

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
 Data File : VN071079.D
 Acq On : 25 Feb 2022 18:58
 Operator : JC\MD
 Sample : N1664-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Quant Time: Feb 26 03:44:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

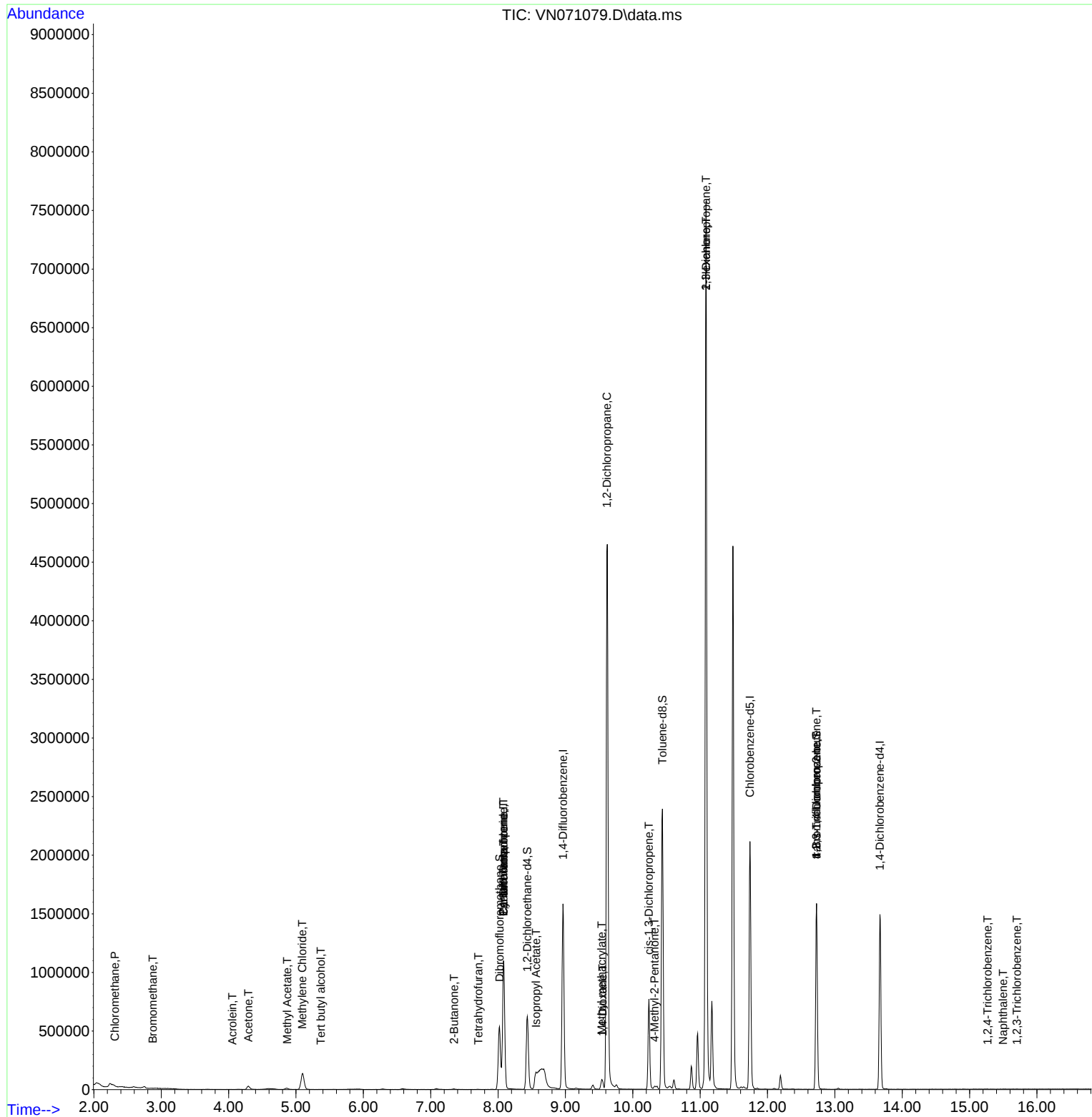
Internal Standards						
1) Pentafluorobenzene	8.081	168	846924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1379909	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1234377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	424615	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	516472	53.385	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.760%			
35) Dibromofluoromethane	8.022	113	396771	48.341	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.680%			
50) Toluene-d8	10.439	98	1681796	51.023	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.727	95	567309	48.151	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.300%			
Target Compounds					Qvalue	
3) Chloromethane	2.310	50	2998	0.271	ug/l	94
5) Bromomethane	2.875	94	1265	0.201	ug/l #	68
11) Tert butyl alcohol	5.369	59	524	0.297	ug/l #	71
13) Acrolein	4.057	56	369	0.234	ug/l #	32
16) Acetone	4.293	43	51359	9.639	ug/l #	84
18) Methyl Acetate	4.869	43	24020	1.474	ug/l	99
20) Methylene Chloride	5.092	84	108053	11.159	ug/l	91
25) 2-Butanone	7.345	43	9484	1.338	ug/l	96
29) Tetrahydrofuran	7.710	42	1369	0.298	ug/l #	76
31) Cyclohexane	8.081	56	17369	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	65541	4.874	ug/l #	49
38) Carbon Tetrachloride	8.081	117	82315	6.213	ug/l #	17
43) Isopropyl Acetate	8.563	43	174748	7.687	ug/l #	76
45) 1,2-Dichloropropane	9.616	63	6034	0.592	ug/l #	44
48) Methyl methacrylate	9.539	41	24843	2.309	ug/l #	8
49) 1,4-Dioxane	9.551	88	126	0.659	ug/l #	1
51) 4-Methyl-2-Pentanone	10.322	43	18897	1.366	ug/l	96
54) cis-1,3-Dichloropropene	10.239	75	138095	8.534	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	78340	4.629	ug/l #	43
59) 2-Hexanone	11.086	43	1185587	124.643	ug/l #	50
76) 1,2,3-Trichloropropane	12.727	75	291018	29.109	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	291018	94.326	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	494	2.060	ug/l	84
95) Naphthalene	15.498	128	1939	5.082	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.704	180	679	2.605	ug/l #	77

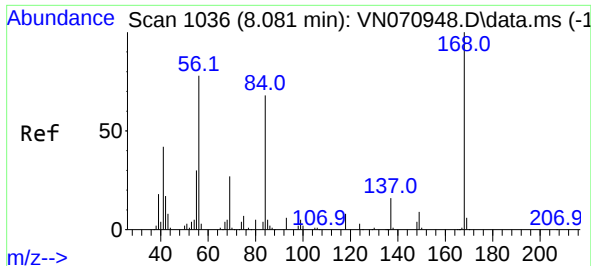
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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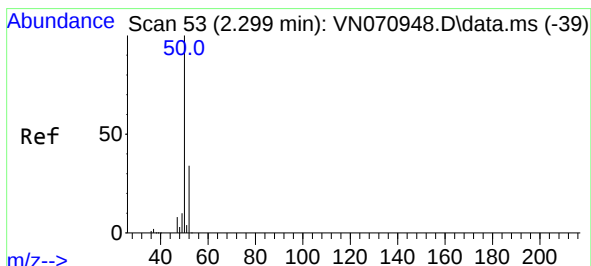
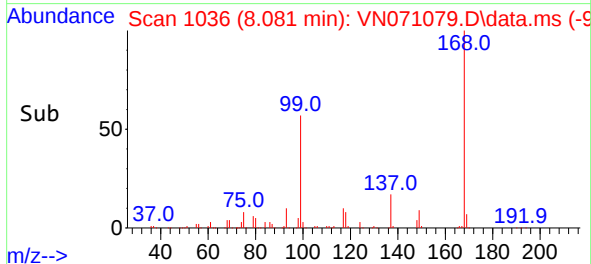
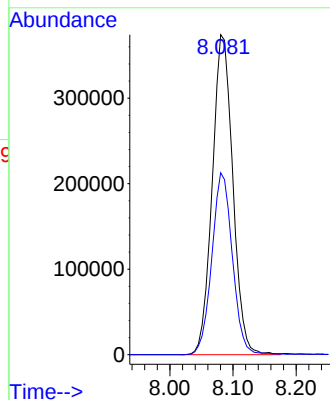
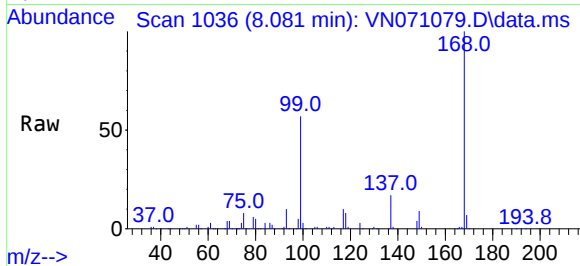




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

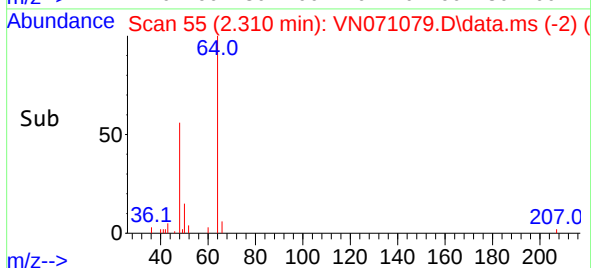
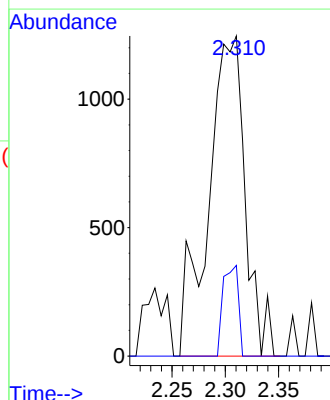
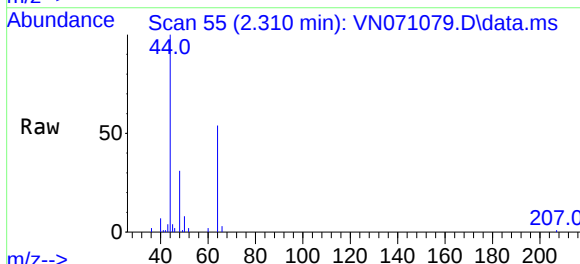
Instrument :
MSVOA_N
ClientSampleId :
TP-7

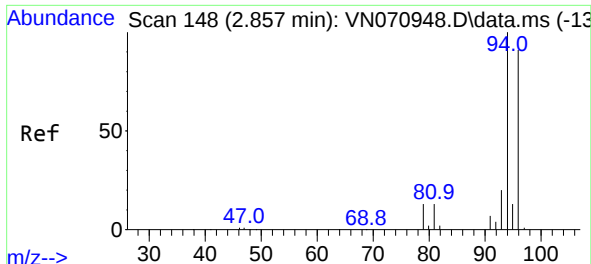
Tgt Ion:168 Resp: 846924
Ion Ratio Lower Upper
168 100
99 56.8 41.3 61.9



#3
Chloromethane
Concen: 0.271 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.012 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion: 50 Resp: 2998
Ion Ratio Lower Upper
50 100
52 28.3 25.4 38.0

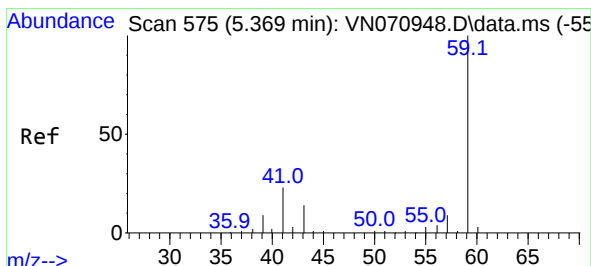
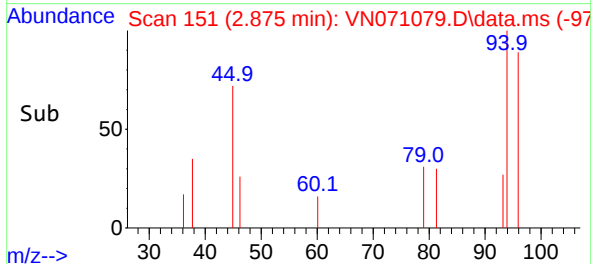
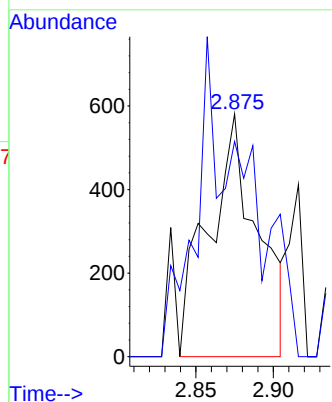
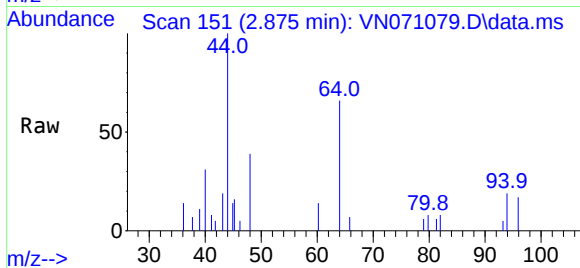




#5
Bromomethane
Concen: 0.201 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

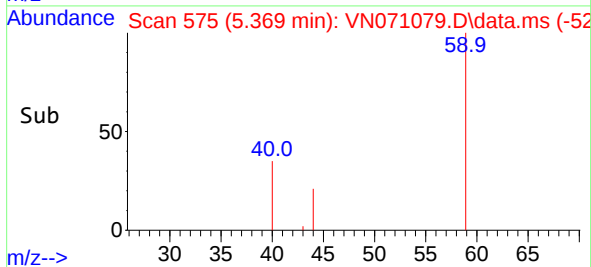
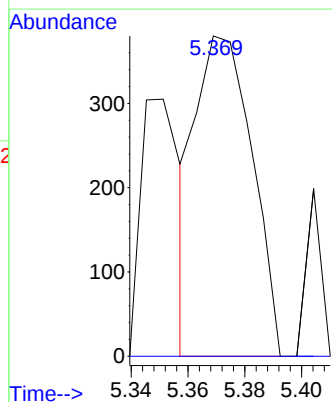
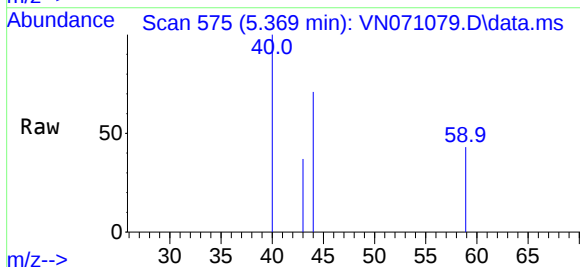
Instrument :
MSVOA_N
ClientSampleId :
TP-7

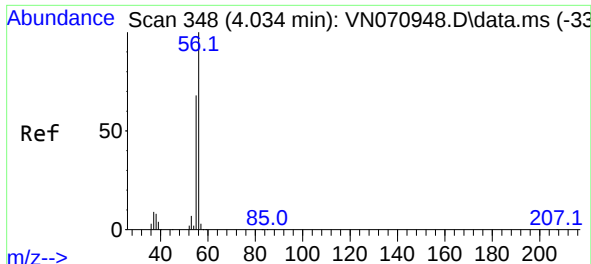
Tgt Ion: 94 Resp: 1265
Ion Ratio Lower Upper
94 100
96 61.4 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.297 ug/l
RT: 5.369 min Scan# 575
Delta R.T. -0.000 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion: 59 Resp: 524
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





#13

Acrolein

Concen: 0.234 ug/l

RT: 4.057 min Scan# 31

Delta R.T. 0.023 min

Lab File: VN071079.D

Acq: 25 Feb 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

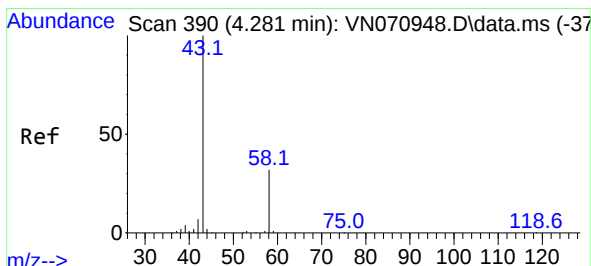
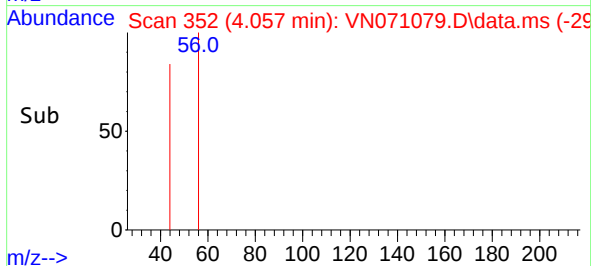
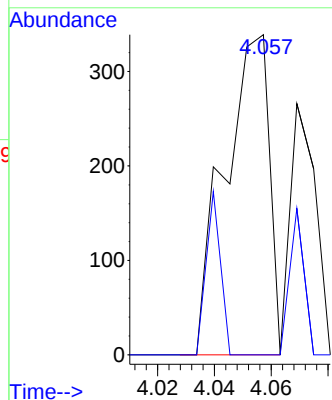
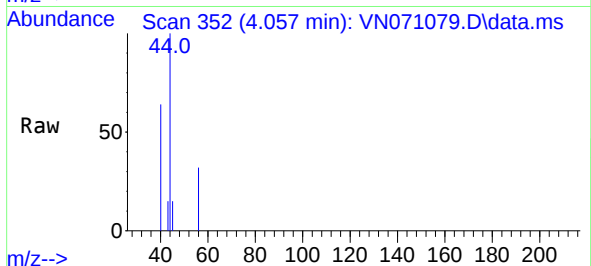
TP-7

Tgt Ion: 56 Resp: 369

Ion Ratio Lower Upper

56 100

55 14.9 56.6 85.0#



#16

Acetone

Concen: 9.639 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.012 min

Lab File: VN071079.D

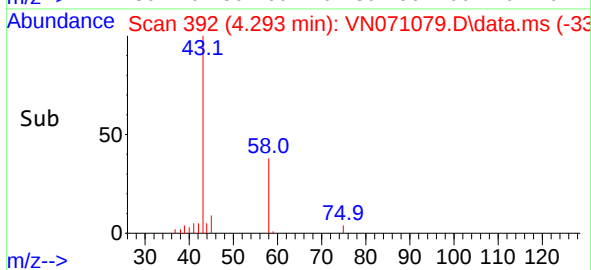
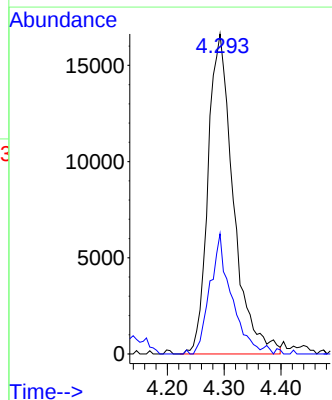
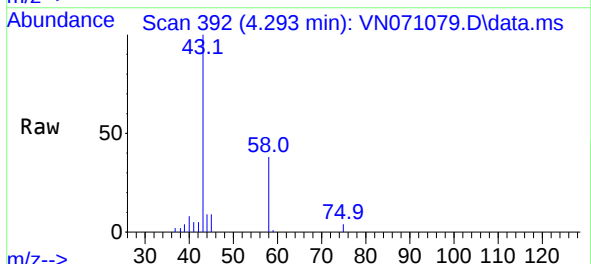
Acq: 25 Feb 2022 18:58

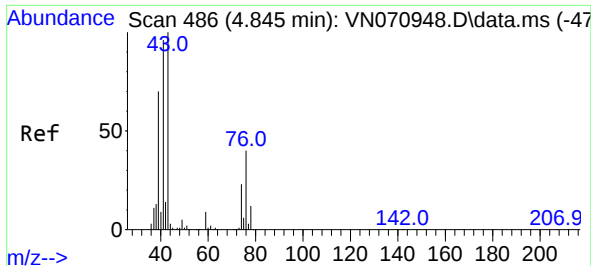
Tgt Ion: 43 Resp: 51359

Ion Ratio Lower Upper

43 100

58 37.6 23.1 34.7#

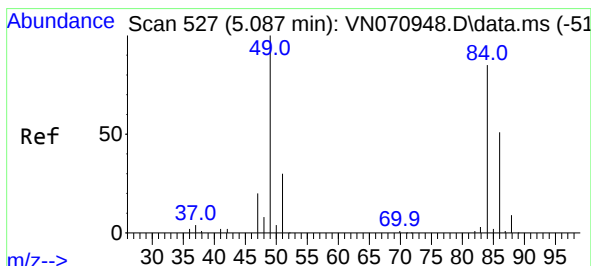
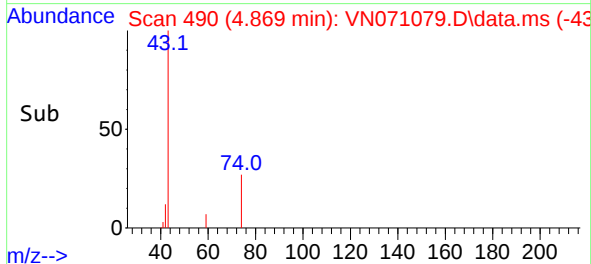
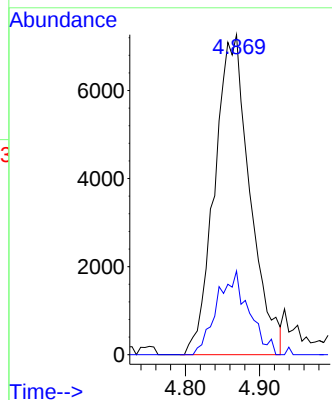
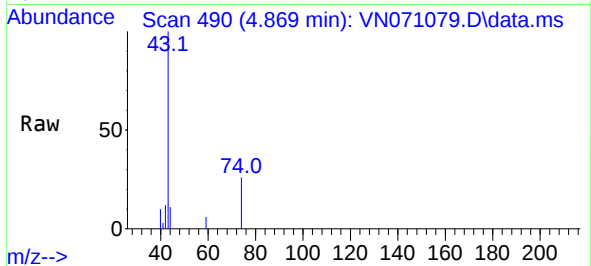




#18
Methyl Acetate
Concen: 1.474 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.024 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

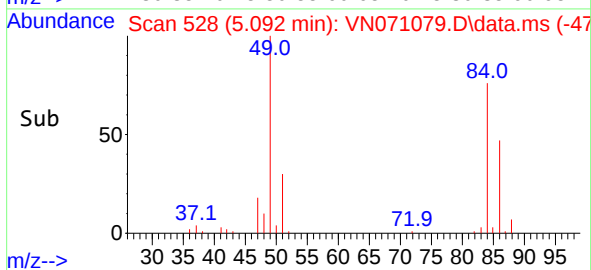
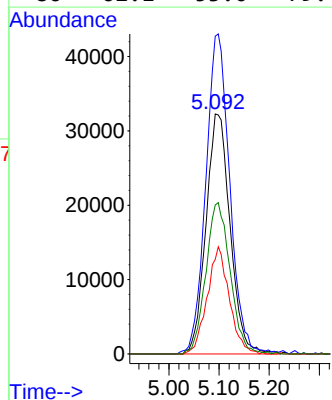
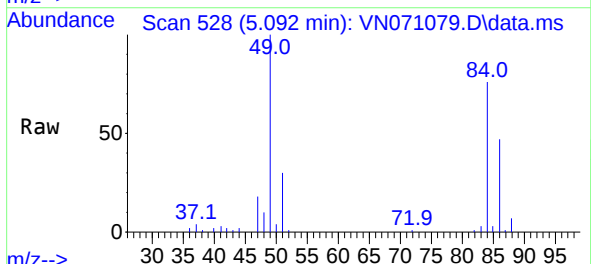
Instrument :
MSVOA_N
ClientSampleId :
TP-7

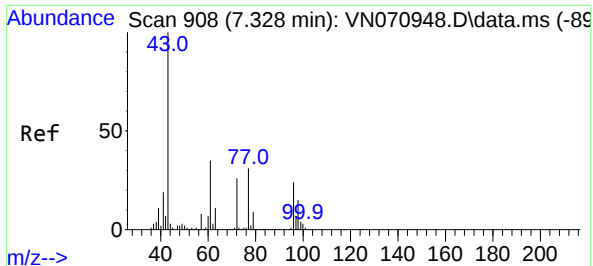
Tgt Ion: 43 Resp: 24020
Ion Ratio Lower Upper
43 100
74 23.6 19.4 29.2



#20
Methylene Chloride
Concen: 11.159 ug/l
RT: 5.092 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion: 84 Resp: 108053
Ion Ratio Lower Upper
84 100
49 131.6 93.5 140.3
51 39.4 29.4 44.2
86 62.1 53.0 79.4





#25

2-Butanone

Concen: 1.338 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.018 min

Lab File: VN071079.D

Acq: 25 Feb 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

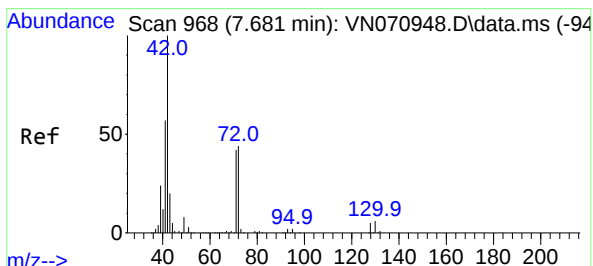
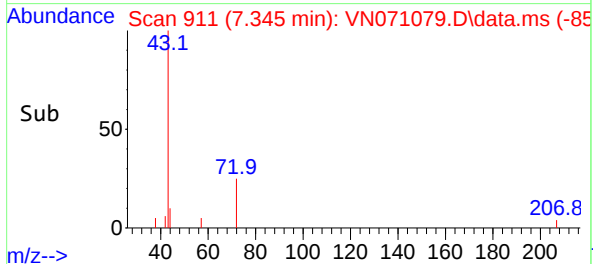
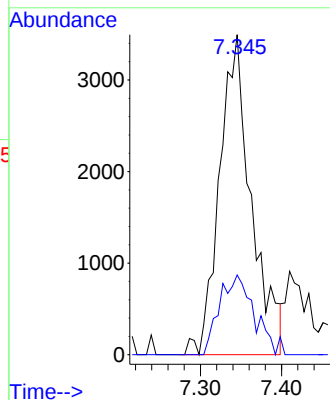
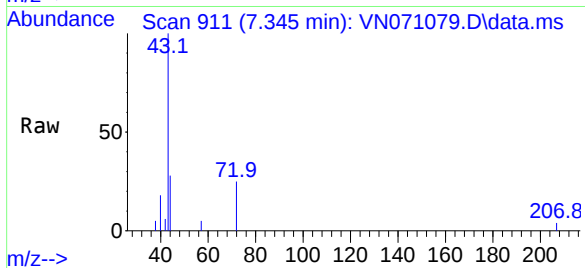
TP-7

Tgt Ion: 43 Resp: 9484

Ion Ratio Lower Upper

43 100

72 24.9 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 7.710 min Scan# 973

Delta R.T. 0.029 min

Lab File: VN071079.D

Acq: 25 Feb 2022 18:58

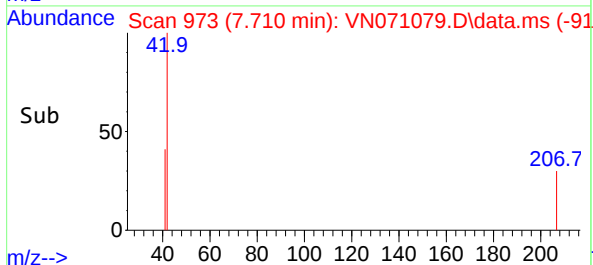
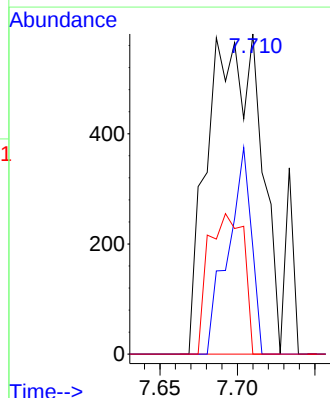
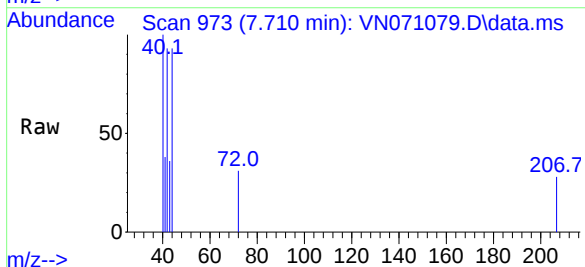
Tgt Ion: 42 Resp: 1369

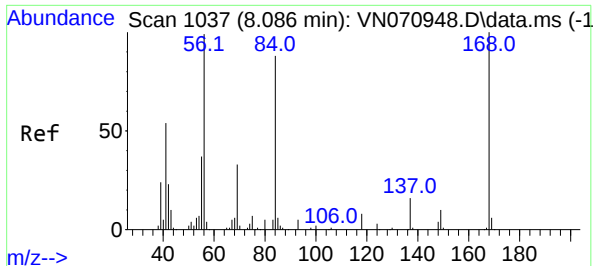
Ion Ratio Lower Upper

42 100

72 28.9 36.3 54.5#

71 29.4 34.7 52.1#





#31

Cyclohexane

Concen: 1.038 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071079.D

Acq: 25 Feb 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

TP-7

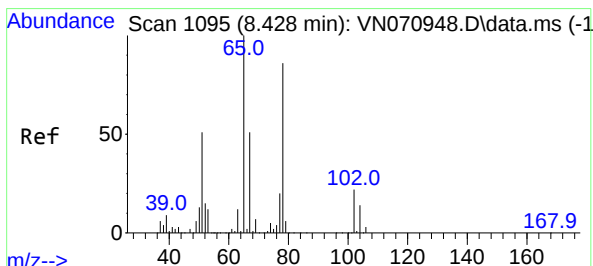
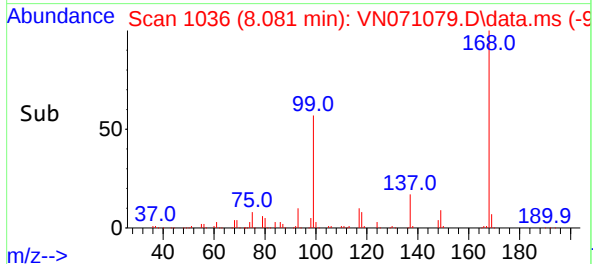
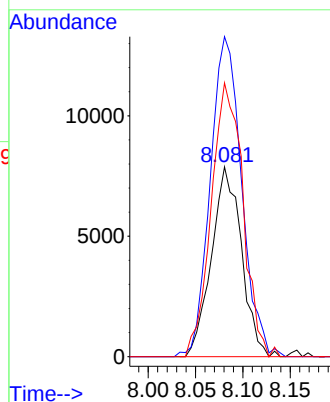
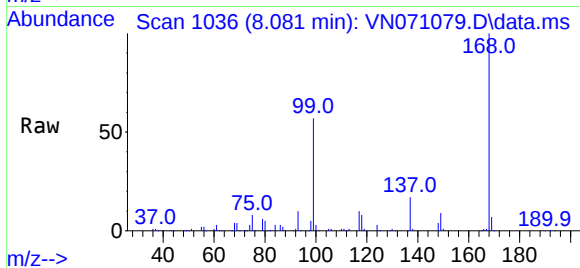
Tgt Ion: 56 Resp: 17369

Ion Ratio Lower Upper

56 100

69 166.5 27.1 40.7#

84 144.2 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 53.385 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. 0.006 min

Lab File: VN071079.D

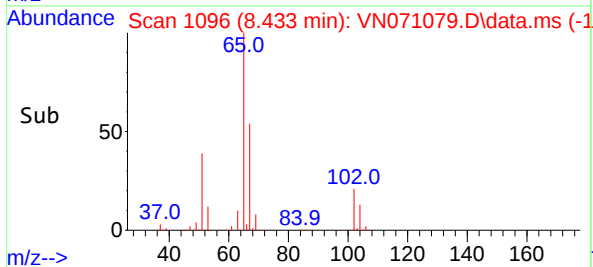
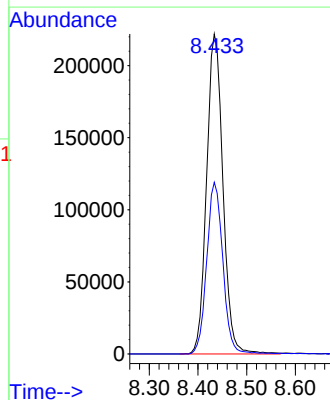
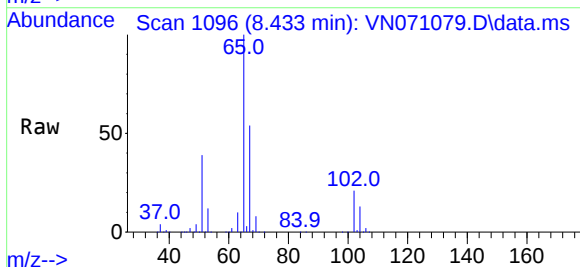
Acq: 25 Feb 2022 18:58

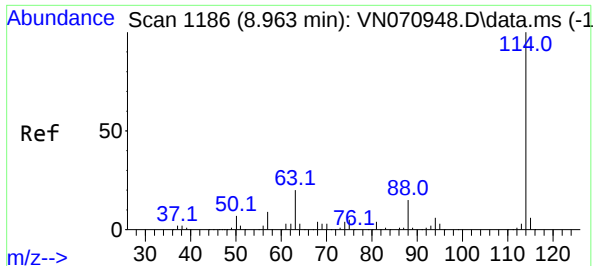
Tgt Ion: 65 Resp: 516472

Ion Ratio Lower Upper

65 100

67 52.9 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: VN071079.D

Acq: 25 Feb 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

TP-7

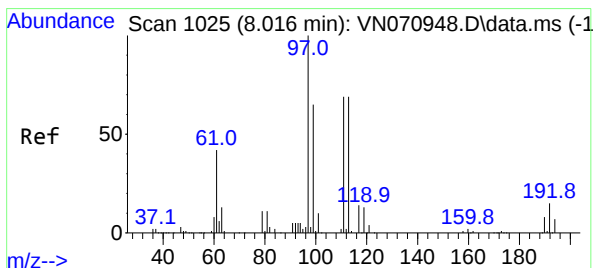
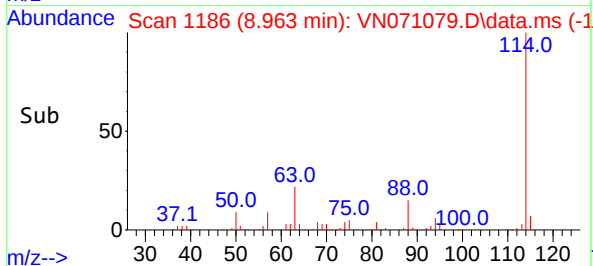
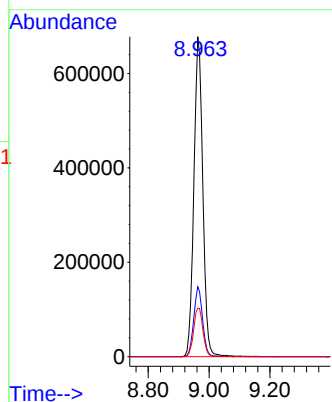
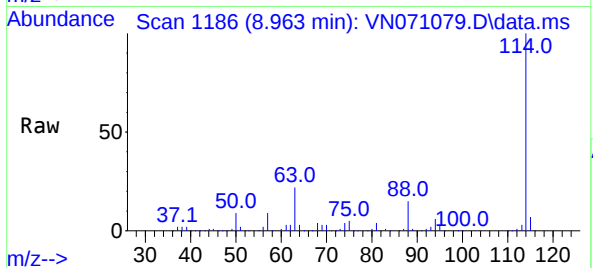
Tgt Ion:114 Resp: 1379909

Ion Ratio Lower Upper

114 100

63 21.8 0.0 37.8

88 15.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.341 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071079.D

Acq: 25 Feb 2022 18:58

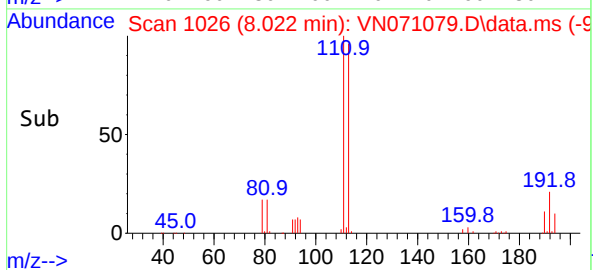
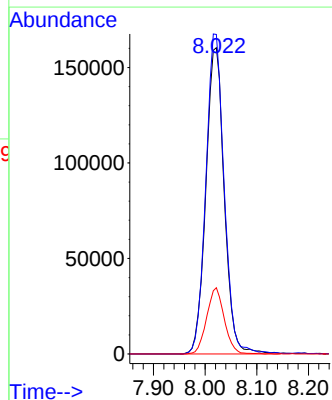
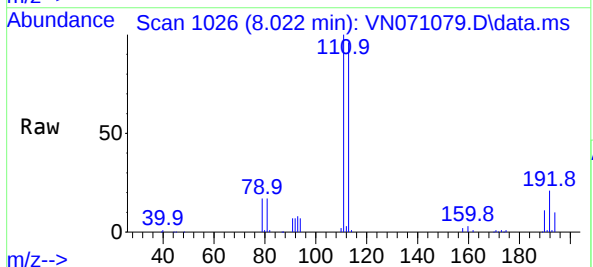
Tgt Ion:113 Resp: 396771

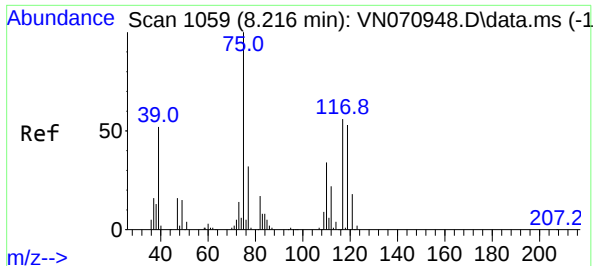
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

192 20.7 16.9 25.3

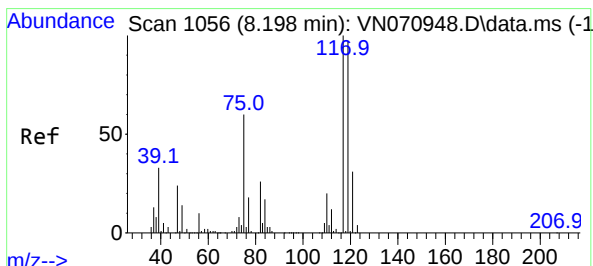
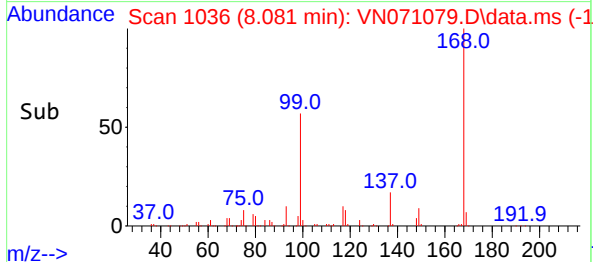
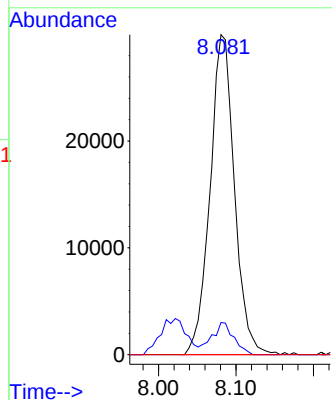
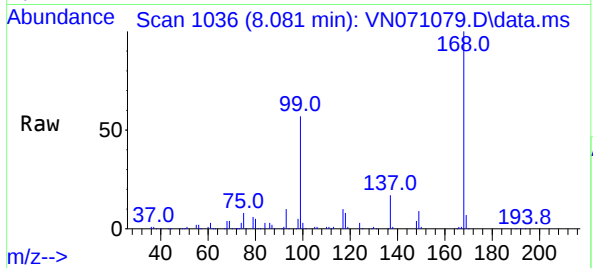




#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

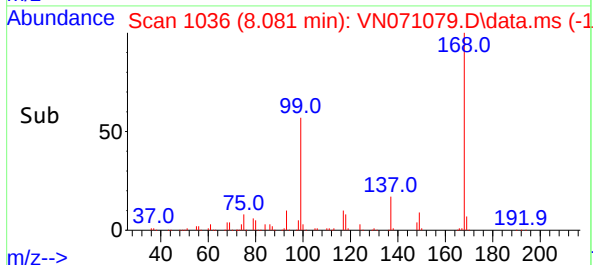
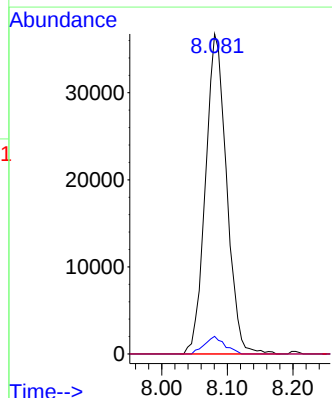
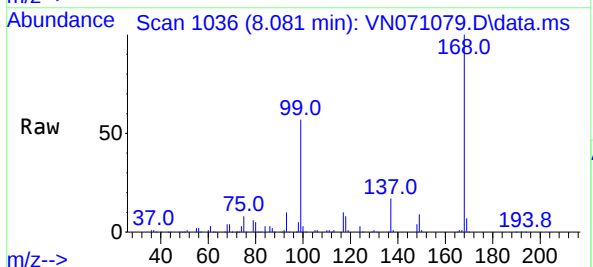
Instrument :
MSVOA_N
ClientSampleId :
TP-7

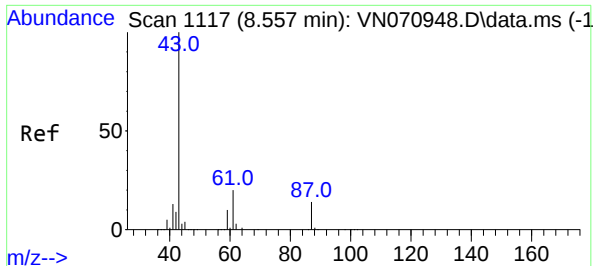
Tgt Ion: 75 Resp: 65541
Ion Ratio Lower Upper
75 100
110 9.1 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.213 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion: 117 Resp: 82315
Ion Ratio Lower Upper
117 100
119 5.5 76.1 114.1#
121 0.0 24.2 36.2#

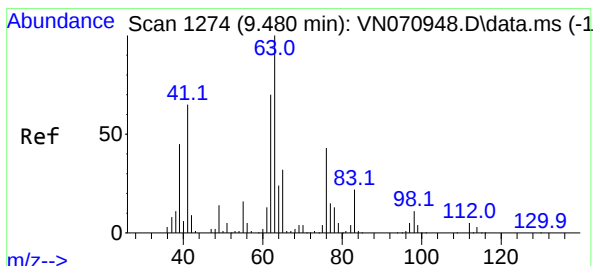
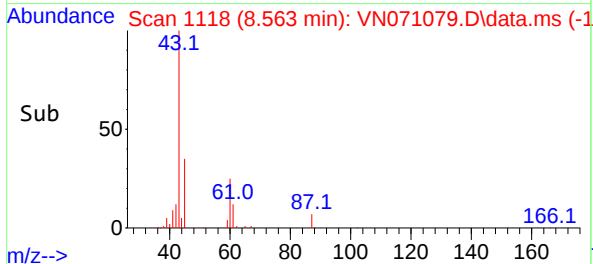
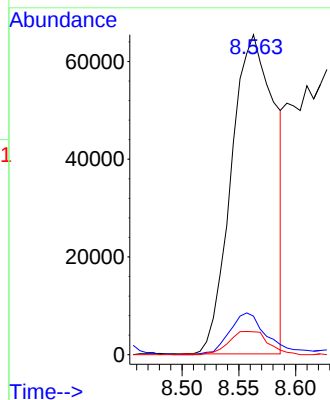
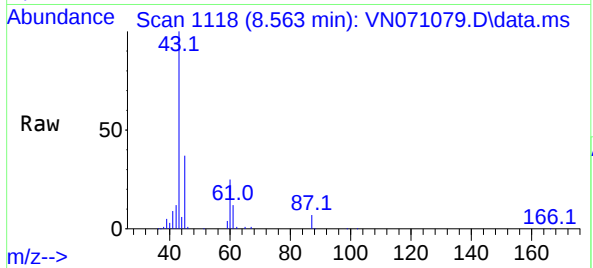




#43
Isopropyl Acetate
Concen: 7.687 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

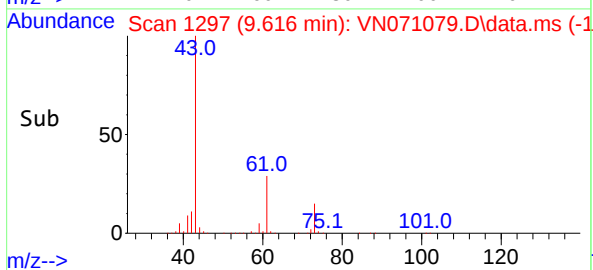
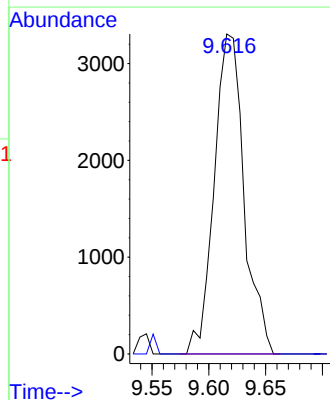
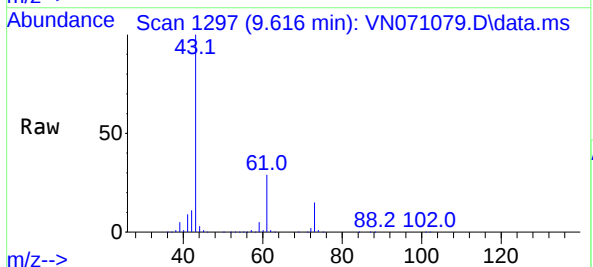
Instrument :
MSVOA_N
ClientSampleId :
TP-7

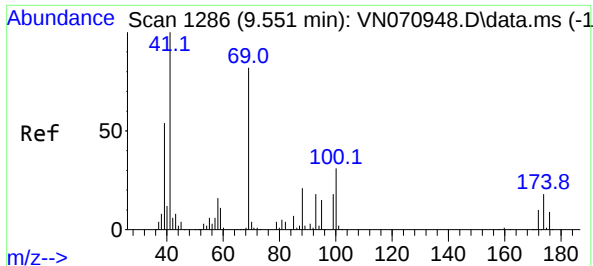
Tgt Ion: 43 Resp: 174748
Ion Ratio Lower Upper
43 100
61 11.5 20.4 30.6#
87 6.5 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.592 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.135 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion: 63 Resp: 6034
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 2.309 ug/l

RT: 9.539 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN071079.D

Acq: 25 Feb 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

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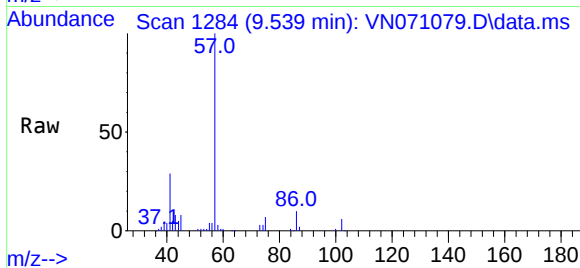
Tgt Ion: 41 Resp: 24843

Ion Ratio Lower Upper

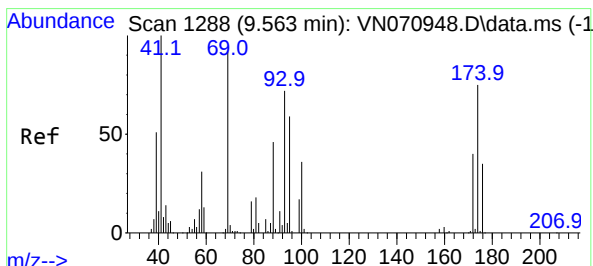
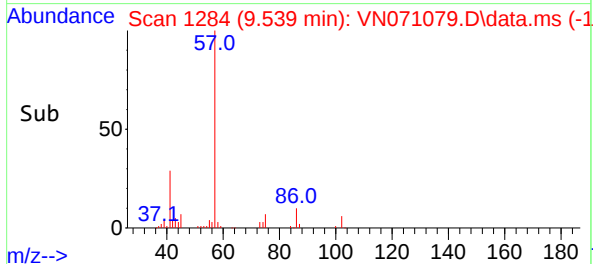
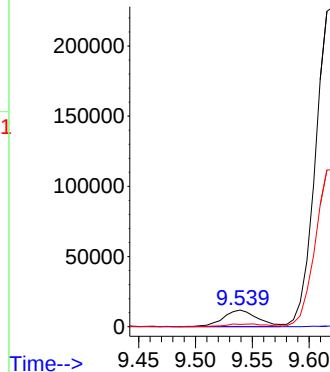
41 100

69 0.0 72.4 108.6#

39 0.0 58.4 87.6#



Abundance



#49

1,4-Dioxane

Concen: 0.659 ug/l

RT: 9.551 min Scan# 1286

Delta R.T. -0.012 min

Lab File: VN071079.D

Acq: 25 Feb 2022 18:58

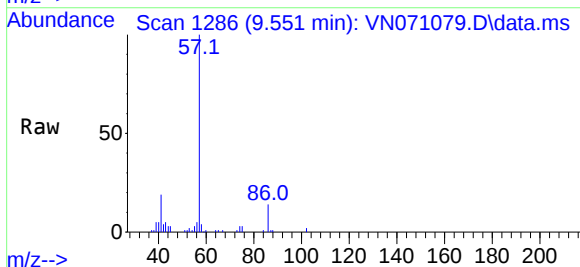
Tgt Ion: 88 Resp: 126

Ion Ratio Lower Upper

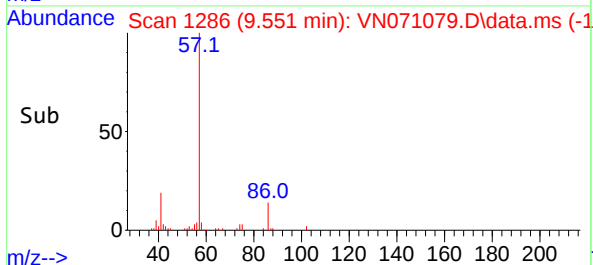
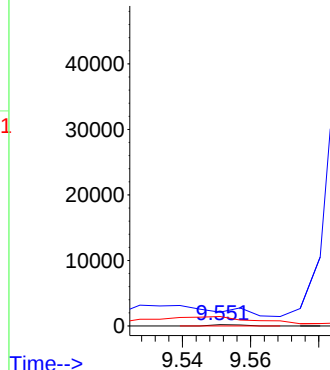
88 100

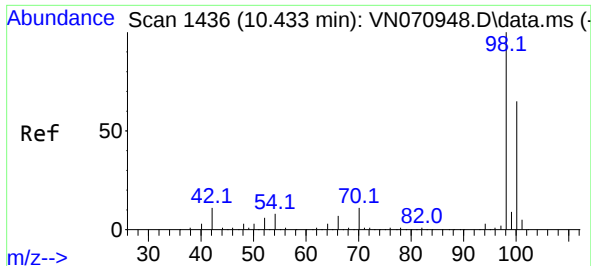
43 0.0 23.4 35.2#

58 2731.7 50.6 75.8#



Abundance

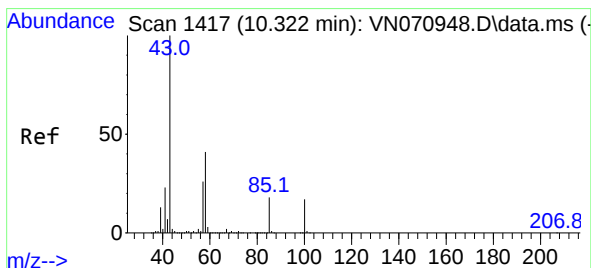
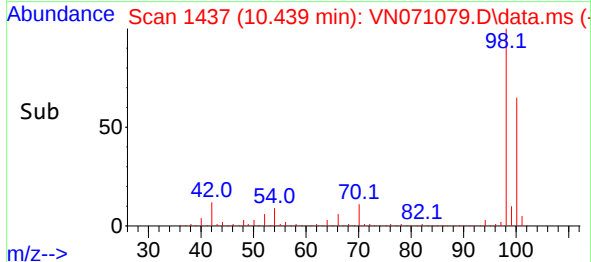
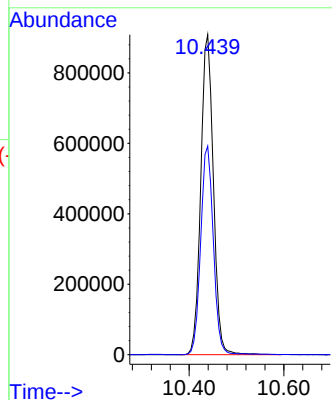
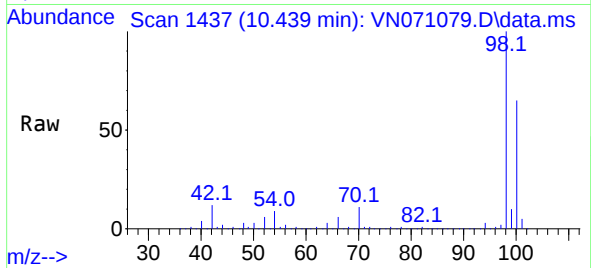




#50
Toluene-d8
Concen: 51.023 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

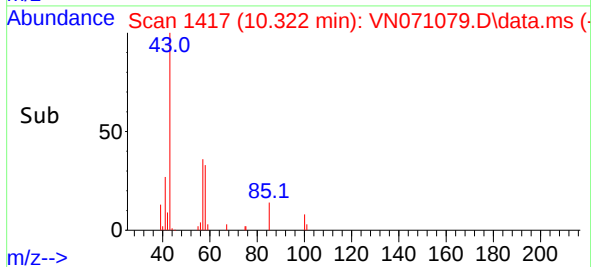
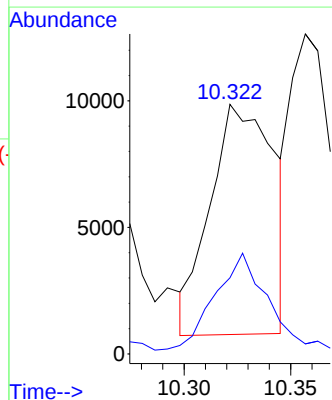
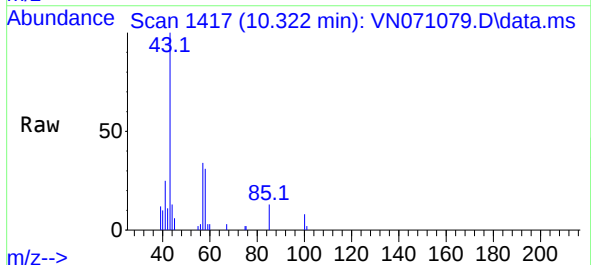
Instrument :
MSVOA_N
ClientSampleId :
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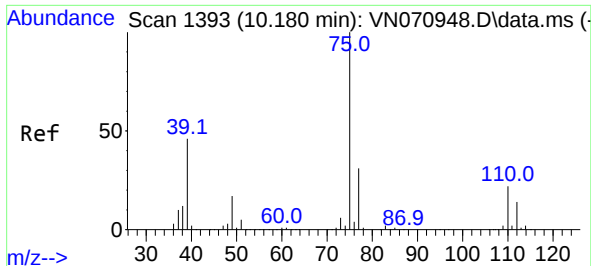
Tgt Ion: 98 Resp: 1681796
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.366 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion: 43 Resp: 18897
Ion Ratio Lower Upper
43 100
58 40.2 30.4 45.6

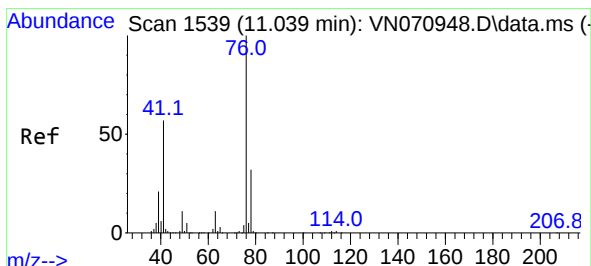
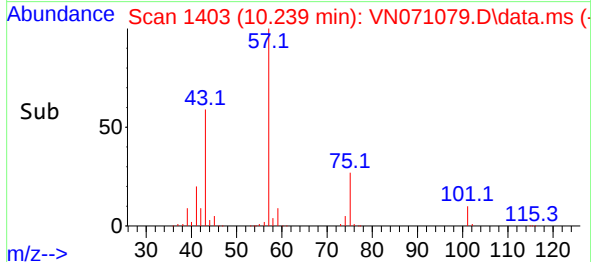
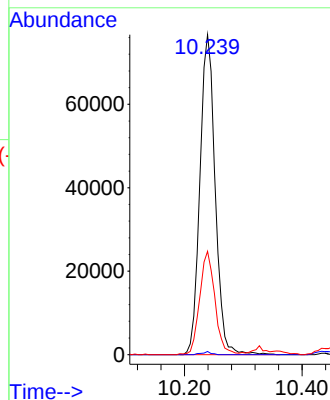
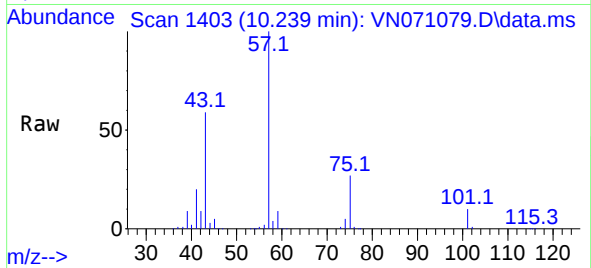




#54
cis-1,3-Dichloropropene
Concen: 8.534 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.059 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

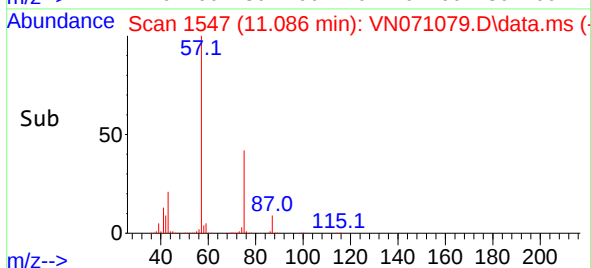
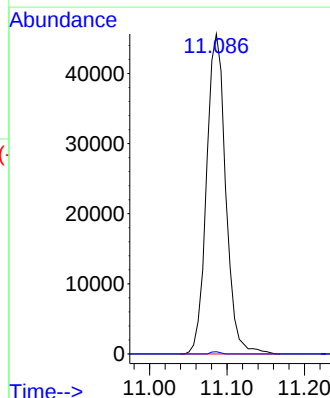
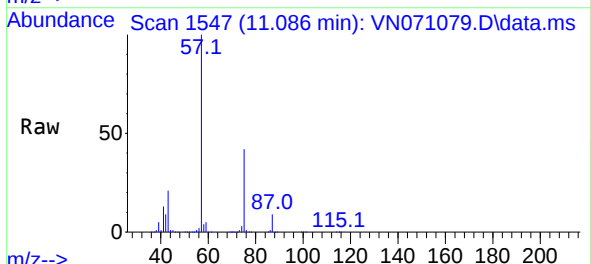
Instrument :
MSVOA_N
ClientSampleId :
TP-7

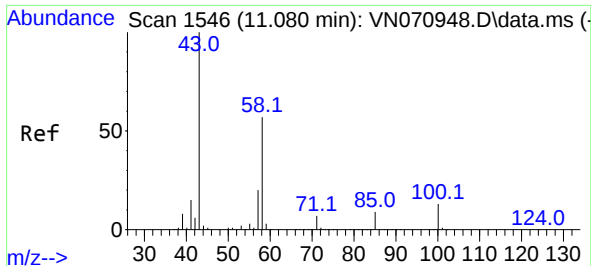
Tgt Ion: 75 Resp: 138095
Ion Ratio Lower Upper
75 100
77 1.0 26.4 39.6#
39 32.0 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 4.629 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion: 76 Resp: 78340
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

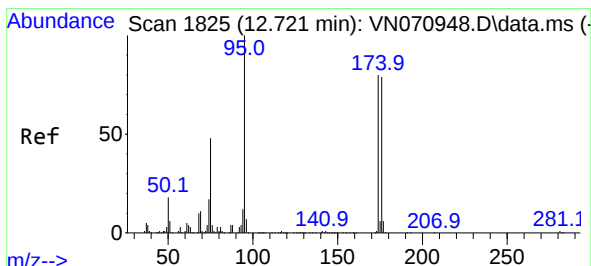
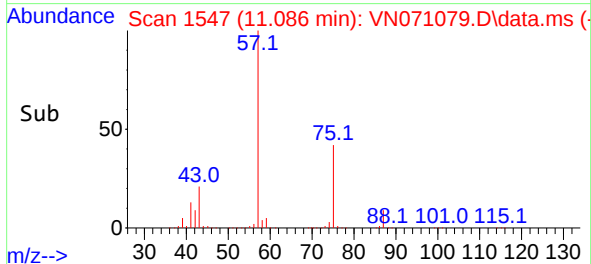
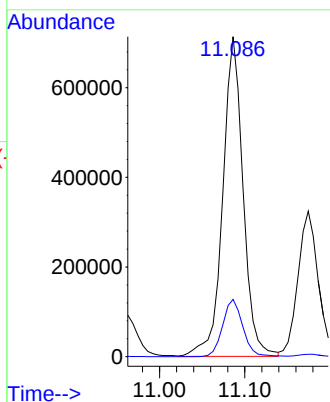
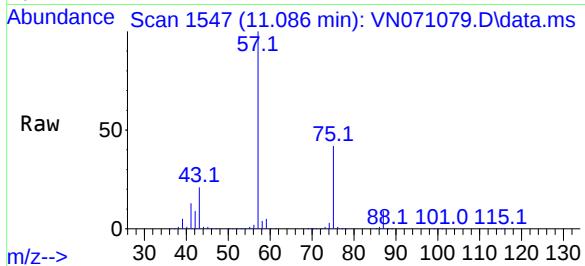




#59
2-Hexanone
Concen: 124.643 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

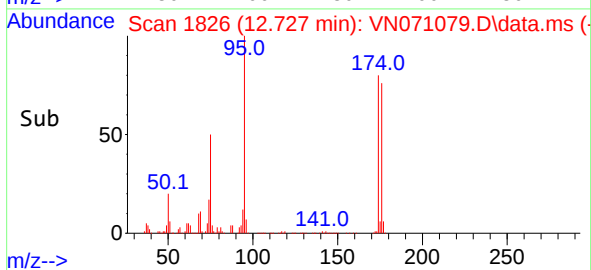
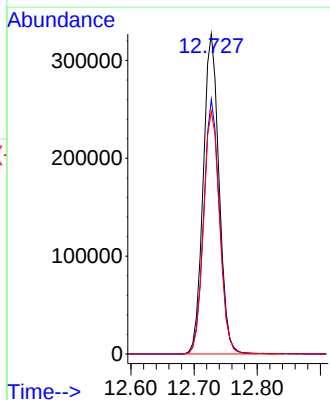
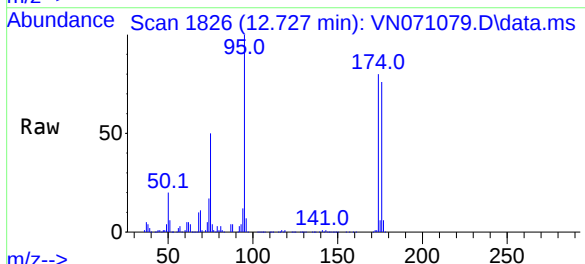
Instrument :
MSVOA_N
ClientSampleId :
TP-7

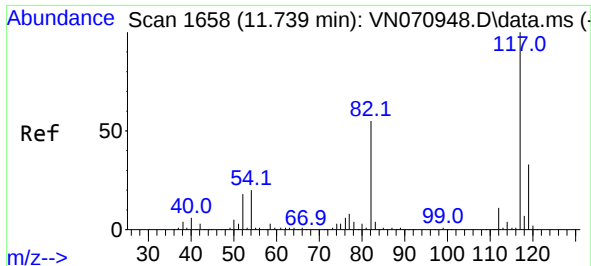
Tgt Ion: 43 Resp: 1185587
Ion Ratio Lower Upper
43 100
58 17.8 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.151 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion: 95 Resp: 567309
Ion Ratio Lower Upper
95 100
174 79.9 0.0 187.2
176 77.1 0.0 181.4

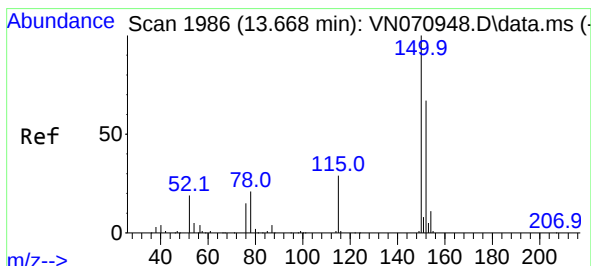
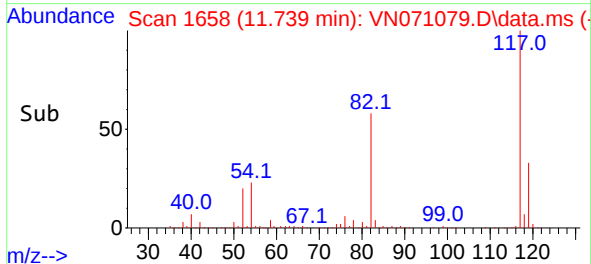
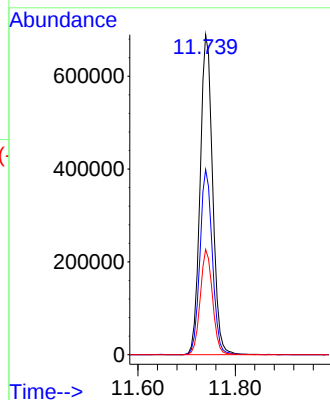
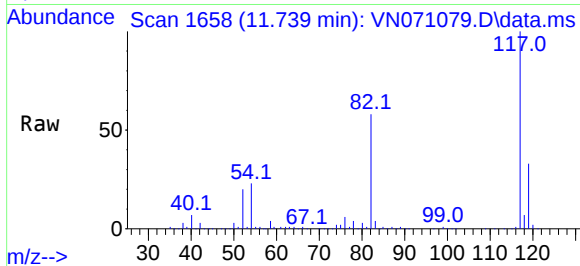




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

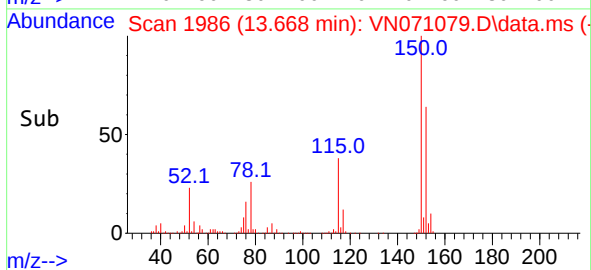
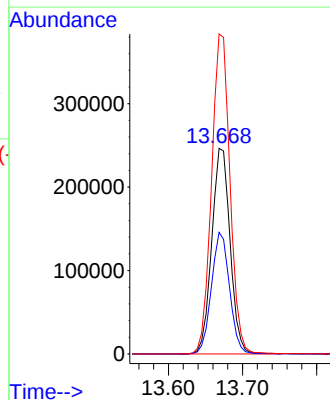
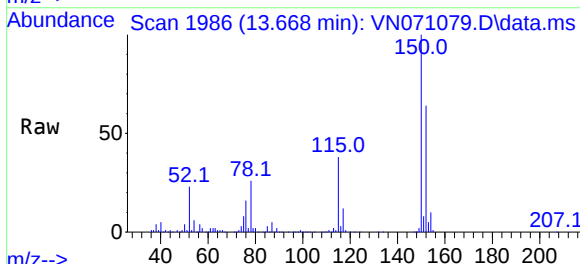
Instrument :
MSVOA_N
ClientSampleId :
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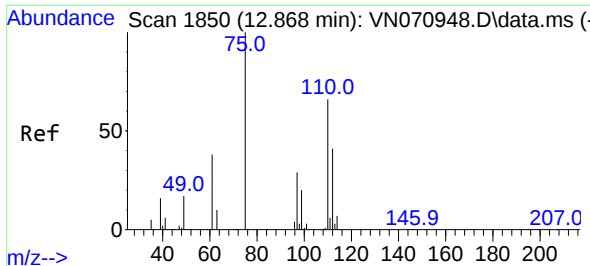
Tgt Ion:117 Resp: 1234377
Ion Ratio Lower Upper
117 100
82 57.9 42.4 63.6
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion:152 Resp: 424615
Ion Ratio Lower Upper
152 100
115 58.3 27.5 82.5
150 156.0 0.0 344.4

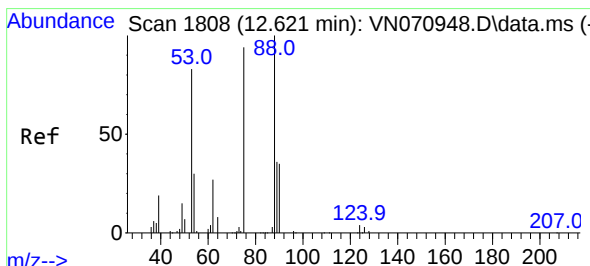
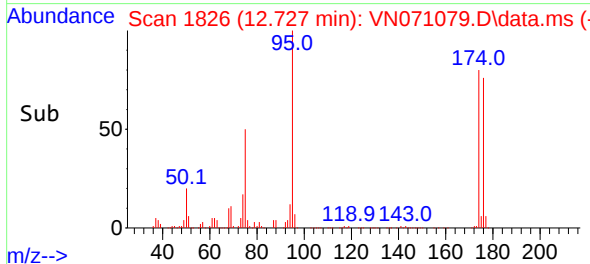
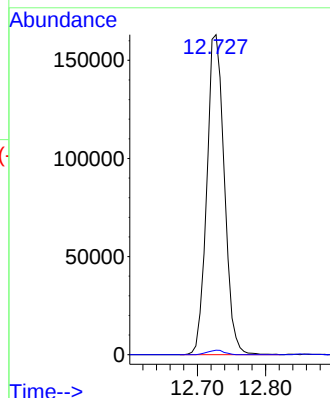
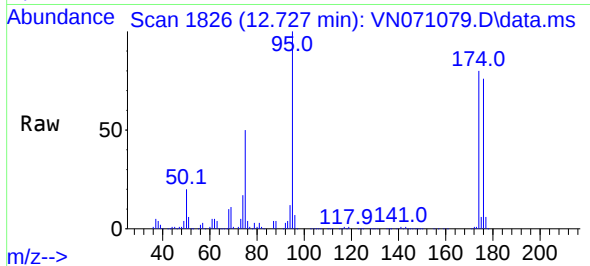




#76
1,2,3-Trichloropropane
Concen: 29.109 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

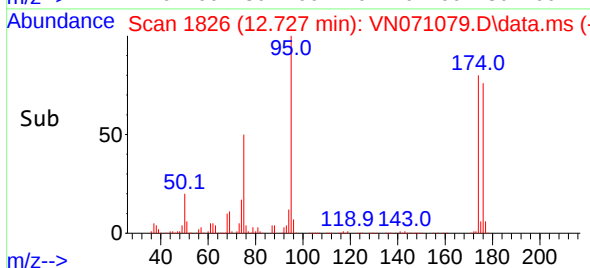
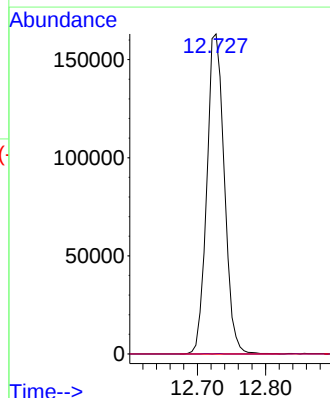
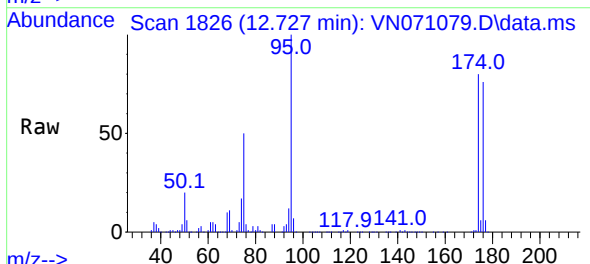
Instrument :
MSVOA_N
ClientSampleId :
TP-7

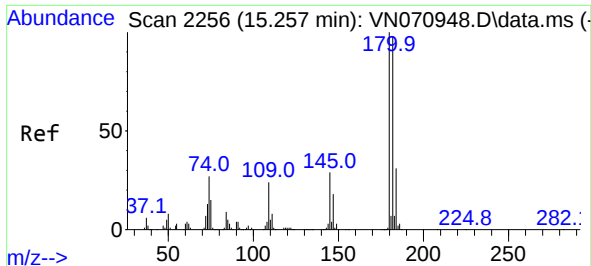
Tgt Ion: 75 Resp: 291018
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.326 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion: 75 Resp: 291018
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

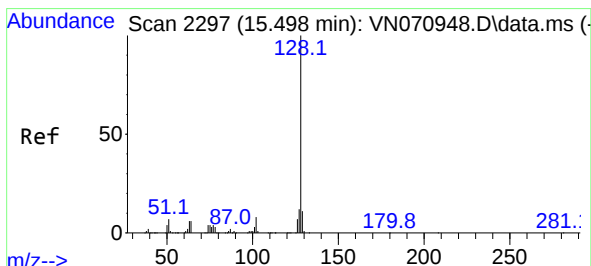
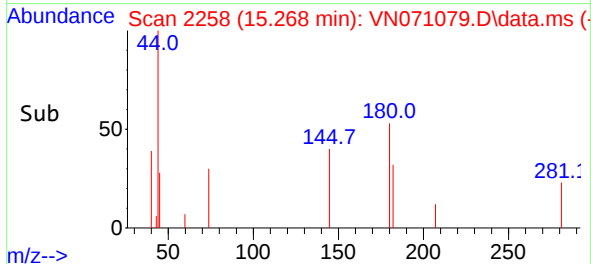
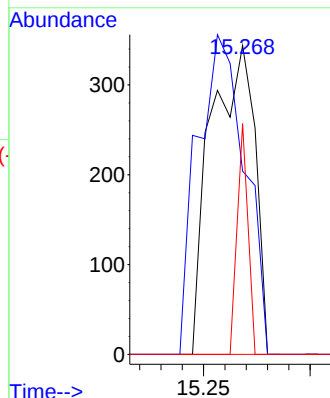
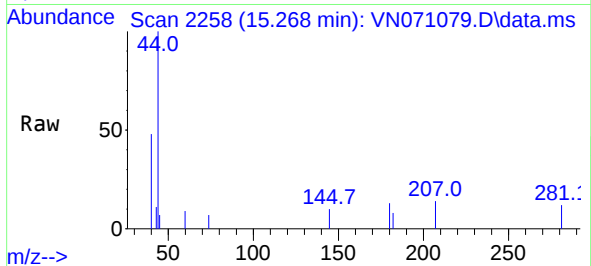




#93
1,2,4-Trichlorobenzene
Concen: 2.060 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

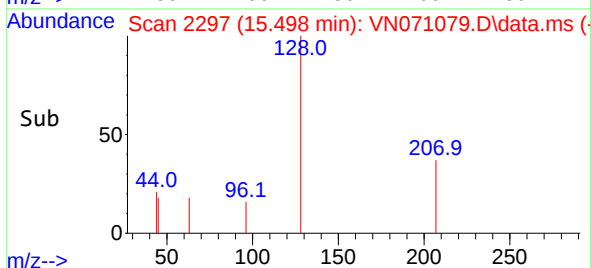
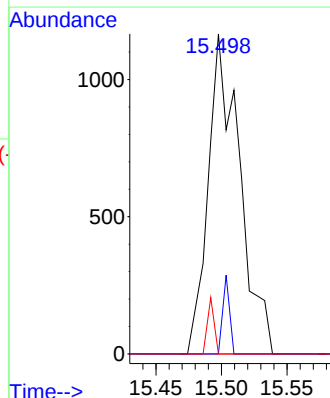
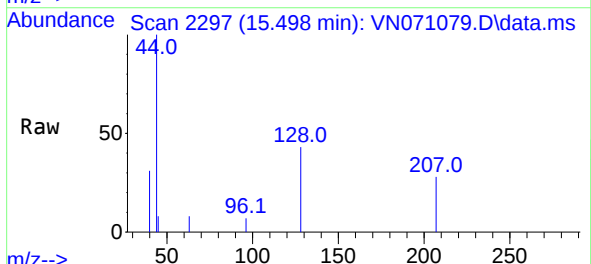
Instrument :
MSVOA_N
ClientSampleId :
TP-7

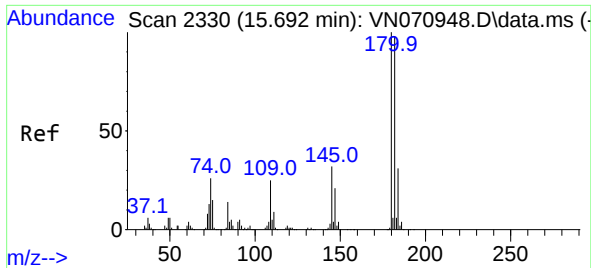
Tgt Ion:180	Resp:	494
Ion Ratio	Lower	Upper
180	100	
182	111.1	48.3 144.9
145	18.4	14.5 43.5



#95
Naphthalene
Concen: 5.082 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071079.D
Acq: 25 Feb 2022 18:58

Tgt Ion:128	Resp:	1939
Ion Ratio	Lower	Upper
128	100	
127	5.2	10.5 15.7#
129	3.7	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.605 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN071079.D
 Acq: 25 Feb 2022 18:58

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-7

Tgt Ion:180 Resp: 679
 Ion Ratio Lower Upper
 180 100
 182 77.9 47.4 142.2
 145 8.4 15.0 45.1#

