

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
 Data File : VN071076.D
 Acq On : 25 Feb 2022 17:46
 Operator : JC\MD
 Sample : N1664-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Feb 26 03:43:59 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)

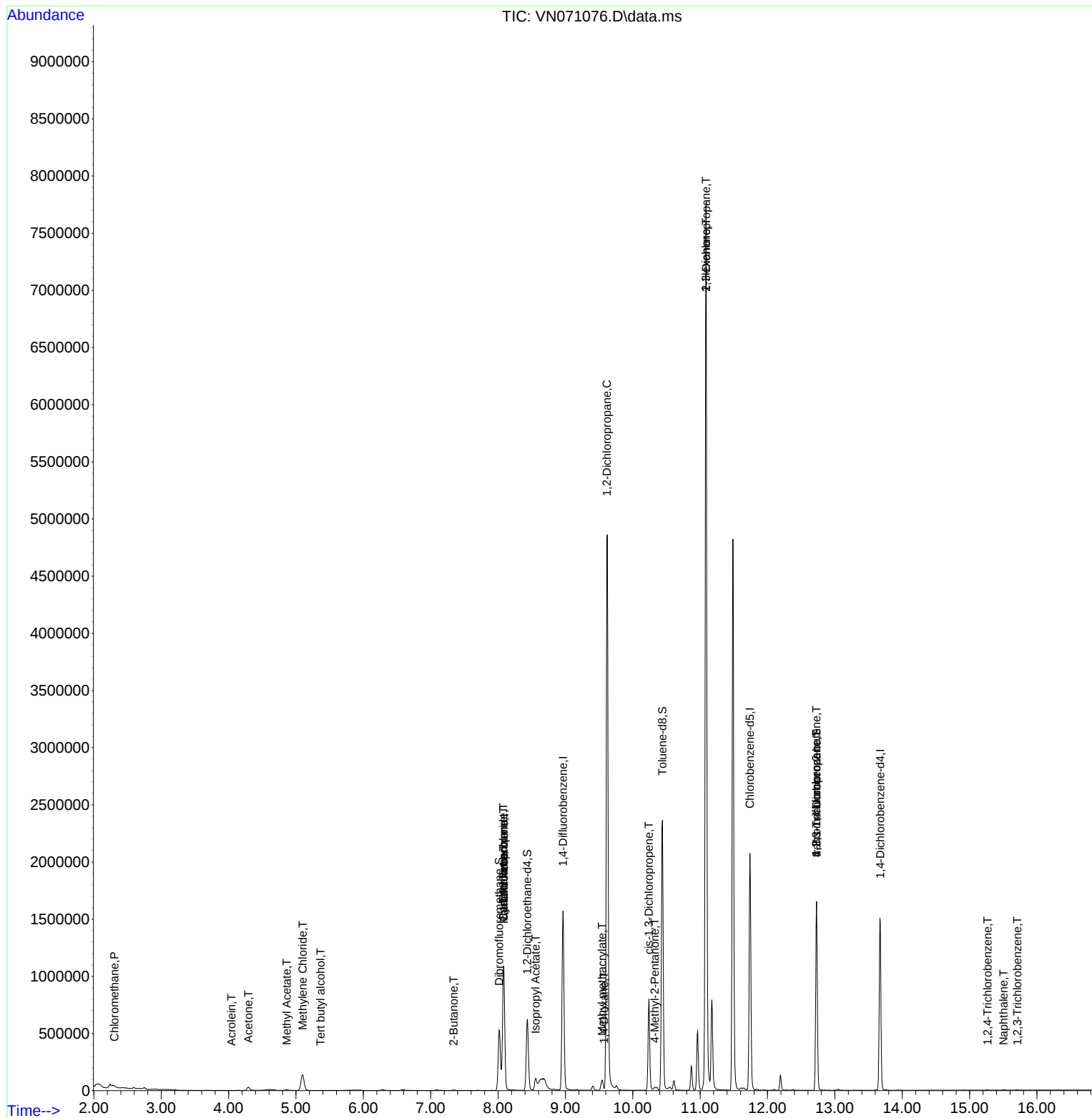
Internal Standards						
1) Pentafluorobenzene	8.086	168	850267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1374088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1201686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	421695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	508889	52.394	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.780%			
35) Dibromofluoromethane	8.016	113	391699	47.926	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.860%			
50) Toluene-d8	10.439	98	1664196	50.703	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.400%			
62) 4-Bromofluorobenzene	12.727	95	564812	48.142	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.280%			
Target Compounds						Qvalue
3) Chloromethane	2.304	50	3346	0.301	ug/l	98
11) Tert butyl alcohol	5.363	59	442	0.250	ug/l #	71
13) Acrolein	4.040	56	455	0.288	ug/l #	78
16) Acetone	4.293	43	51519	9.631	ug/l	94
18) Methyl Acetate	4.863	43	19207	1.050	ug/l	96
20) Methylene Chloride	5.098	84	110871	11.405	ug/l	93
25) 2-Butanone	7.339	43	11392	1.601	ug/l #	80
31) Cyclohexane	8.081	56	17157	1.021	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	65190	4.868	ug/l #	49
38) Carbon Tetrachloride	8.081	117	80993	6.139	ug/l #	16
43) Isopropyl Acetate	8.557	43	129195	5.708	ug/l #	82
45) 1,2-Dichloropropane	9.616	63	7010	0.691	ug/l #	44
48) Methyl methacrylate	9.545	41	25467	2.377	ug/l #	8
49) 1,4-Dioxane	9.575	88	61	0.321	ug/l #	27
51) 4-Methyl-2-Pentanone	10.327	43	17468	1.268	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	141220	8.764	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	79879	4.740	ug/l #	43
59) 2-Hexanone	11.086	43	1257609	132.775	ug/l #	49
76) 1,2,3-Trichloropropane	12.727	75	285904	28.795	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	285904	93.310	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	1367	2.168	ug/l	97
95) Naphthalene	15.504	128	4478	5.203	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.709	180	1454	2.709	ug/l	95

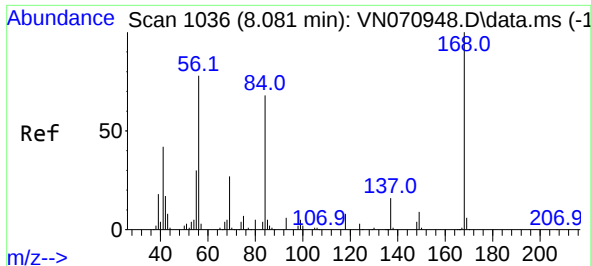
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022522\
Data File : VN071076.D
Acq On : 25 Feb 2022 17:46
Operator : JC\MD
Sample : N1664-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-4

Quant Time: Feb 26 03:43:59 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

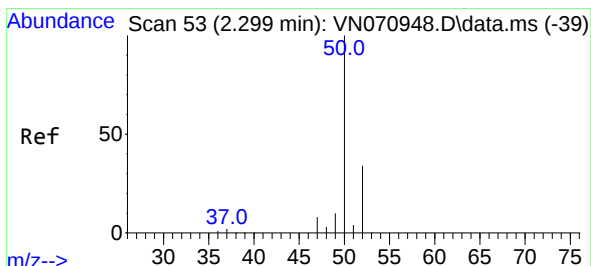
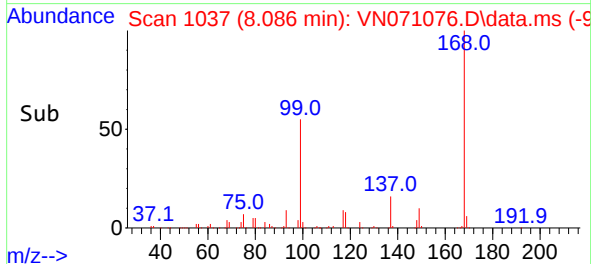
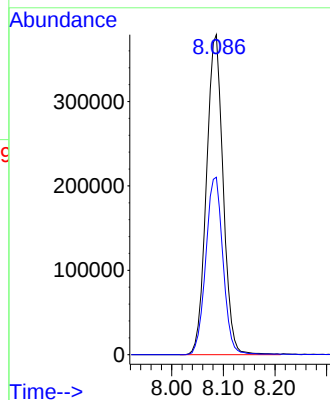
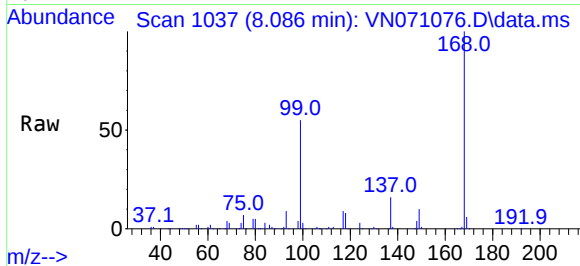




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

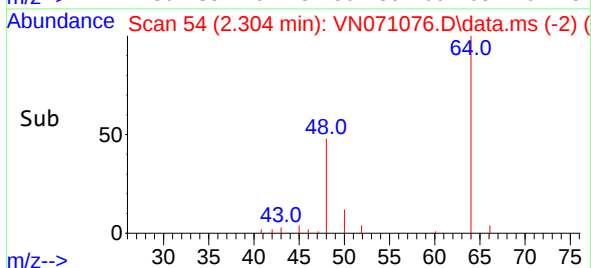
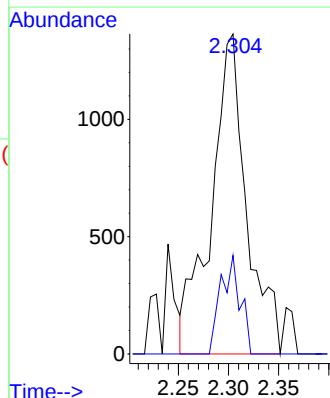
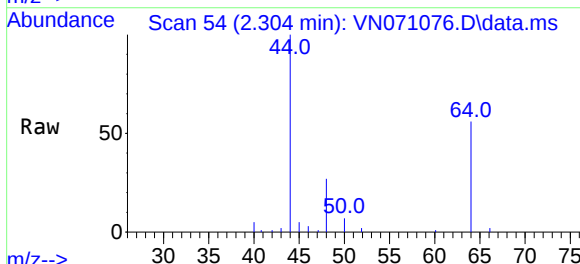
Instrument :
MSVOA_N
ClientSampleId :
TP-4

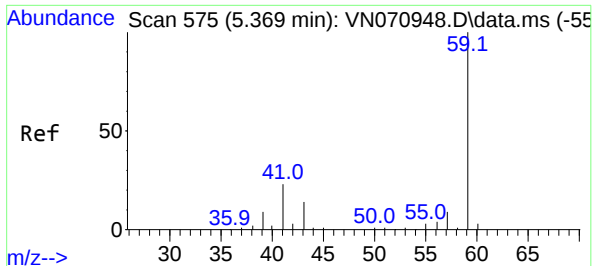
Tgt Ion:168 Resp: 850267
Ion Ratio Lower Upper
168 100
99 55.5 41.3 61.9



#3
Chloromethane
Concen: 0.301 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion: 50 Resp: 3346
Ion Ratio Lower Upper
50 100
52 30.8 25.4 38.0

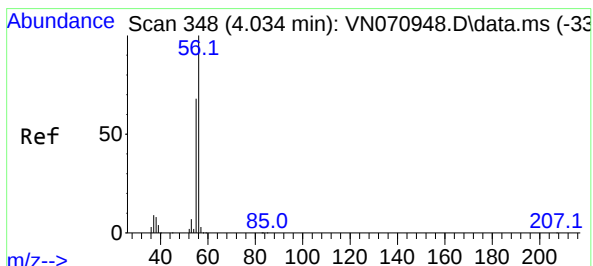
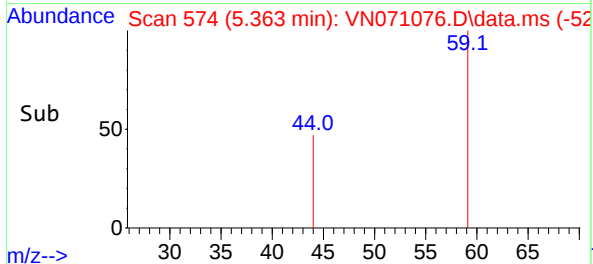
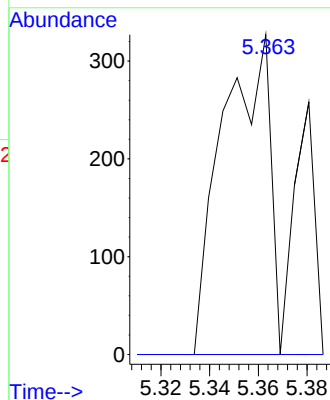
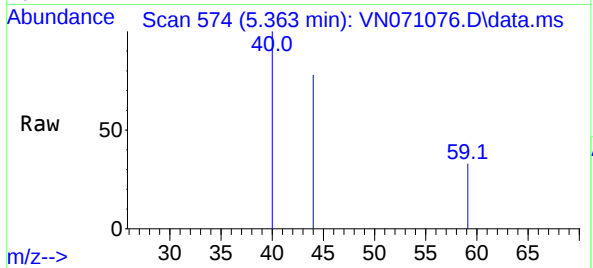




#11
Tert butyl alcohol
Concen: 0.250 ug/l
RT: 5.363 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

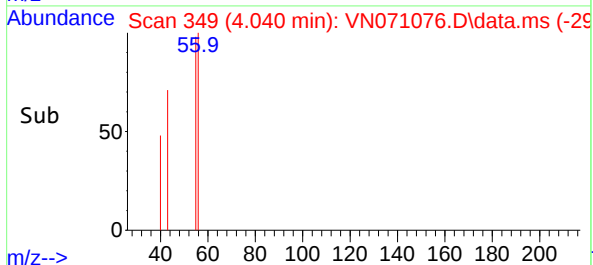
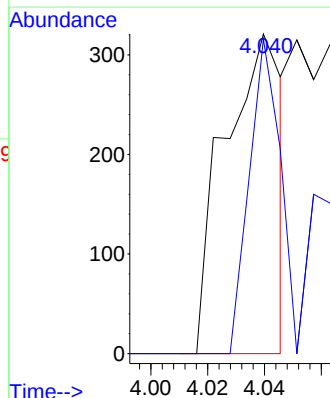
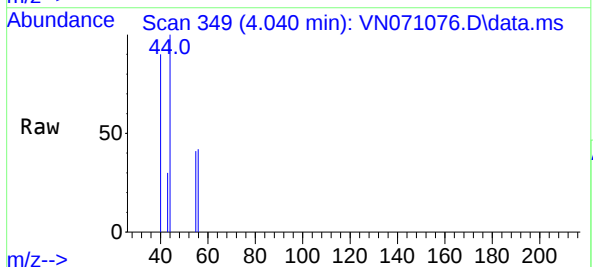
Instrument :
MSVOA_N
ClientSampleId :
TP-4

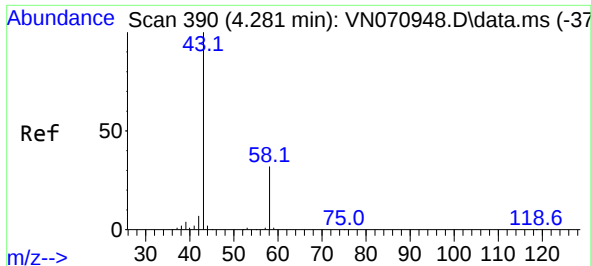
Tgt Ion: 59 Resp: 442
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.288 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.006 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion: 56 Resp: 455
Ion Ratio Lower Upper
56 100
55 52.5 56.6 85.0#

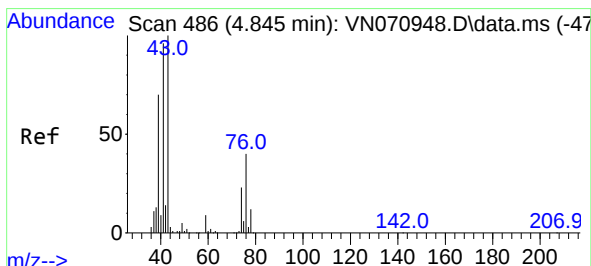
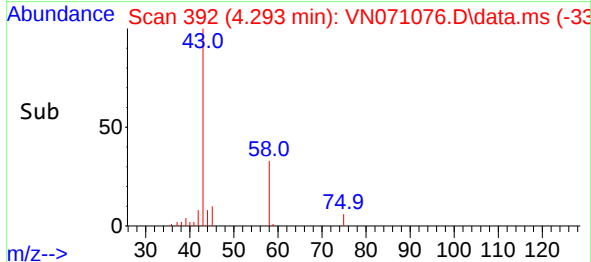
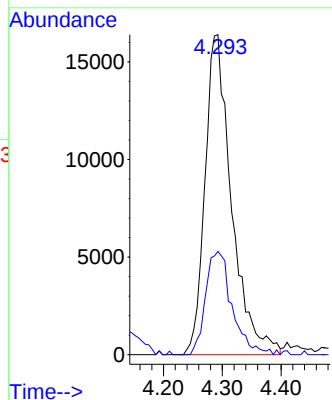
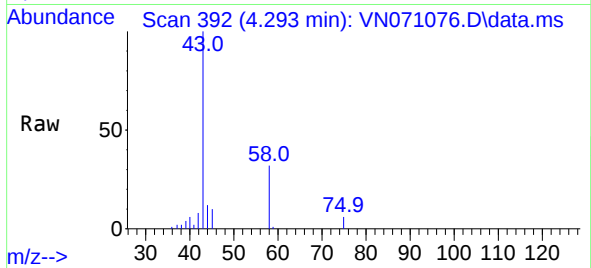




#16
Acetone
Concen: 9.631 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

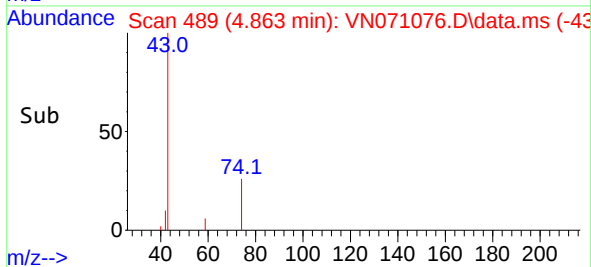
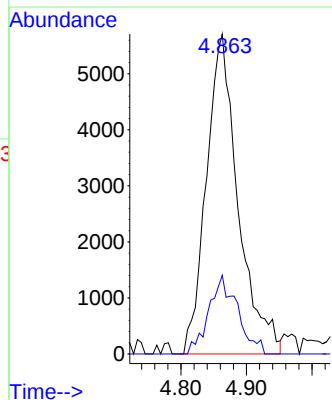
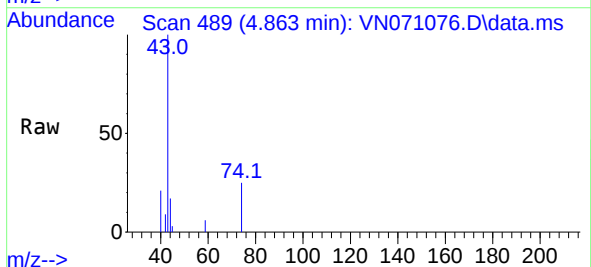
Instrument :
MSVOA_N
ClientSampleId :
TP-4

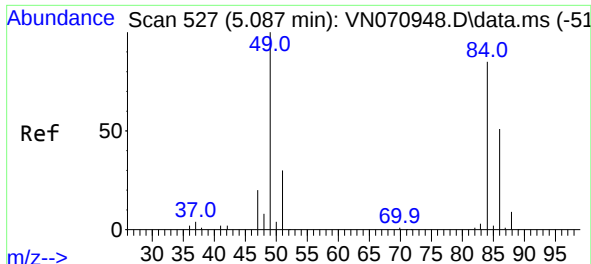
Tgt Ion: 43 Resp: 51519
Ion Ratio Lower Upper
43 100
58 32.3 23.1 34.7



#18
Methyl Acetate
Concen: 1.050 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.018 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion: 43 Resp: 19207
Ion Ratio Lower Upper
43 100
74 22.2 19.4 29.2



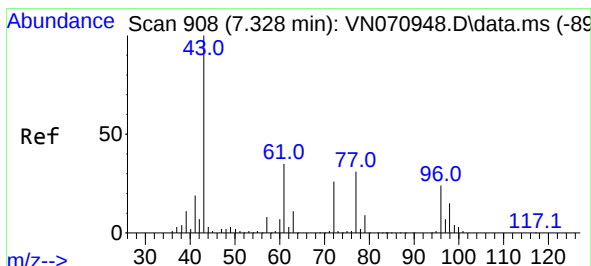
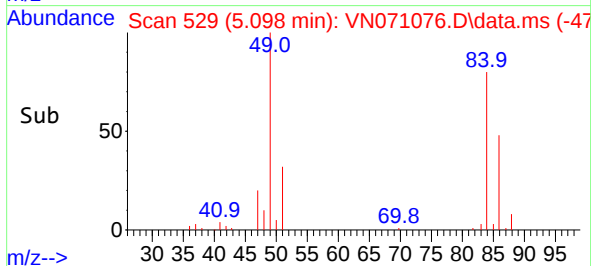
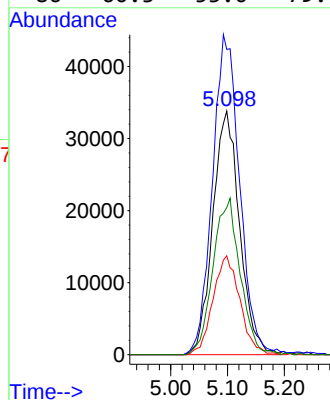
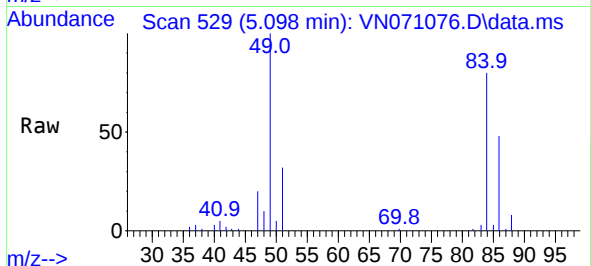


#20
Methylene Chloride
Concen: 11.405 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Instrument :
MSVOA_N
ClientSampleId :
TP-4

Tgt Ion: 84 Resp: 110871

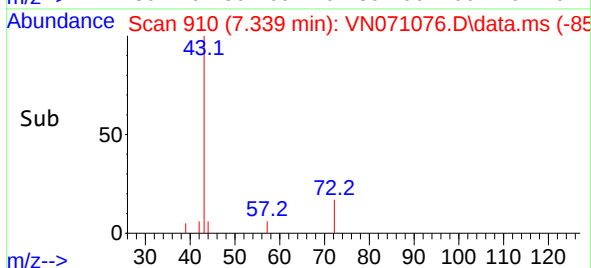
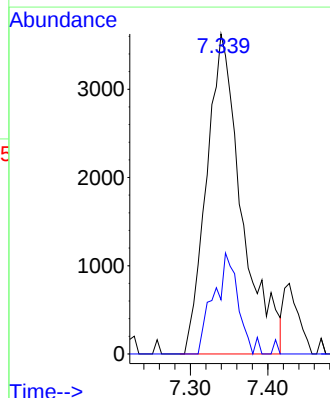
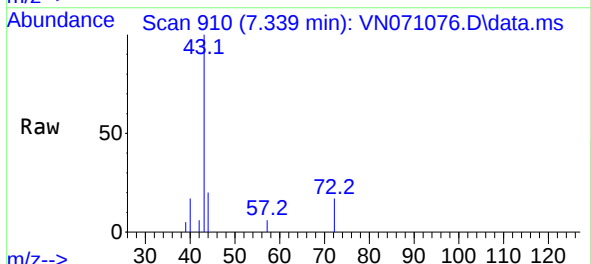
Ion	Ratio	Lower	Upper
84	100		
49	125.3	93.5	140.3
51	40.5	29.4	44.2
86	60.3	53.0	79.4

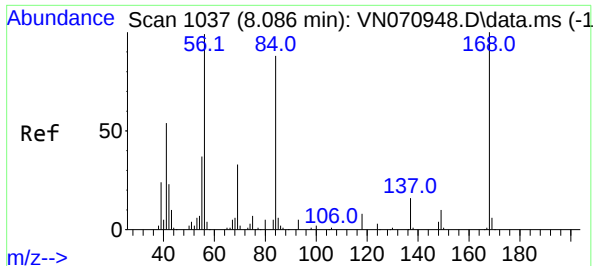


#25
2-Butanone
Concen: 1.601 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion: 43 Resp: 11392

Ion	Ratio	Lower	Upper
43	100		
72	16.9	21.7	32.5#





#31

Cyclohexane

Concen: 1.021 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071076.D

Acq: 25 Feb 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

TP-4

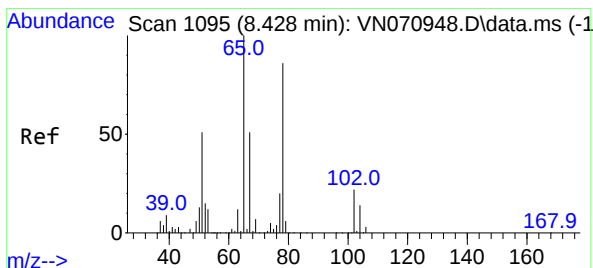
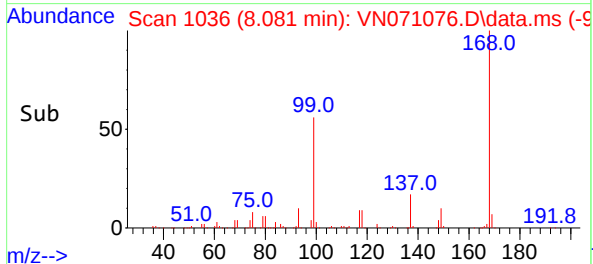
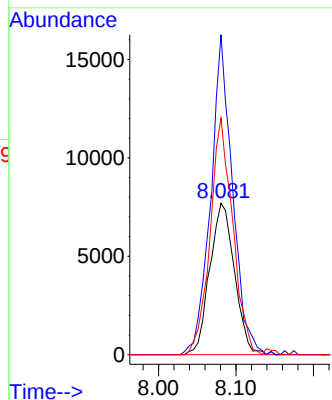
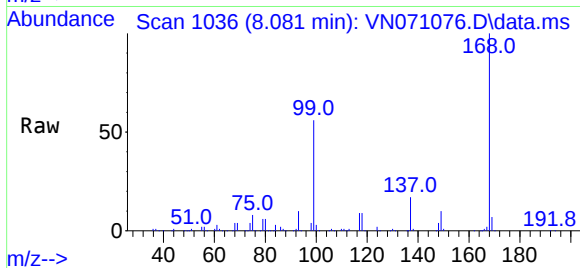
Tgt Ion: 56 Resp: 17157

Ion Ratio Lower Upper

56 100

69 211.4 27.1 40.7#

84 156.4 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 52.394 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. 0.006 min

Lab File: VN071076.D

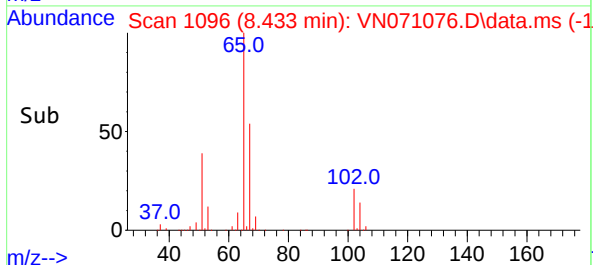
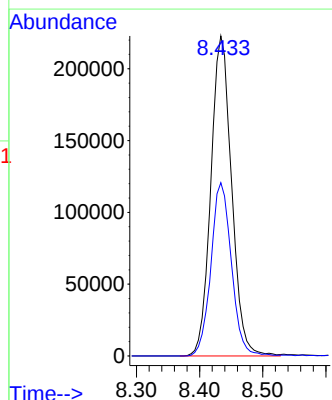
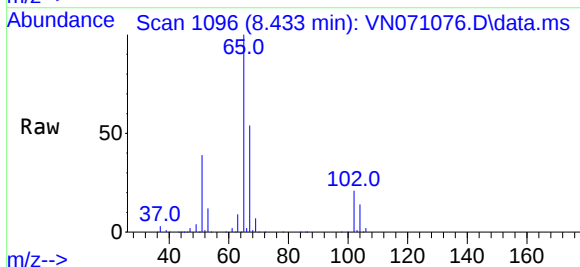
Acq: 25 Feb 2022 17:46

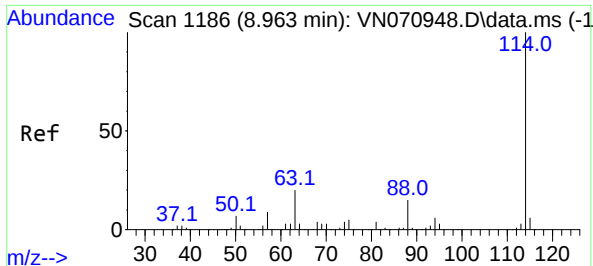
Tgt Ion: 65 Resp: 508889

Ion Ratio Lower Upper

65 100

67 53.4 0.0 103.0

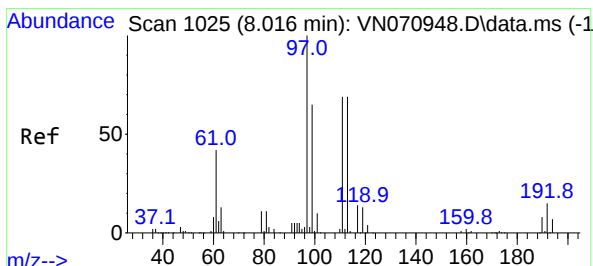
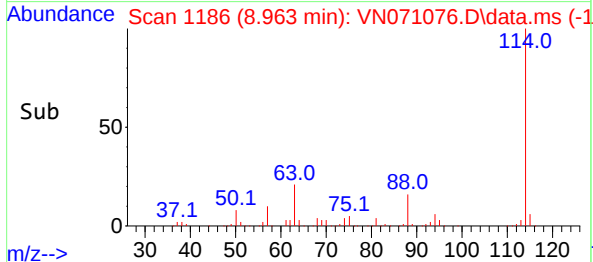
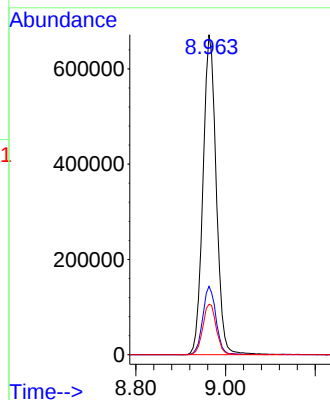
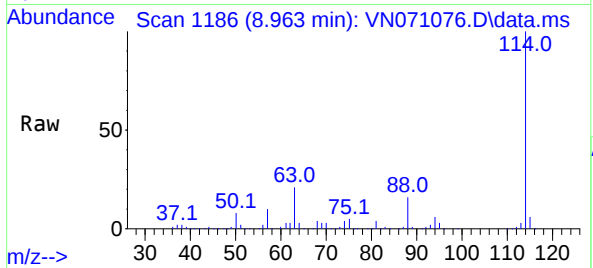




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

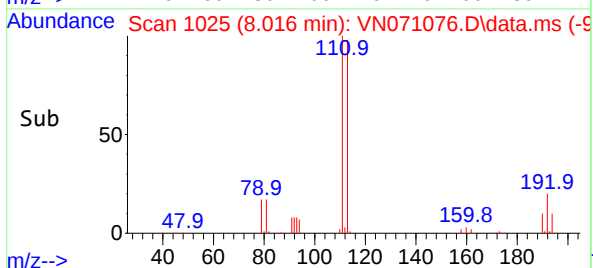
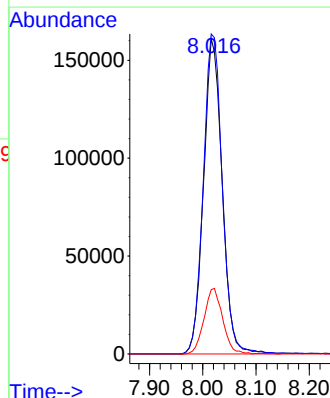
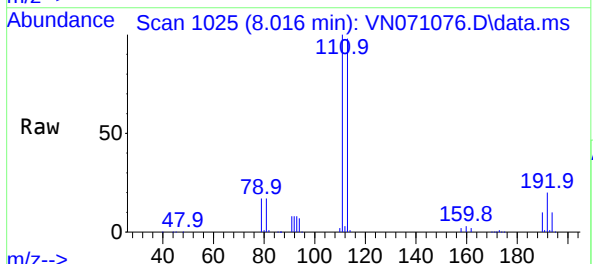
Instrument :
MSVOA_N
ClientSampleId :
TP-4

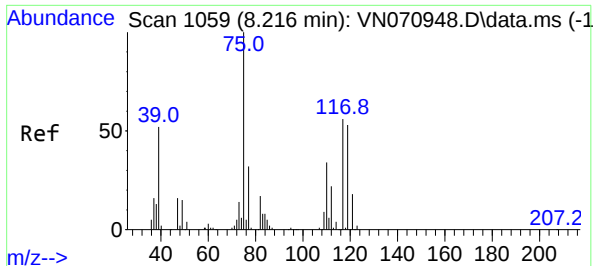
Tgt Ion:114 Resp: 1374088
Ion Ratio Lower Upper
114 100
63 21.4 0.0 37.8
88 15.7 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.926 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion:113 Resp: 391699
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 20.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.868 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071076.D

Acq: 25 Feb 2022 17:46

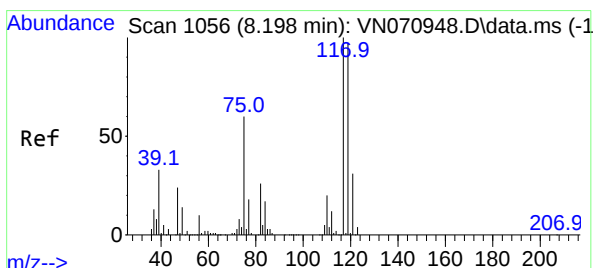
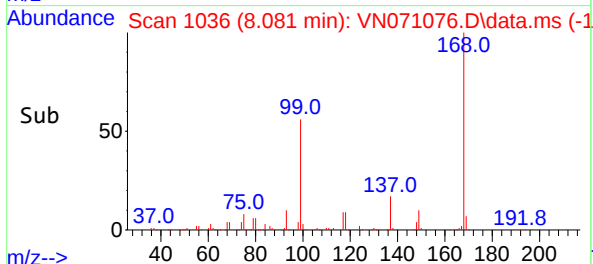
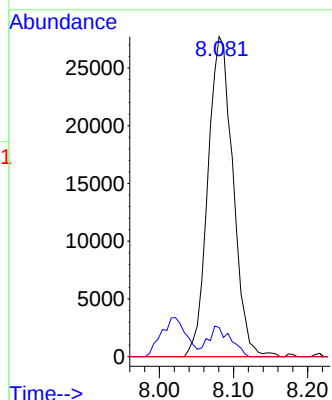
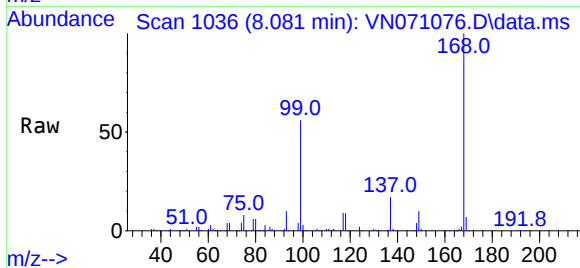
Instrument :

MSVOA_N

ClientSampleId :

TP-4

Tgt Ion:	75	Resp:	65190
Ion Ratio	Lower	Upper	
75	100		
110	8.6	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.139 ug/l

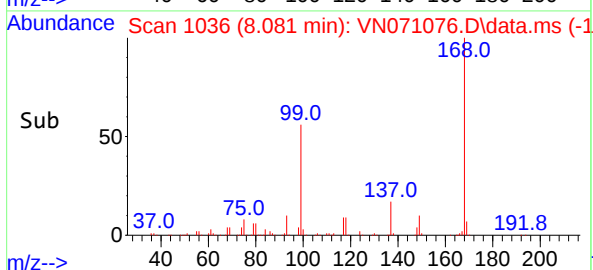
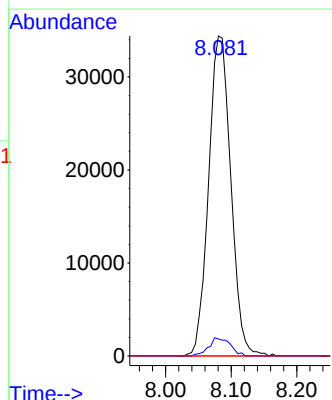
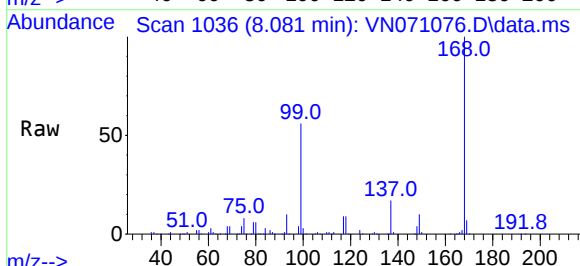
RT: 8.081 min Scan# 1036

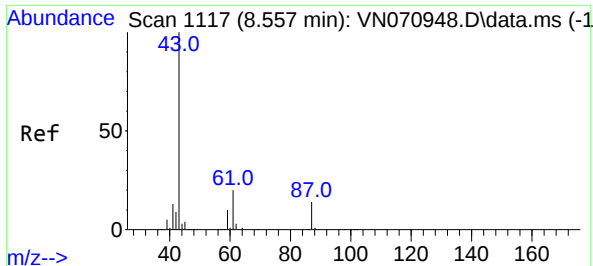
Delta R.T. -0.118 min

Lab File: VN071076.D

Acq: 25 Feb 2022 17:46

Tgt Ion:	117	Resp:	80993
Ion Ratio	Lower	Upper	
117	100		
119	5.3	76.1	114.1#
121	0.0	24.2	36.2#

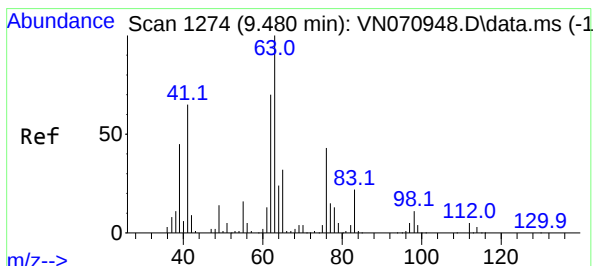
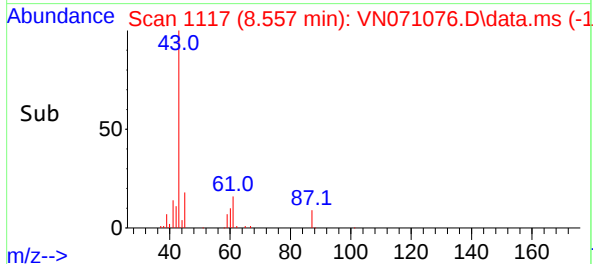
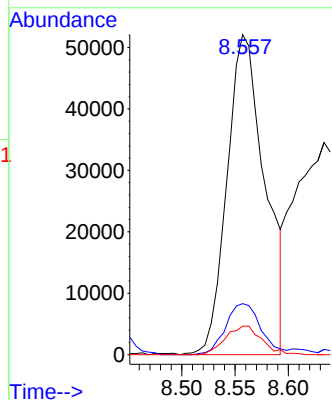
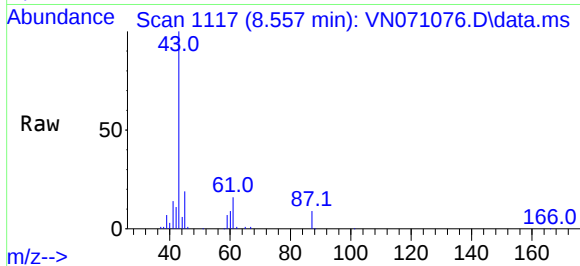




#43
Isopropyl Acetate
Concen: 5.708 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

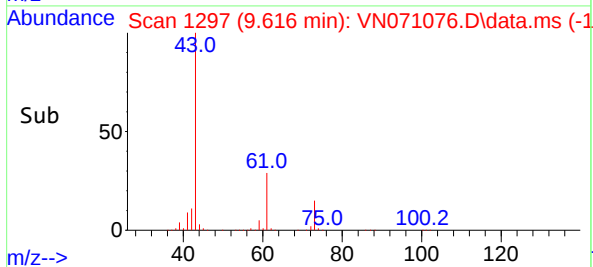
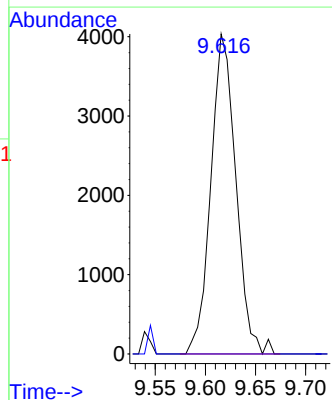
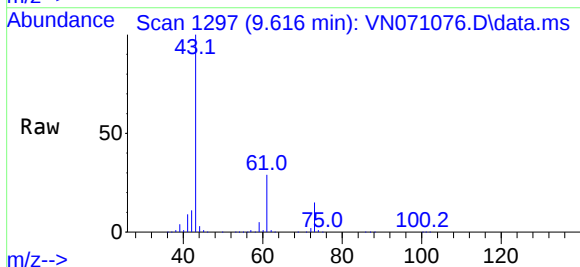
Instrument :
MSVOA_N
ClientSampleId :
TP-4

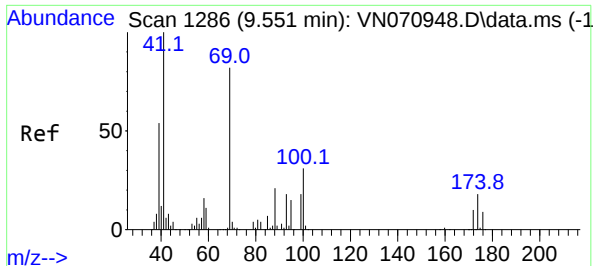
Tgt Ion: 43 Resp: 129195
Ion Ratio Lower Upper
43 100
61 14.8 20.4 30.6#
87 8.5 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.691 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.135 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion: 63 Resp: 7010
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 2.377 ug/l

RT: 9.545 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN071076.D

Acq: 25 Feb 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

TP-4

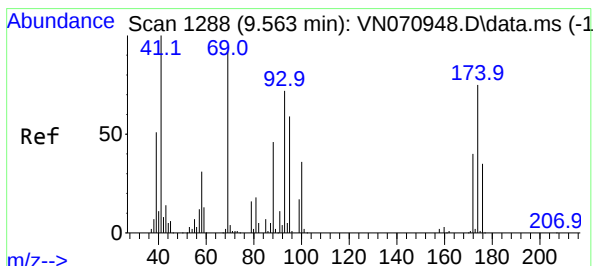
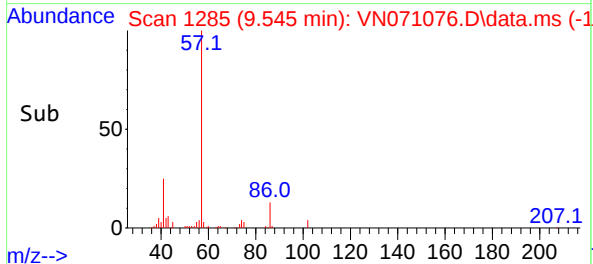
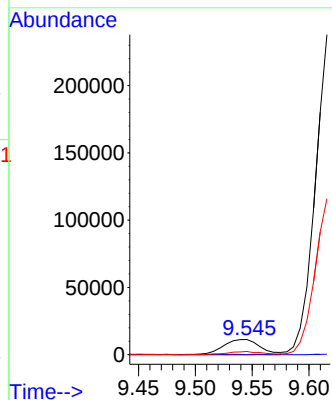
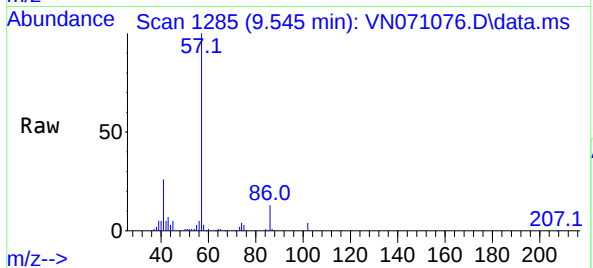
Tgt Ion: 41 Resp: 25467

Ion Ratio Lower Upper

41 100

69 0.3 72.4 108.6#

39 0.0 58.4 87.6#



#49

1,4-Dioxane

Concen: 0.321 ug/l

RT: 9.575 min Scan# 1290

Delta R.T. 0.012 min

Lab File: VN071076.D

Acq: 25 Feb 2022 17:46

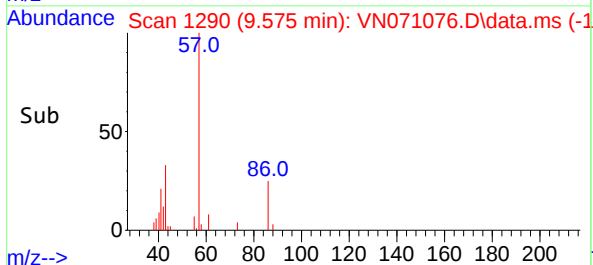
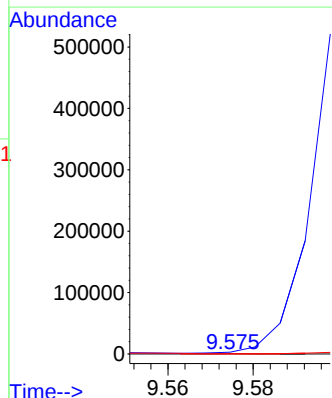
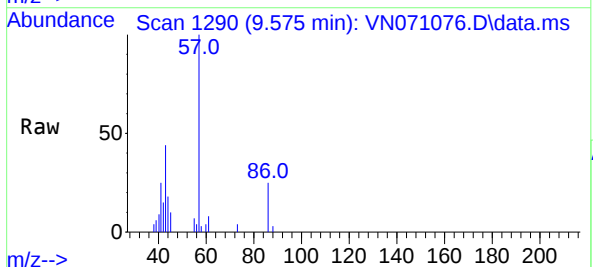
Tgt Ion: 88 Resp: 61

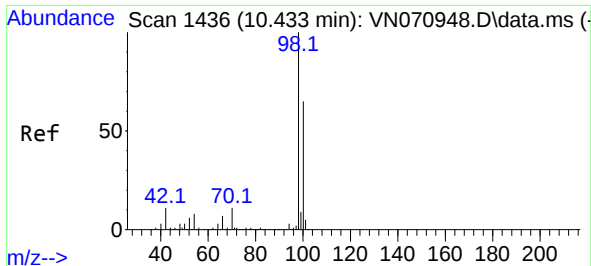
Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.2#

58 0.0 50.6 75.8#

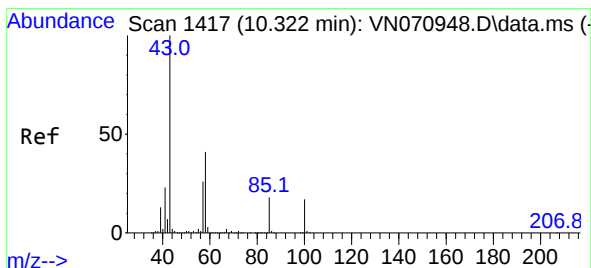
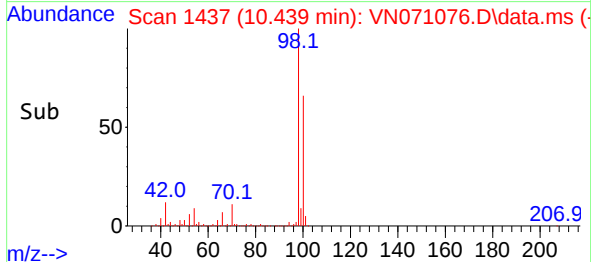
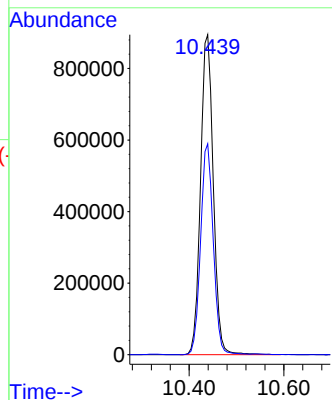
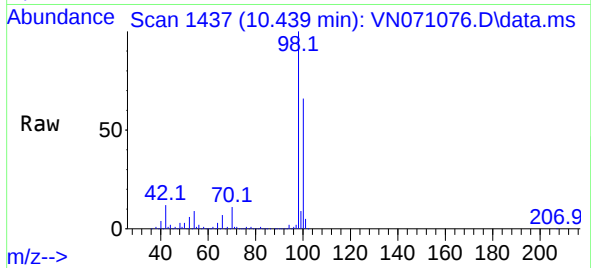




#50
Toluene-d8
Concen: 50.703 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

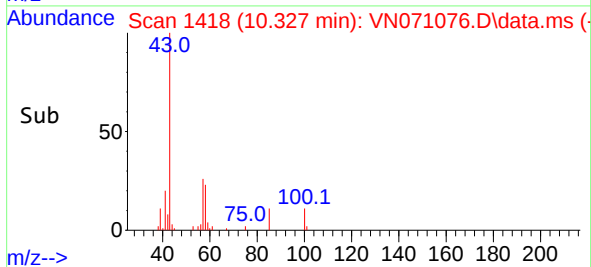
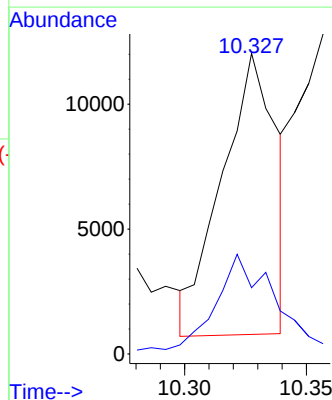
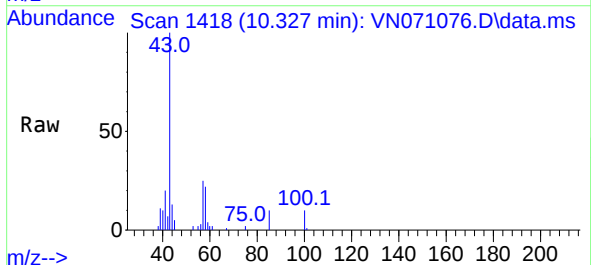
Instrument :
MSVOA_N
ClientSampleId :
TP-4

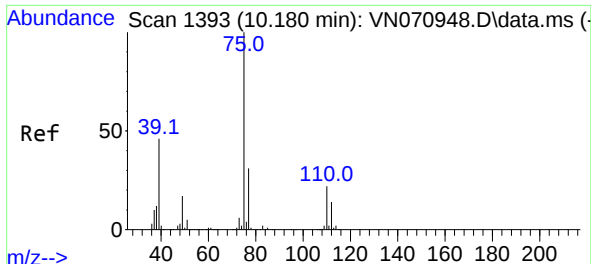
Tgt Ion: 98 Resp: 1664196
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.268 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion: 43 Resp: 17468
Ion Ratio Lower Upper
43 100
58 41.2 30.4 45.6

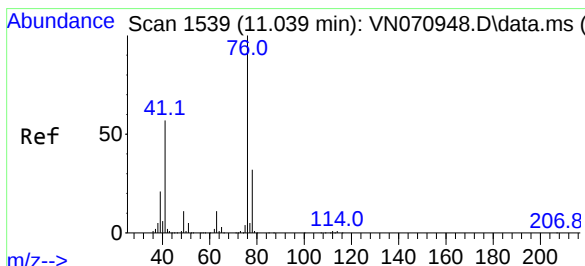
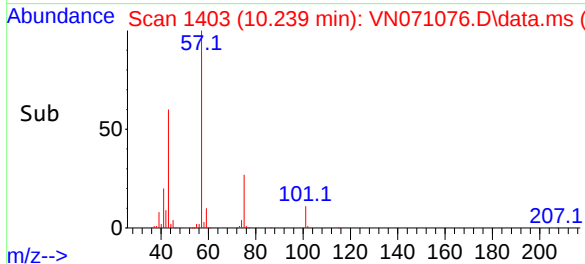
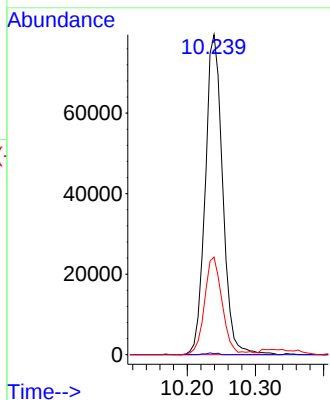
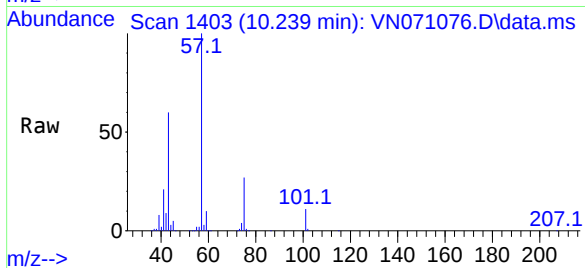




#54
 cis-1,3-Dichloropropene
 Concen: 8.764 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.059 min
 Lab File: VN071076.D
 Acq: 25 Feb 2022 17:46

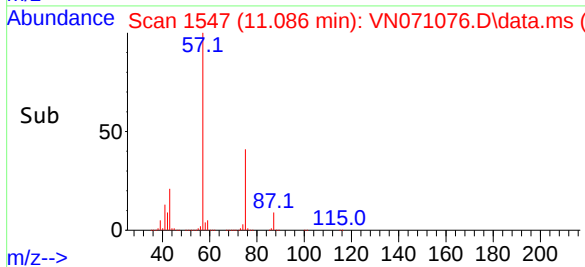
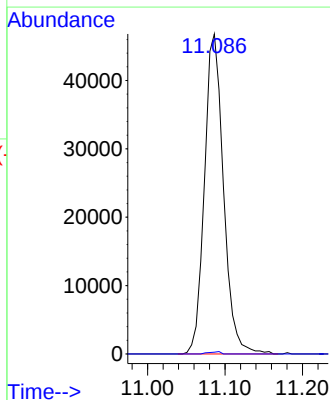
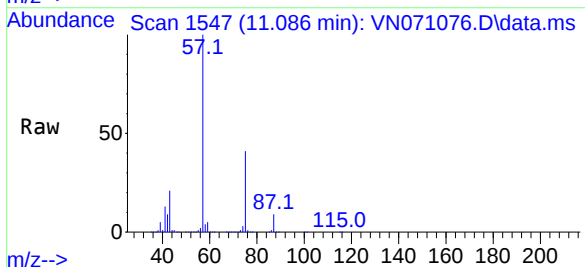
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

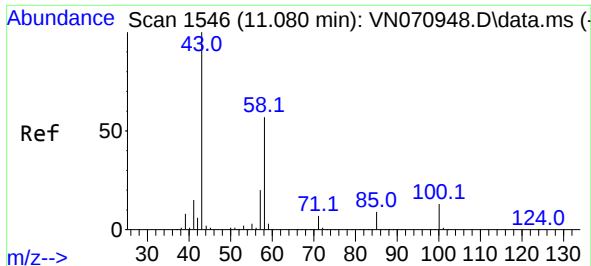
Tgt Ion: 75 Resp: 141220
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.4 39.6#
 39 30.5 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 4.740 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071076.D
 Acq: 25 Feb 2022 17:46

Tgt Ion: 76 Resp: 79879
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

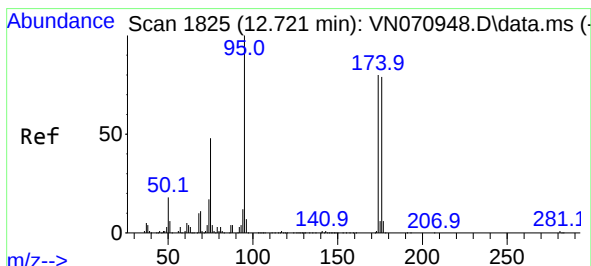
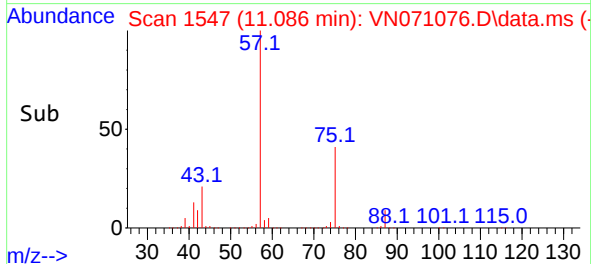
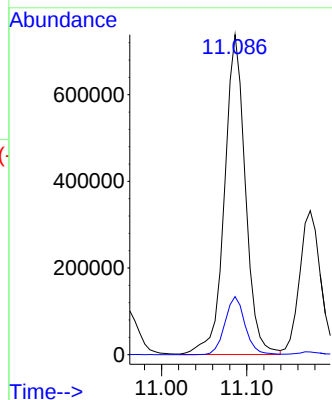
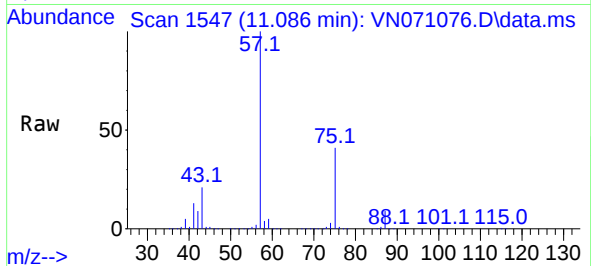




#59
2-Hexanone
Concen: 132.775 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

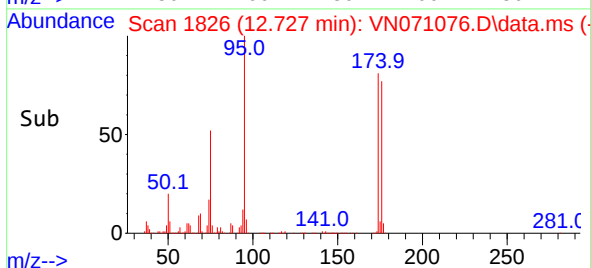
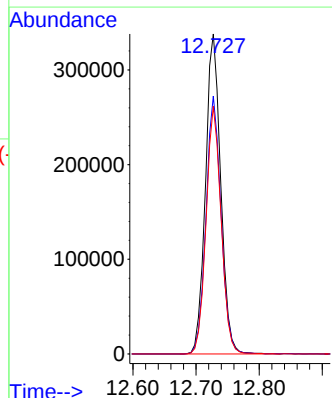
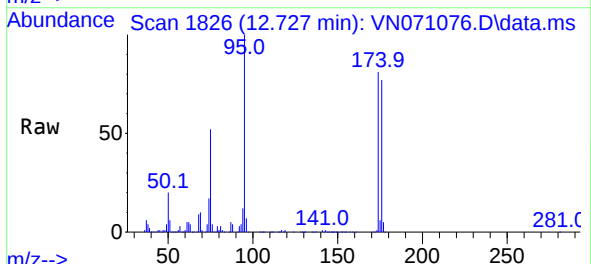
Instrument :
MSVOA_N
ClientSampleId :
TP-4

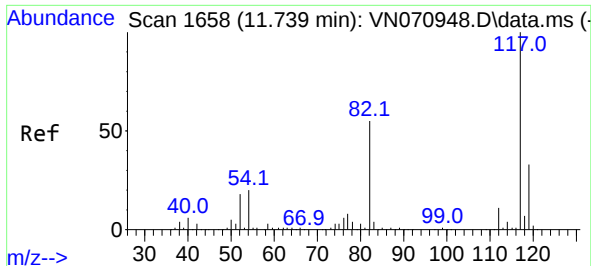
Tgt Ion: 43 Resp: 1257609
Ion Ratio Lower Upper
43 100
58 17.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.142 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion: 95 Resp: 564812
Ion Ratio Lower Upper
95 100
174 80.0 0.0 187.2
176 76.5 0.0 181.4

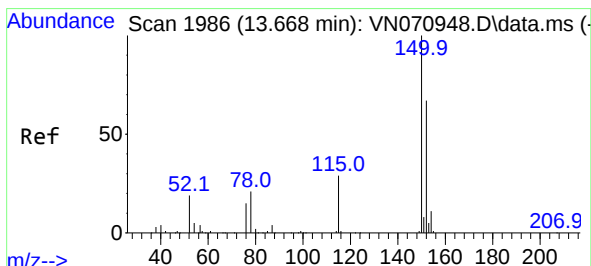
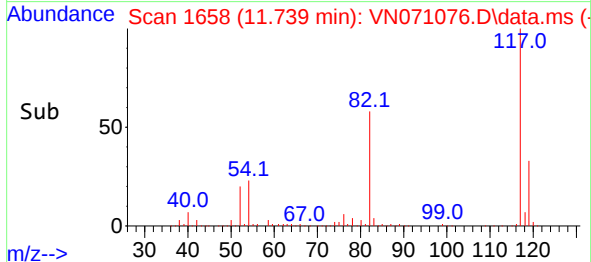
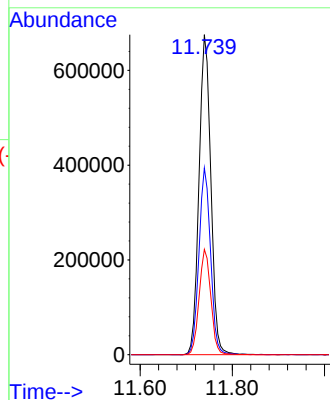
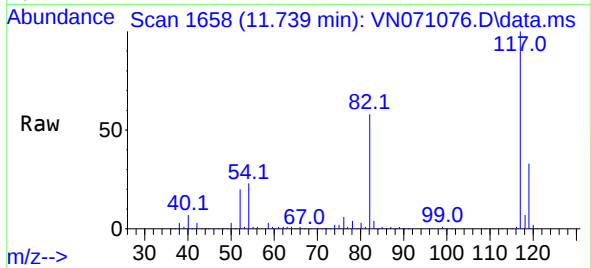




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

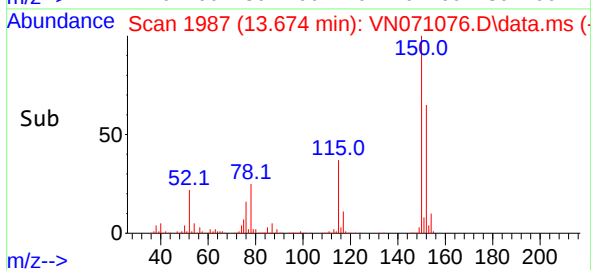
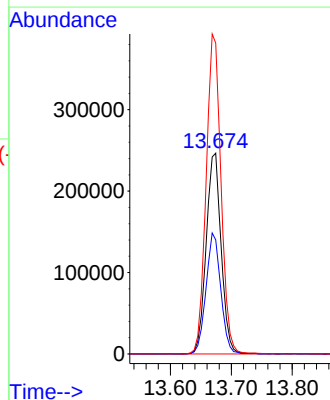
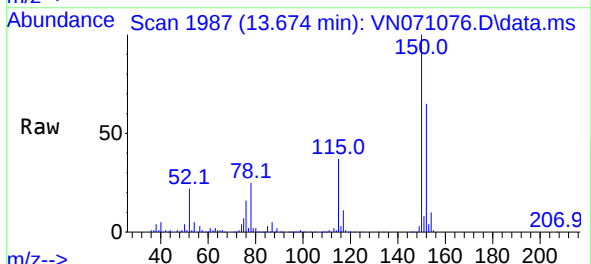
Instrument :
MSVOA_N
ClientSampleId :
TP-4

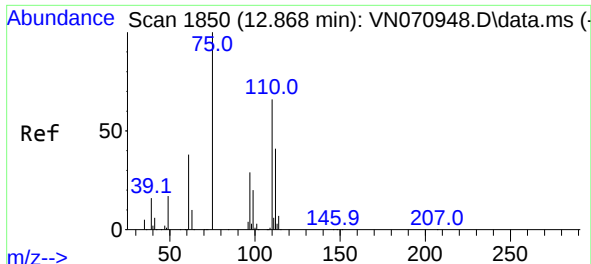
Tgt Ion:117 Resp: 1201686
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion:152 Resp: 421695
Ion Ratio Lower Upper
152 100
115 59.3 27.5 82.5
150 158.0 0.0 344.4

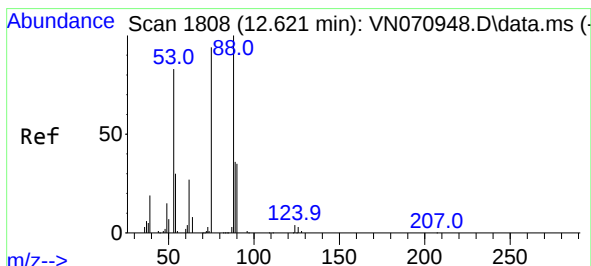
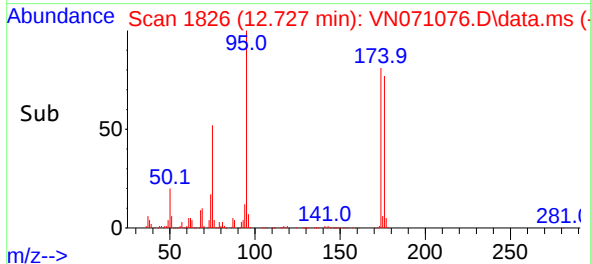
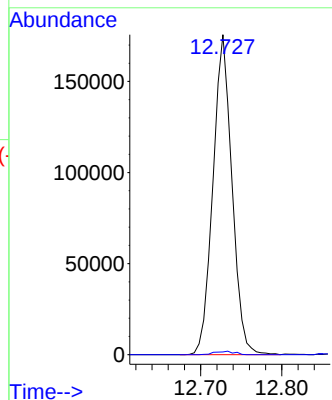
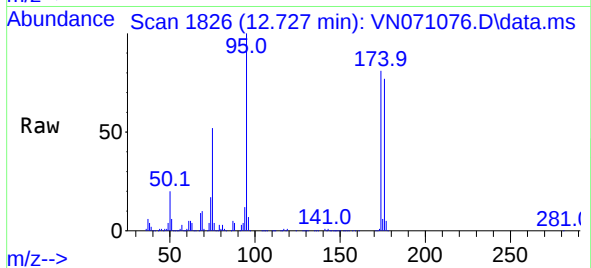




#76
1,2,3-Trichloropropane
Concen: 28.795 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

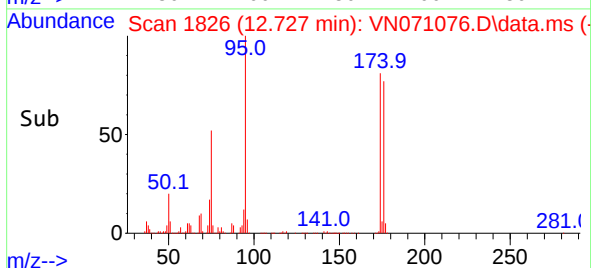
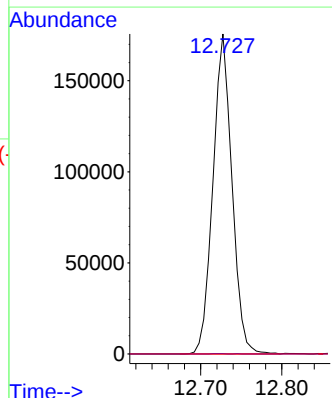
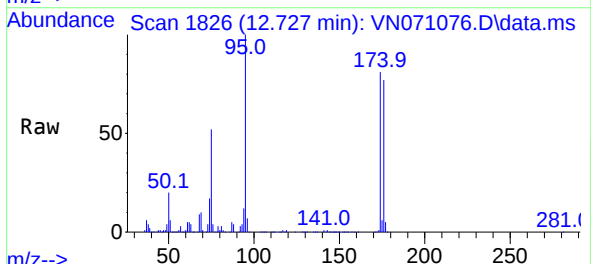
Instrument :
MSVOA_N
ClientSampleId :
TP-4

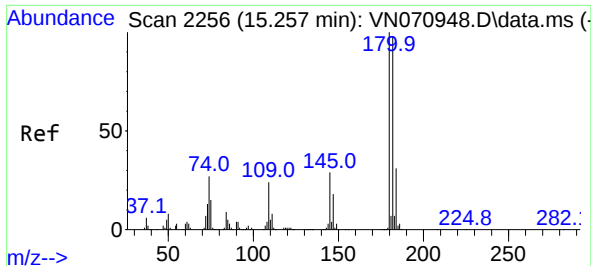
Tgt Ion: 75 Resp: 285904
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.310 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071076.D
Acq: 25 Feb 2022 17:46

Tgt Ion: 75 Resp: 285904
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: 2.168 ug/l

RT: 15.268 min Scan# 21

Delta R.T. 0.011 min

Lab File: VN071076.D

Acq: 25 Feb 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

TP-4

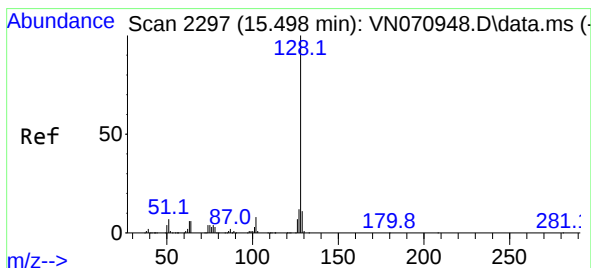
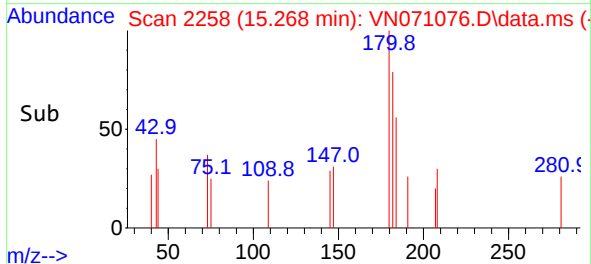
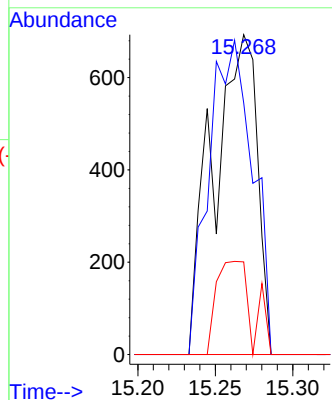
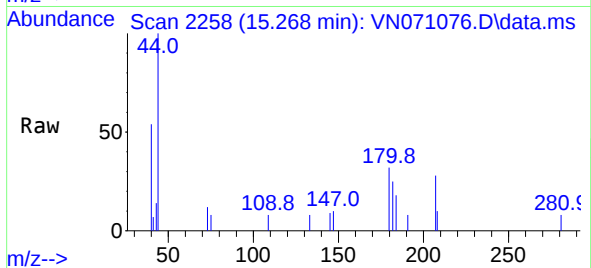
Tgt Ion:180 Resp: 1367

Ion Ratio Lower Upper

180 100

182 97.8 48.3 144.9

145 23.6 14.5 43.5



#95

Naphthalene

Concen: 5.203 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VN071076.D

Acq: 25 Feb 2022 17:46

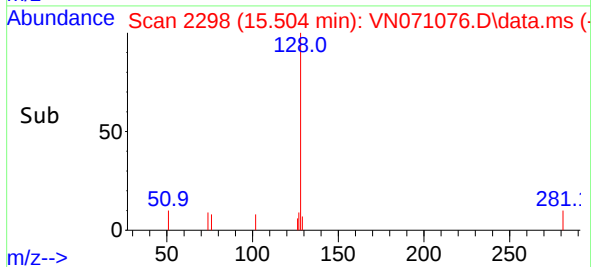
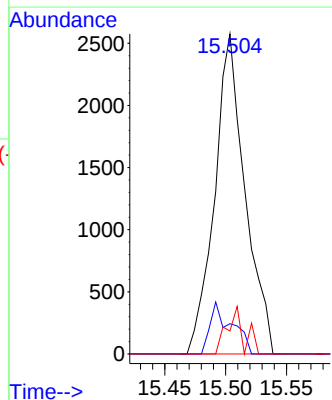
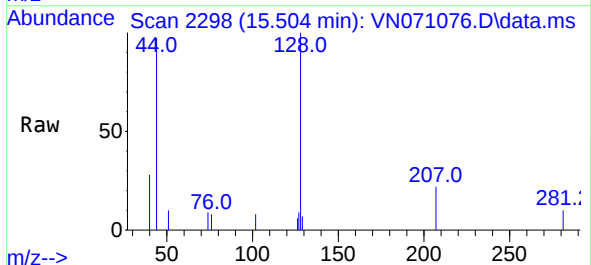
Tgt Ion:128 Resp: 4478

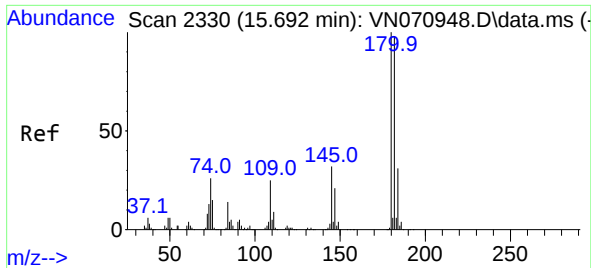
Ion Ratio Lower Upper

128 100

127 11.5 10.5 15.7

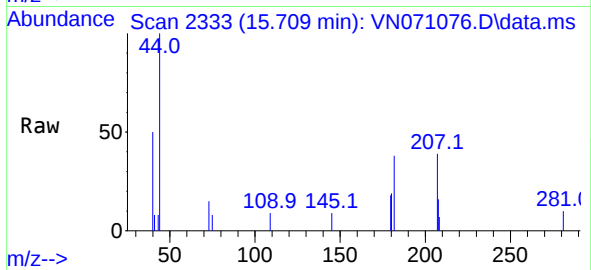
129 8.2 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.709 ug/l
 RT: 15.709 min Scan# 21
 Delta R.T. 0.017 min
 Lab File: VN071076.D
 Acq: 25 Feb 2022 17:46

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4



Tgt Ion:	180	Resp:	1454
Ion	Ratio	Lower	Upper
180	100		
182	89.0	47.4	142.2
145	31.3	15.0	45.1

