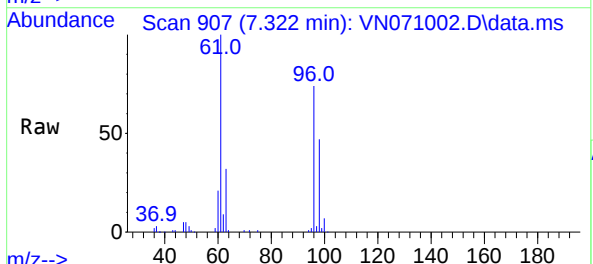
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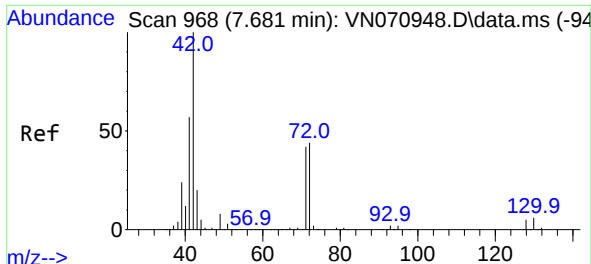
Tgt Ion: 43 Resp: 3099
Ion Ratio Lower Upper
43 100
72 40.0 21.7 32.5#



#27
cis-1,2-Dichloroethene
Concen: 15.924 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 96 Resp: 169728
Ion Ratio Lower Upper
96 100
61 130.8 0.0 275.0
98 64.2 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.332 ug/l

RT: 7.698 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN071002.D

Acq: 18 Feb 2022 15:50

Instrument :

MSVOA_N

ClientSampleId :

INTERCEPTOR-SUMP-20220215

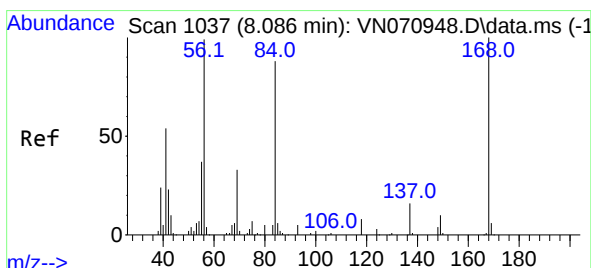
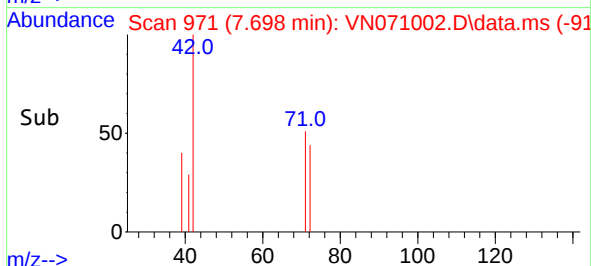
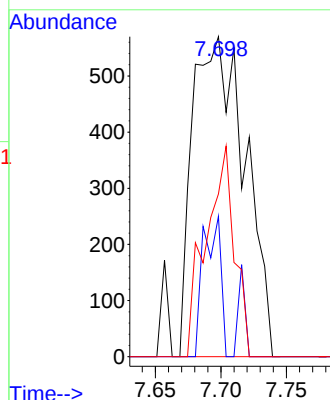
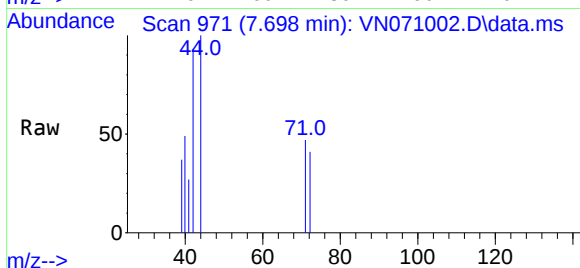
Tgt Ion: 42 Resp: 1587

Ion Ratio Lower Upper

42 100

72 14.6 36.3 54.5#

71 35.7 34.7 52.1



#31

Cyclohexane

Concen: 1.007 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071002.D

Acq: 18 Feb 2022 15:50

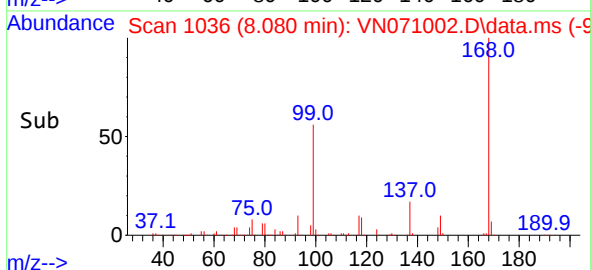
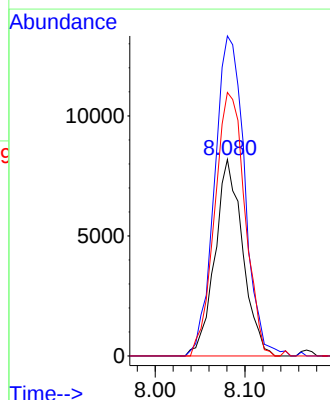
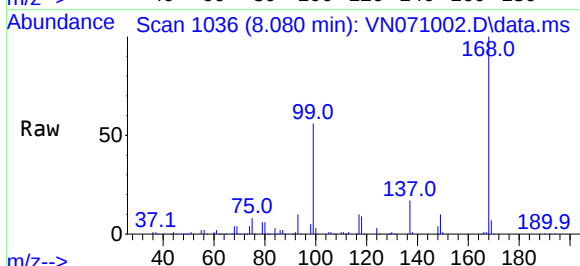
Tgt Ion: 56 Resp: 17550

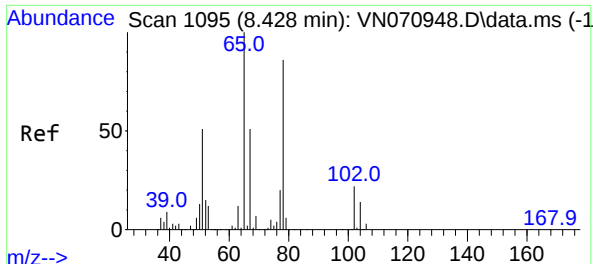
Ion Ratio Lower Upper

56 100

69 162.9 27.1 40.7#

84 134.1 73.4 110.0#

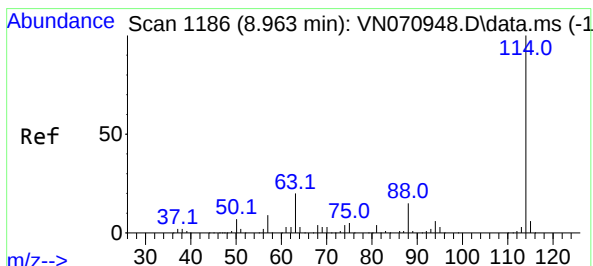
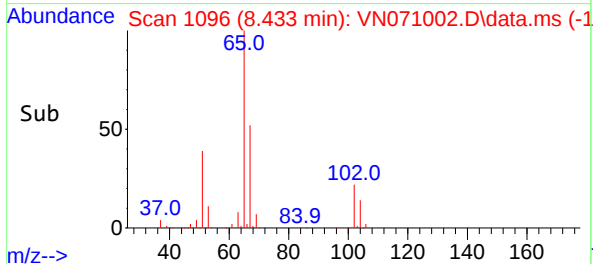
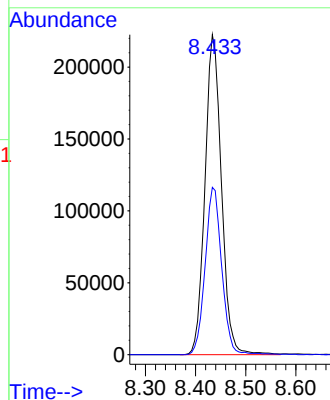
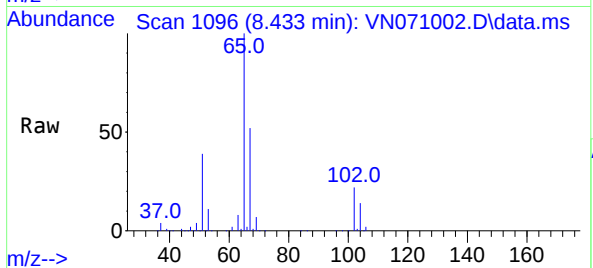




#33
1,2-Dichloroethane-d4
Concen: 50.474 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

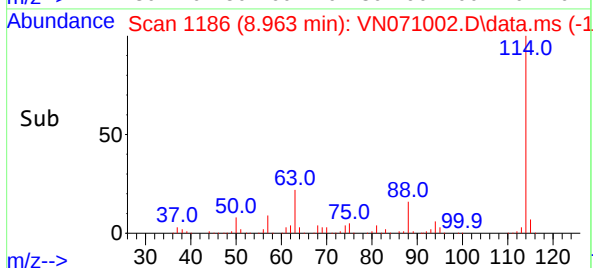
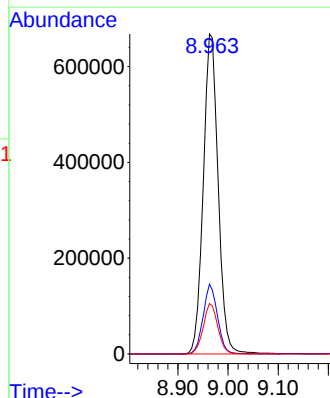
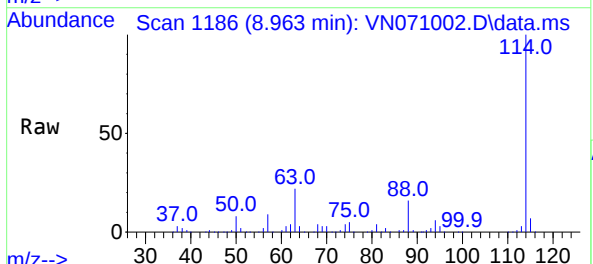
Instrument :
MSVOA_N
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INTERCEPTOR-SUMP-20220215

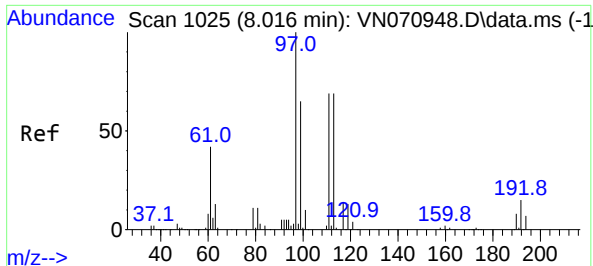
Tgt Ion: 65 Resp: 508854
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 114 Resp: 1377917
Ion Ratio Lower Upper
114 100
63 21.8 0.0 37.8
88 15.7 0.0 27.4

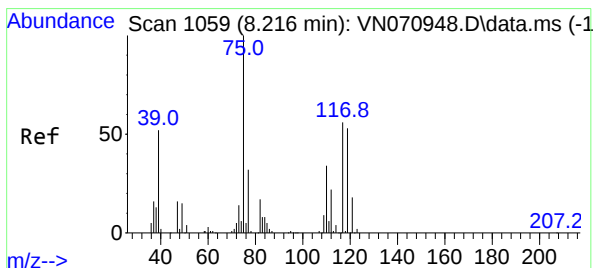
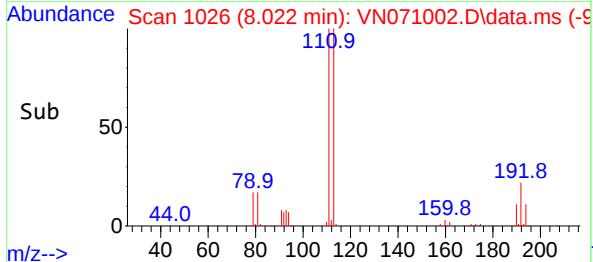
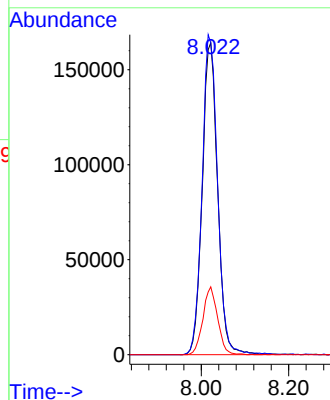
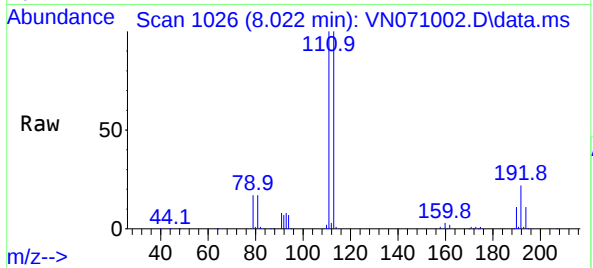




#35
Dibromofluoromethane
Concen: 49.165 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

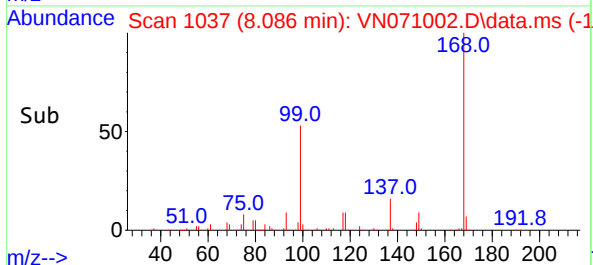
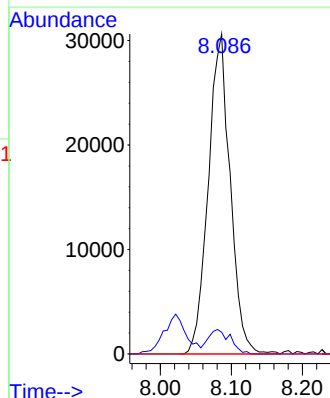
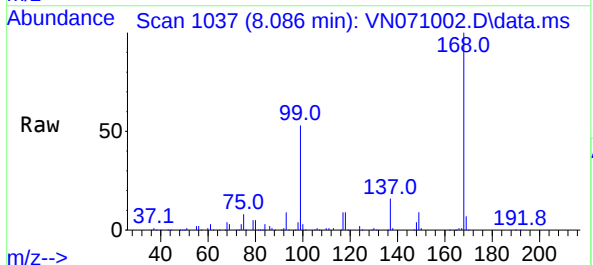
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

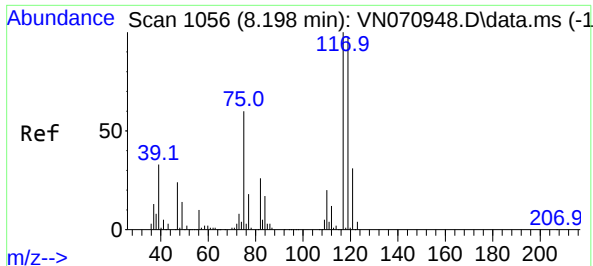
Tgt Ion:113 Resp: 402947
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.888 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.130 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 75 Resp: 65637
Ion Ratio Lower Upper
75 100
110 7.8 18.4 55.2#
77 0.0 24.4 36.6#

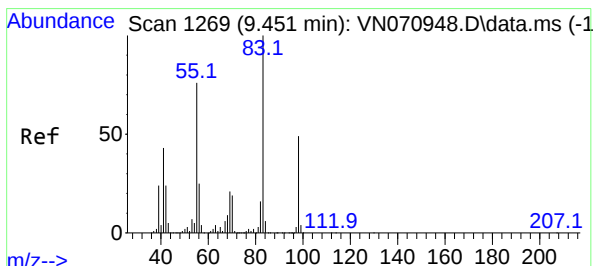
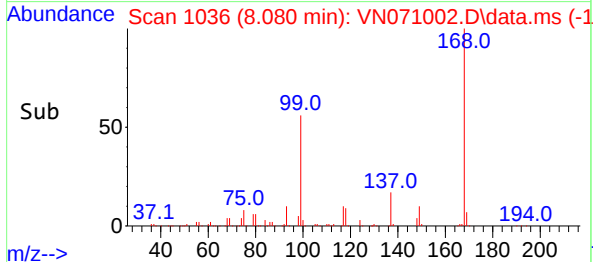
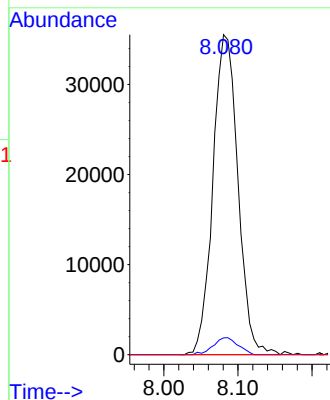
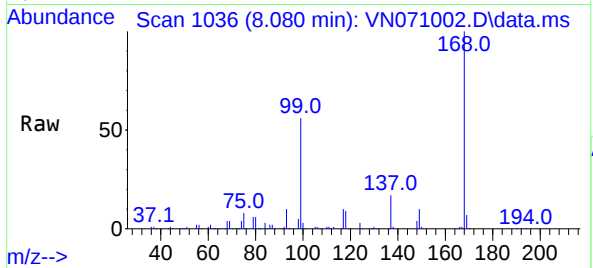




#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 8.080 min Scan# 117
Delta R.T. -0.118 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

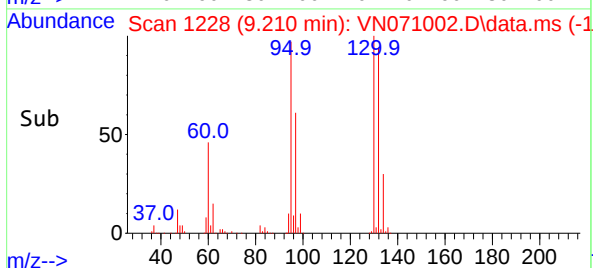
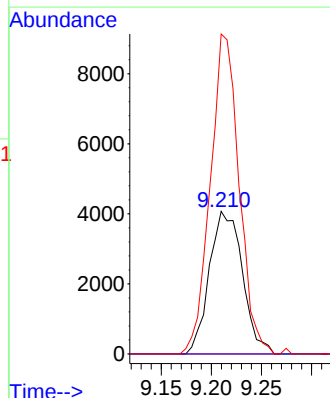
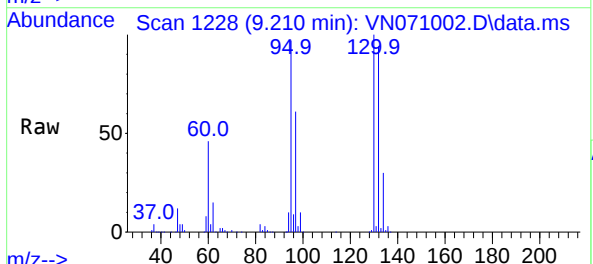
Instrument : MSVOA_N
ClientSampleId : INTERCEPTOR-SUMP-20220215

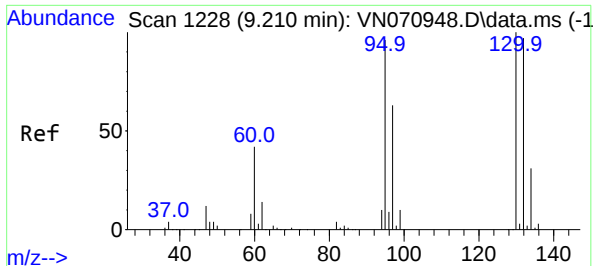
Tgt Ion:117 Resp: 83292
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.541 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.241 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 83 Resp: 9356
Ion Ratio Lower Upper
83 100
55 0.0 58.1 87.1#
98 224.5 38.4 57.6#

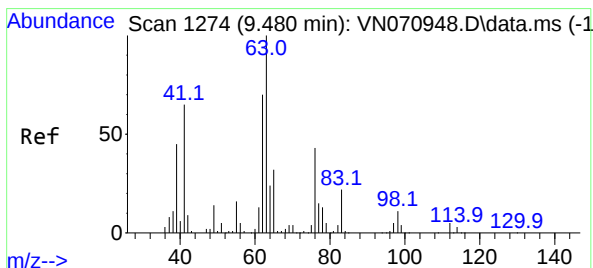
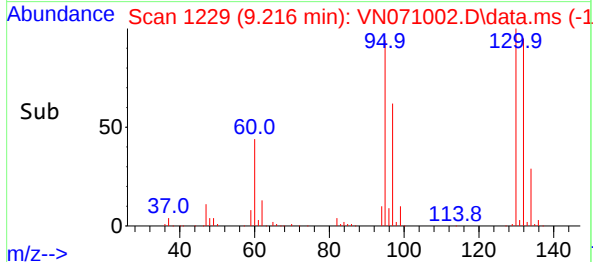
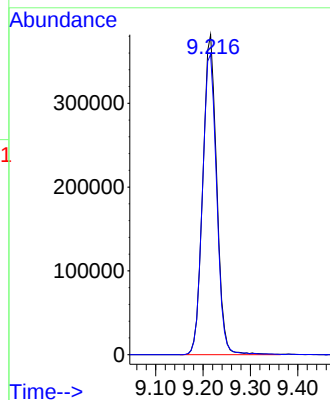
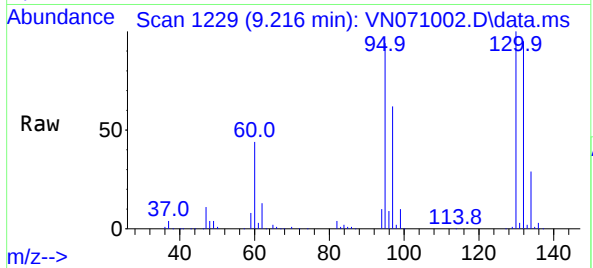




#44
Trichloroethene
Concen: 74.326 ug/l
RT: 9.216 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

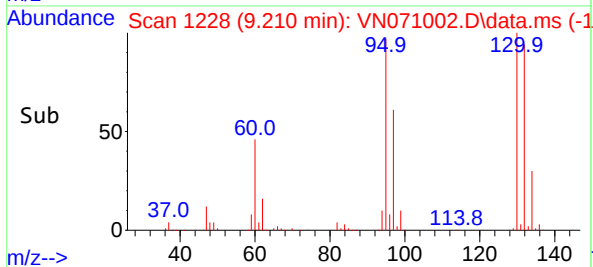
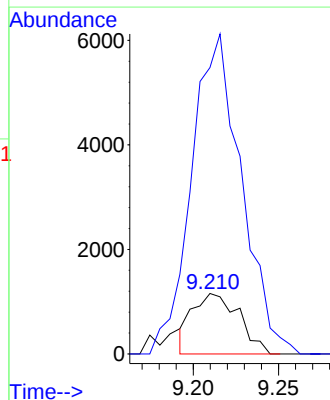
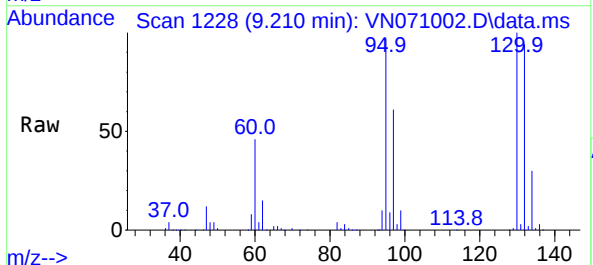
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

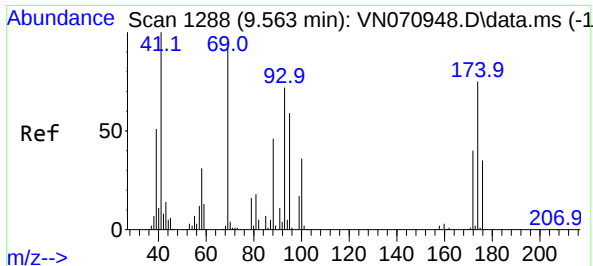
Tgt Ion:130 Resp: 777381
Ion Ratio Lower Upper
130 100
95 93.8 0.0 191.2



#45
1,2-Dichloropropane
Concen: 0.215 ug/l
RT: 9.210 min Scan# 1228
Delta R.T. -0.271 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 63 Resp: 2187
Ion Ratio Lower Upper
63 100
65 446.2 24.7 37.1#

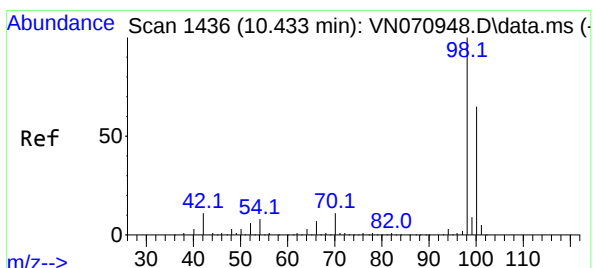
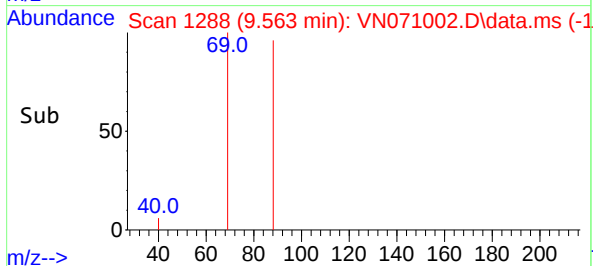
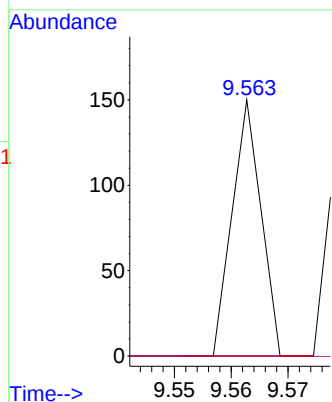
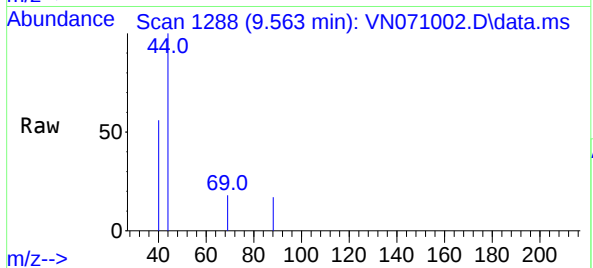




#49
1,4-Dioxane
Concen: 0.278 ug/l
RT: 9.563 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

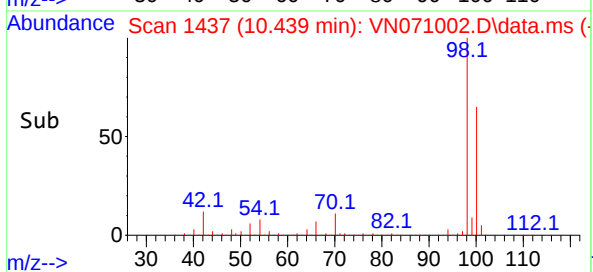
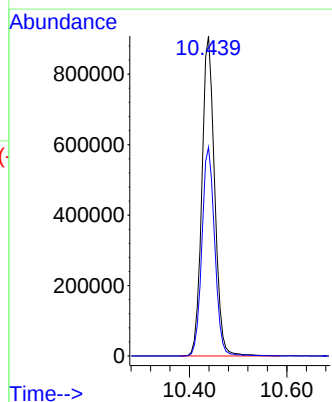
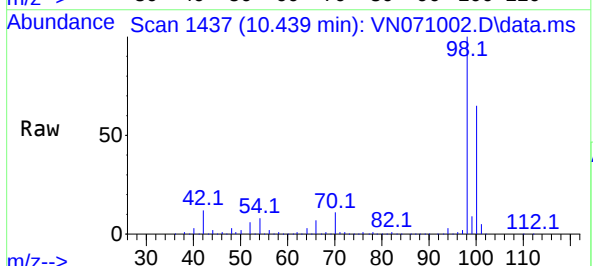
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

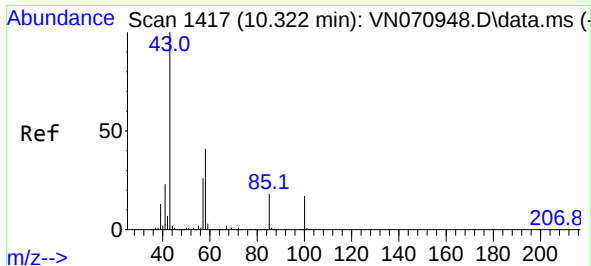
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 50.047 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 98 Resp: 1647255
Ion Ratio Lower Upper
98 100
100 65.7 50.4 75.6

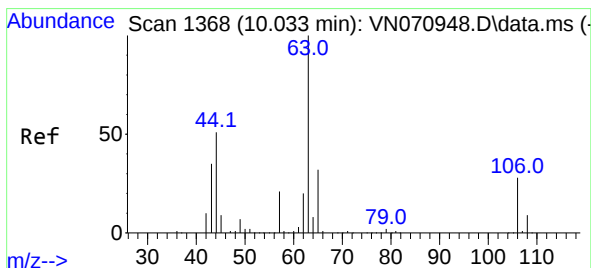
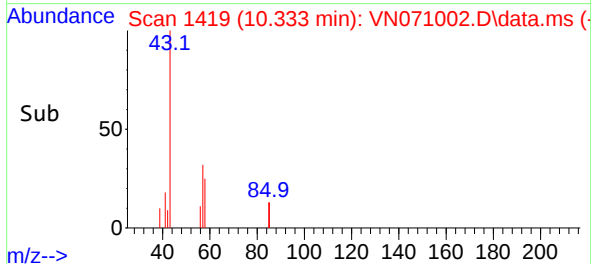
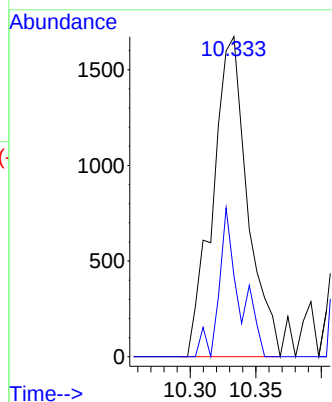
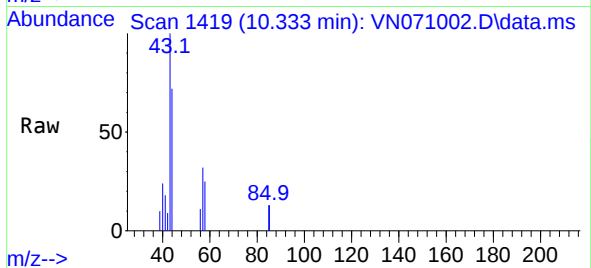




#51
4-Methyl-2-Pentanone
Concen: 0.223 ug/l
RT: 10.333 min Scan# 1417
Delta R.T. 0.012 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

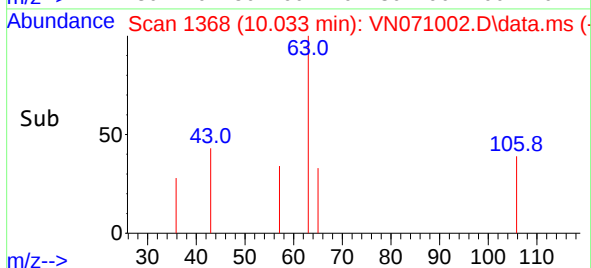
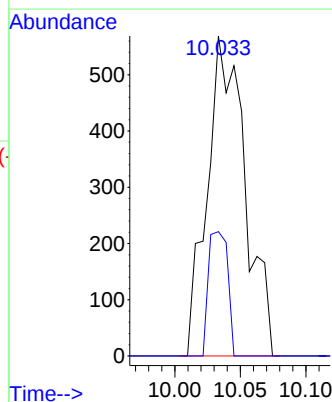
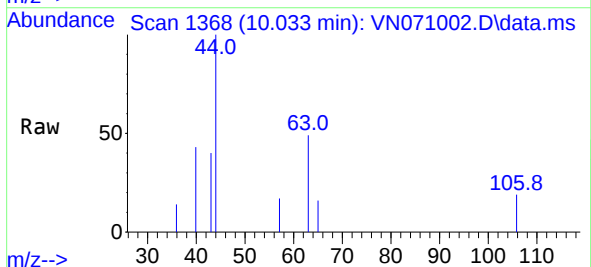
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

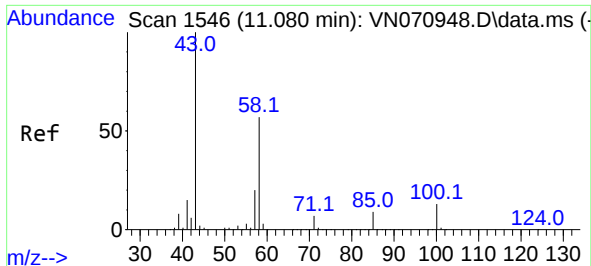
Tgt Ion: 43 Resp: 3086
Ion Ratio Lower Upper
43 100
58 27.3 30.4 45.6#



#58
2-Chloroethyl Vinyl ether
Concen: 32.105 ug/l
RT: 10.033 min Scan# 1368
Delta R.T. 0.000 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 63 Resp: 1140
Ion Ratio Lower Upper
63 100
106 19.8 23.9 35.9#





#59

2-Hexanone

Concen: 0.685 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN071002.D

Acq: 18 Feb 2022 15:50

Instrument :

MSVOA_N

ClientSampleId :

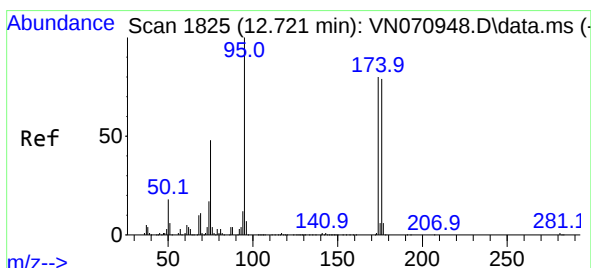
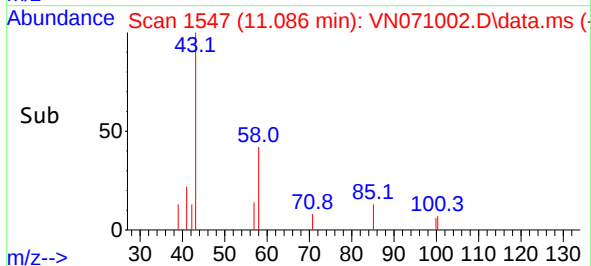
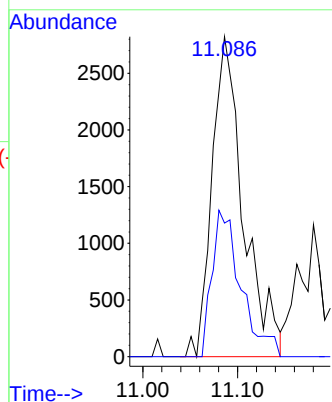
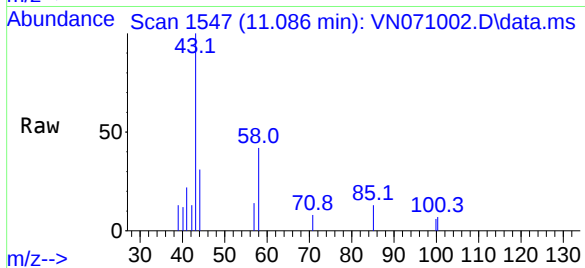
INTERCEPTOR-SUMP-20220215

Tgt Ion: 43 Resp: 6504

Ion Ratio Lower Upper

43 100

58 42.0 26.9 80.7



#62

4-Bromofluorobenzene

Concen: 44.649 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.006 min

Lab File: VN071002.D

Acq: 18 Feb 2022 15:50

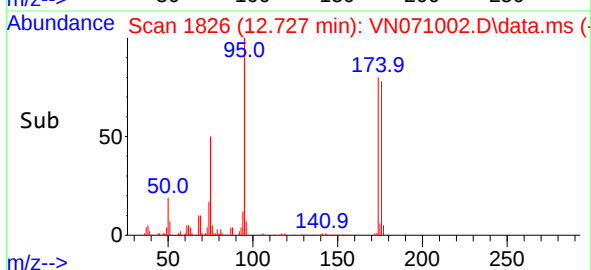
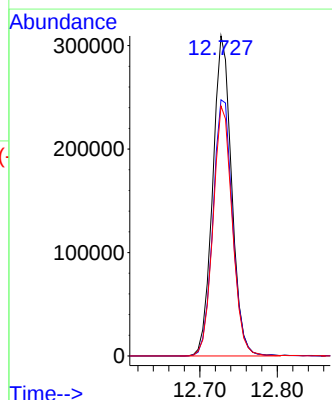
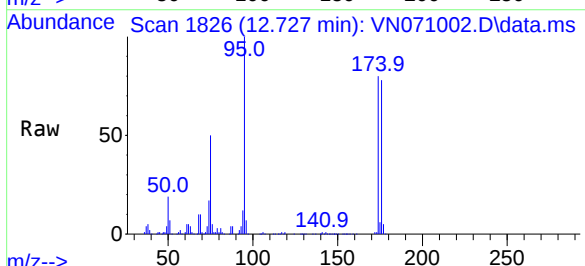
Tgt Ion: 95 Resp: 525293

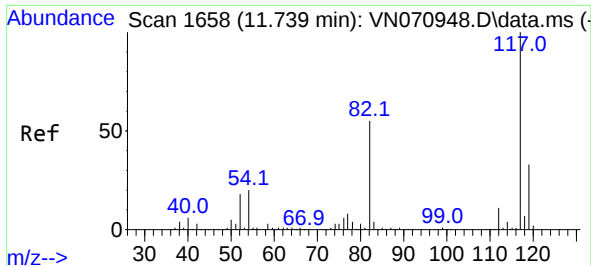
Ion Ratio Lower Upper

95 100

174 83.0 0.0 187.2

176 79.3 0.0 181.4

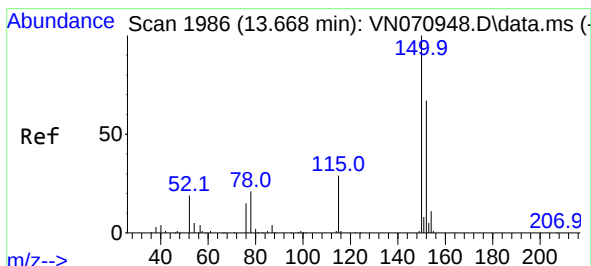
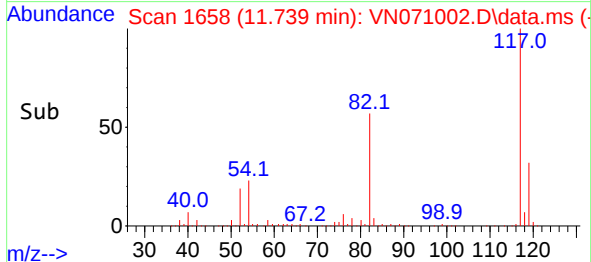
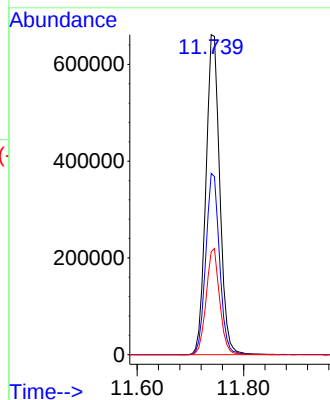
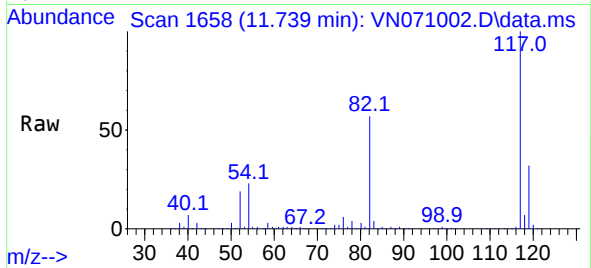




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

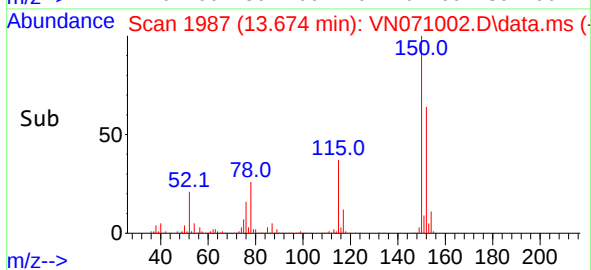
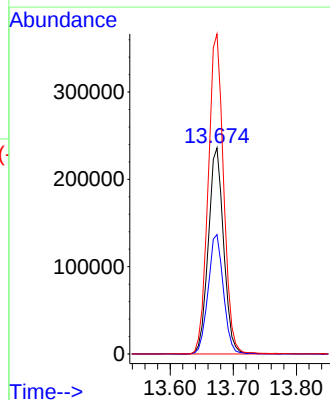
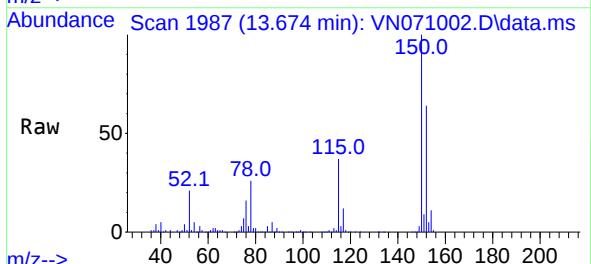
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

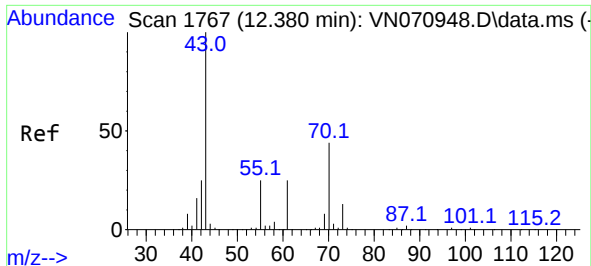
Tgt Ion:117 Resp: 1196660
Ion Ratio Lower Upper
117 100
82 56.7 42.4 63.6
119 32.2 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion:152 Resp: 398105
Ion Ratio Lower Upper
152 100
115 58.0 27.5 82.5
150 156.4 0.0 344.4

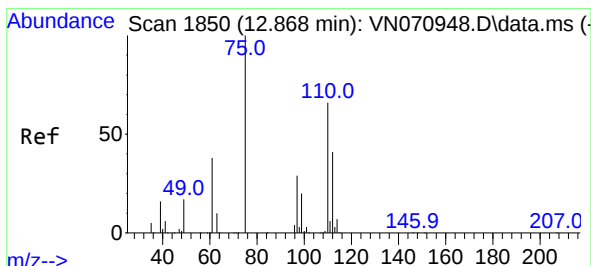
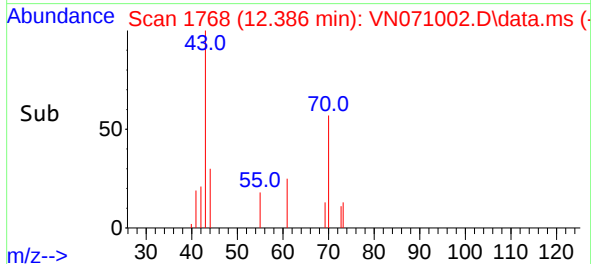
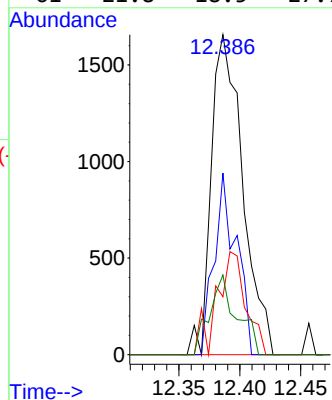
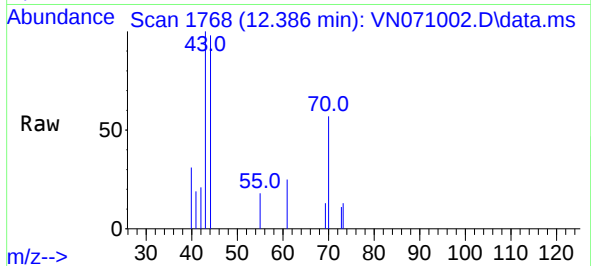




#74
N-amy1 acetate
Concen: 0.290 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

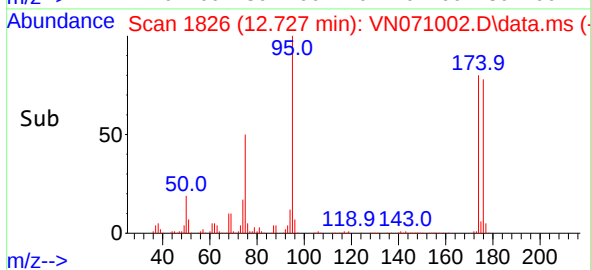
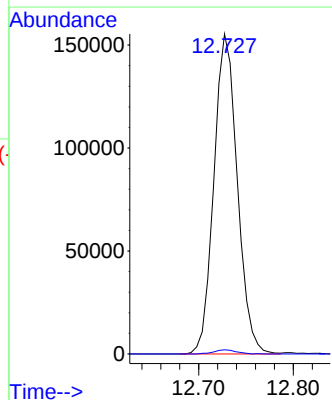
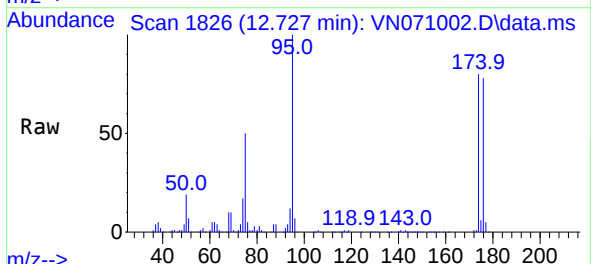
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

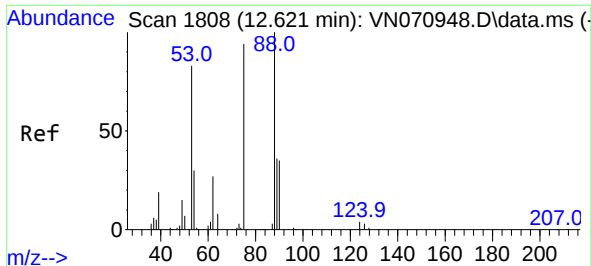
Tgt Ion: 43	Resp: 2972
Ion Ratio	Lower Upper
43 100	
70 40.2	33.4 50.0
55 29.8	19.3 28.9#
61 21.8	18.5 27.7



#76
1,2,3-Trichloropropane
Concen: 28.481 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion: 75	Resp: 266963
Ion Ratio	Lower Upper
75 100	
77 1.3	82.6 247.8#

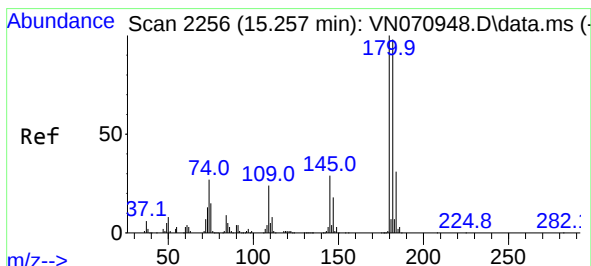
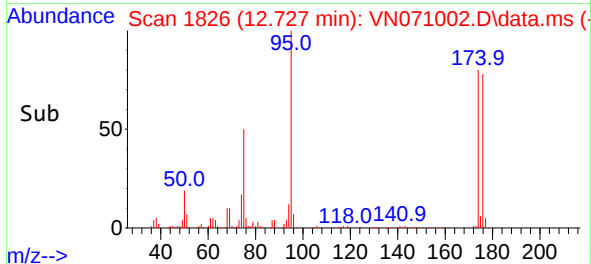
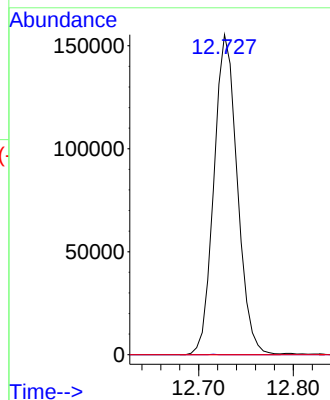
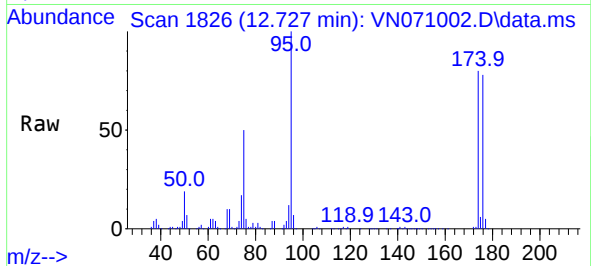




#81
trans-1,4-Dichloro-2-butene
Concen: 92.291 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

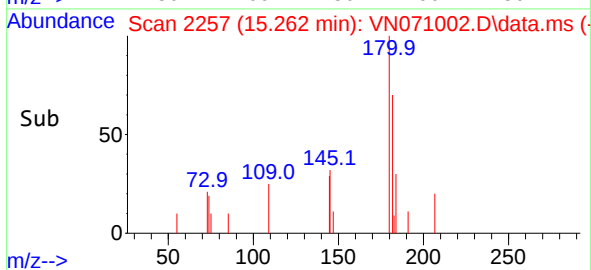
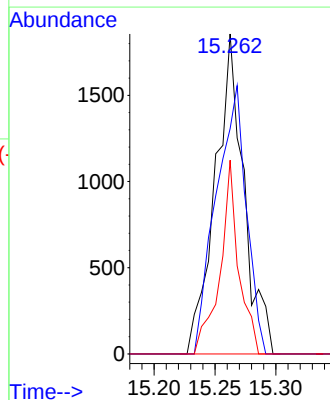
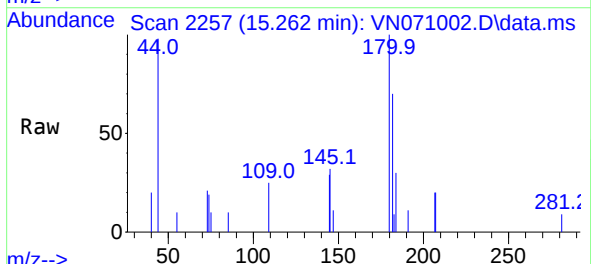
Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

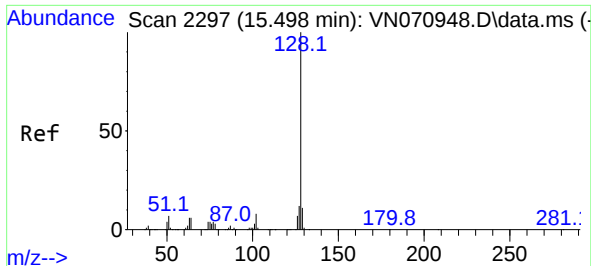
Tgt Ion: 75 Resp: 266963
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.397 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion:180 Resp: 3036
Ion Ratio Lower Upper
180 100
182 88.3 48.3 144.9
145 39.2 14.5 43.5

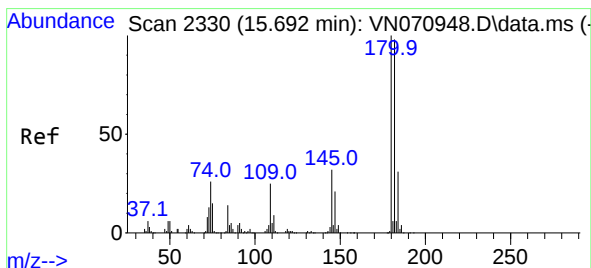
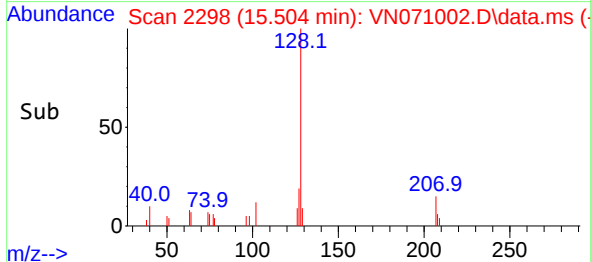
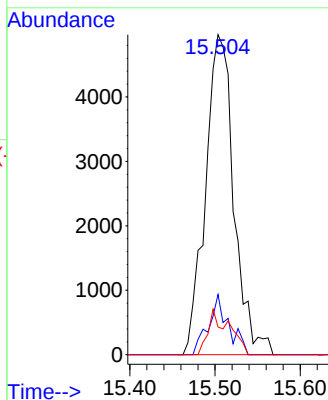
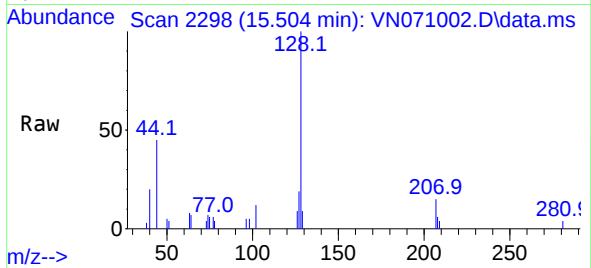




#95
Naphthalene
Concen: 5.571 ug/l
RT: 15.504 min Scan# 211
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Instrument :
MSVOA_N
ClientSampleId :
INTERCEPTOR-SUMP-20220215

Tgt Ion:	128	Resp:	11501
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	6.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.965 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN071002.D
Acq: 18 Feb 2022 15:50

Tgt Ion:	180	Resp:	3194
Ion	Ratio	Lower	Upper
180	100		
182	102.8	47.4	142.2
145	43.7	15.0	45.1

