

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032222\
 Data File : VN071491.D
 Acq On : 23 Mar 2022 02:36
 Operator : JC\MD
 Sample : N1974-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 G-6-5-9-10

Quant Time: Mar 23 07:14:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

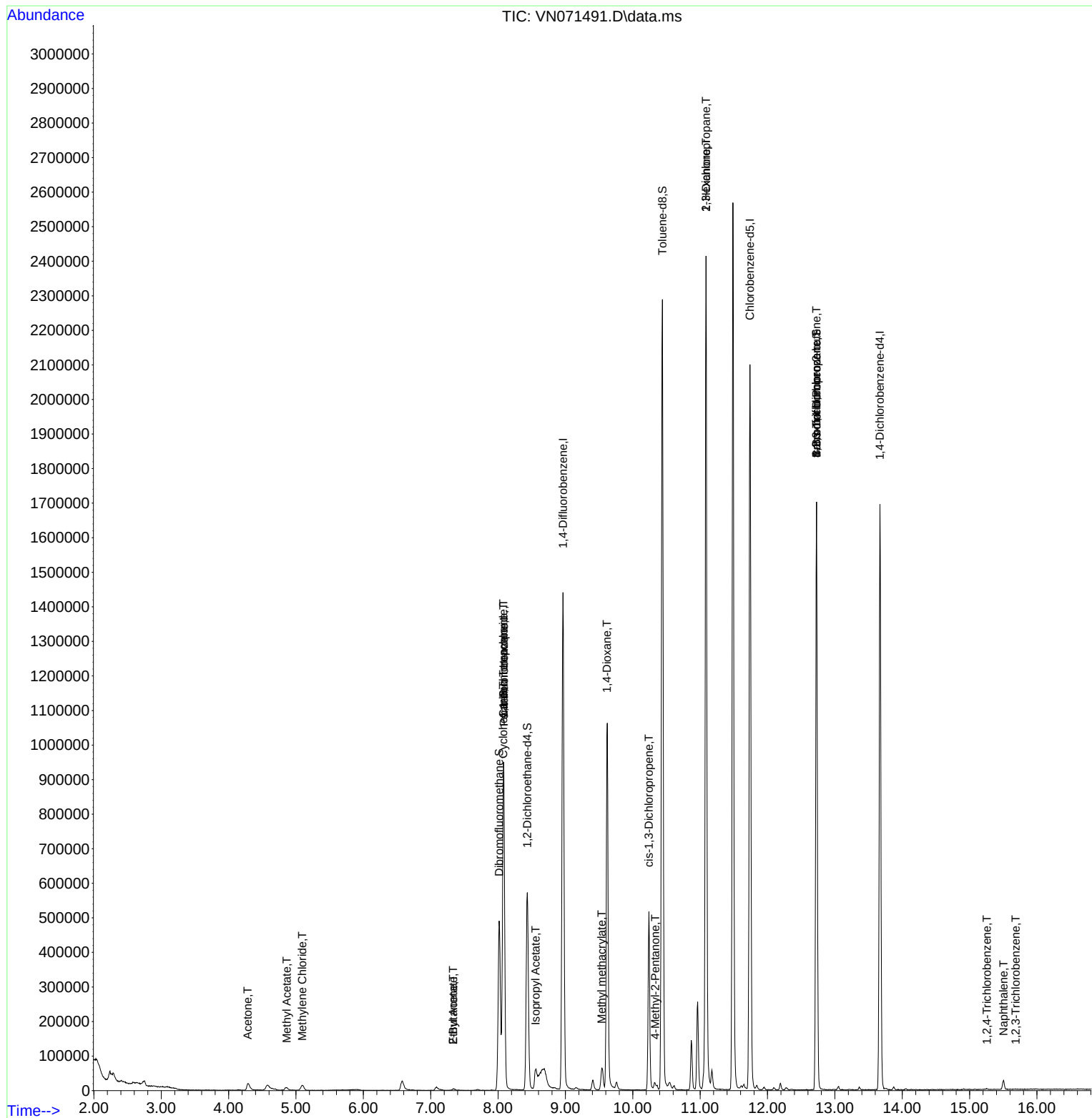
Internal Standards						
1) Pentafluorobenzene	8.086	168	718487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1228839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1208305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	452155	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	480469	48.793	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.580%
35) Dibromofluoromethane	8.016	113	359041	46.302	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.600%
50) Toluene-d8	10.439	98	1567391	50.202	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.400%
62) 4-Bromofluorobenzene	12.727	95	573648	54.259	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.520%
Target Compounds						
					Qvalue	
5) Bromomethane	2.869	94	970	Below Cal	#	38
16) Acetone	4.281	43	37959	7.922	ug/l	98
18) Methyl Acetate	4.863	43	17803	1.841	ug/l #	90
20) Methylene Chloride	5.092	84	11144	1.645	ug/l	96
25) 2-Butanone	7.333	43	8609	1.115	ug/l #	87
31) Cyclohexane	8.075	56	15788	1.004	ug/l #	34
36) 1,1-Dichloropropene	8.080	75	59231	4.767	ug/l #	50
37) Ethyl Acetate	7.333	43	8609	0.503	ug/l #	68
38) Carbon Tetrachloride	8.080	117	71755	5.971	ug/l #	17
43) Isopropyl Acetate	8.557	43	79640	3.115	ug/l #	75
48) Methyl methacrylate	9.539	41	19135	1.615	ug/l #	20
49) 1,4-Dioxane	9.616	88	64	0.311	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	12441	0.784	ug/l	91
54) cis-1,3-Dichloropropene	10.239	75	86008	5.713	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	24889	1.501	ug/l #	43
59) 2-Hexanone	11.086	43	417859	38.593	ug/l #	48
71) Bromoform	12.727	173	3668	0.508	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.751	83	61	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	299220	25.947	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	299220	71.536	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.256	180	319	3.030	ug/l	81
95) Naphthalene	15.504	128	23994	6.108	ug/l	97
96) 1,2,3-Trichlorobenzene	15.686	180	124	2.748	ug/l #	57

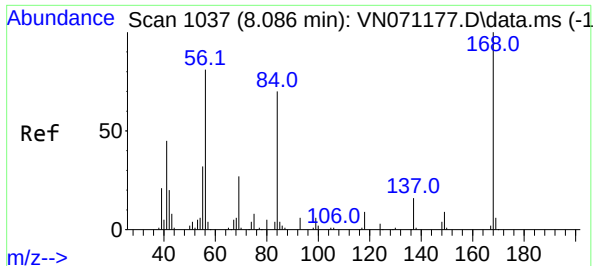
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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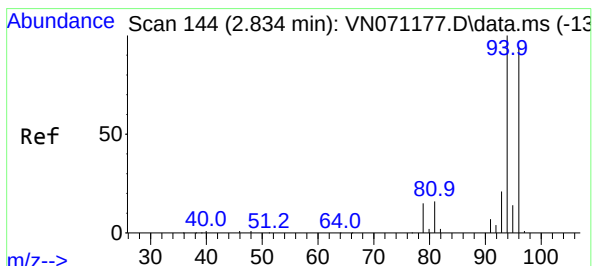
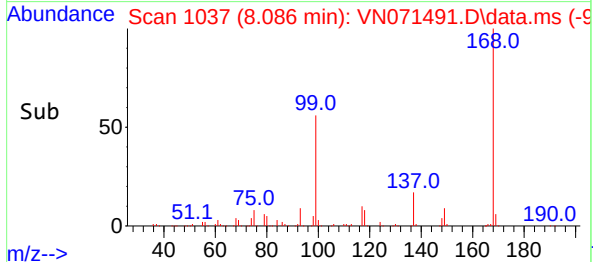
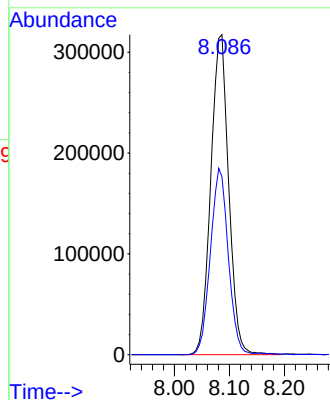
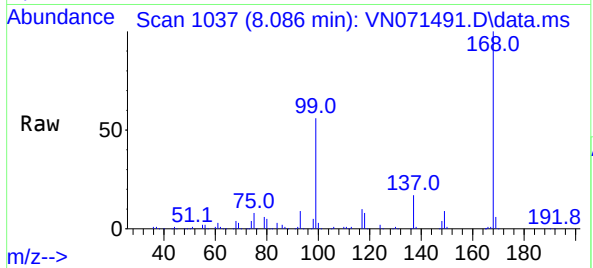




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

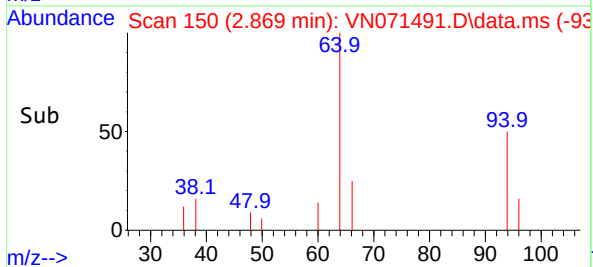
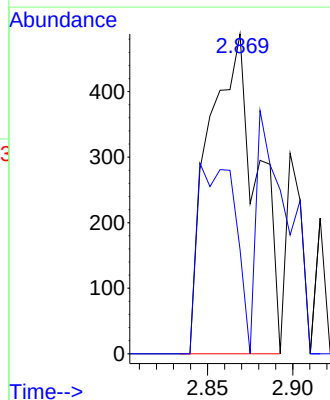
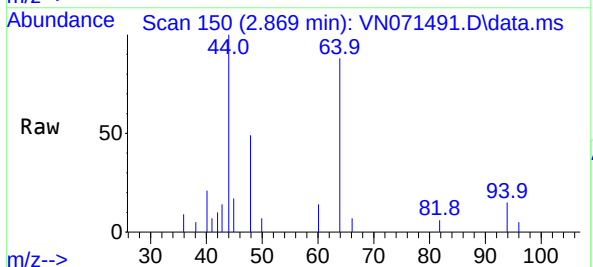
Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10

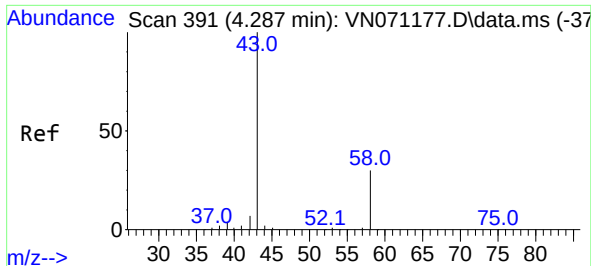
Tgt Ion:168 Resp: 718487
Ion Ratio Lower Upper
168 100
99 55.6 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.869 min Scan# 150
Delta R.T. 0.035 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Tgt Ion: 94 Resp: 970
Ion Ratio Lower Upper
94 100
96 32.6 73.8 110.8#

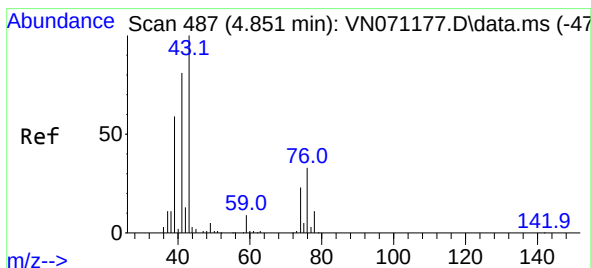
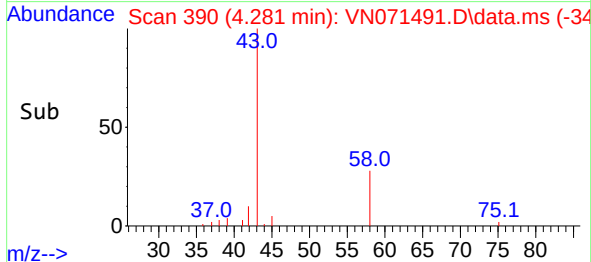
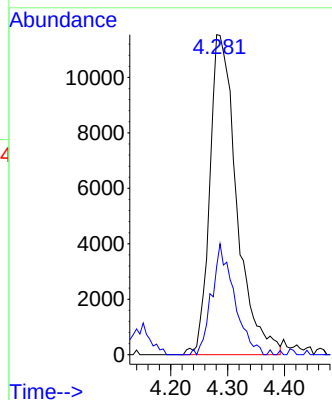
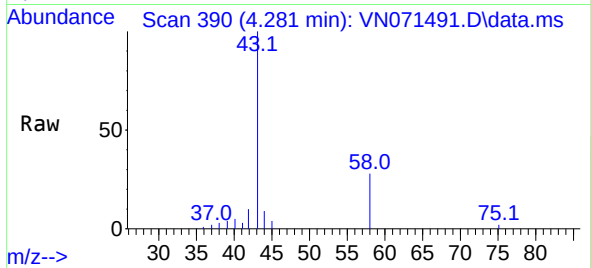




#16
Acetone
Concen: 7.922 ug/l
RT: 4.281 min Scan# 391
Delta R.T. -0.006 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

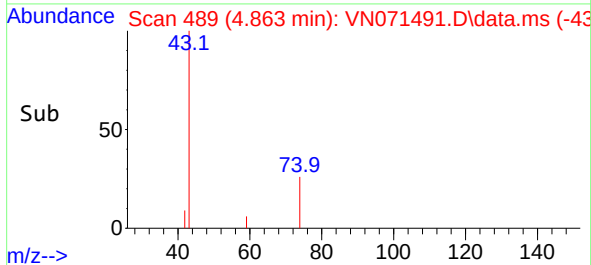
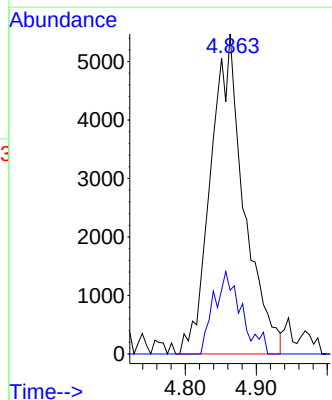
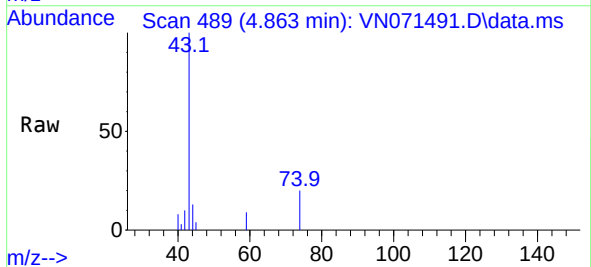
Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10

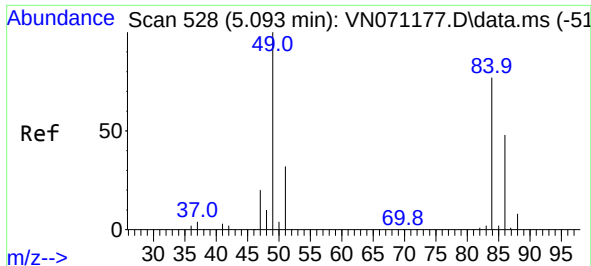
Tgt Ion: 43 Resp: 37959
Ion Ratio Lower Upper
43 100
58 27.6 23.1 34.7



#18
Methyl Acetate
Concen: 1.841 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

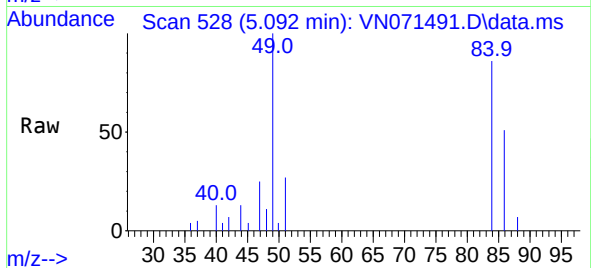
Tgt Ion: 43 Resp: 17803
Ion Ratio Lower Upper
43 100
74 19.4 19.4 29.2#





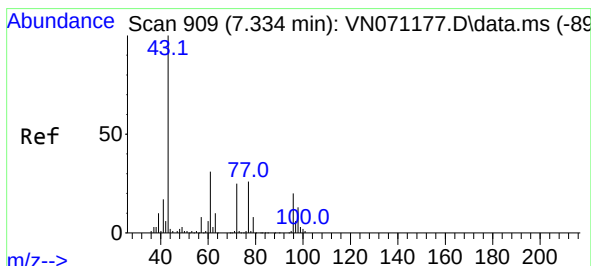
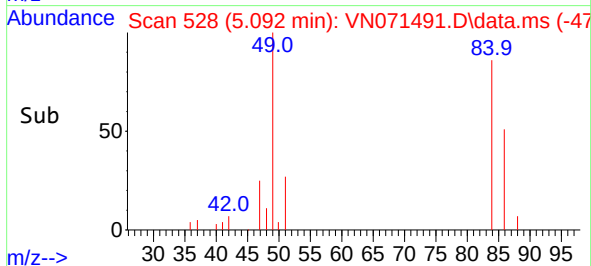
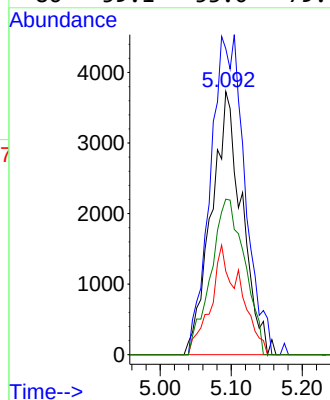
#20
Methylene Chloride
Concen: 1.645 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.001 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10



Tgt Ion: 84 Resp: 11144

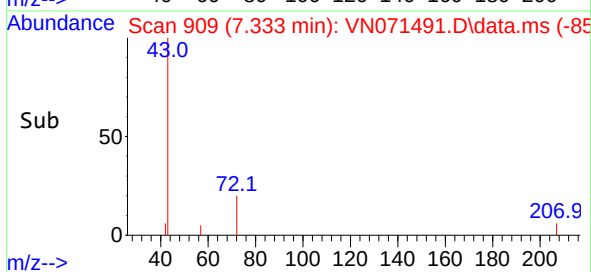
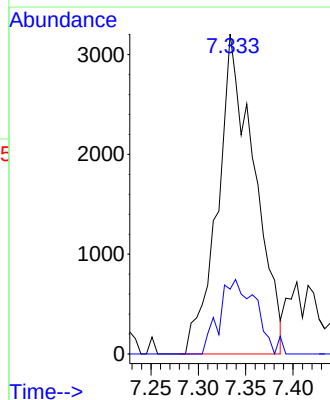
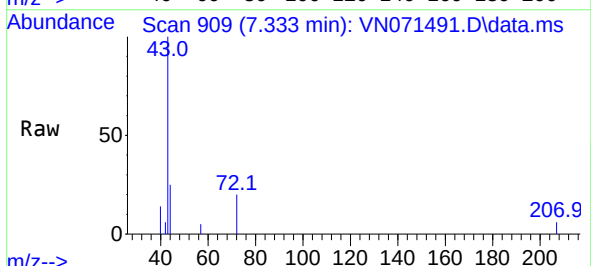
Ion	Ratio	Lower	Upper
84	100		
49	116.3	93.5	140.3
51	31.7	29.4	44.2
86	59.1	53.0	79.4

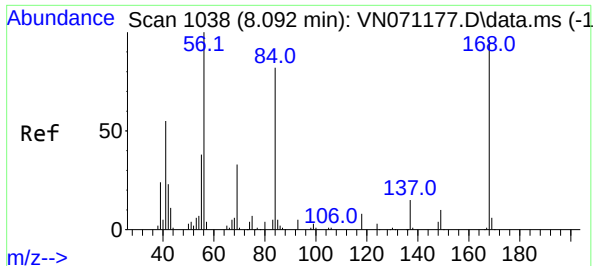


#25
2-Butanone
Concen: 1.115 ug/l
RT: 7.333 min Scan# 909
Delta R.T. -0.000 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Tgt Ion: 43 Resp: 8609

Ion	Ratio	Lower	Upper
43	100		
72	20.2	21.7	32.5





#31

Cyclohexane

Concen: 1.004 ug/l

RT: 8.075 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN071491.D

Acq: 23 Mar 2022 02:36

Instrument :

MSVOA_N

ClientSampleId :

G-6-5-9-10

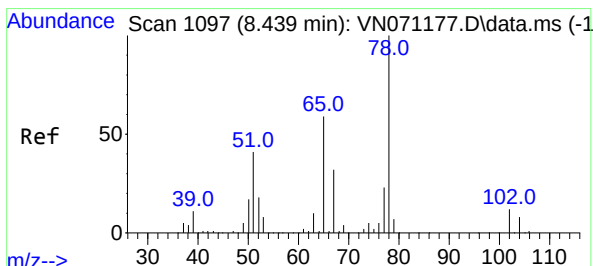
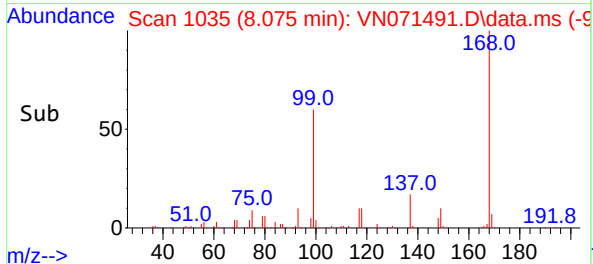
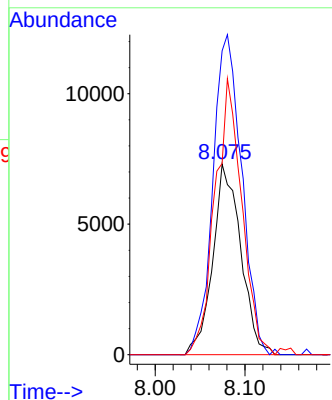
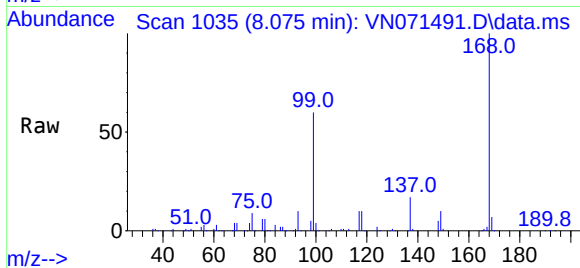
Tgt Ion: 56 Resp: 15788

Ion Ratio Lower Upper

56 100

69 159.5 27.1 40.7#

84 100.4 73.4 110.0



#33

1,2-Dichloroethane-d4

Concen: 48.793 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071491.D

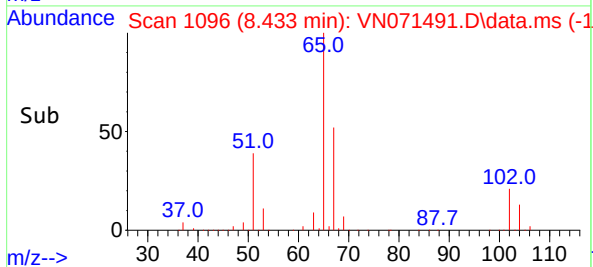
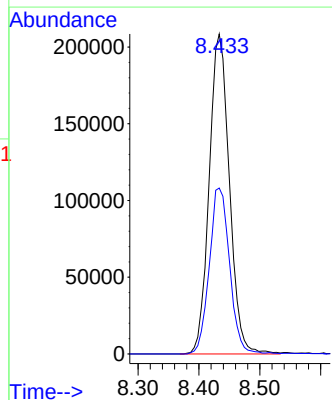
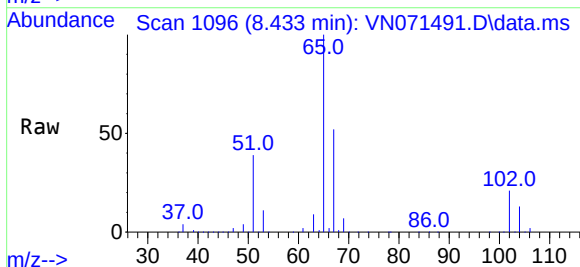
Acq: 23 Mar 2022 02:36

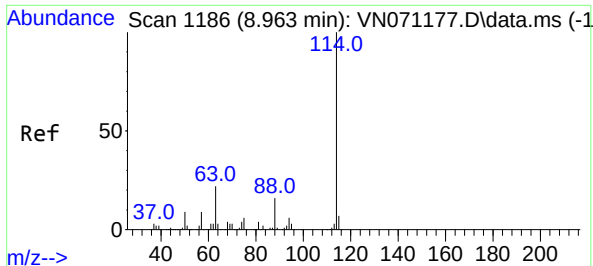
Tgt Ion: 65 Resp: 480469

Ion Ratio Lower Upper

65 100

67 52.0 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: VN071491.D

Acq: 23 Mar 2022 02:36

Instrument :

MSVOA_N

ClientSampleId :

G-6-5-9-10

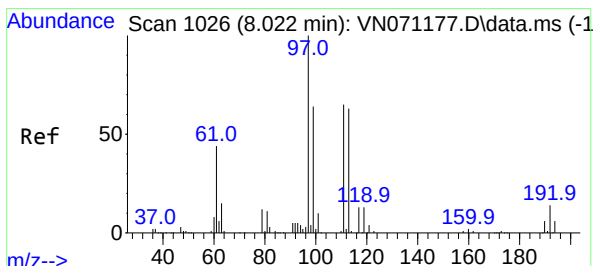
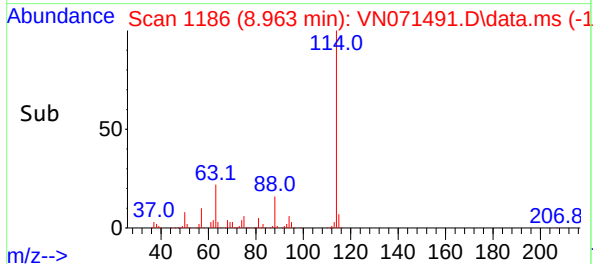
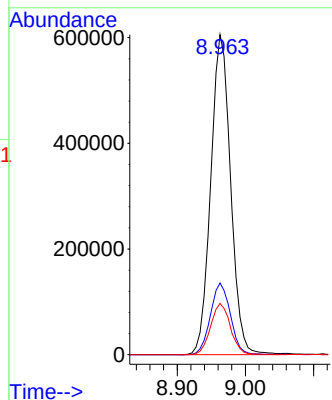
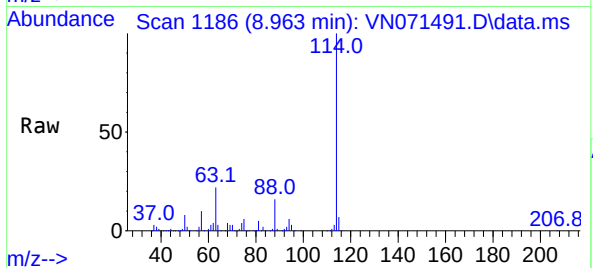
Tgt Ion:114 Resp: 1228839

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.302 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071491.D

Acq: 23 Mar 2022 02:36

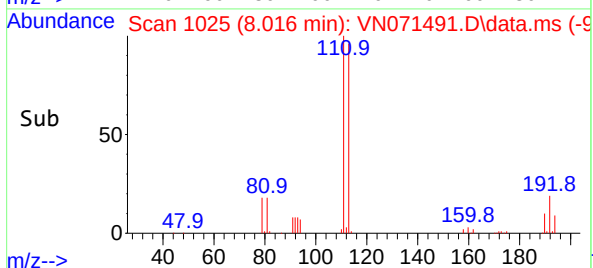
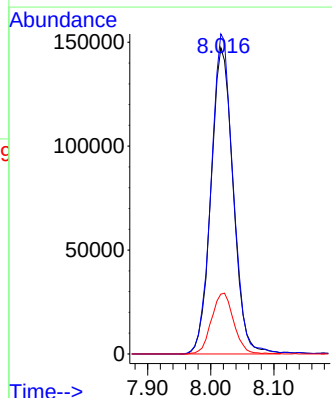
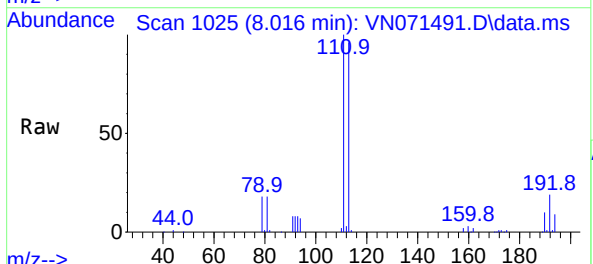
Tgt Ion:113 Resp: 359041

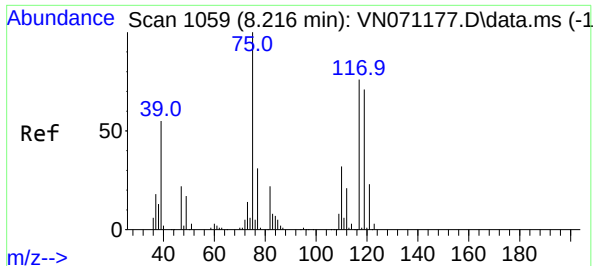
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.2

192 20.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.767 ug/l

RT: 8.080 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN071491.D

Acq: 23 Mar 2022 02:36

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ClientSampleId :

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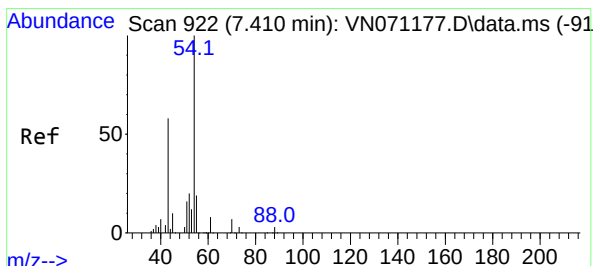
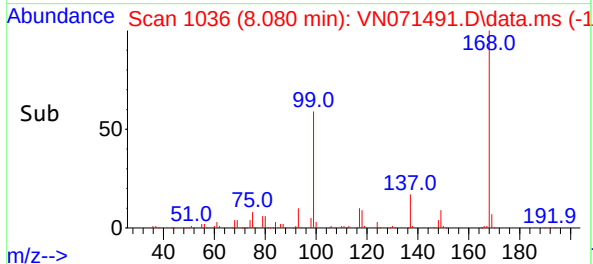
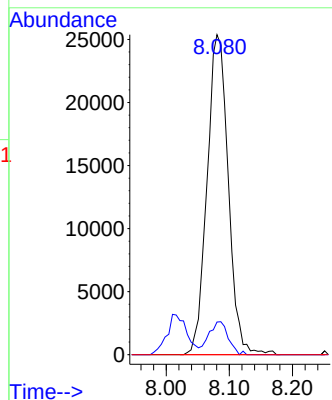
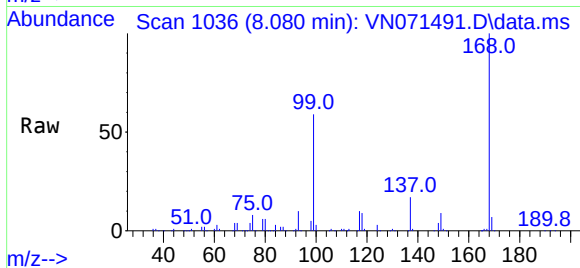
Tgt Ion: 75 Resp: 59231

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.503 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.077 min

Lab File: VN071491.D

Acq: 23 Mar 2022 02:36

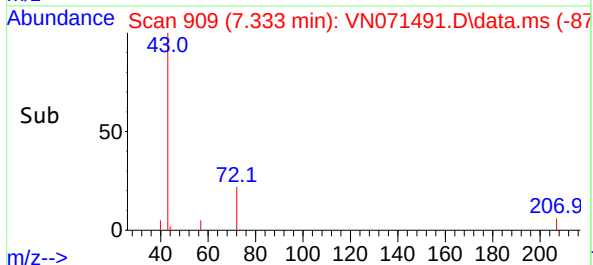
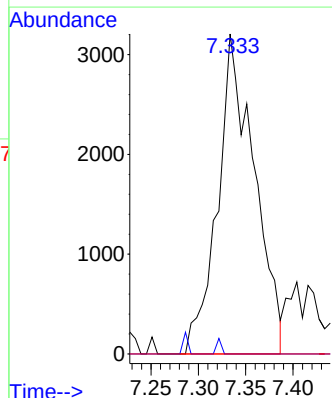
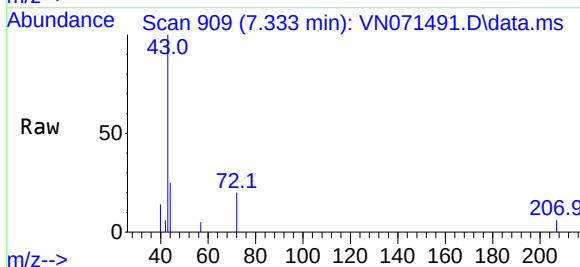
Tgt Ion: 43 Resp: 8609

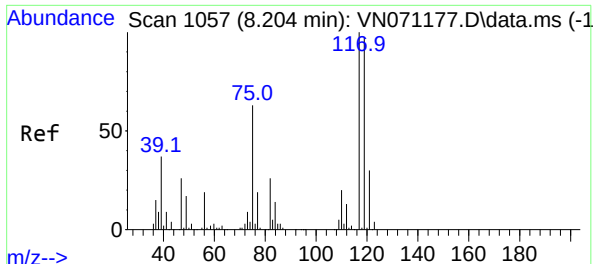
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 7.9 11.9#

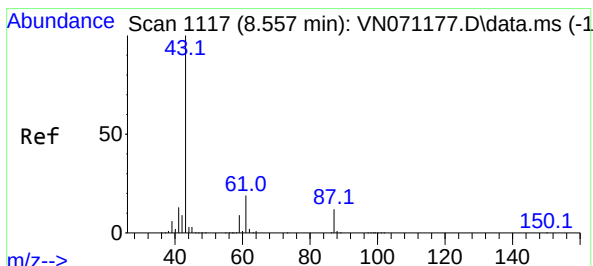
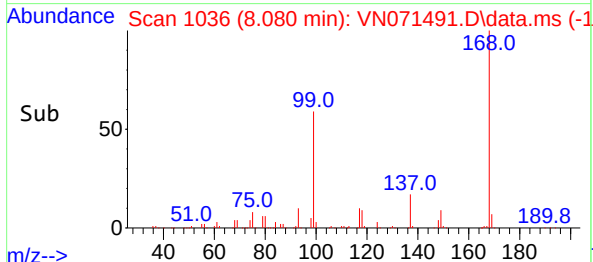
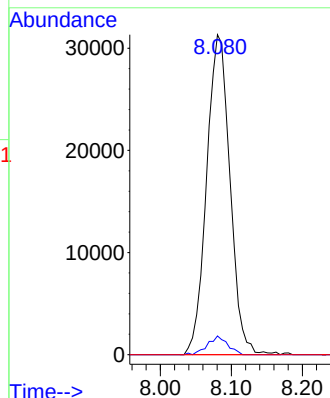
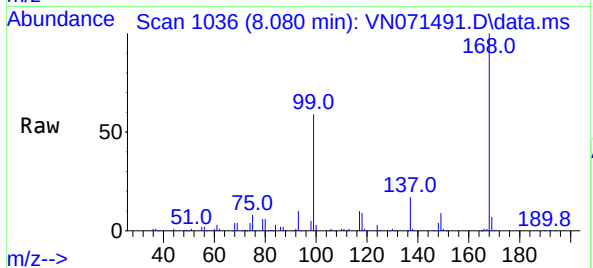




#38
Carbon Tetrachloride
Concen: 5.971 ug/l
RT: 8.080 min Scan# 1107
Delta R.T. -0.124 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

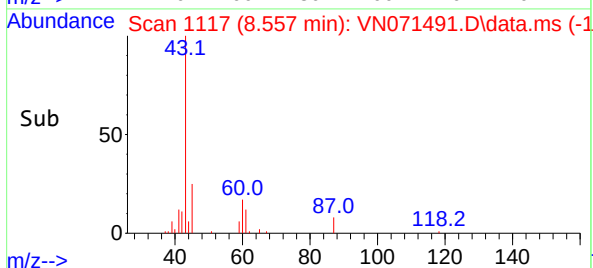
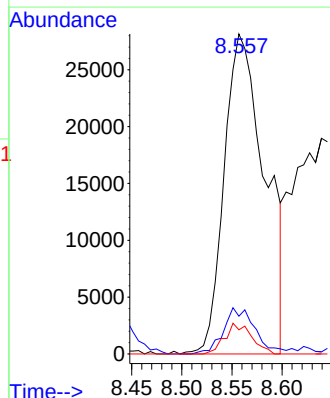
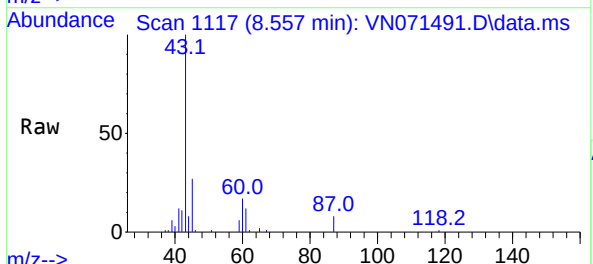
Instrument :
MSVOA_N
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G-6-5-9-10

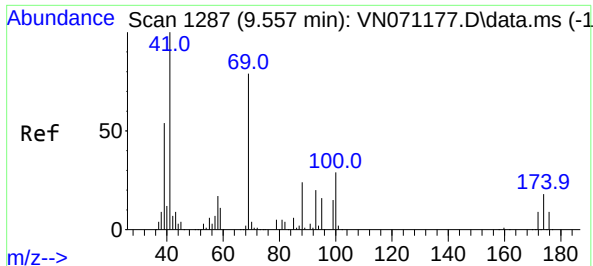
Tgt Ion:117 Resp: 71755
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.115 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Tgt Ion: 43 Resp: 79640
Ion Ratio Lower Upper
43 100
61 11.2 20.4 30.6#
87 6.3 11.2 16.8#

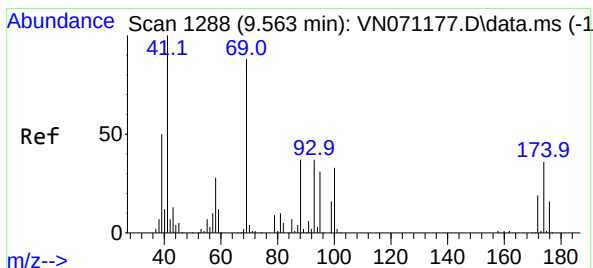
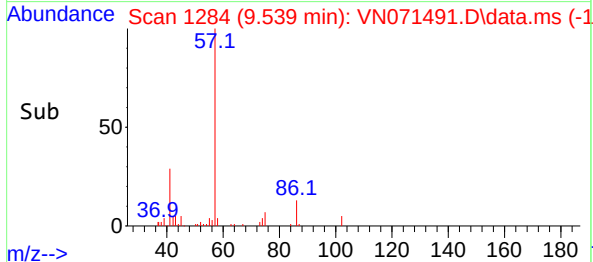
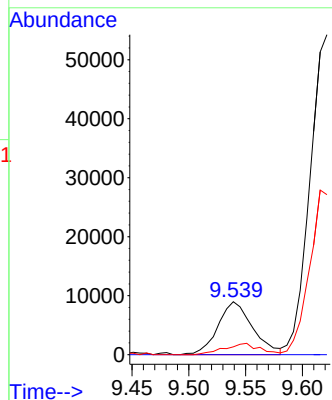
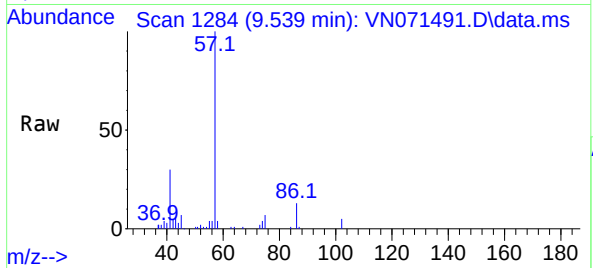




#48
Methyl methacrylate
Concen: 1.615 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

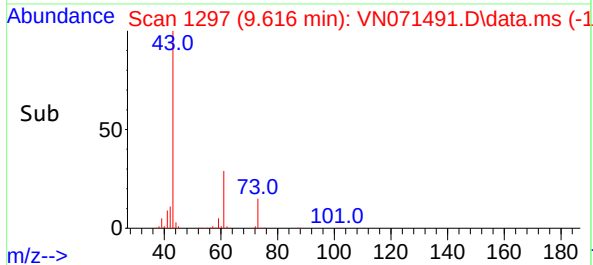
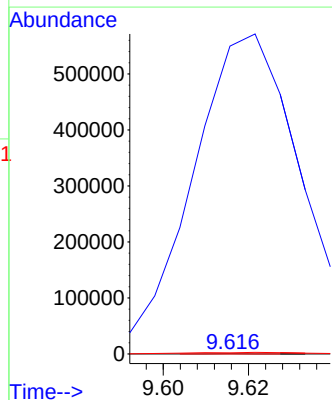
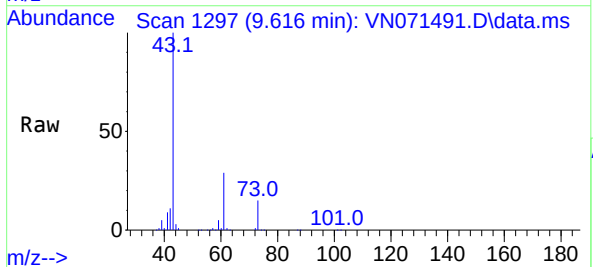
Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10

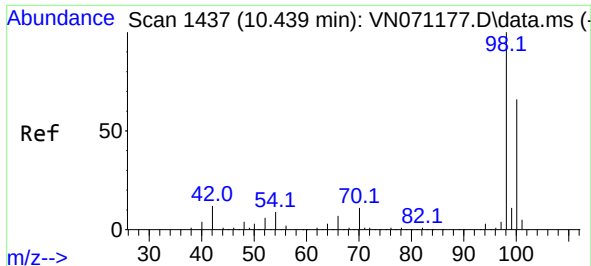
Tgt Ion: 41 Resp: 19135
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 21.7 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.311 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.053 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1652195.3 23.4 35.2#
58 8415.6 50.6 75.8#

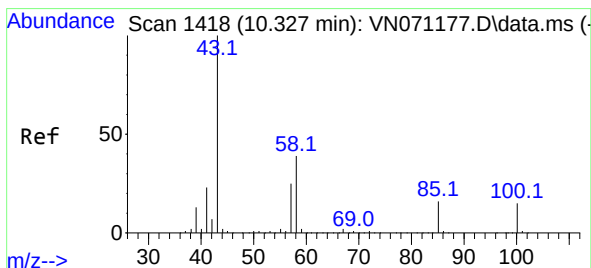
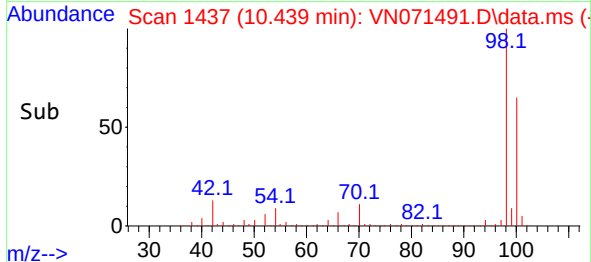
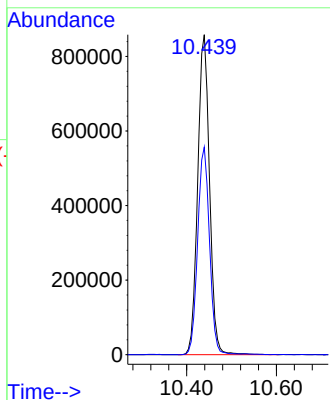
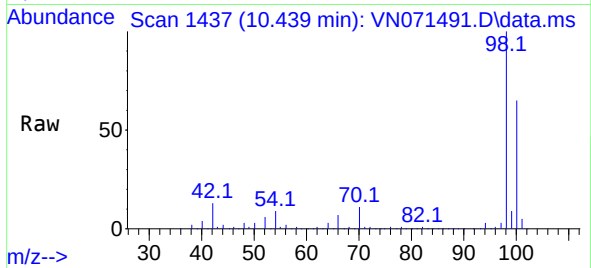




#50
Toluene-d8
Concen: 50.202 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

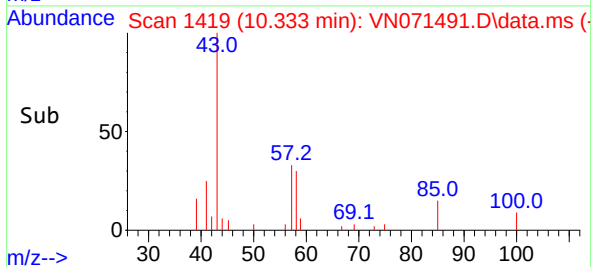
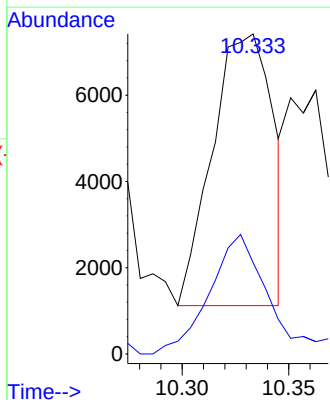
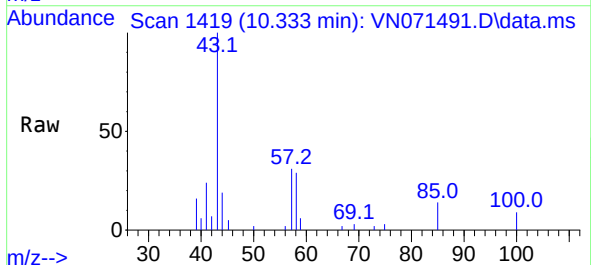
Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10

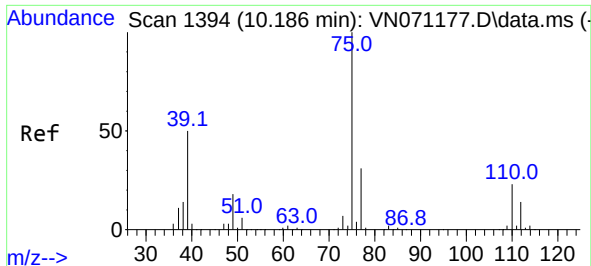
Tgt Ion: 98 Resp: 1567391
Ion Ratio Lower Upper
98 100
100 65.0 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.784 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Tgt Ion: 43 Resp: 12441
Ion Ratio Lower Upper
43 100
58 43.2 30.4 45.6

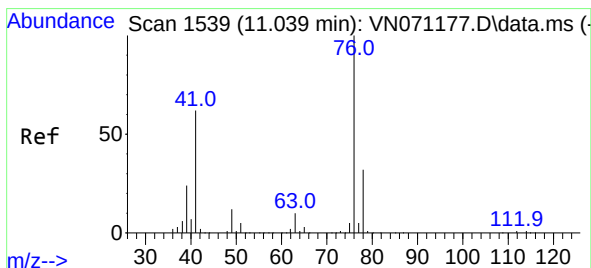
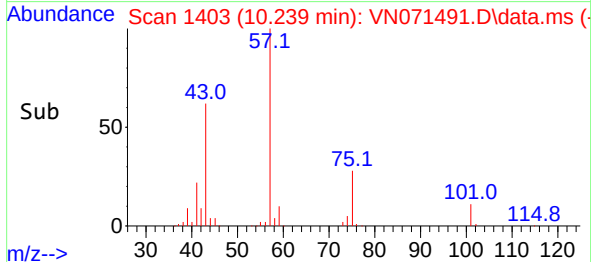
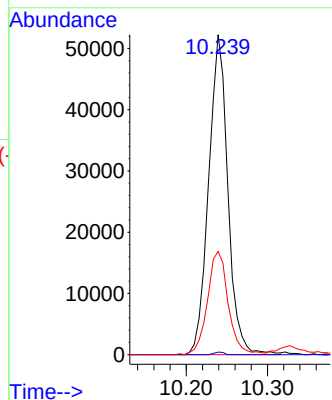
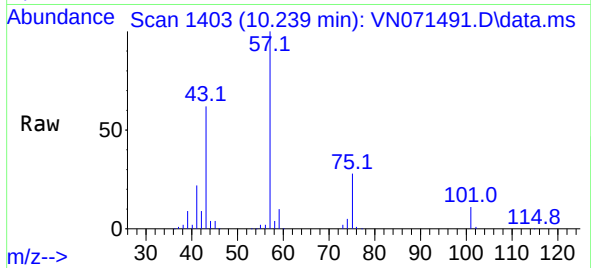




#54
 cis-1,3-Dichloropropene
 Concen: 5.713 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN071491.D
 Acq: 23 Mar 2022 02:36

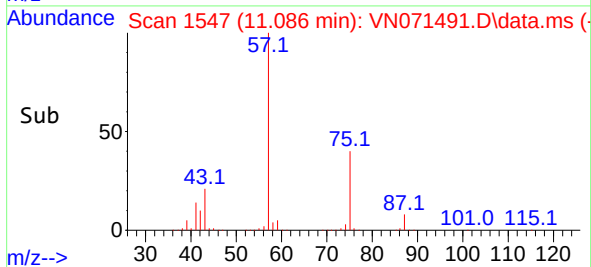
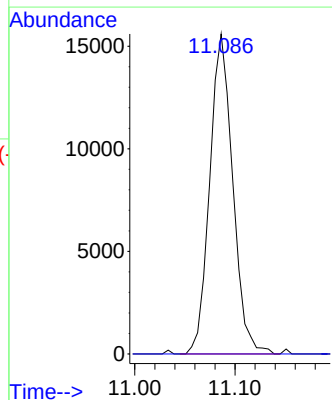
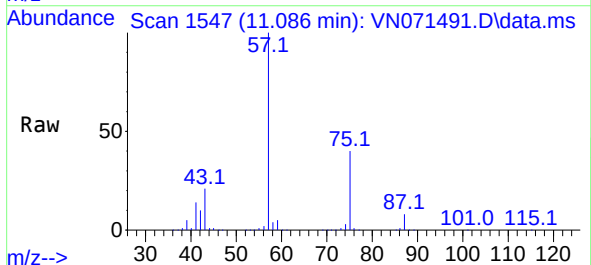
Instrument :
 MSVOA_N
 ClientSampleId :
 G-6-5-9-10

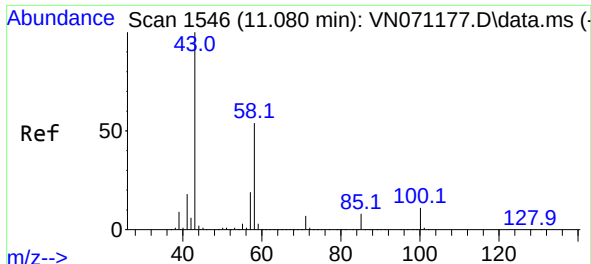
Tgt Ion: 75 Resp: 86008
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.4 39.6#
 39 31.9 42.5 63.7#



#57
 1,3-Dichloropropane
 Concen: 1.501 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN071491.D
 Acq: 23 Mar 2022 02:36

Tgt Ion: 76 Resp: 24889
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

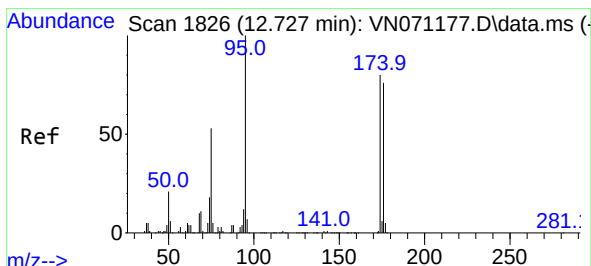
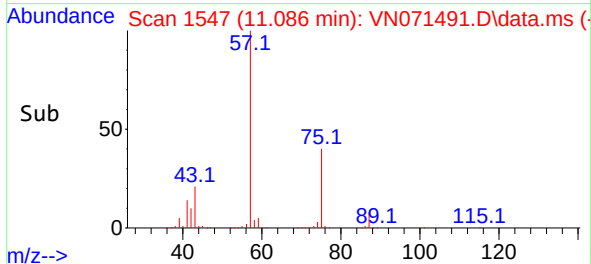
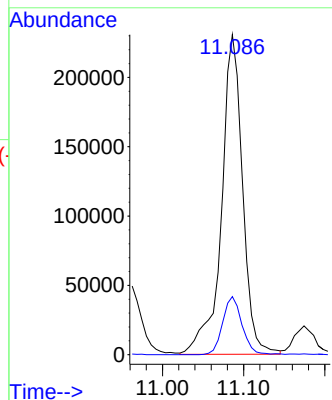
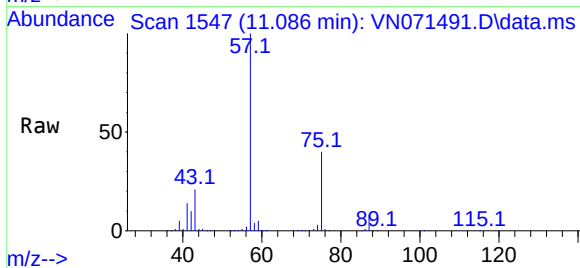




#59
2-Hexanone
Concen: 38.593 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

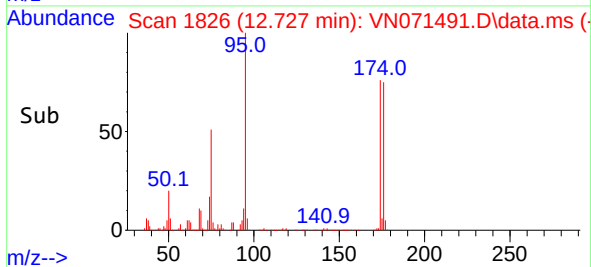
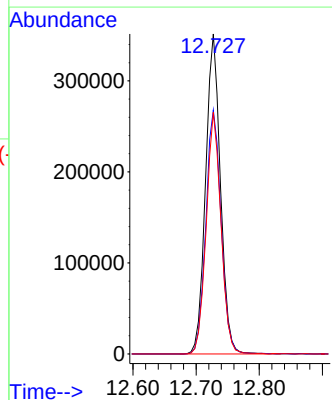
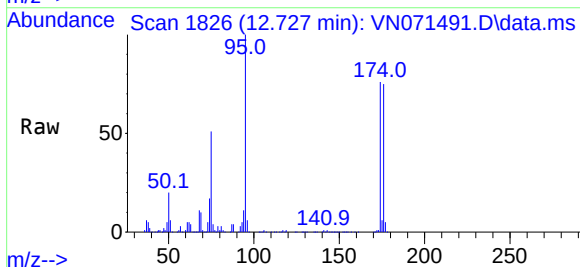
Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10

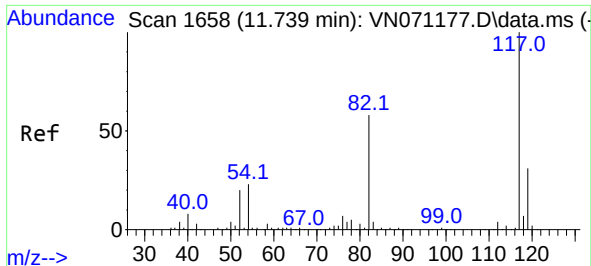
Tgt Ion: 43 Resp: 417859
Ion Ratio Lower Upper
43 100
58 16.7 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 54.259 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Tgt Ion: 95 Resp: 573648
Ion Ratio Lower Upper
95 100
174 78.7 0.0 187.2
176 75.1 0.0 181.4

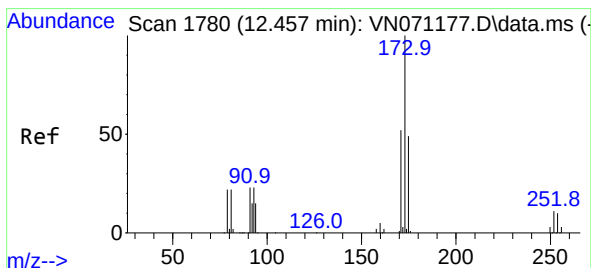
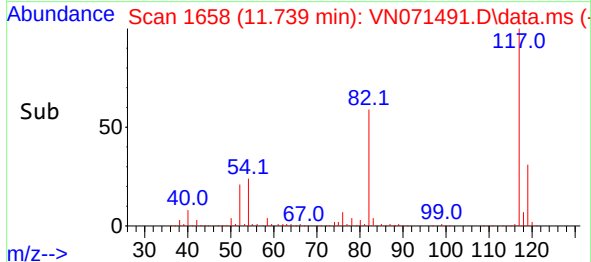
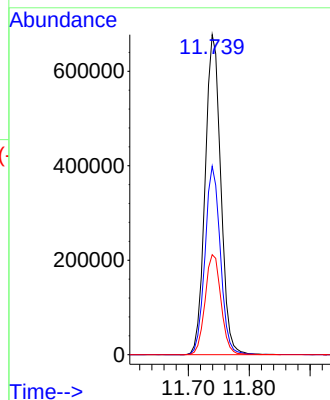
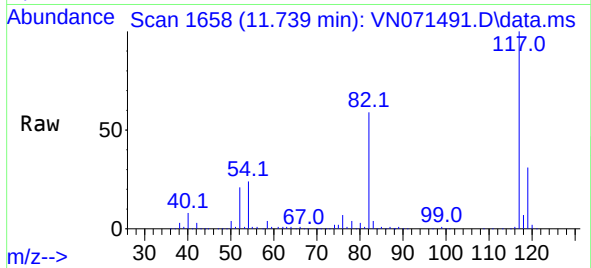




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

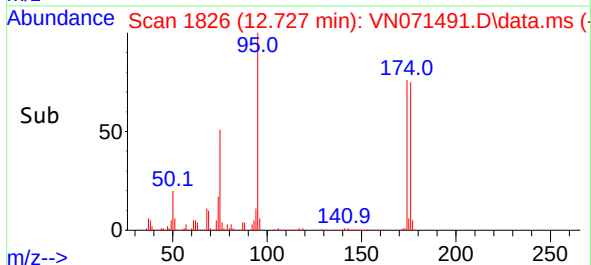
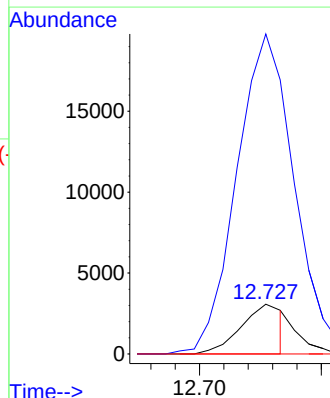
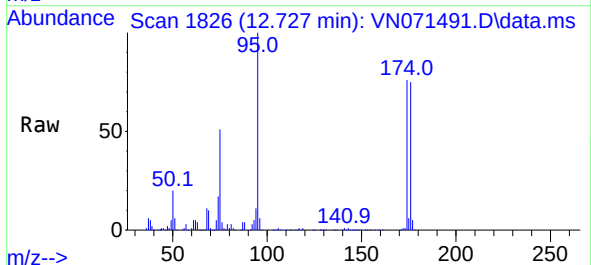
Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10

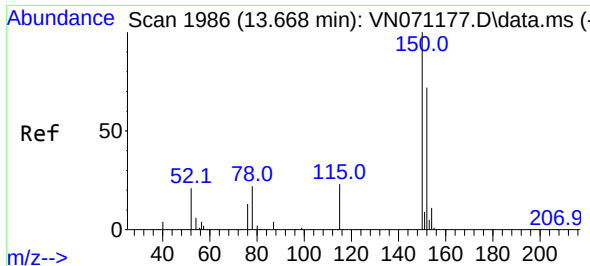
Tgt Ion:117 Resp: 1208305
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 31.3 25.4 38.2



#71
Bromoform
Concen: 0.508 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Tgt Ion:173 Resp: 3668
Ion Ratio Lower Upper
173 100
175 700.3 24.2 72.6#
254 0.0 0.0 0.0

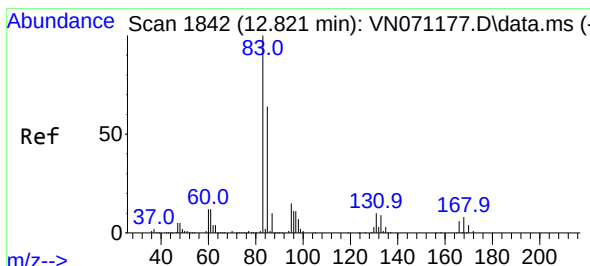
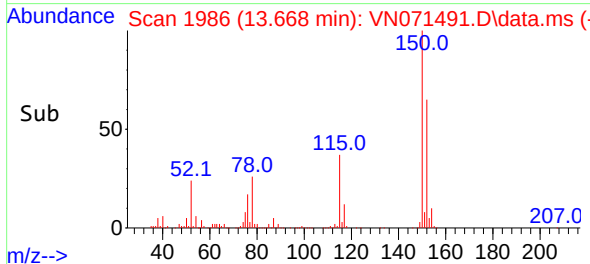
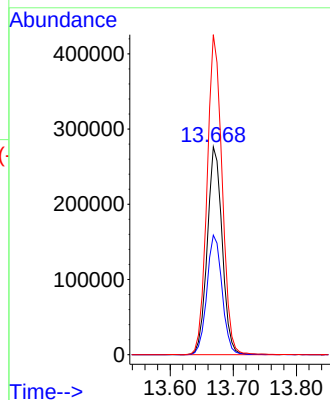
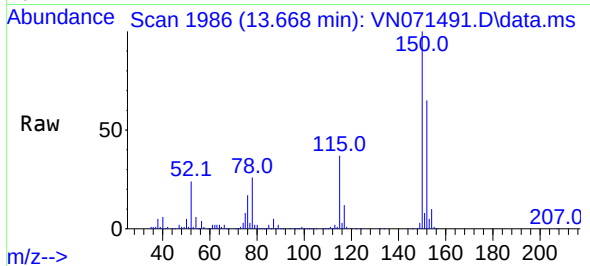




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

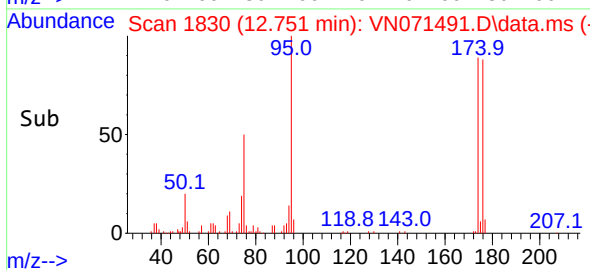
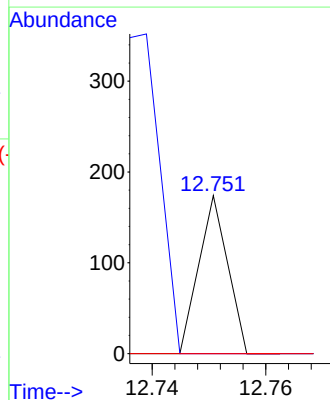
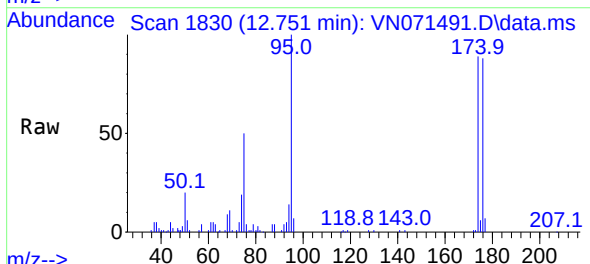
Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10

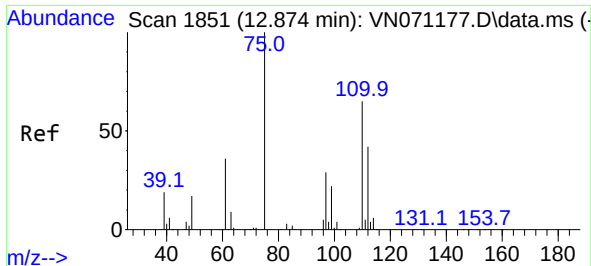
Tgt Ion:152 Resp: 452155
Ion Ratio Lower Upper
152 100
115 58.8 27.5 82.5
150 155.5 0.0 344.4



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.751 min Scan# 1830
Delta R.T. -0.070 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Tgt Ion: 83 Resp: 61
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#

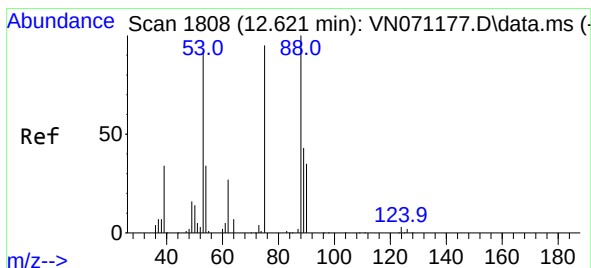
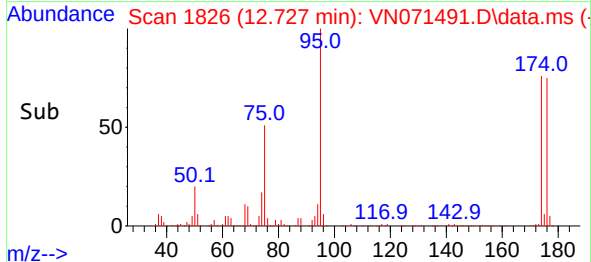
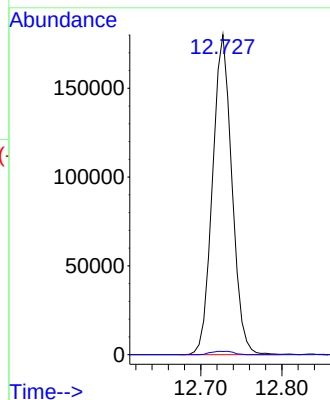
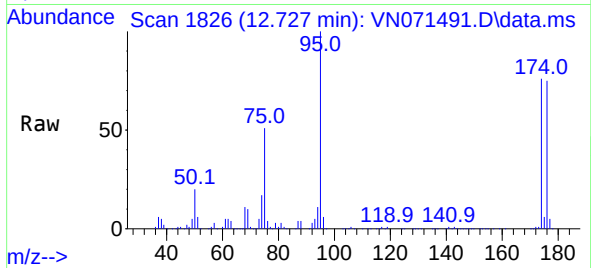




#76
1,2,3-Trichloropropane
Concen: 25.947 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

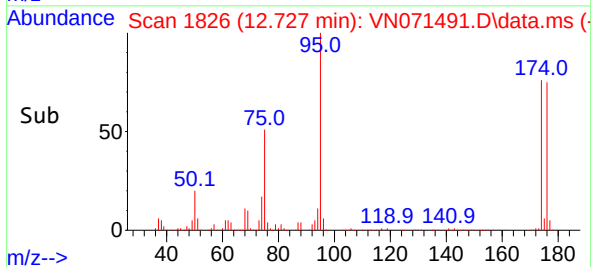
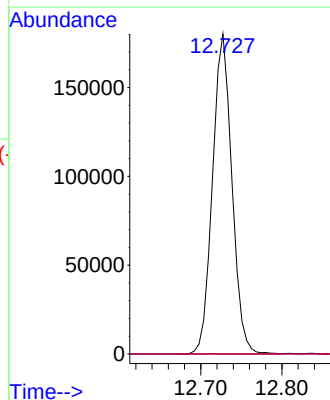
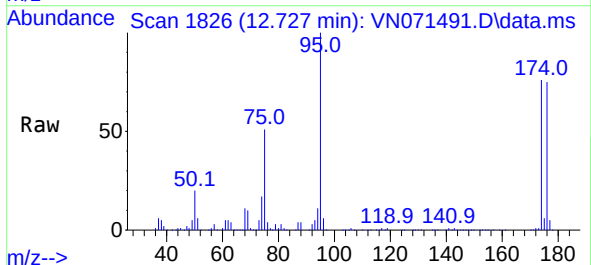
Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10

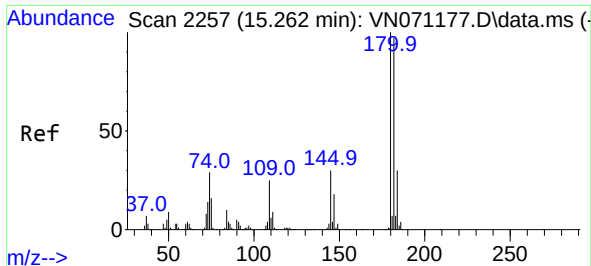
Tgt Ion: 75 Resp: 299220
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.536 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

Tgt Ion: 75 Resp: 299220
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

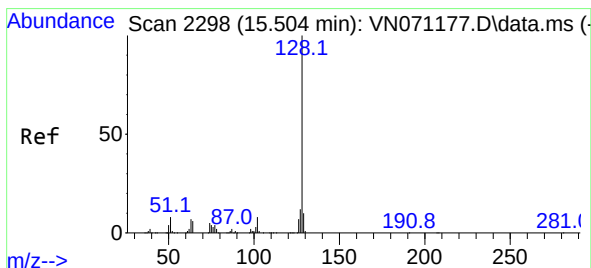
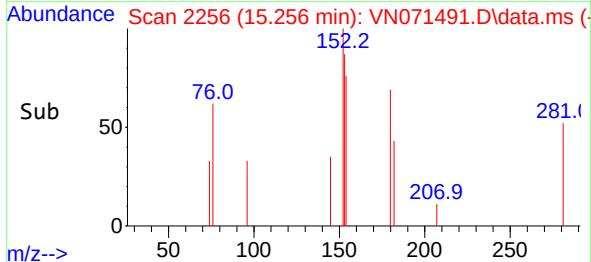
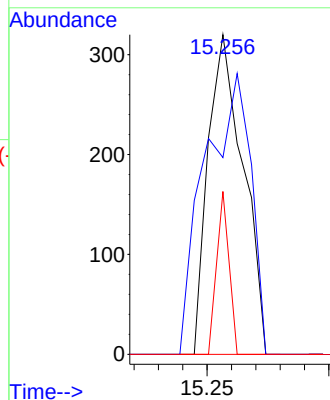
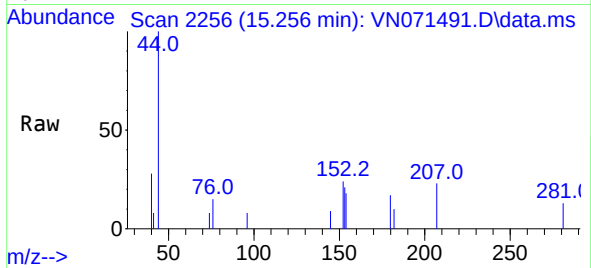




#93
1,2,4-Trichlorobenzene
Concen: 3.030 ug/l
RT: 15.256 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

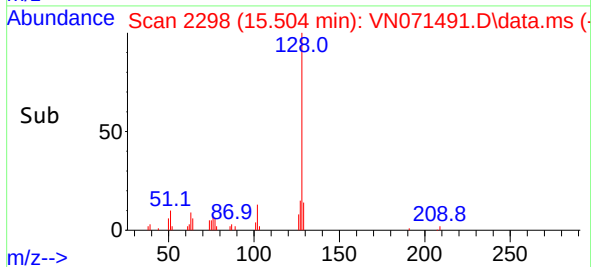
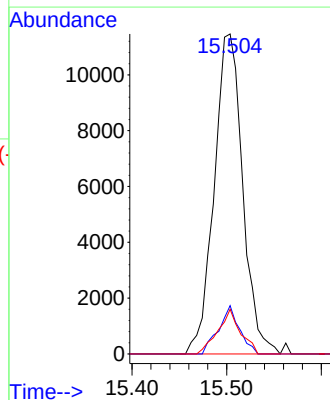
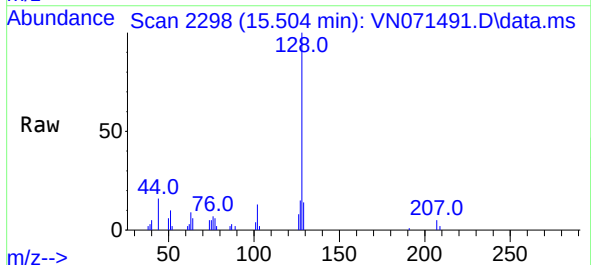
Instrument :
MSVOA_N
ClientSampleId :
G-6-5-9-10

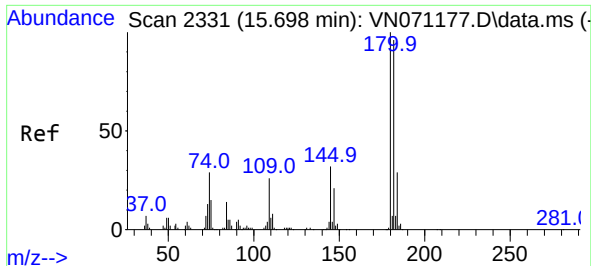
Tgt Ion:	180	Resp:	319
Ion	Ratio	Lower	Upper
180	100		
182	114.7	48.3	144.9
145	18.2	14.5	43.5



#95
Naphthalene
Concen: 6.108 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. -0.000 min
Lab File: VN071491.D
Acq: 23 Mar 2022 02:36

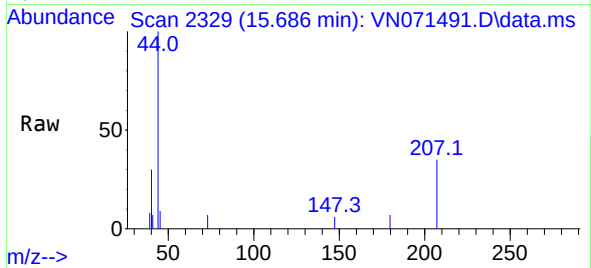
Tgt Ion:	128	Resp:	23994
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.5	15.7
129	11.0	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.748 ug/l
 RT: 15.686 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN071491.D
 Acq: 23 Mar 2022 02:36

Instrument :
 MSVOA_N
 ClientSampleId :
 G-6-5-9-10



Tgt Ion:180 Resp: 124
 Ion Ratio Lower Upper
 180 100
 182 132.3 47.4 142.2
 145 0.0 15.0 45.1#

