

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
 Data File : VN071075.D
 Acq On : 25 Feb 2022 17:22
 Operator : JC\MD
 Sample : N1664-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3

Quant Time: Feb 26 03:43:46 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)

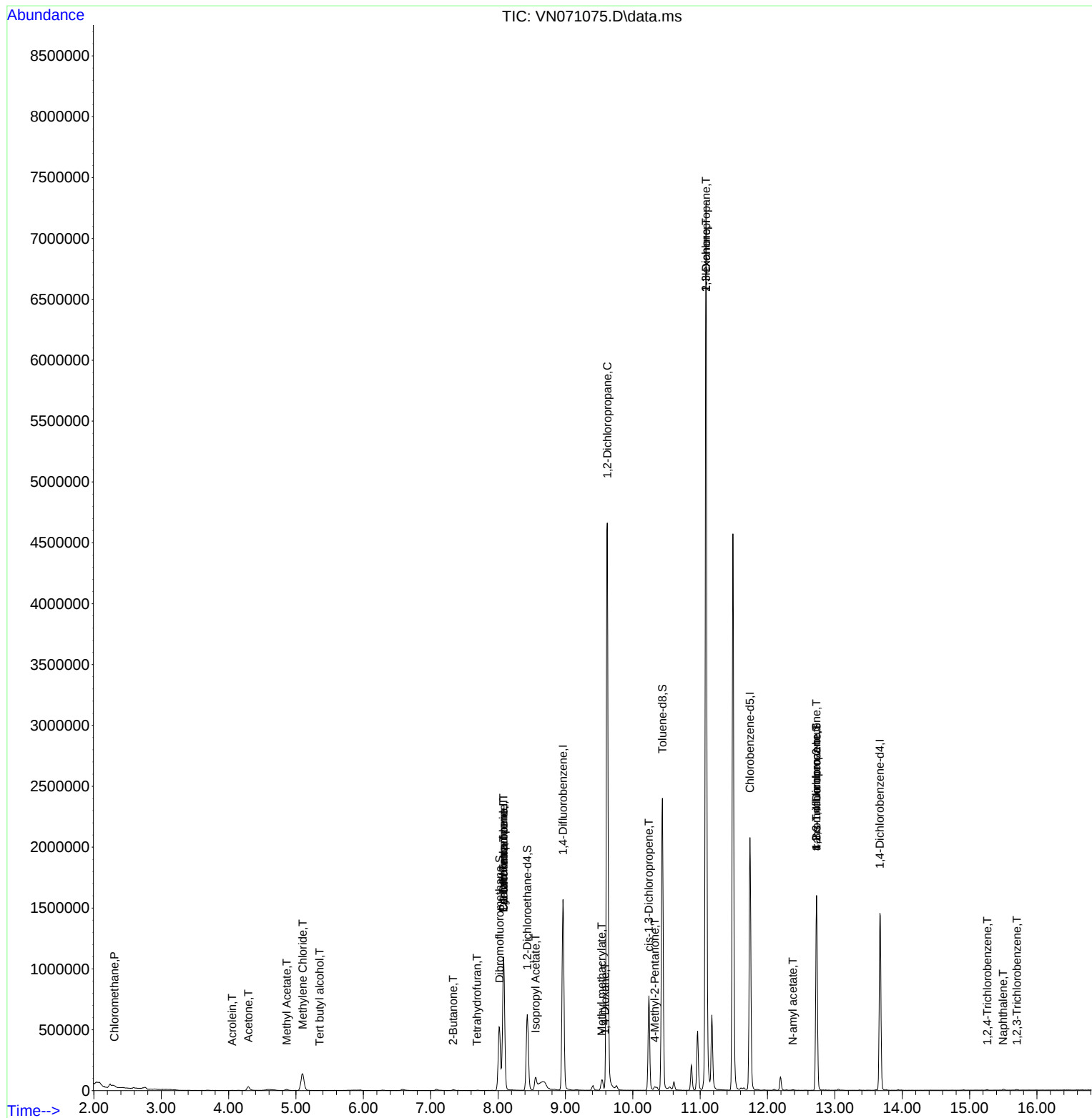
Internal Standards						
1) Pentafluorobenzene	8.081	168	852381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1351825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1211613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	415556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	511019	52.483	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.960%			
35) Dibromofluoromethane	8.022	113	389022	48.382	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.760%			
50) Toluene-d8	10.439	98	1664737	51.555	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.100%			
62) 4-Bromofluorobenzene	12.727	95	561757	48.670	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.340%			
Target Compounds					Qvalue	
3) Chloromethane	2.304	50	3229	0.290	ug/l	98
11) Tert butyl alcohol	5.351	59	517	0.291	ug/l #	71
13) Acrolein	4.051	56	811	0.511	ug/l	95
16) Acetone	4.293	43	55273	10.308	ug/l	92
18) Methyl Acetate	4.863	43	18612	0.995	ug/l	97
20) Methylene Chloride	5.098	84	111983	11.491	ug/l	91
25) 2-Butanone	7.334	43	11944	1.674	ug/l	95
29) Tetrahydrofuran	7.686	42	1124	0.243	ug/l #	59
31) Cyclohexane	8.081	56	16767	0.996	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	65850	4.999	ug/l #	49
38) Carbon Tetrachloride	8.081	117	80965	6.238	ug/l #	16
43) Isopropyl Acetate	8.557	43	136525	6.131	ug/l #	79
45) 1,2-Dichloropropane	9.622	63	6196	0.621	ug/l #	44
48) Methyl methacrylate	9.539	41	26188	2.485	ug/l #	8
49) 1,4-Dioxane	9.586	88	62	0.331	ug/l #	27
51) 4-Methyl-2-Pentanone	10.327	43	21869	1.614	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	139434	8.795	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	74462	4.492	ug/l #	43
59) 2-Hexanone	11.086	43	1163468	124.859	ug/l #	49
74) N-amyl acetate	12.374	43	3731	0.349	ug/l #	80
76) 1,2,3-Trichloropropane	12.727	75	286348	29.266	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	286348	94.835	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	1724	2.215	ug/l	92
95) Naphthalene	15.498	128	6914	5.325	ug/l	96
96) 1,2,3-Trichlorobenzene	15.704	180	2248	2.819	ug/l	94

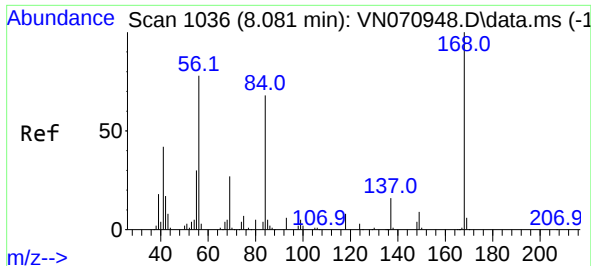
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
Data File : VN071075.D
Acq On : 25 Feb 2022 17:22
Operator : JC\MD
Sample : N1664-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Quant Time: Feb 26 03:43:46 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.081 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN071075.D

Acq: 25 Feb 2022 17:22

Instrument :

MSVOA_N

ClientSampleId :

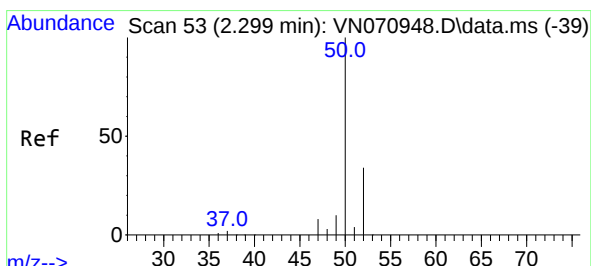
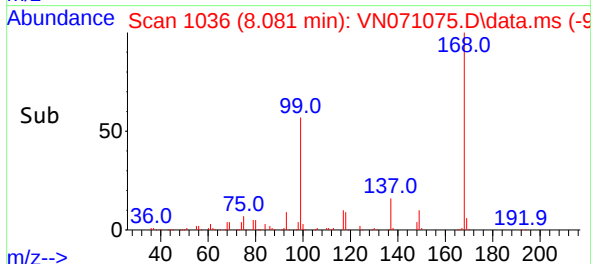
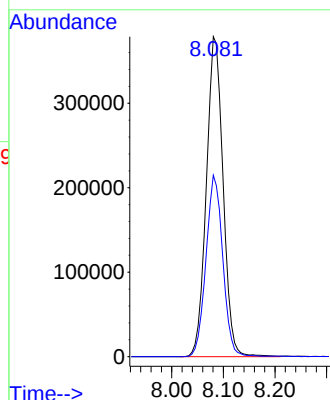
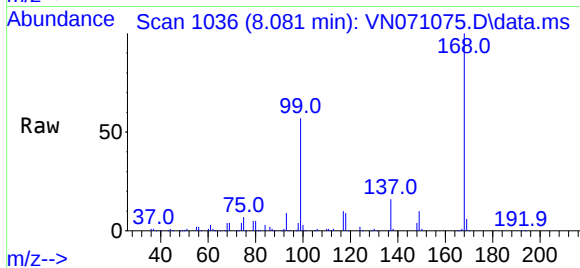
TP-3

Tgt Ion:168 Resp: 852381

Ion Ratio Lower Upper

168 100

99 56.7 41.3 61.9



#3

Chloromethane

Concen: 0.290 ug/l

RT: 2.304 min Scan# 54

Delta R.T. 0.006 min

Lab File: VN071075.D

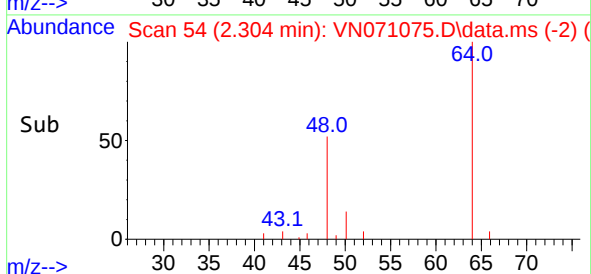
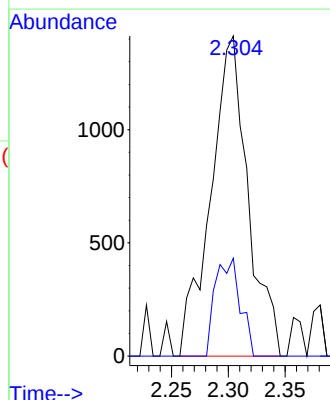
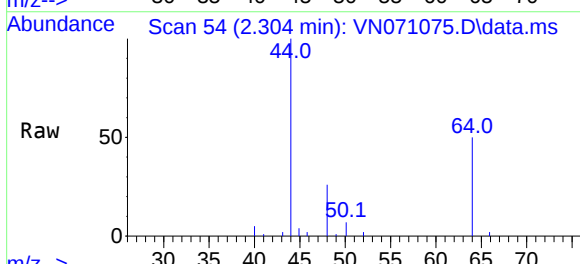
Acq: 25 Feb 2022 17:22

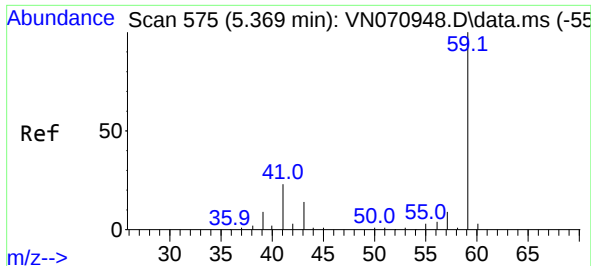
Tgt Ion: 50 Resp: 3229

Ion Ratio Lower Upper

50 100

52 30.6 25.4 38.0

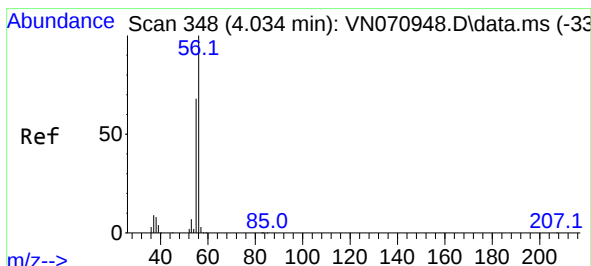
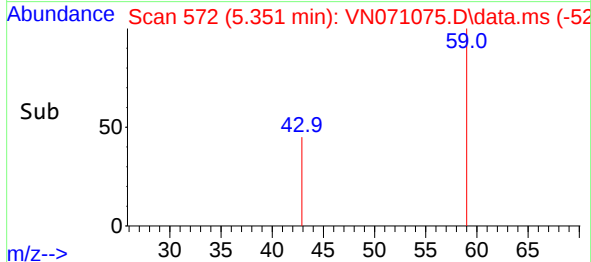
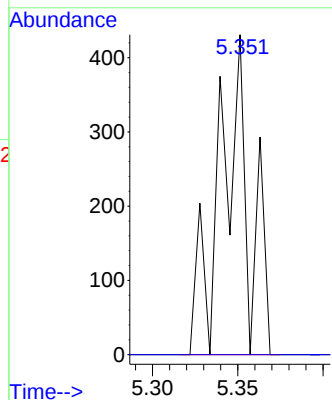
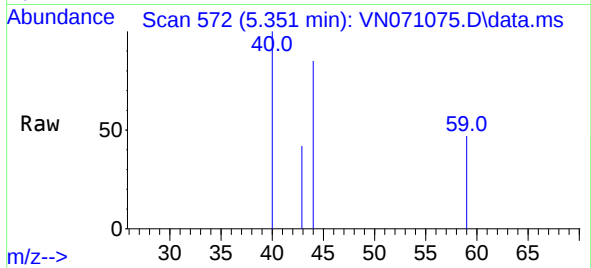




#11
Tert butyl alcohol
Concen: 0.291 ug/l
RT: 5.351 min Scan# 517
Delta R.T. -0.018 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

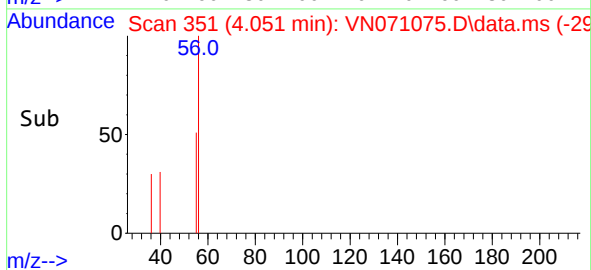
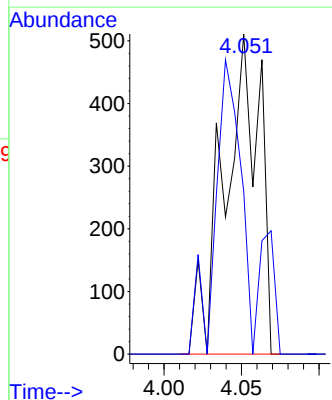
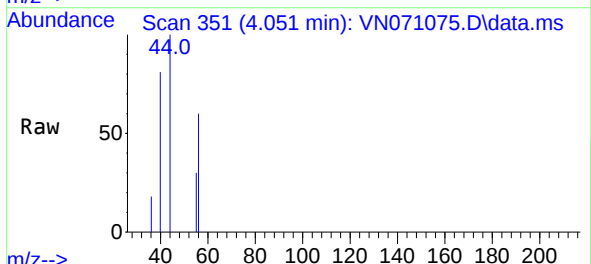
Instrument :
MSVOA_N
ClientSampleId :
TP-3

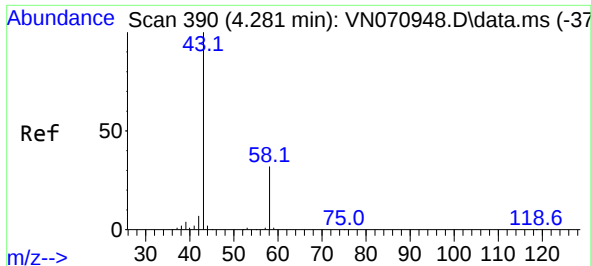
Tgt Ion: 59 Resp: 517
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.511 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.017 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Tgt Ion: 56 Resp: 811
Ion Ratio Lower Upper
56 100
55 66.6 56.6 85.0

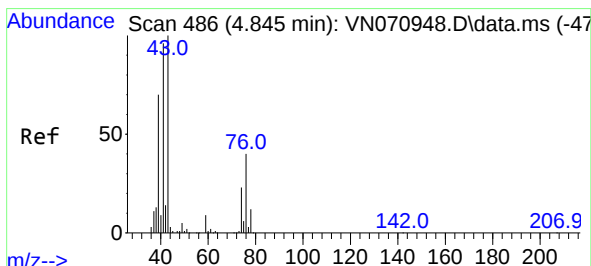
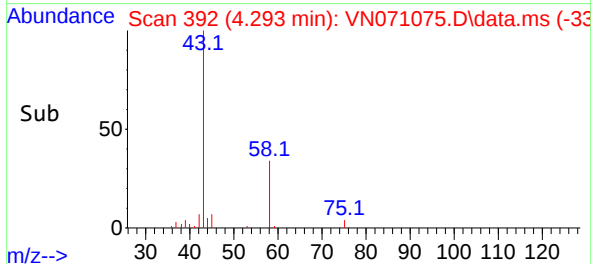
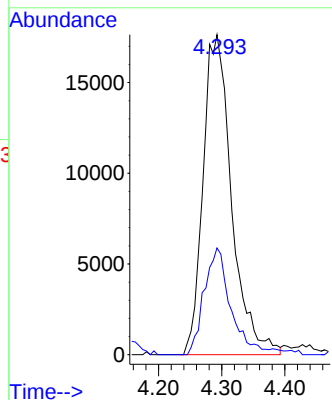
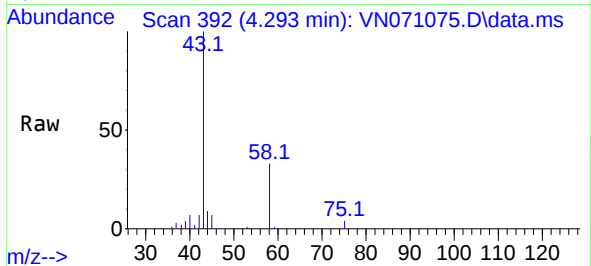




#16
Acetone
Concen: 10.308 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

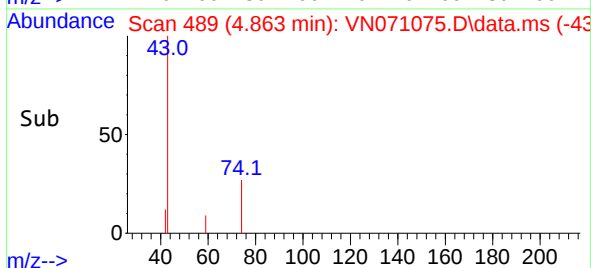
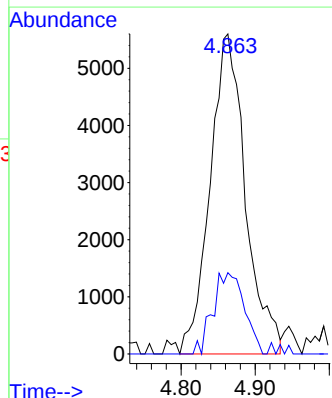
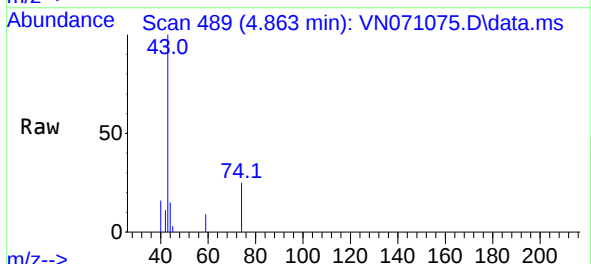
Instrument :
MSVOA_N
ClientSampleId :
TP-3

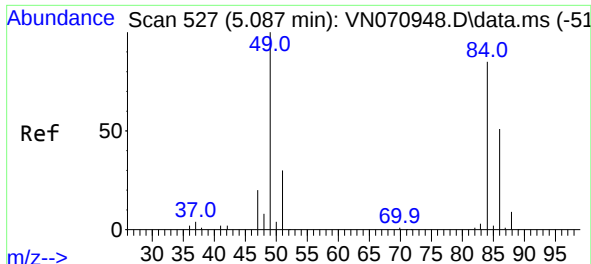
Tgt Ion: 43 Resp: 55273
Ion Ratio Lower Upper
43 100
58 33.3 23.1 34.7



#18
Methyl Acetate
Concen: 0.995 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.018 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Tgt Ion: 43 Resp: 18612
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2



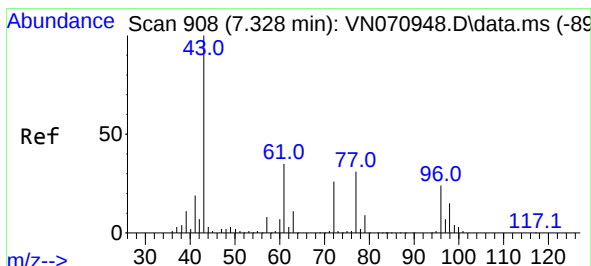
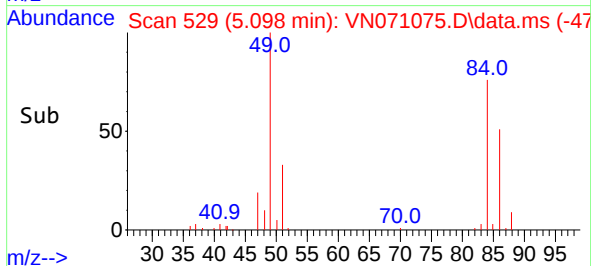
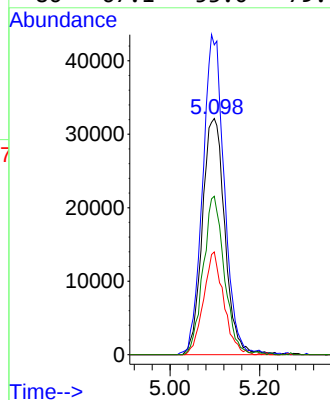
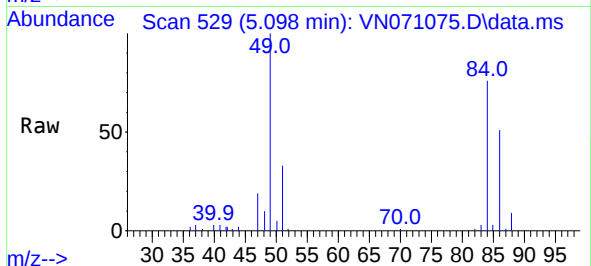


#20
Methylene Chloride
Concen: 11.491 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Instrument :
MSVOA_N
ClientSampleId :
TP-3

Tgt Ion: 84 Resp: 111983

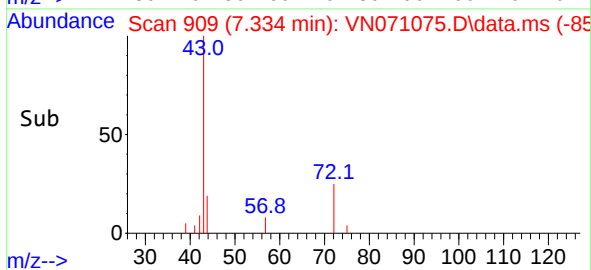
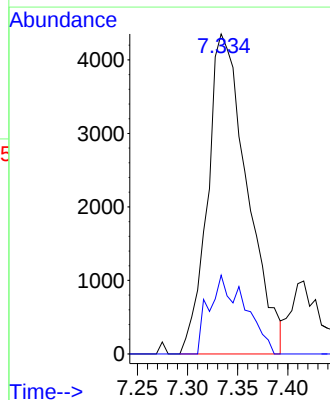
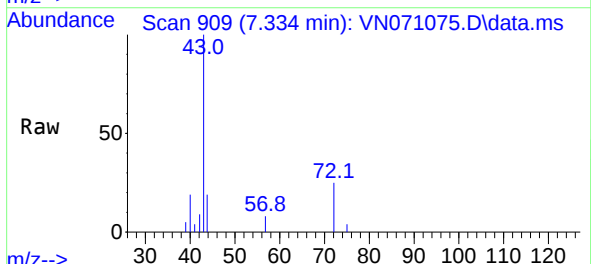
Ion	Ratio	Lower	Upper
84	100		
49	130.5	93.5	140.3
51	43.5	29.4	44.2
86	67.1	53.0	79.4

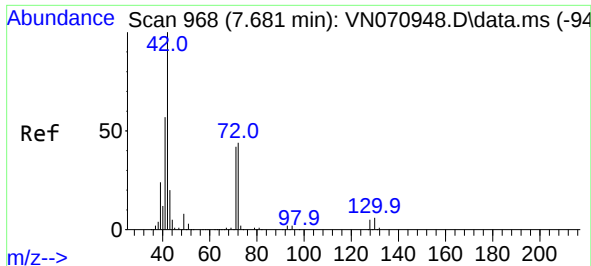


#25
2-Butanone
Concen: 1.674 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Tgt Ion: 43 Resp: 11944

Ion	Ratio	Lower	Upper
43	100		
72	24.6	21.7	32.5





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 7.686 min Scan# 9

Delta R.T. 0.006 min

Lab File: VN071075.D

Acq: 25 Feb 2022 17:22

Instrument :

MSVOA_N

ClientSampleId :

TP-3

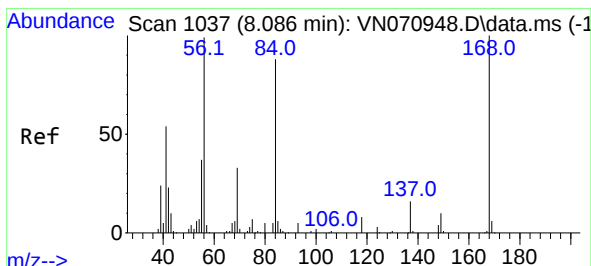
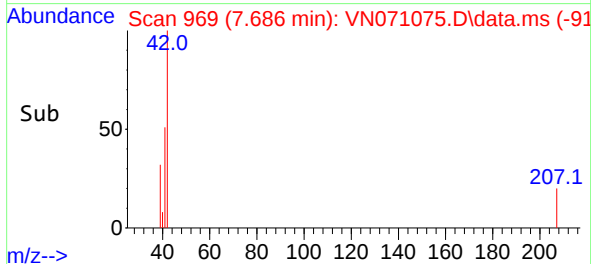
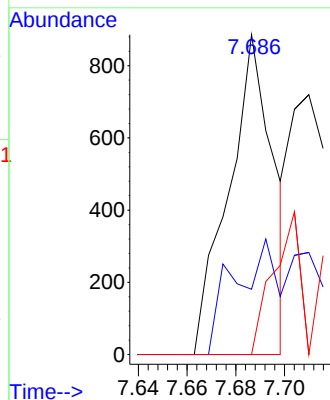
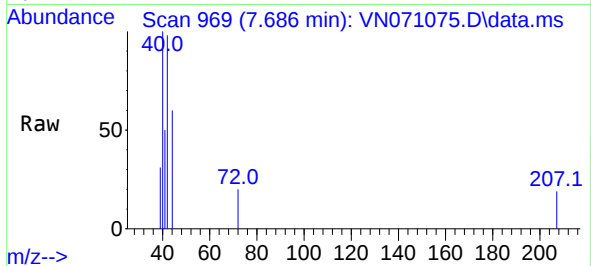
Tgt Ion: 42 Resp: 1124

Ion Ratio Lower Upper

42 100

72 34.8 36.3 54.5#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 0.996 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071075.D

Acq: 25 Feb 2022 17:22

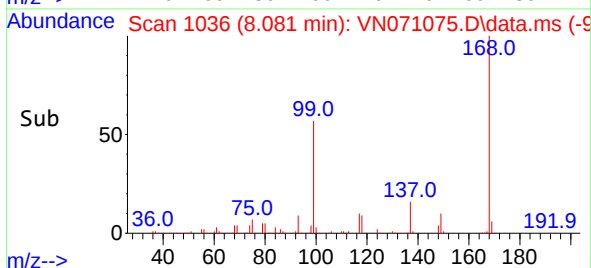
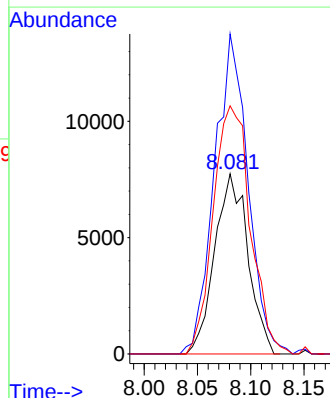
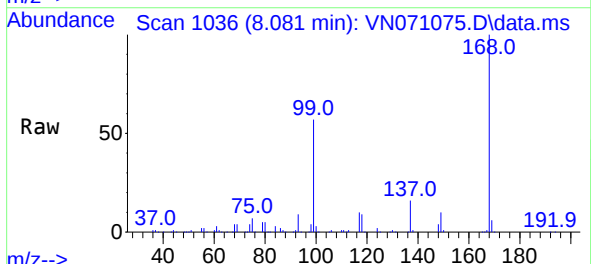
Tgt Ion: 56 Resp: 16767

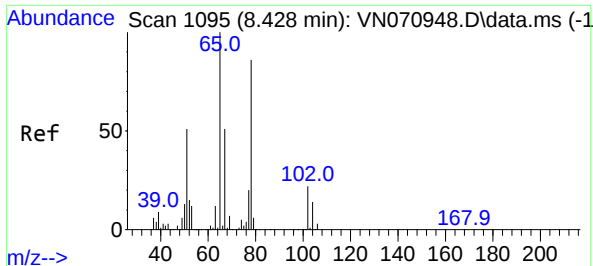
Ion Ratio Lower Upper

56 100

69 177.6 27.1 40.7#

84 137.7 73.4 110.0#





#33

1,2-Dichloroethane-d4

Concen: 52.483 ug/l

RT: 8.433 min Scan# 1095

Delta R.T. 0.006 min

Lab File: VN071075.D

Acq: 25 Feb 2022 17:22

Instrument :

MSVOA_N

ClientSampleId :

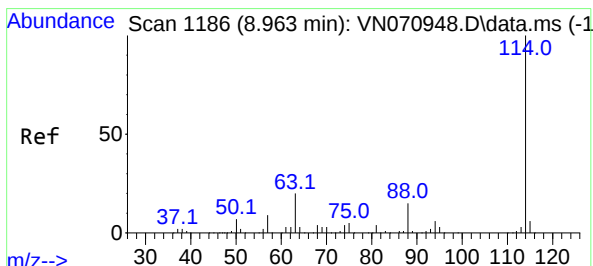
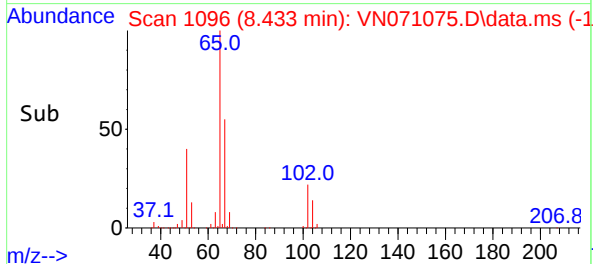
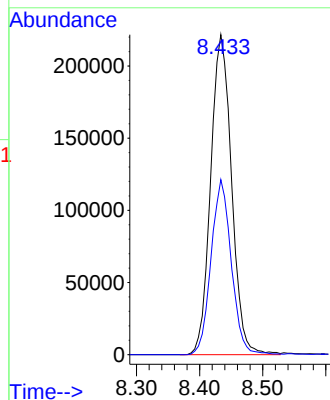
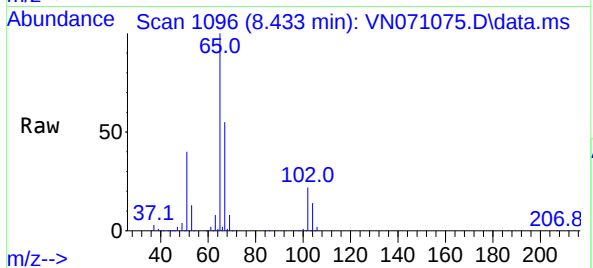
TP-3

Tgt Ion: 65 Resp: 511019

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: VN071075.D

Acq: 25 Feb 2022 17:22

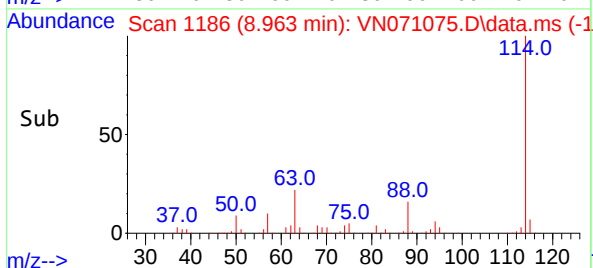
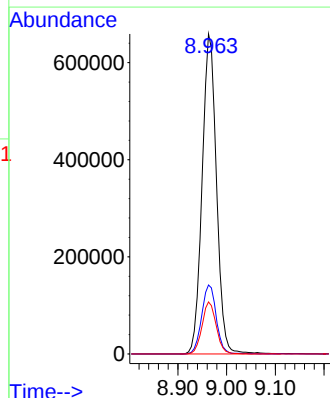
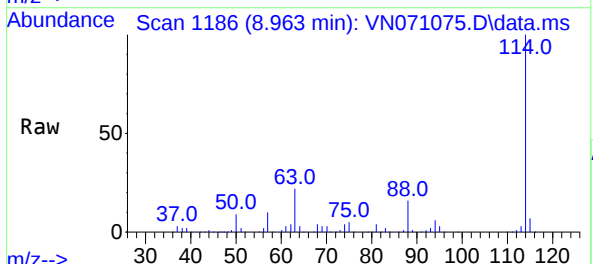
Tgt Ion: 114 Resp: 1351825

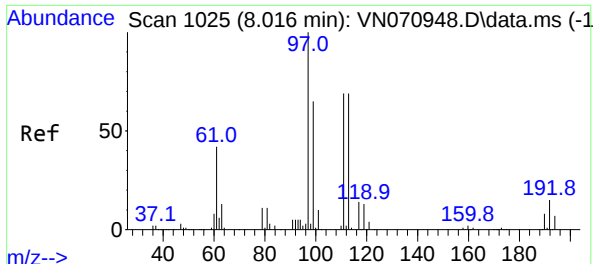
Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.8

88 16.3 0.0 27.4

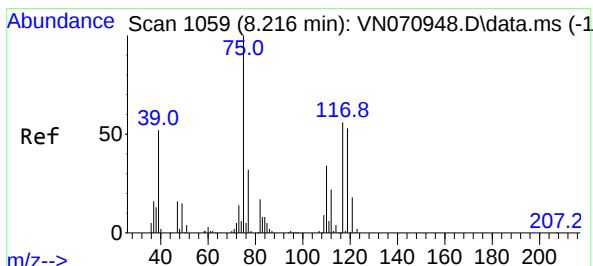
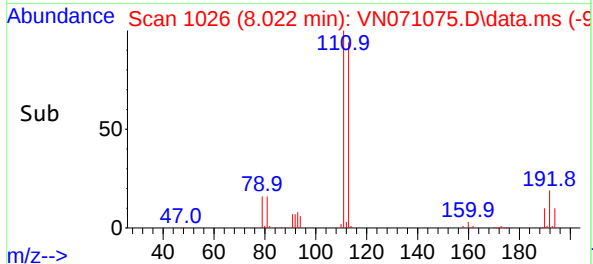
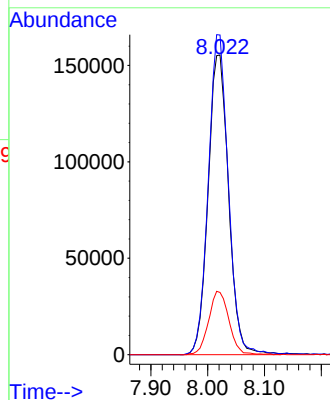
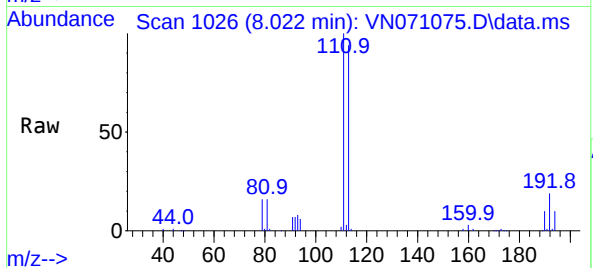




#35
Dibromofluoromethane
Concen: 48.382 ug/l
RT: 8.022 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

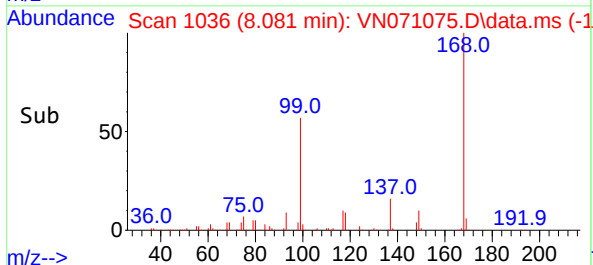
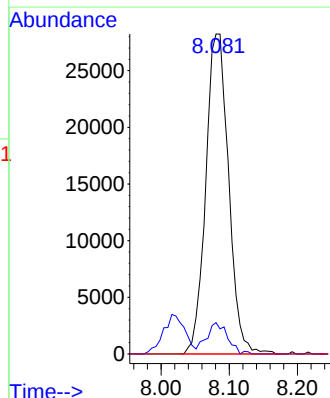
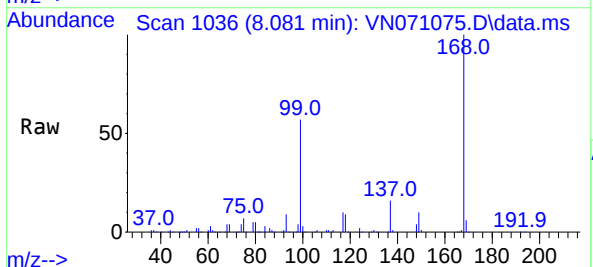
Instrument :
MSVOA_N
ClientSampleId :
TP-3

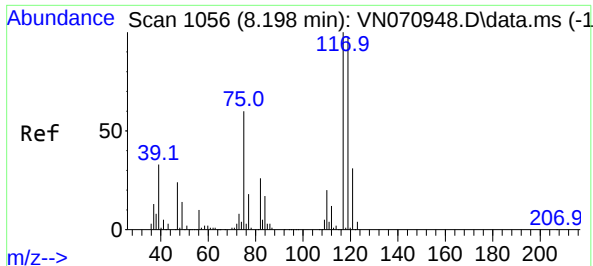
Tgt Ion:113 Resp: 389022
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.2
192 21.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.999 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Tgt Ion: 75 Resp: 65850
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#

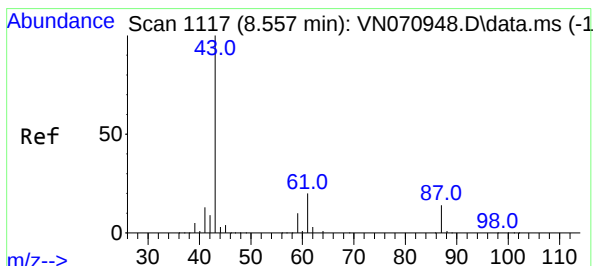
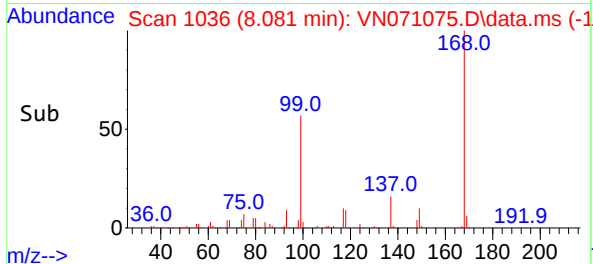
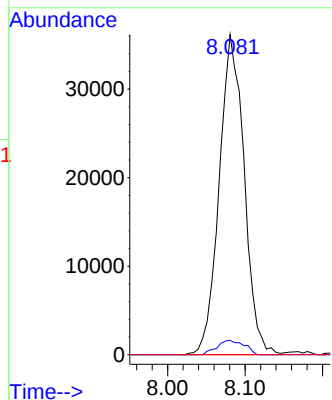
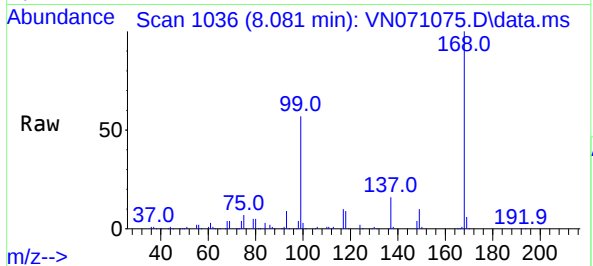




#38
Carbon Tetrachloride
Concen: 6.238 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

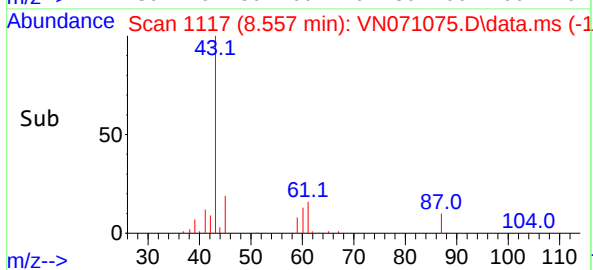
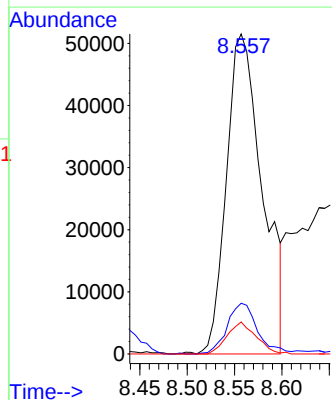
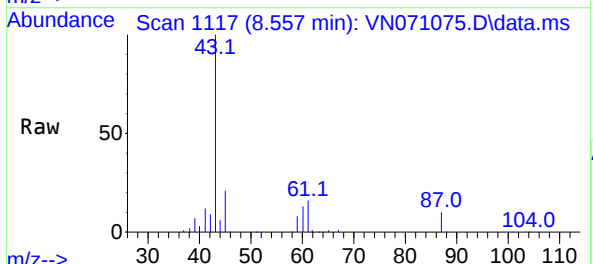
Instrument :
MSVOA_N
ClientSampleId :
TP-3

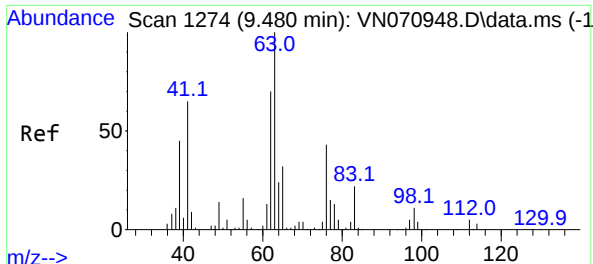
Tgt Ion:117 Resp: 80965
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 6.131 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Tgt Ion: 43 Resp: 136525
Ion Ratio Lower Upper
43 100
61 13.3 20.4 30.6#
87 8.0 11.2 16.8#

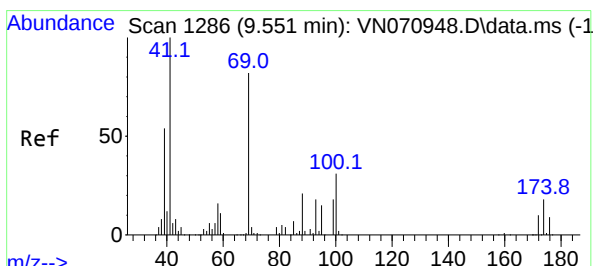
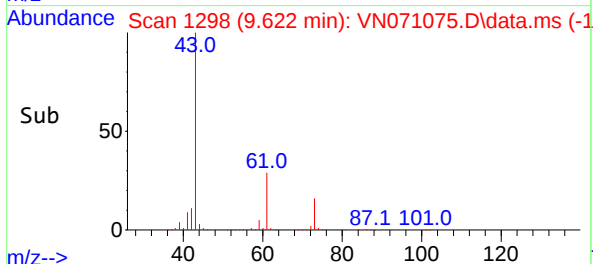
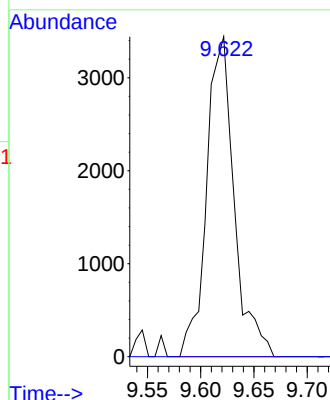
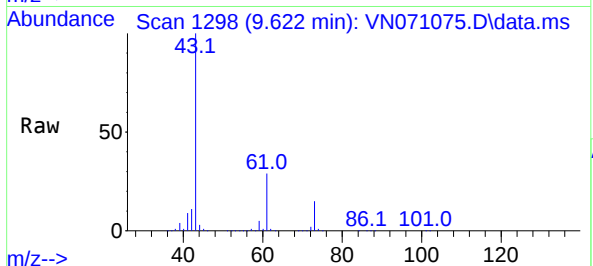




#45
1,2-Dichloropropane
Concen: 0.621 ug/l
RT: 9.622 min Scan# 11
Delta R.T. 0.141 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

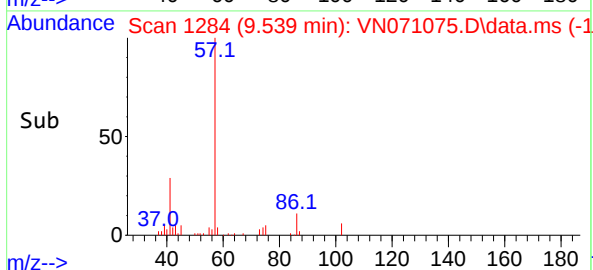
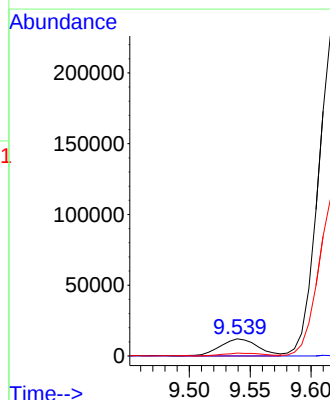
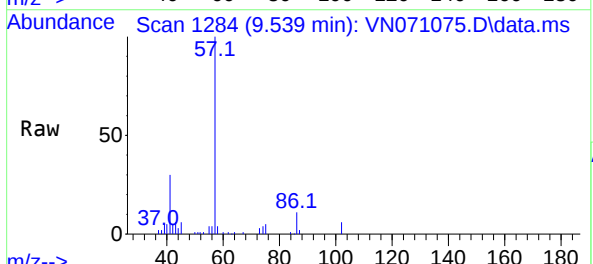
Instrument :
MSVOA_N
ClientSampleId :
TP-3

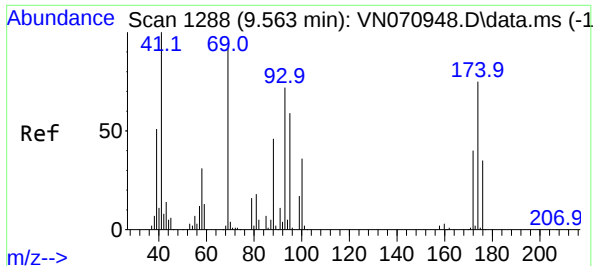
Tgt Ion: 63 Resp: 6196
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 2.485 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.012 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

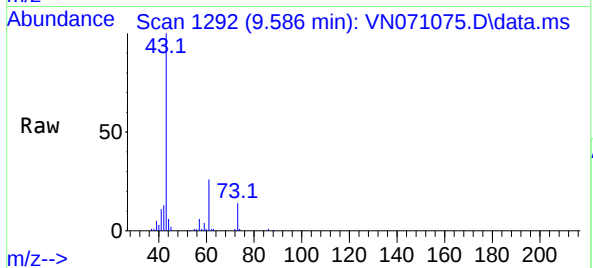
Tgt Ion: 41 Resp: 26188
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



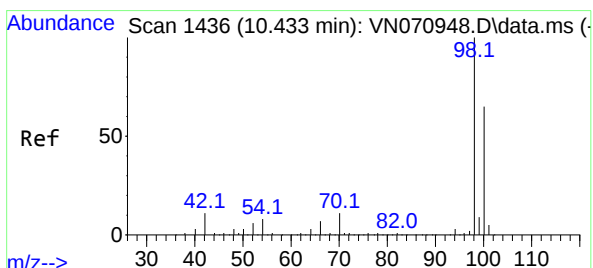
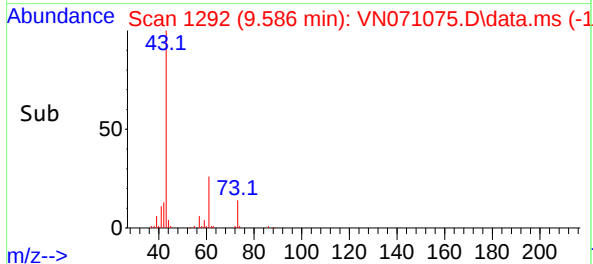
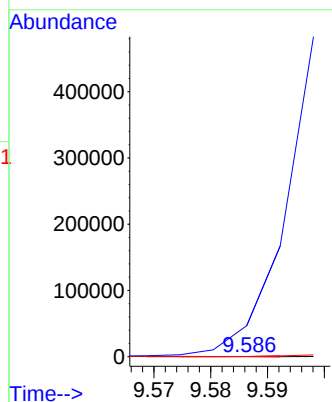


#49
1,4-Dioxane
Concen: 0.331 ug/l
RT: 9.586 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Instrument :
MSVOA_N
ClientSampleId :
TP-3

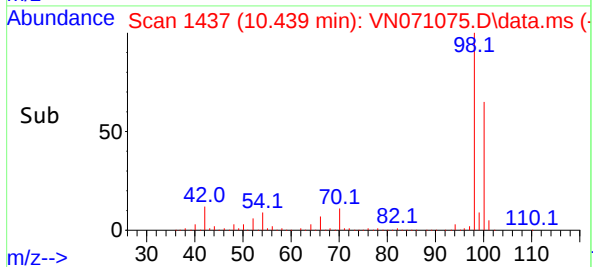
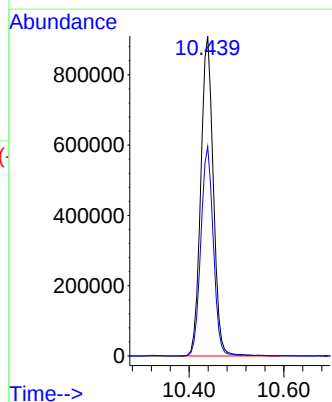
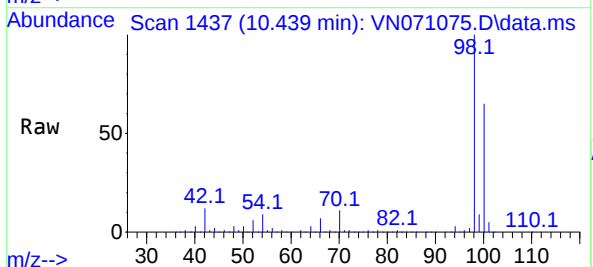


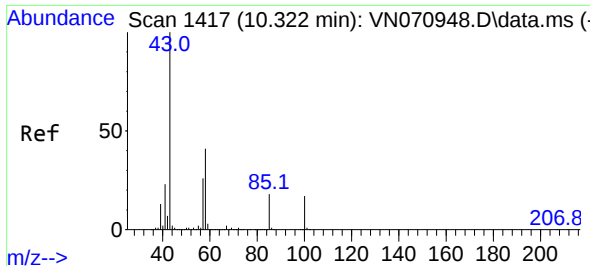
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 51.555 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Tgt Ion: 98 Resp: 1664737
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 1.614 ug/l

RT: 10.327 min Scan# 1417

Delta R.T. 0.006 min

Lab File: VN071075.D

Acq: 25 Feb 2022 17:22

Instrument :

MSVOA_N

ClientSampleId :

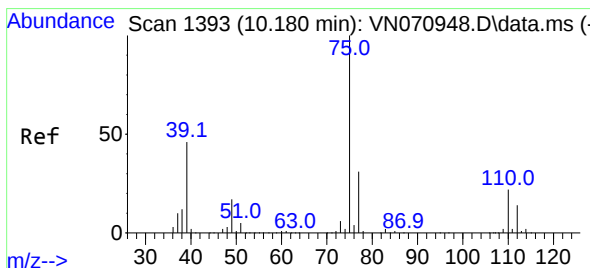
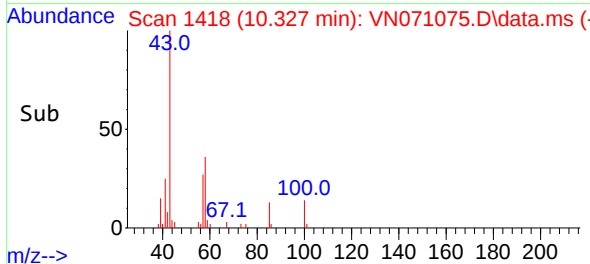
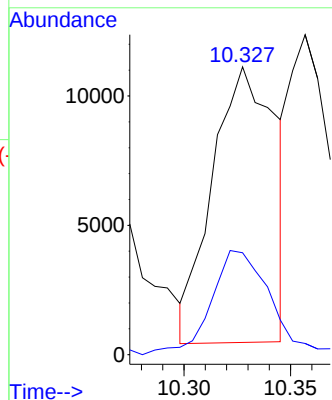
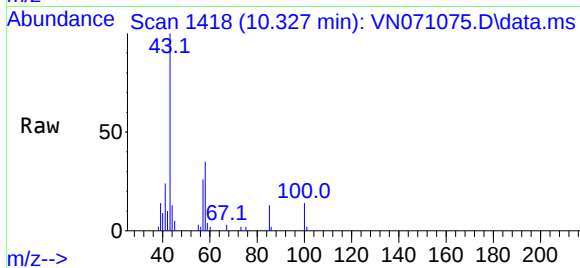
TP-3

Tgt Ion: 43 Resp: 21869

Ion Ratio Lower Upper

43 100

58 36.1 30.4 45.6



#54

cis-1,3-Dichloropropene

Concen: 8.795 ug/l

RT: 10.239 min Scan# 1403

Delta R.T. 0.059 min

Lab File: VN071075.D

Acq: 25 Feb 2022 17:22

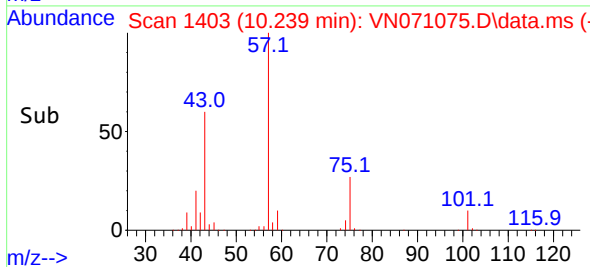
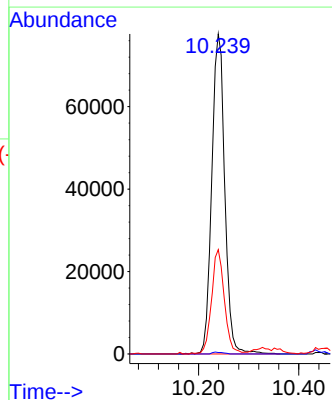
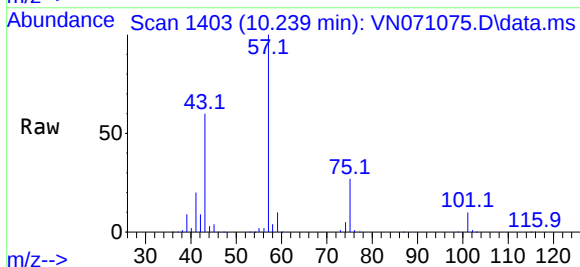
Tgt Ion: 75 Resp: 139434

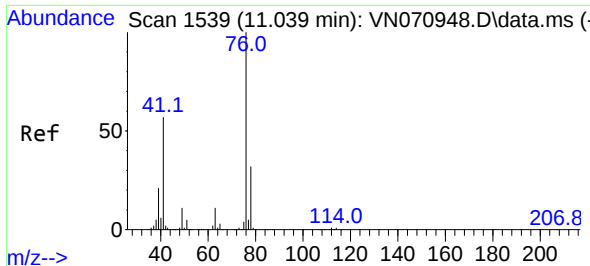
Ion Ratio Lower Upper

75 100

77 0.4 26.4 39.6#

39 32.1 42.5 63.7#





#57

1,3-Dichloropropane

Concen: 4.492 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.047 min

Lab File: VN071075.D

Acq: 25 Feb 2022 17:22

Instrument :

MSVOA_N

ClientSampleId :

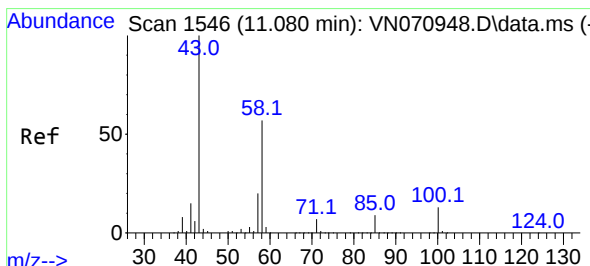
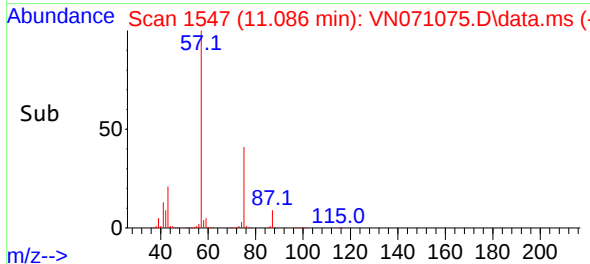
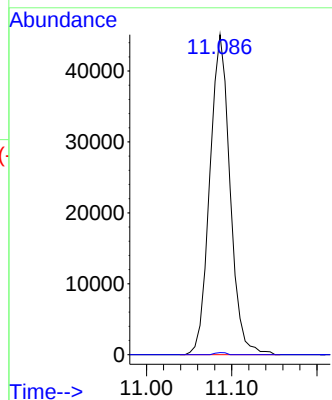
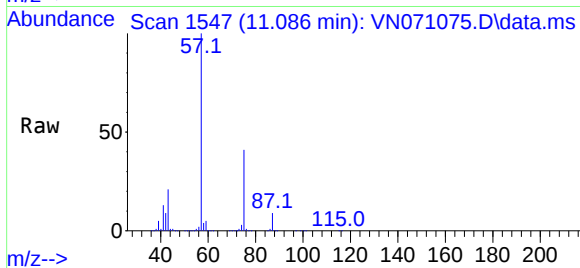
TP-3

Tgt Ion: 76 Resp: 74462

Ion Ratio Lower Upper

76 100

78 0.4 25.7 38.5#



#59

2-Hexanone

Concen: 124.859 ug/l

RT: 11.086 min Scan# 1547

Delta R.T. 0.006 min

Lab File: VN071075.D

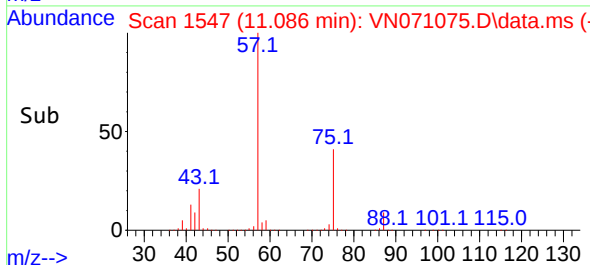
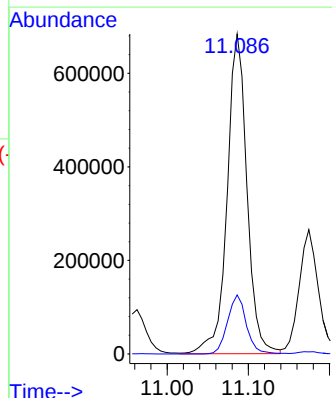
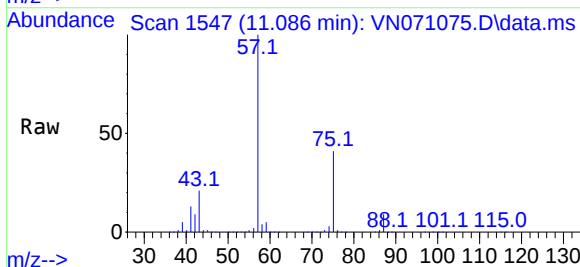
Acq: 25 Feb 2022 17:22

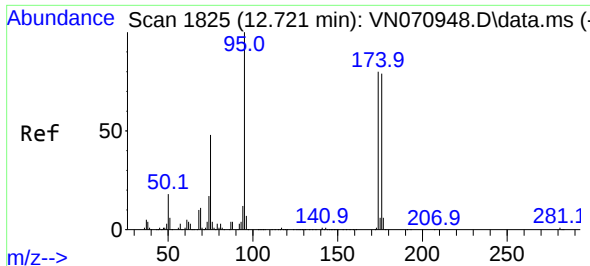
Tgt Ion: 43 Resp: 1163468

Ion Ratio Lower Upper

43 100

58 17.5 26.9 80.7#

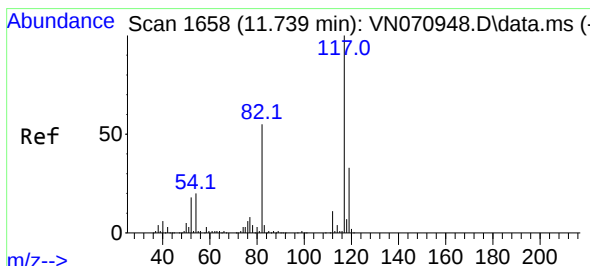
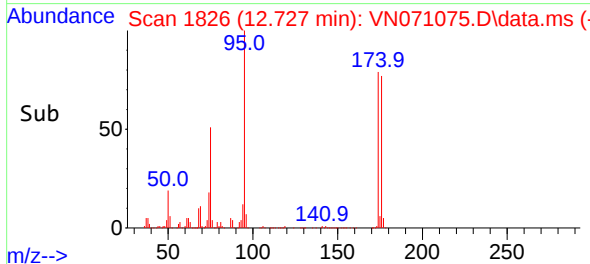
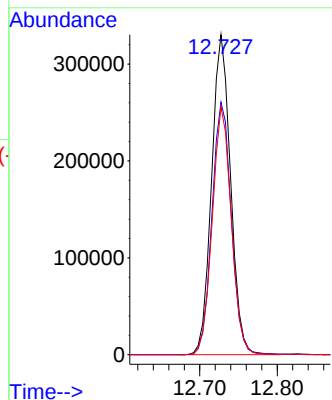
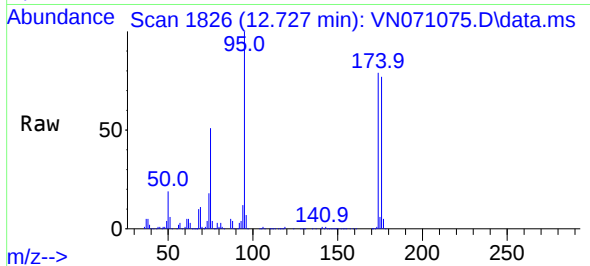




#62
4-Bromofluorobenzene
Concen: 48.670 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

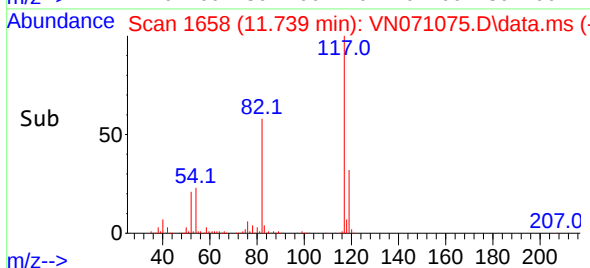
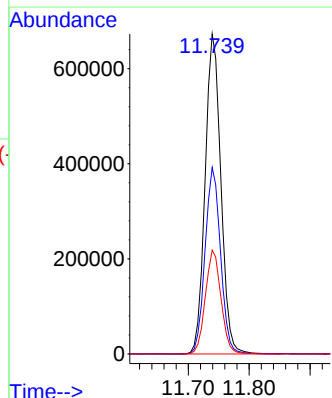
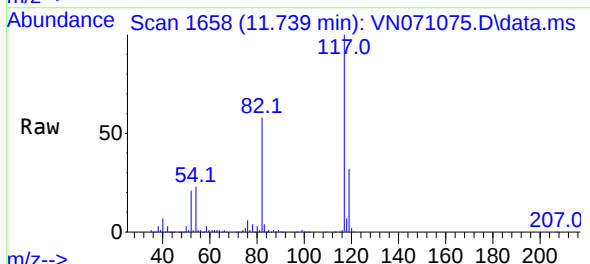
Instrument :
MSVOA_N
ClientSampleId :
TP-3

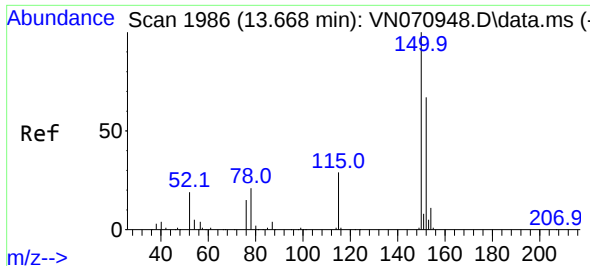
Tgt Ion: 95 Resp: 561757
Ion Ratio Lower Upper
95 100
174 80.7 0.0 187.2
176 77.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Tgt Ion: 117 Resp: 1211613
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 32.5 25.4 38.2

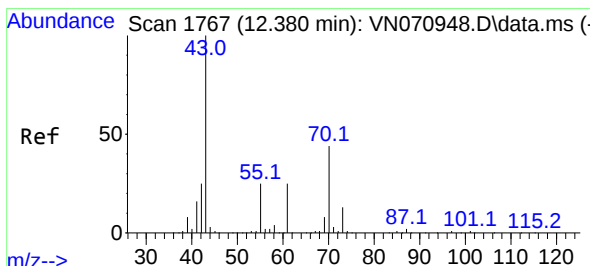
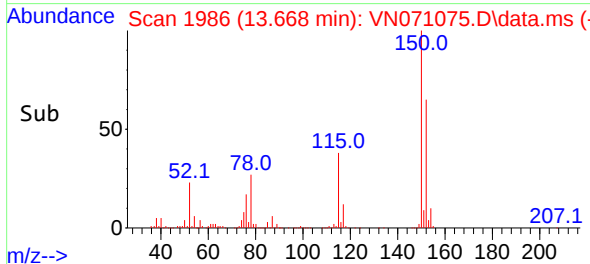
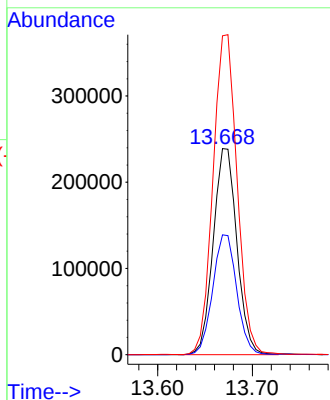
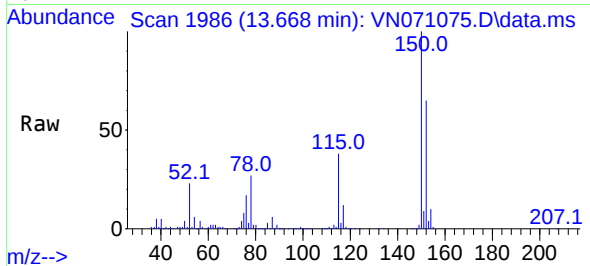




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

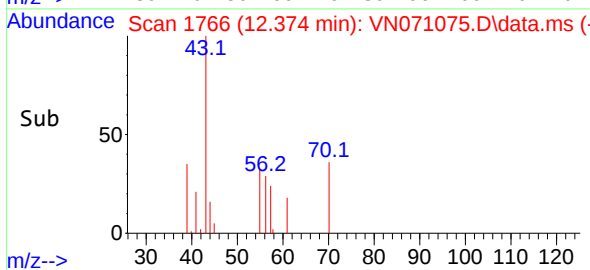
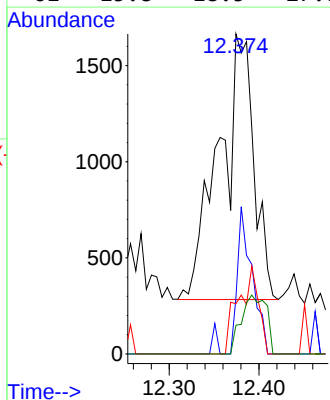
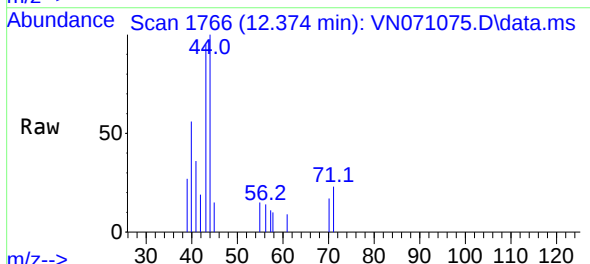
Instrument :
MSVOA_N
ClientSampleId :
TP-3

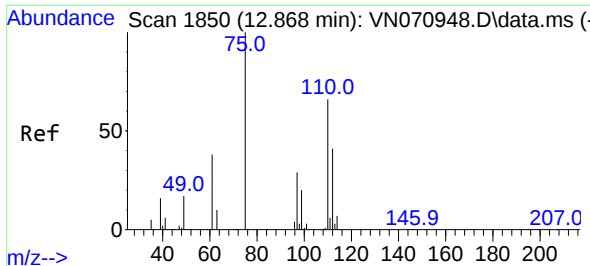
Tgt Ion:152 Resp: 415556
Ion Ratio Lower Upper
152 100
115 59.2 27.5 82.5
150 158.0 0.0 344.4



#74
N-ethyl acetate
Concen: 0.349 ug/l
RT: 12.374 min Scan# 1766
Delta R.T. -0.006 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Tgt Ion: 43 Resp: 3731
Ion Ratio Lower Upper
43 100
70 23.5 33.4 50.0#
55 19.2 19.3 28.9#
61 15.8 18.5 27.7#

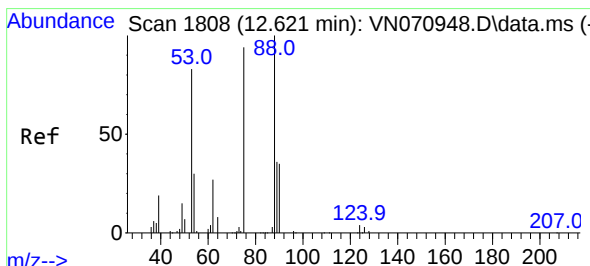
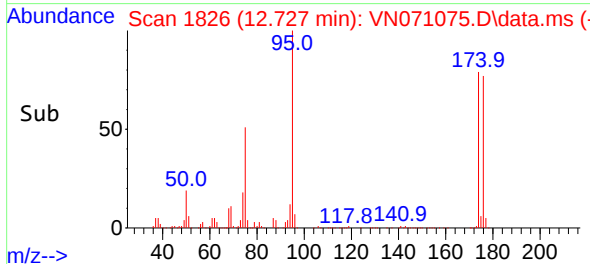
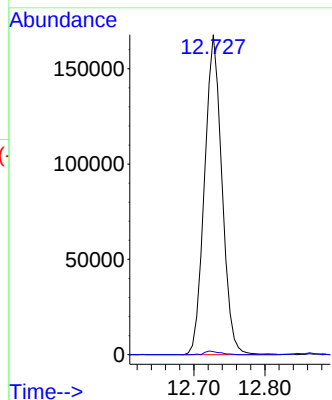
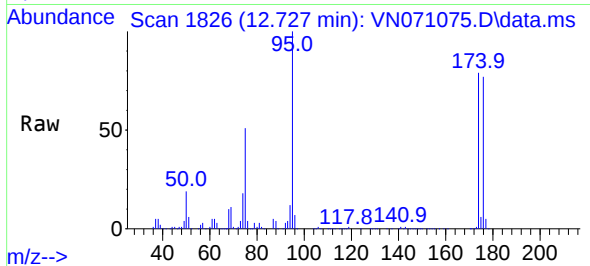




#76
1,2,3-Trichloropropane
Concen: 29.266 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

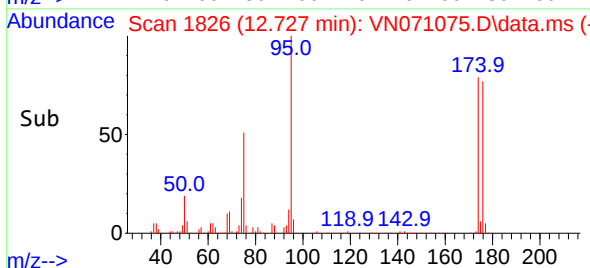
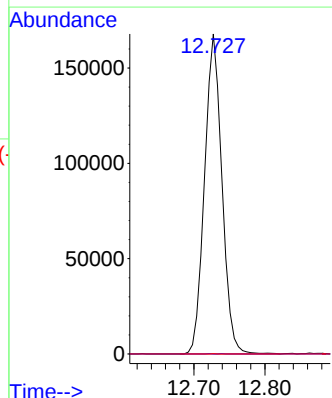
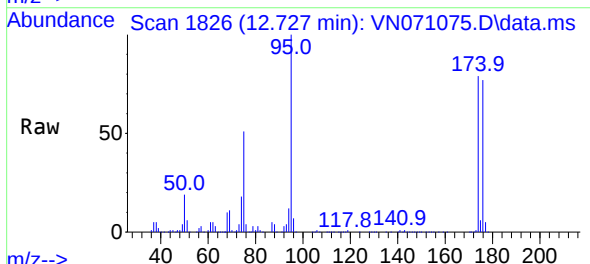
Instrument :
MSVOA_N
ClientSampleId :
TP-3

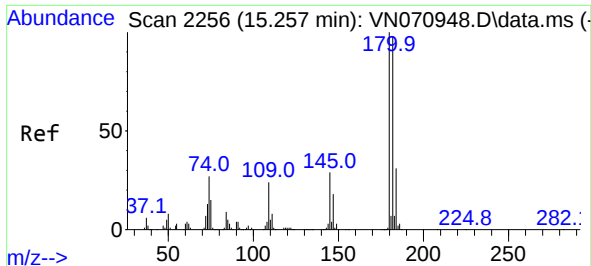
Tgt Ion: 75 Resp: 286348
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.835 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071075.D
Acq: 25 Feb 2022 17:22

Tgt Ion: 75 Resp: 286348
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: 2.215 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN071075.D

Acq: 25 Feb 2022 17:22

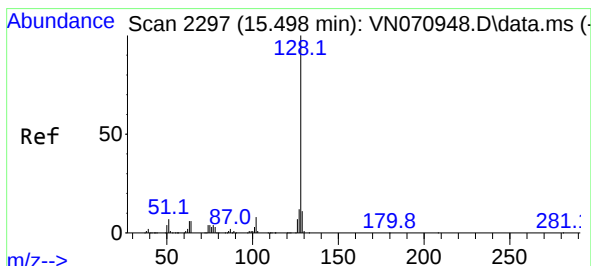
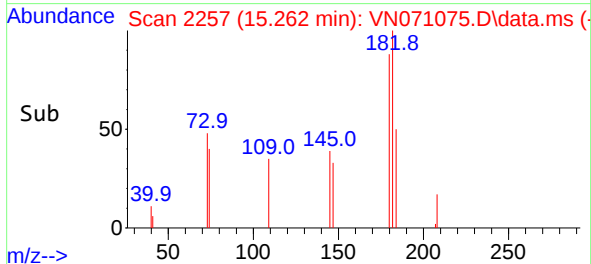
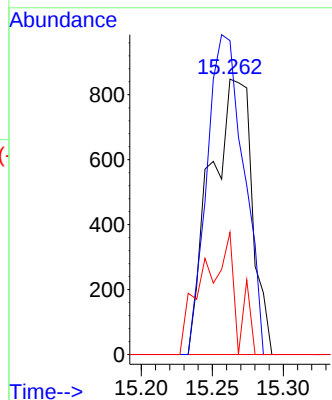
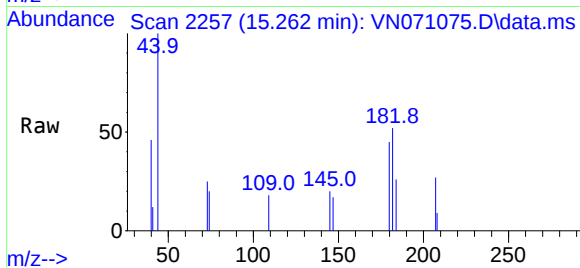
Instrument :

MSVOA_N

ClientSampleId :

TP-3

Tgt Ion:	180	Resp:	1724
Ion	Ratio	Lower	Upper
180	100		
182	102.9	48.3	144.9
145	35.7	14.5	43.5



#95

Naphthalene

Concen: 5.325 ug/l

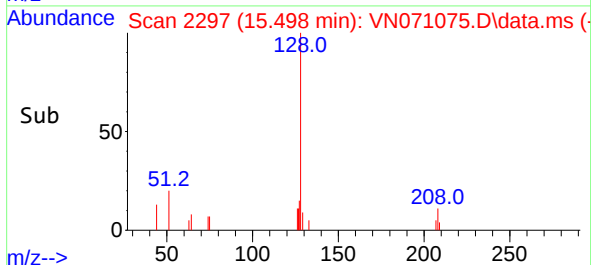
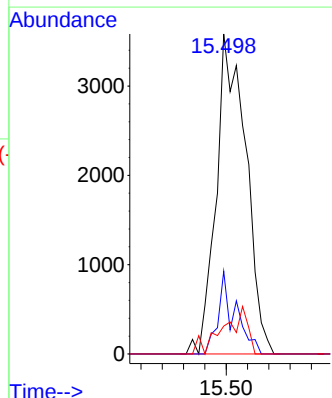
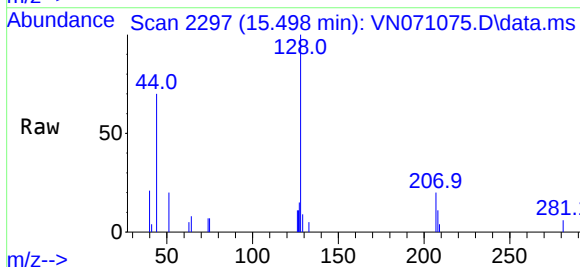
RT: 15.498 min Scan# 2297

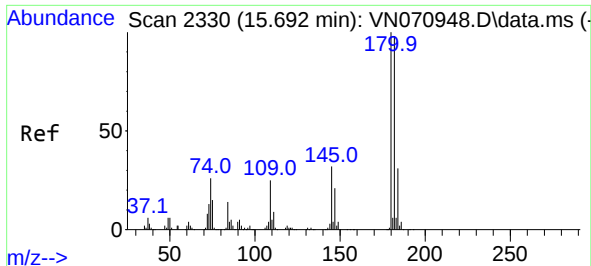
Delta R.T. -0.000 min

Lab File: VN071075.D

Acq: 25 Feb 2022 17:22

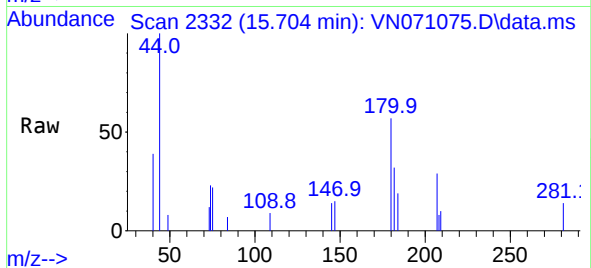
Tgt Ion:	128	Resp:	6914
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.5	15.7
129	12.2	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.819 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN071075.D
 Acq: 25 Feb 2022 17:22

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-3



Tgt Ion:	180	Resp:	2248
Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.4	142.2
145	35.9	15.0	45.1

