

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071301.D
 Acq On : 15 Mar 2022 18:52
 Operator : JC\MD
 Sample : PB143286ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#02

Quant Time: Mar 16 08:06:15 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)

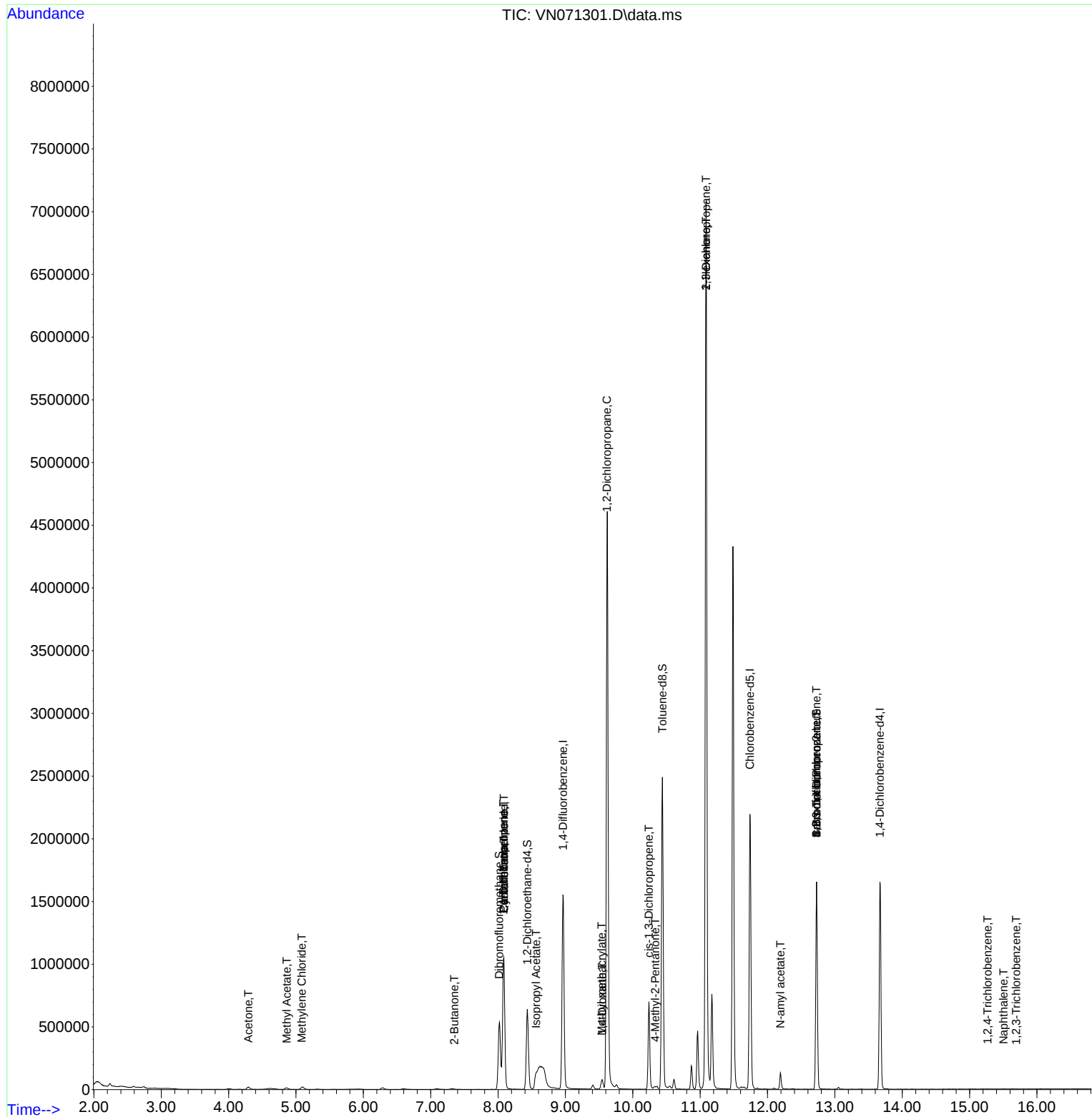
Internal Standards						
1) Pentafluorobenzene	8.086	168	813979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1359017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1280009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	461610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	517716	46.407	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.820%		
35) Dibromofluoromethane	8.016	113	394318	45.980	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.960%		
50) Toluene-d8	10.439	98	1692470	49.016	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.040%		
62) 4-Bromofluorobenzene	12.727	95	556567	47.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.200%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.828	94	67	Below Cal	#	3
16) Acetone	4.293	43	32807	6.044	ug/l	93
18) Methyl Acetate	4.863	43	27874	2.364	ug/l #	51
20) Methylene Chloride	5.087	84	15053	1.888	ug/l #	93
25) 2-Butanone	7.351	43	6706	0.767	ug/l #	81
31) Cyclohexane	8.086	56	17177	0.964	ug/l #	7
36) 1,1-Dichloropropene	8.081	75	64928	4.725	ug/l #	49
38) Carbon Tetrachloride	8.086	117	78686	5.920	ug/l #	16
43) Isopropyl Acetate	8.563	43	156687	5.541	ug/l #	76
45) 1,2-Dichloropropane	9.616	63	6090	0.548	ug/l #	44
48) Methyl methacrylate	9.539	41	20678	1.578	ug/l #	8
49) 1,4-Dioxane	9.545	88	54	0.237	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	14335	0.817	ug/l	98
54) cis-1,3-Dichloropropene	10.239	75	119556	7.181	ug/l #	59
57) 1,3-Dichloropropane	11.086	76	77284	4.215	ug/l #	43
59) 2-Hexanone	11.086	43	1166137	97.386	ug/l #	49
71) Bromoform	12.727	173	3737	0.488	ug/l #	1
74) N-amyl acetate	12.192	43	41074	2.455	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.727	83	388	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	286395	24.139	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	286395	67.068	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	343	3.032	ug/l #	62
95) Naphthalene	15.504	128	1086	5.114	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.692	180	125	2.748	ug/l #	1

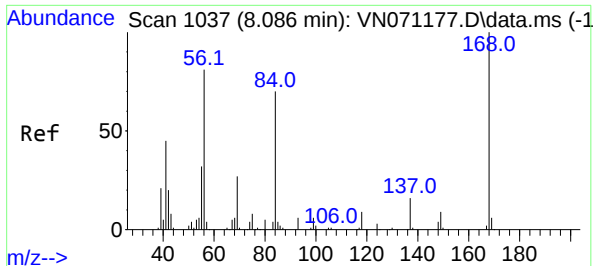
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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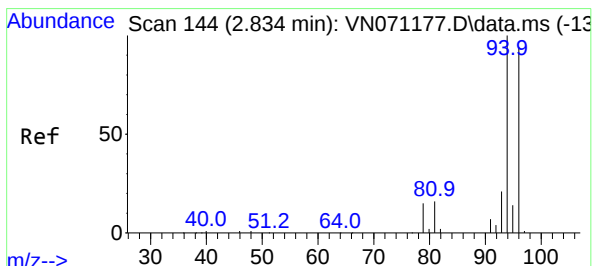
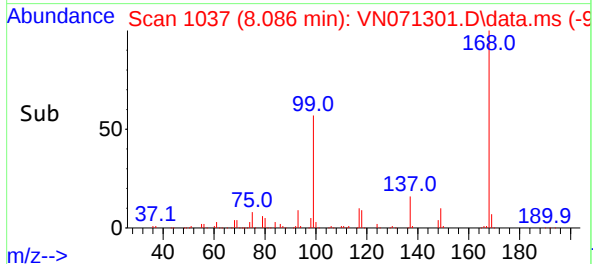
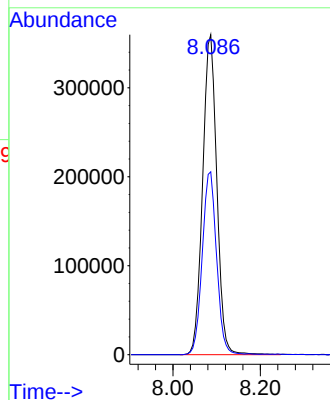
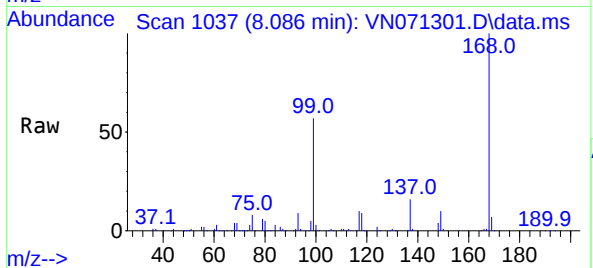




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

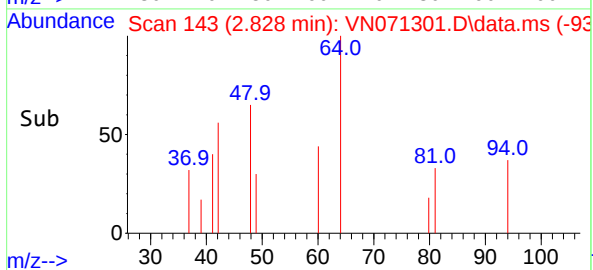
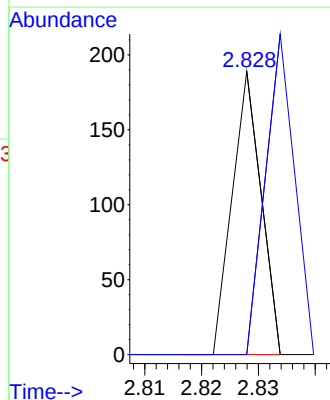
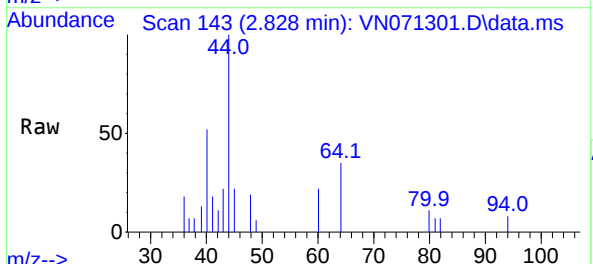
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

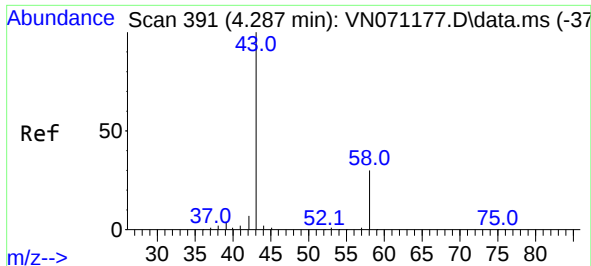
Tgt Ion:168 Resp: 813979
Ion Ratio Lower Upper
168 100
99 57.2 41.3 61.9



#5
Bromomethane
Concen: Below Cal
RT: 2.828 min Scan# 143
Delta R.T. -0.006 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion: 94 Resp: 67
Ion Ratio Lower Upper
94 100
96 0.0 73.8 110.8#

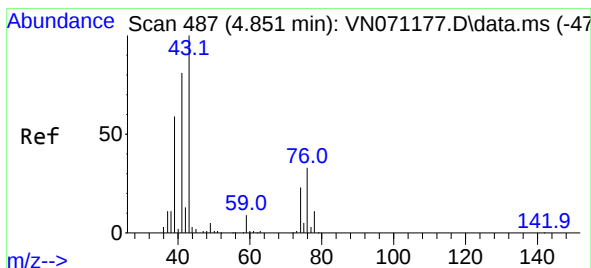
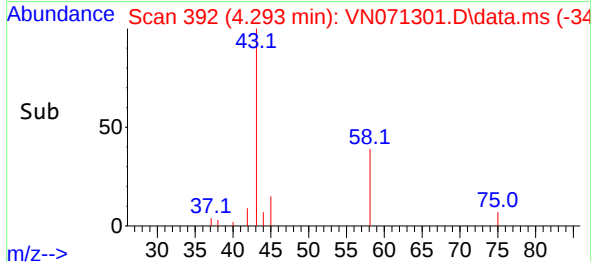
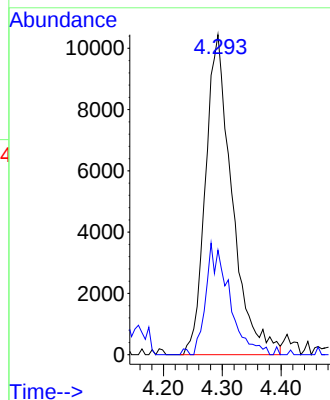
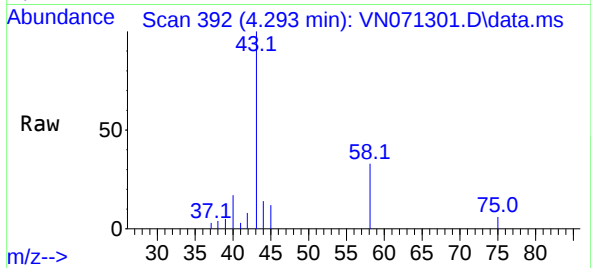




#16
Acetone
Concen: 6.044 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

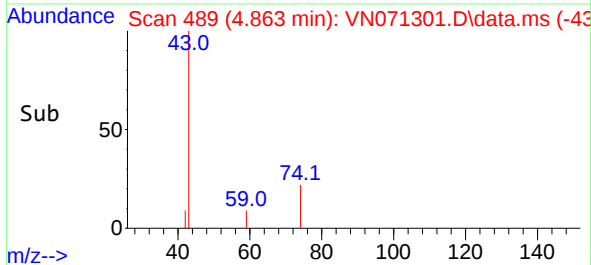
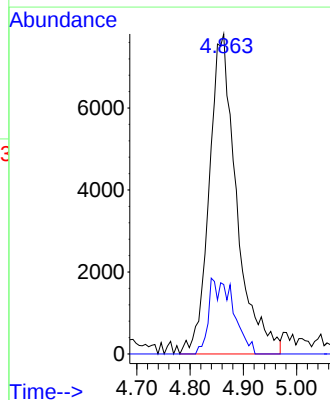
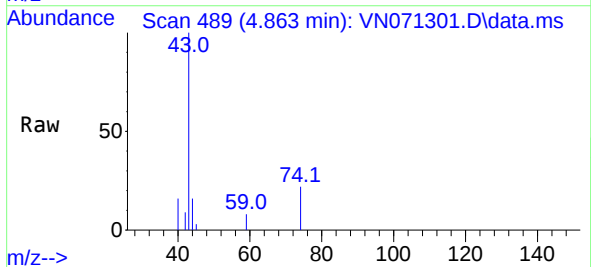
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

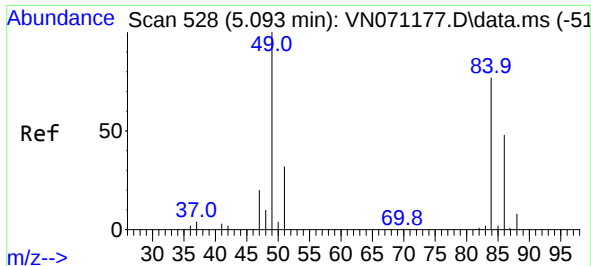
Tgt Ion: 43 Resp: 32807
Ion Ratio Lower Upper
43 100
58 32.7 23.1 34.7



#18
Methyl Acetate
Concen: 2.364 ug/l
RT: 4.863 min Scan# 489
Delta R.T. 0.012 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion: 43 Resp: 27874
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



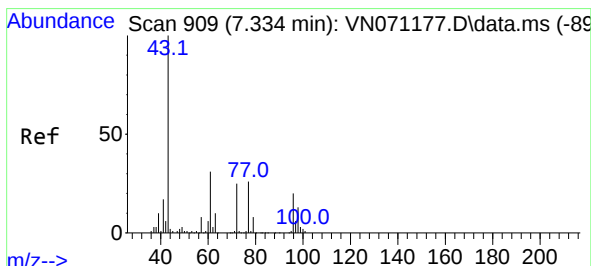
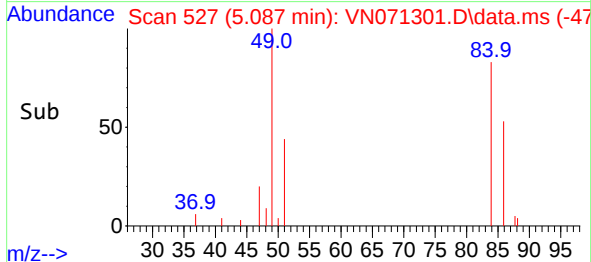
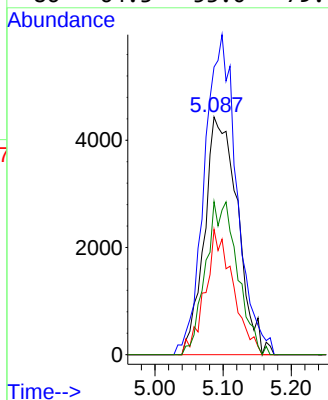
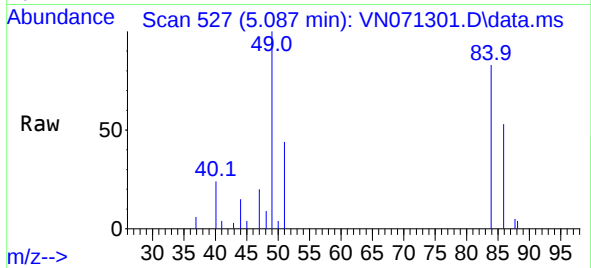


#20
Methylene Chloride
Concen: 1.888 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

Tgt Ion: 84 Resp: 15053

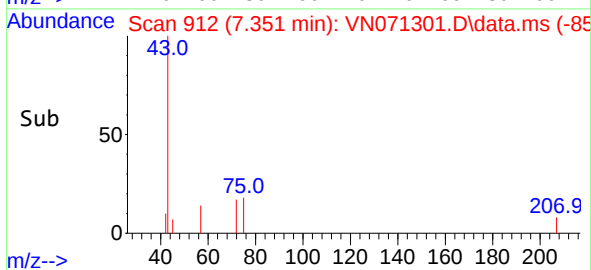
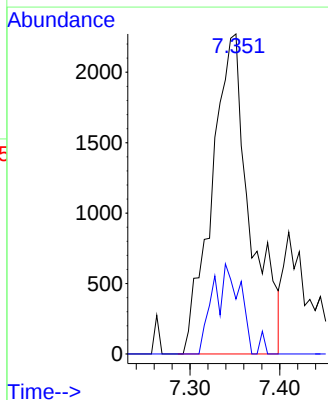
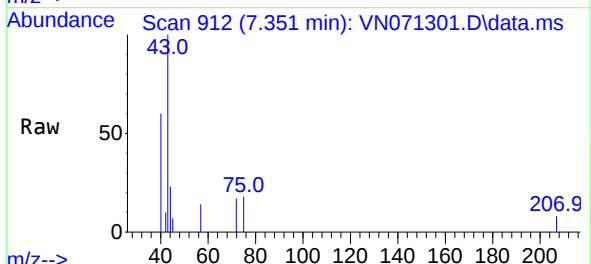
Ion	Ratio	Lower	Upper
84	100		
49	121.0	93.5	140.3
51	52.7	29.4	44.2#
86	64.3	53.0	79.4

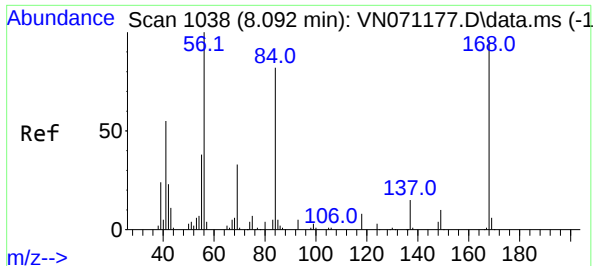


#25
2-Butanone
Concen: 0.767 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.018 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion: 43 Resp: 6706

Ion	Ratio	Lower	Upper
43	100		
72	17.2	21.7	32.5#





#31

Cyclohexane

Concen: 0.964 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN071301.D

Acq: 15 Mar 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB143286ZHE#02

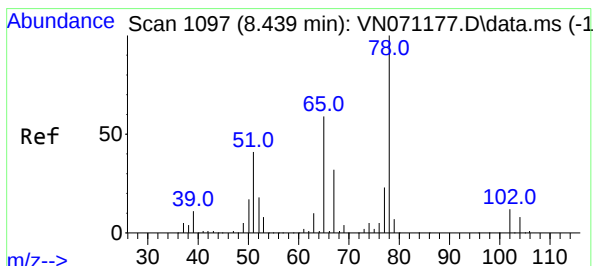
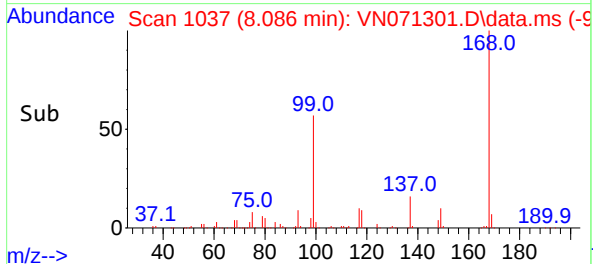
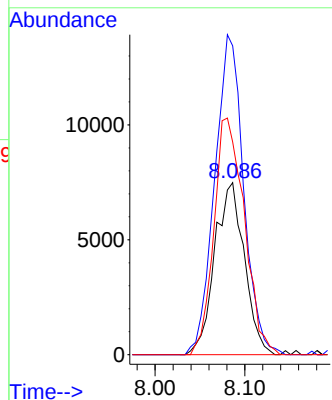
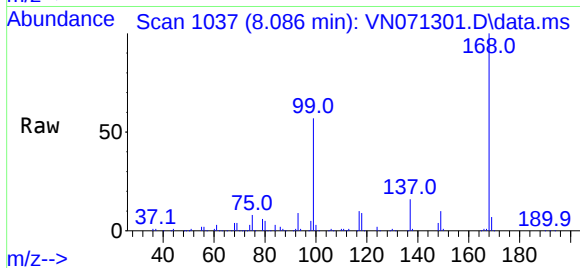
Tgt Ion: 56 Resp: 17177

Ion Ratio Lower Upper

56 100

69 179.5 27.1 40.7#

84 123.6 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.407 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071301.D

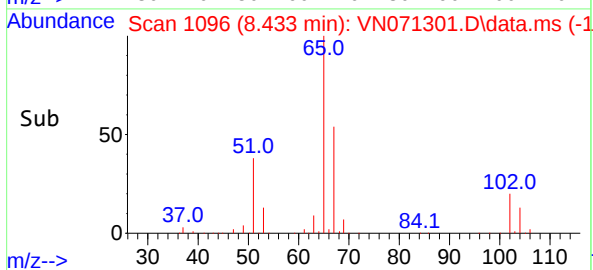
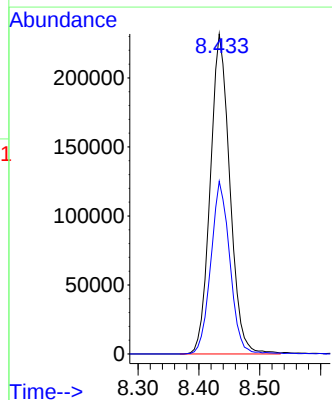
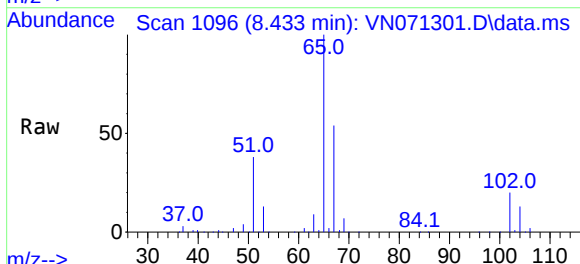
Acq: 15 Mar 2022 18:52

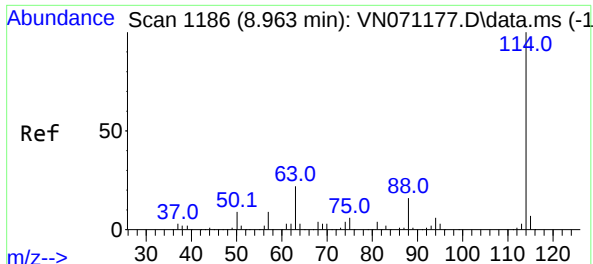
Tgt Ion: 65 Resp: 517716

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.0

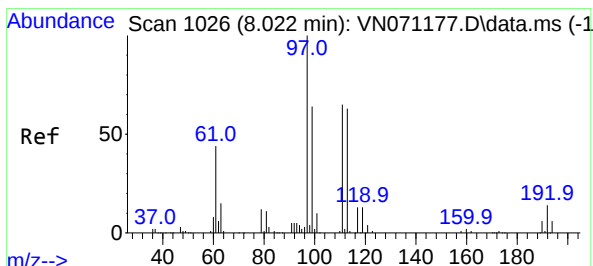
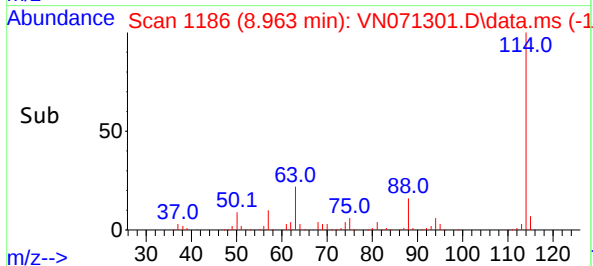
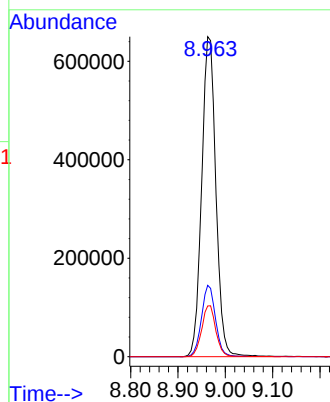
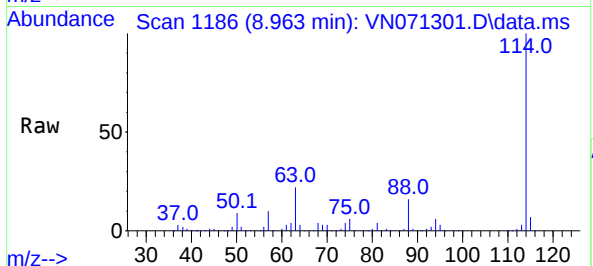




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

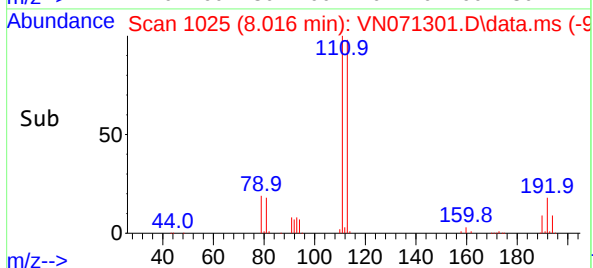
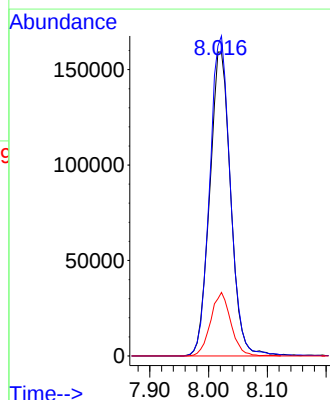
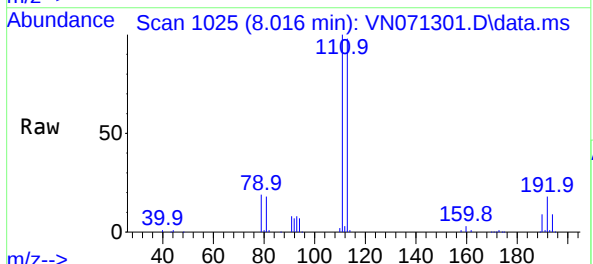
Instrument :
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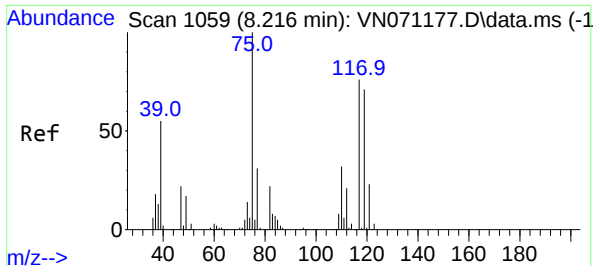
Tgt Ion:114 Resp: 1359017
Ion Ratio Lower Upper
114 100
63 22.3 0.0 37.8
88 15.9 0.0 27.4



#35
Dibromofluoromethane
Concen: 45.980 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion:113 Resp: 394318
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 20.1 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.725 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071301.D

Acq: 15 Mar 2022 18:52

Instrument :

MSVOA_N

ClientSampleId :

PB143286ZHE#02

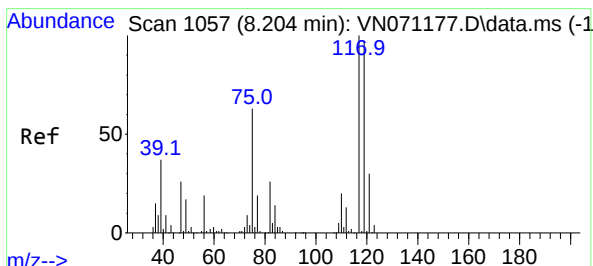
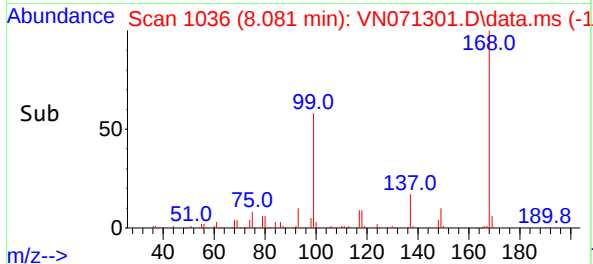
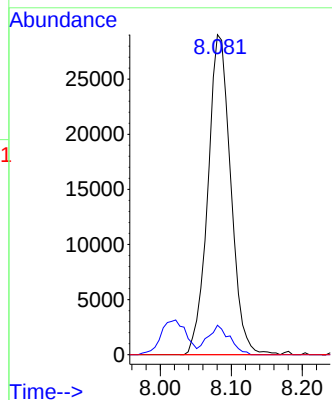
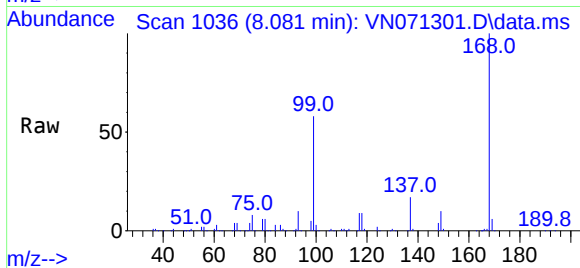
Tgt Ion: 75 Resp: 64928

Ion Ratio Lower Upper

75 100

110 8.9 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.920 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN071301.D

Acq: 15 Mar 2022 18:52

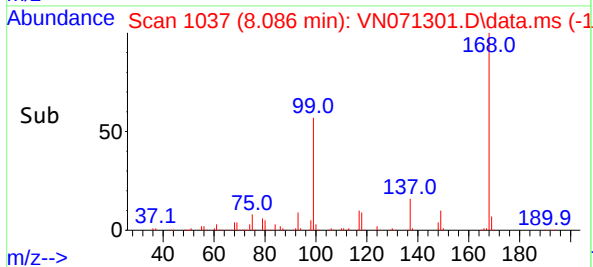
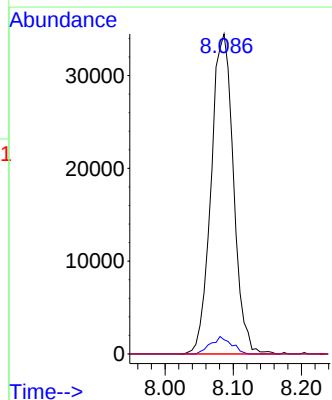
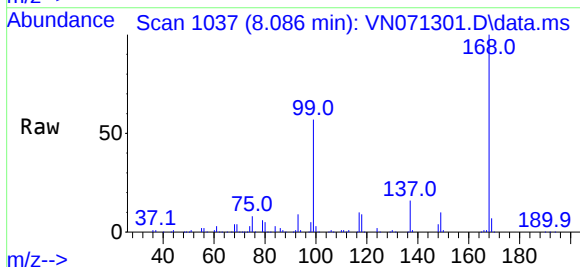
Tgt Ion: 117 Resp: 78686

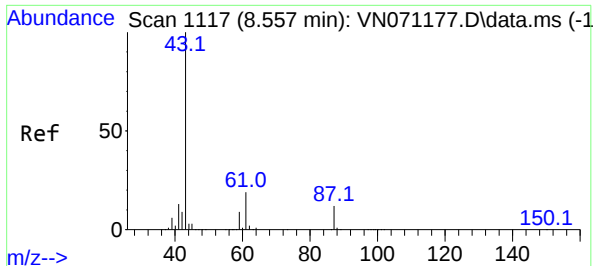
Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

121 0.0 24.2 36.2#

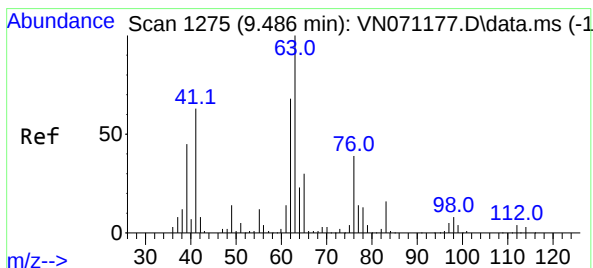
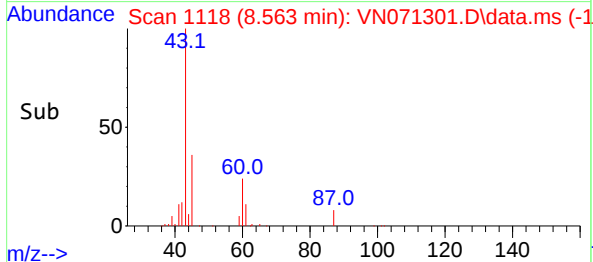
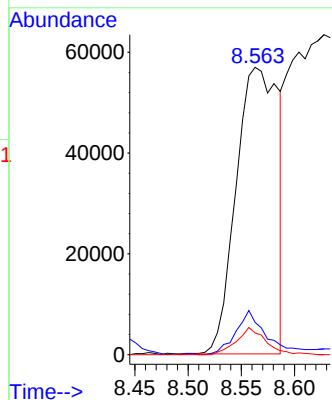
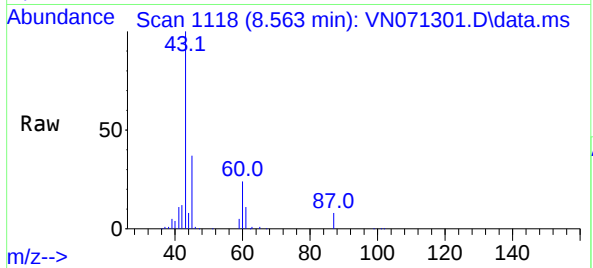




#43
Isopropyl Acetate
Concen: 5.541 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

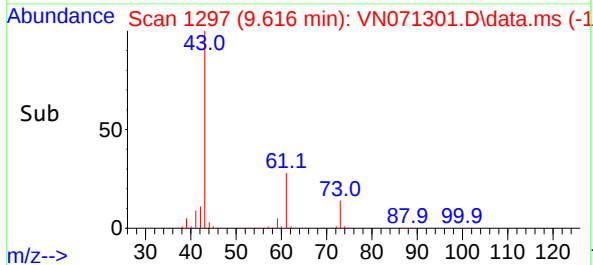
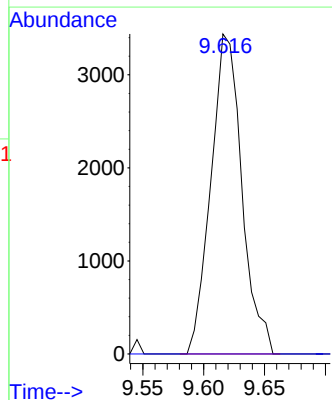
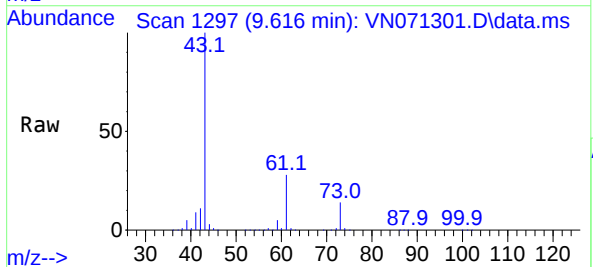
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

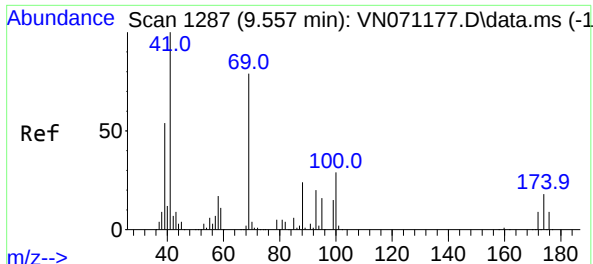
Tgt Ion: 43 Resp: 156687
Ion Ratio Lower Upper
43 100
61 11.4 20.4 30.6#
87 6.6 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.548 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion: 63 Resp: 6090
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#

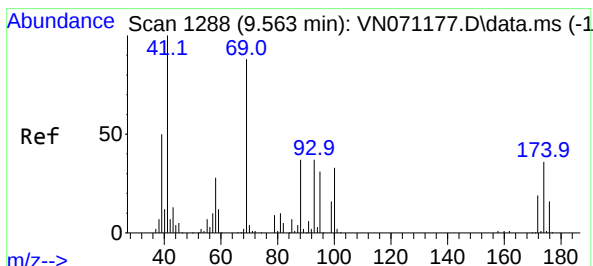
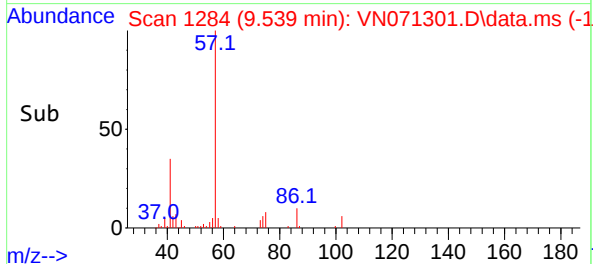
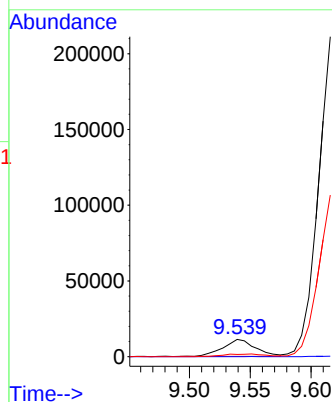
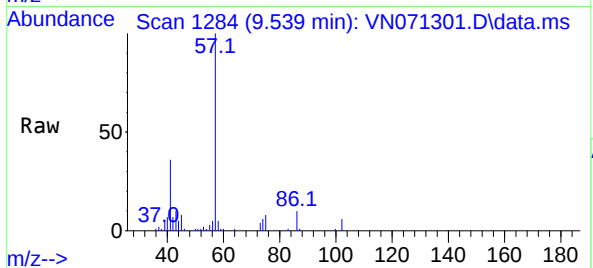




#48
Methyl methacrylate
Concen: 1.578 ug/l
RT: 9.539 min Scan# 1284
Delta R.T. -0.018 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

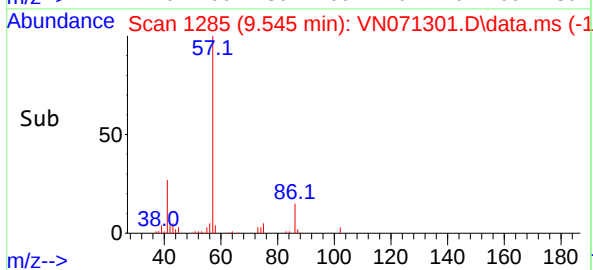
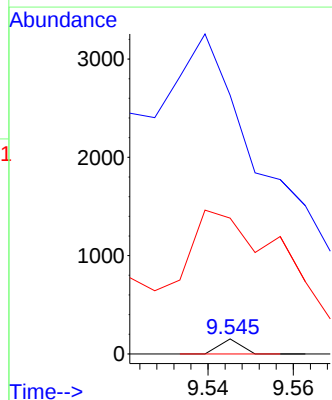
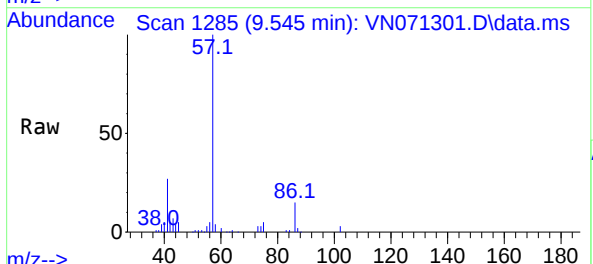
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

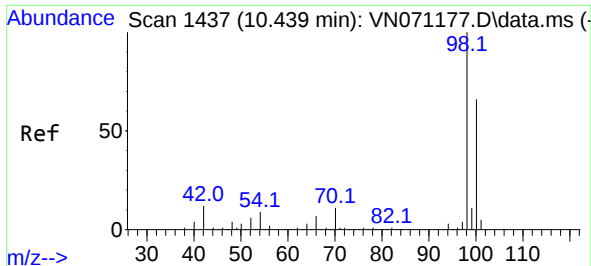
Tgt Ion: 41 Resp: 20678
Ion Ratio Lower Upper
41 100
69 0.3 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 0.237 ug/l
RT: 9.545 min Scan# 1285
Delta R.T. -0.018 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 5909.3 50.6 75.8#

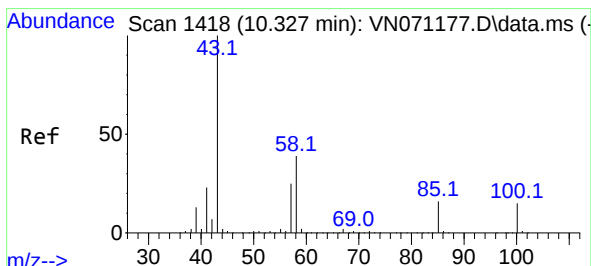
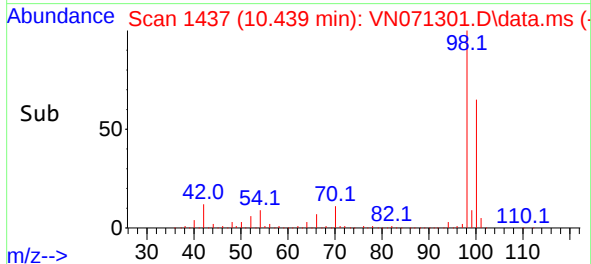
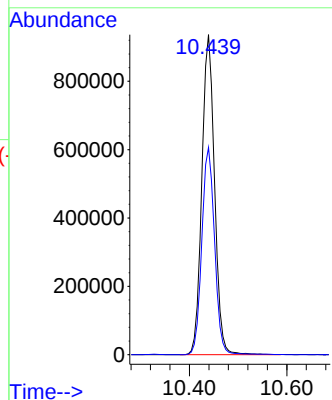
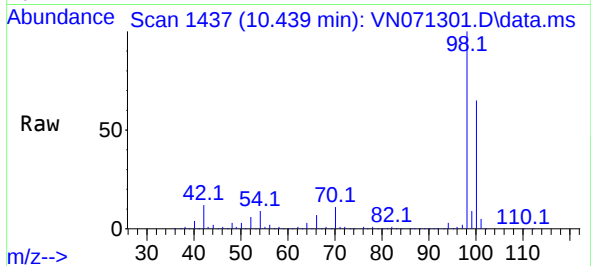




#50
Toluene-d8
Concen: 49.016 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

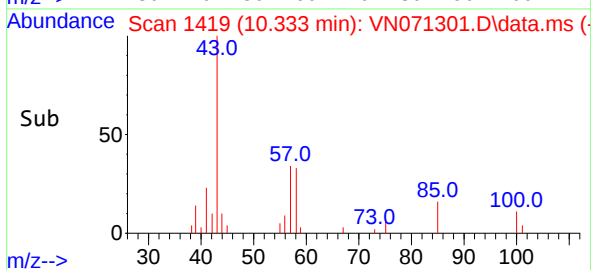
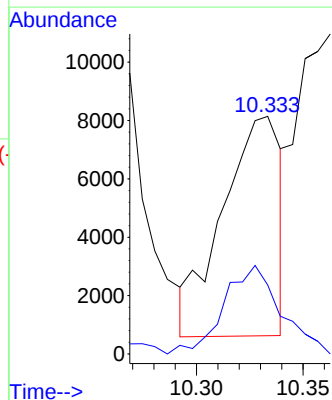
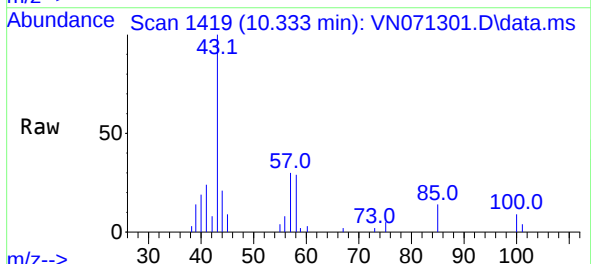
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

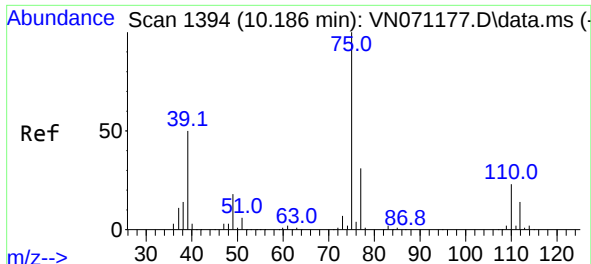
Tgt Ion: 98 Resp: 1692470
Ion Ratio Lower Upper
98 100
100 65.4 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.817 ug/l
RT: 10.333 min Scan# 1419
Delta R.T. 0.006 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion: 43 Resp: 14335
Ion Ratio Lower Upper
43 100
58 39.2 30.4 45.6

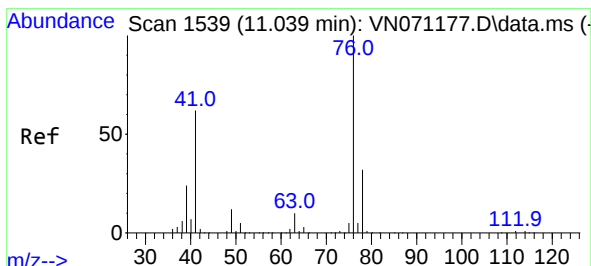
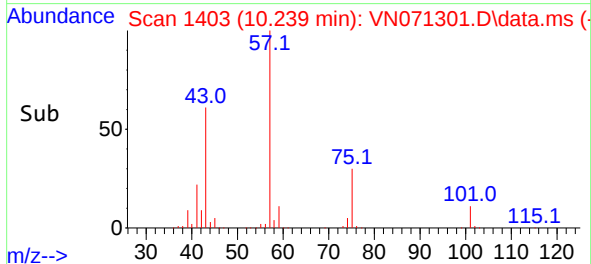
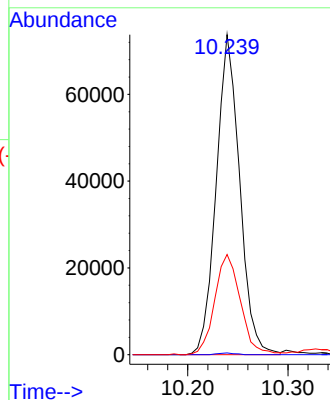
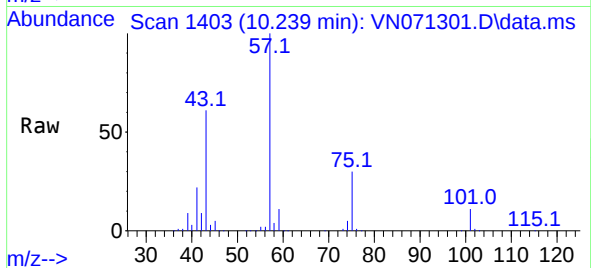




#54
cis-1,3-Dichloropropene
Concen: 7.181 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

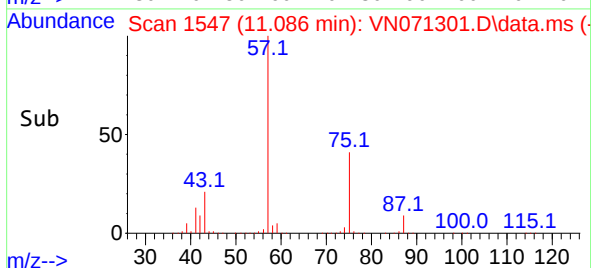
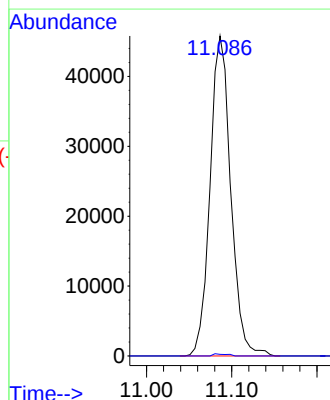
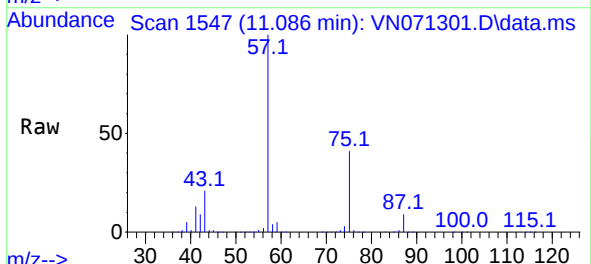
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

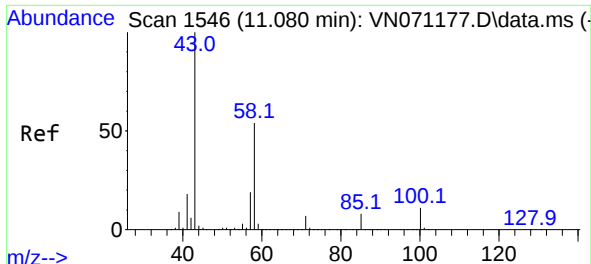
Tgt Ion: 75 Resp: 119556
Ion Ratio Lower Upper
75 100
77 0.5 26.4 39.6#
39 31.3 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 4.215 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion: 76 Resp: 77284
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#

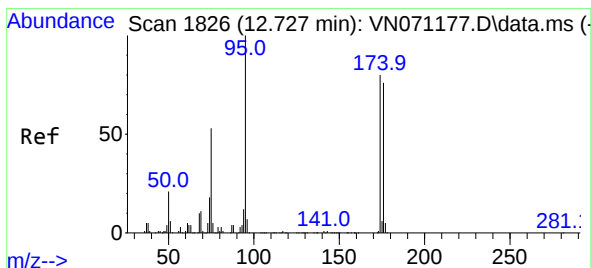
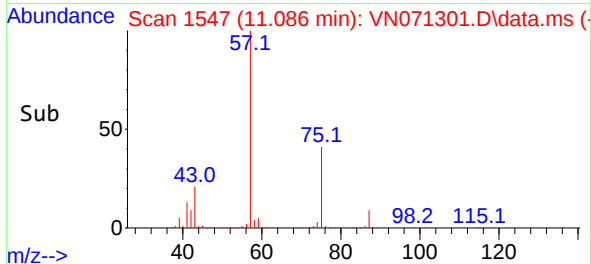
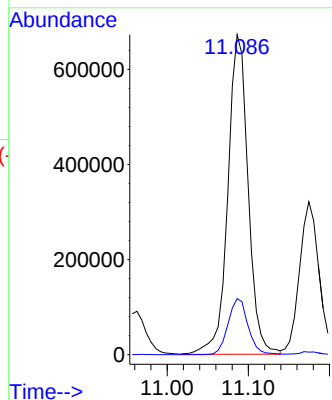
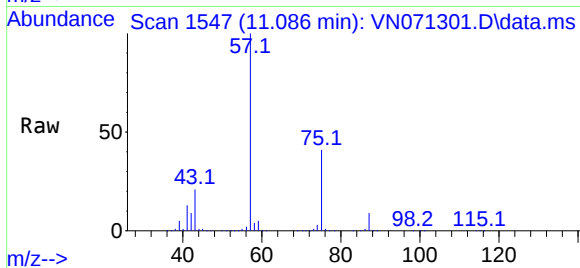




#59
2-Hexanone
Concen: 97.386 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

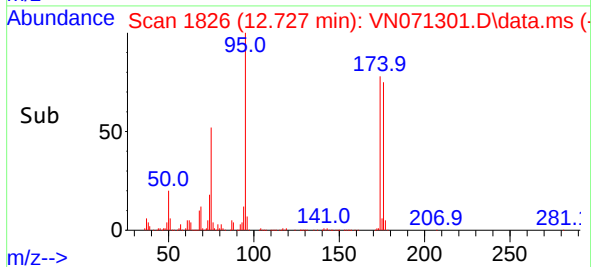
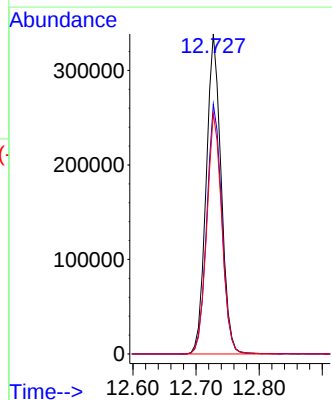
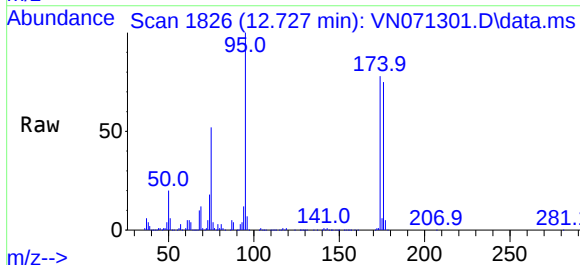
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

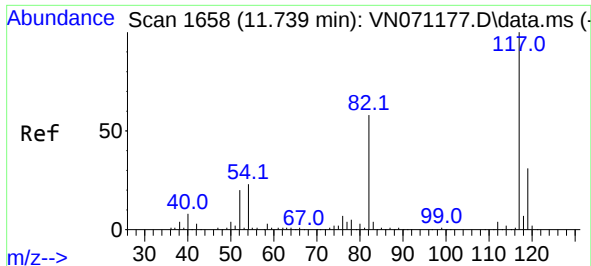
Tgt Ion: 43 Resp: 1166137
Ion Ratio Lower Upper
43 100
58 17.3 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 47.601 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion: 95 Resp: 556567
Ion Ratio Lower Upper
95 100
174 78.7 0.0 187.2
176 75.4 0.0 181.4

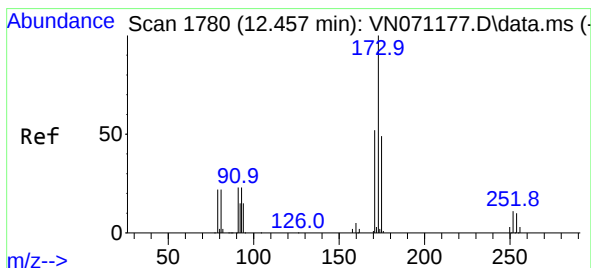
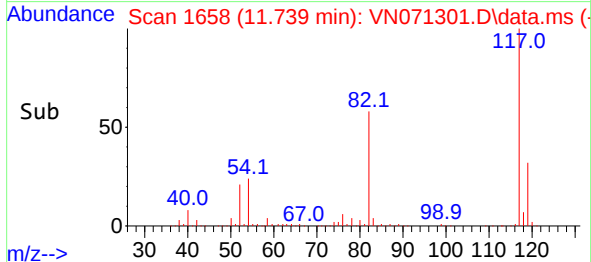
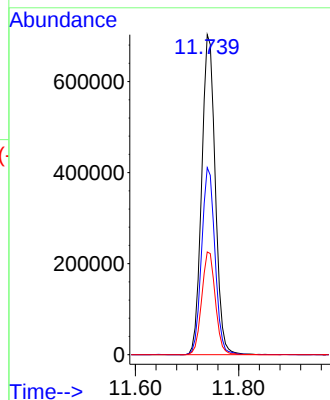
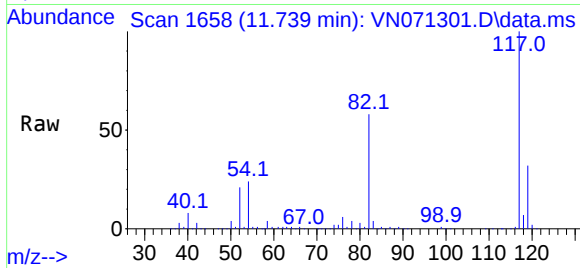




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

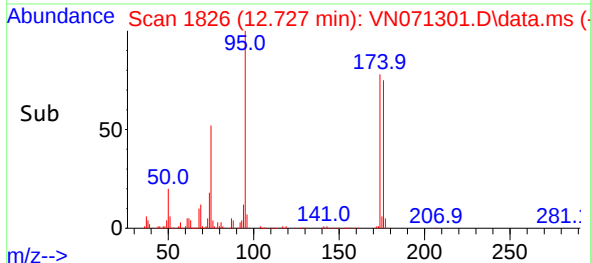
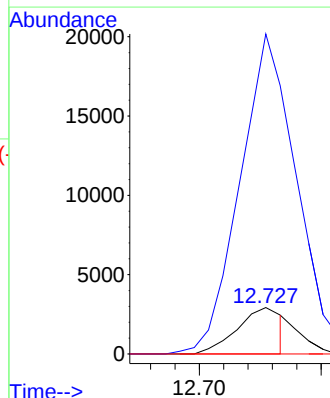
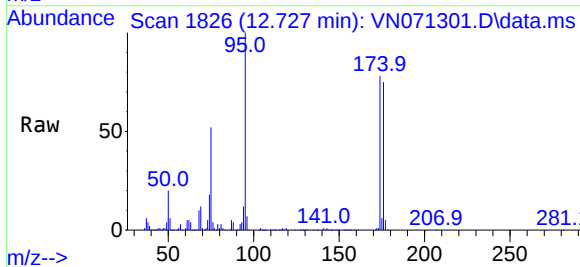
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

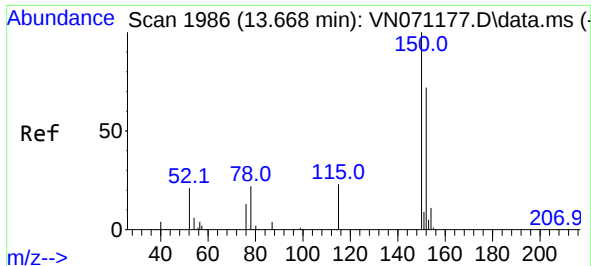
Tgt Ion:117 Resp: 1280009
Ion Ratio Lower Upper
117 100
82 58.4 42.4 63.6
119 32.1 25.4 38.2



#71
Bromoform
Concen: 0.488 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

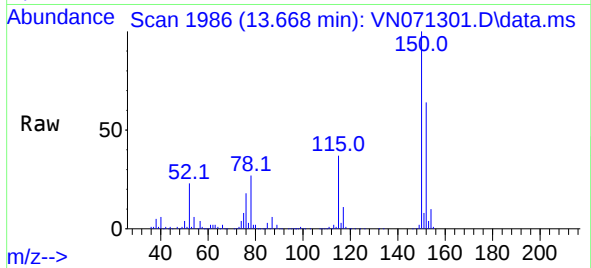
Tgt Ion:173 Resp: 3737
Ion Ratio Lower Upper
173 100
175 652.8 24.2 72.6#
254 0.0 0.0 0.0



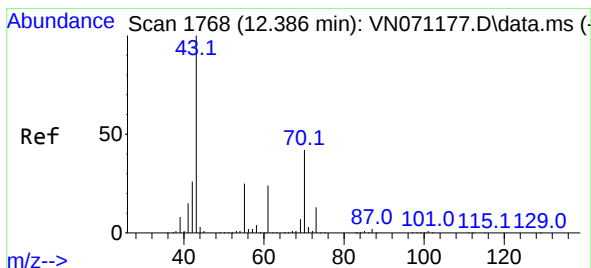
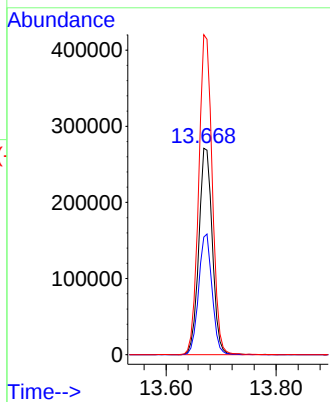
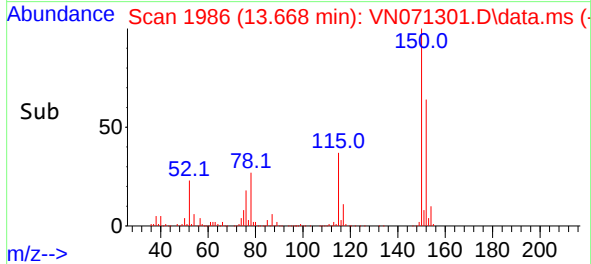


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

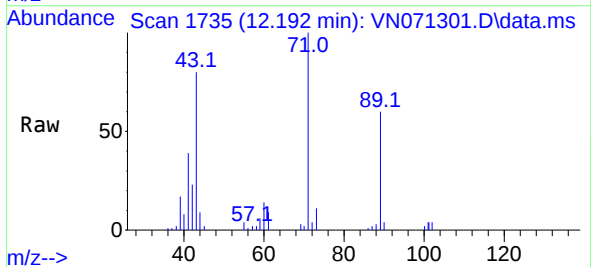
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02



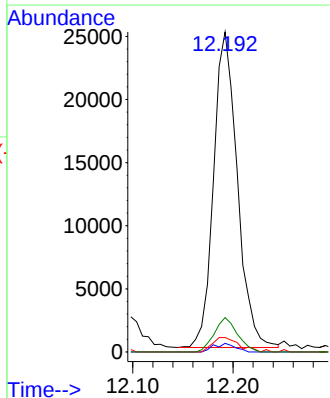
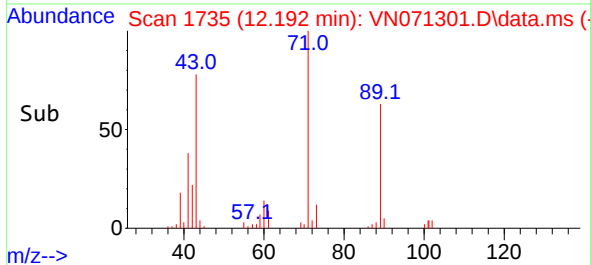
Tgt Ion:152 Resp: 461610
Ion Ratio Lower Upper
152 100
115 58.2 27.5 82.5
150 155.9 0.0 344.4

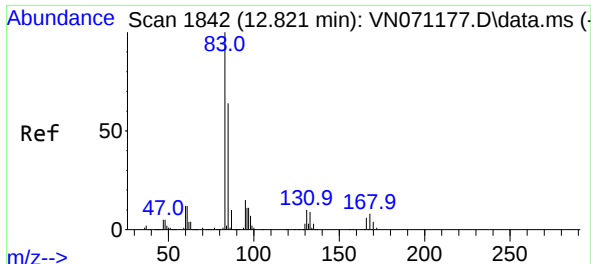


#74
N-ethyl acetate
Concen: 2.455 ug/l
RT: 12.192 min Scan# 1735
Delta R.T. -0.194 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52



Tgt Ion: 43 Resp: 41074
Ion Ratio Lower Upper
43 100
70 2.4 33.4 50.0#
55 5.2 19.3 28.9#
61 10.5 18.5 27.7#

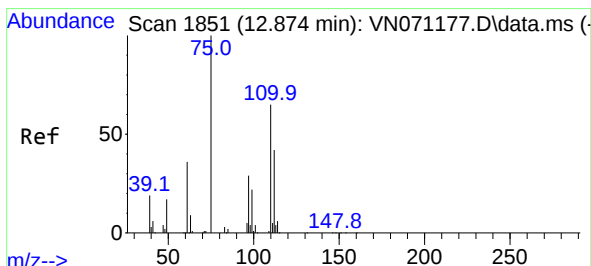
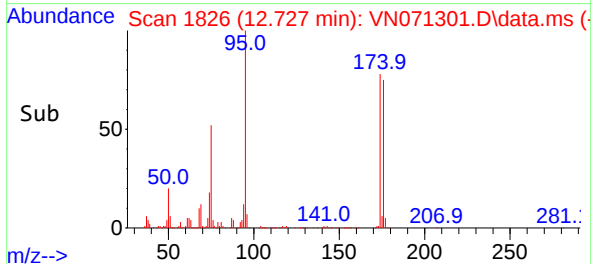
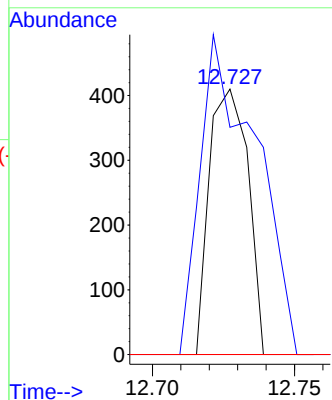
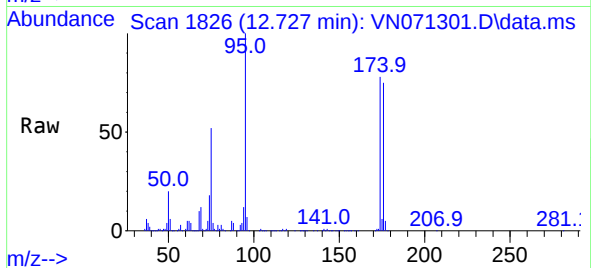




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.727 min Scan# 1826
Delta R.T. -0.094 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

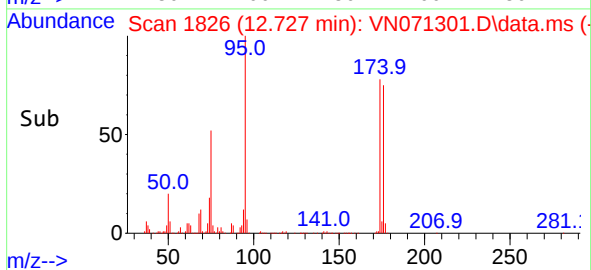
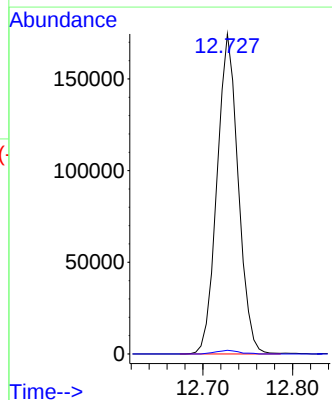
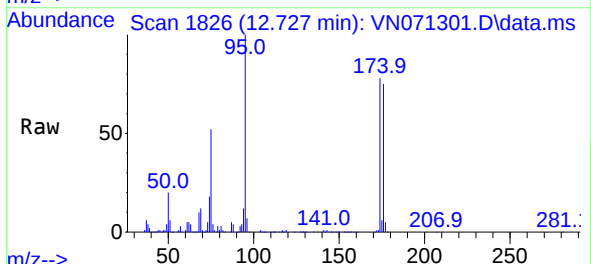
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

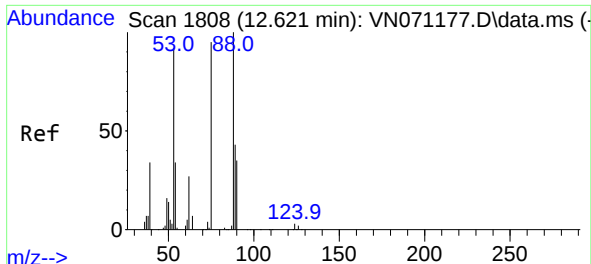
Tgt Ion: 83 Resp: 388
Ion Ratio Lower Upper
83 100
131 173.5 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 24.139 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion: 75 Resp: 286395
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

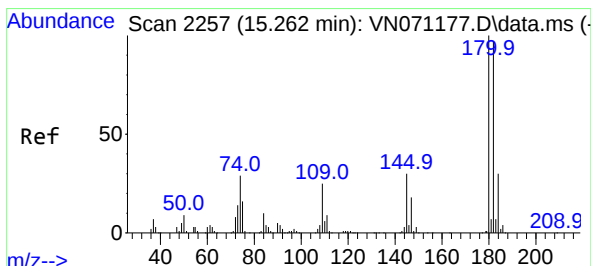
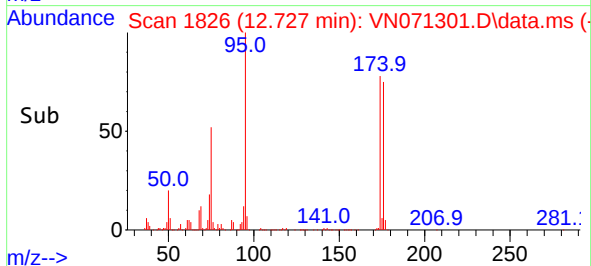
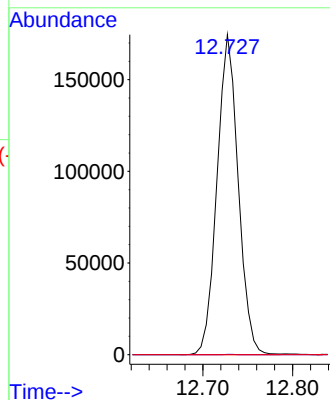
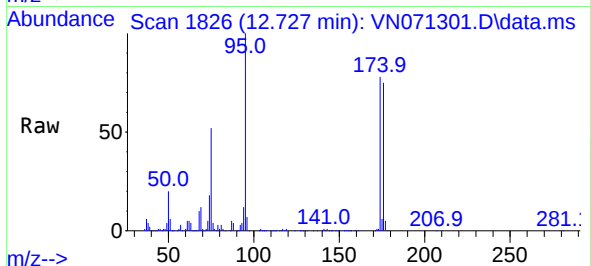




#81
trans-1,4-Dichloro-2-butene
Concen: 67.068 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

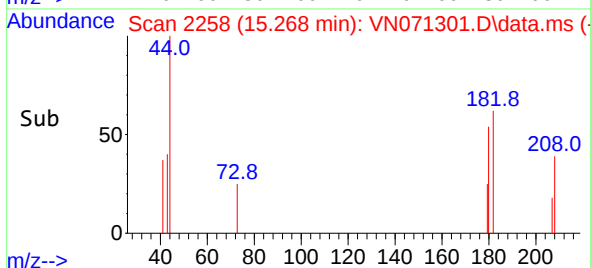
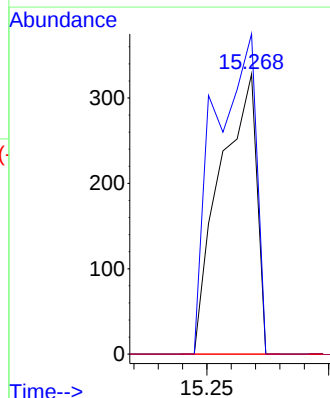
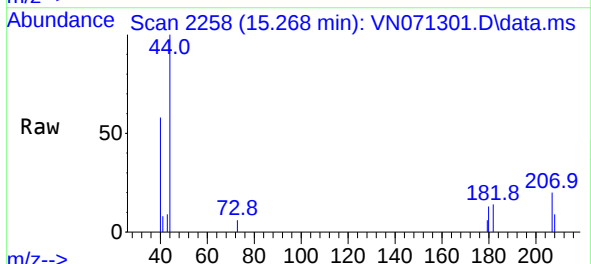
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

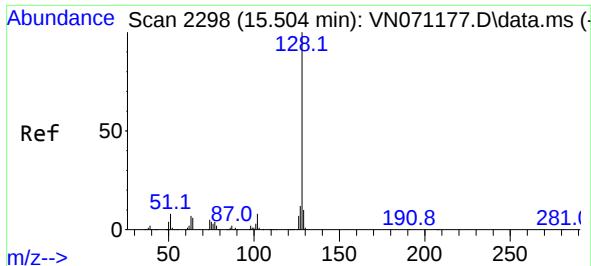
Tgt Ion: 75 Resp: 286395
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.032 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.006 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion:180 Resp: 343
Ion Ratio Lower Upper
180 100
182 128.6 48.3 144.9
145 0.0 14.5 43.5#

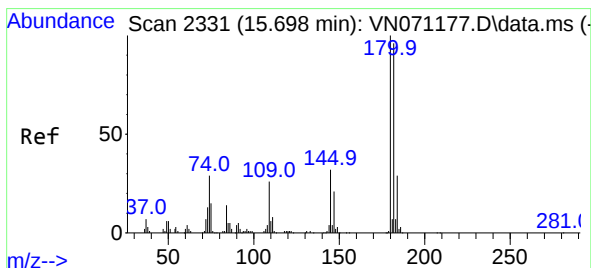
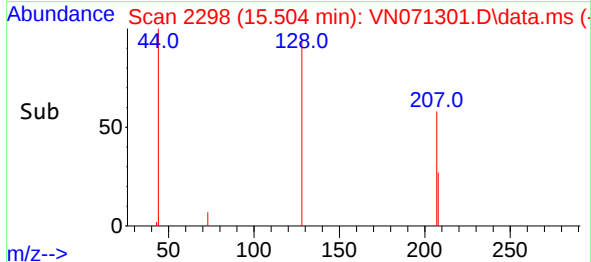
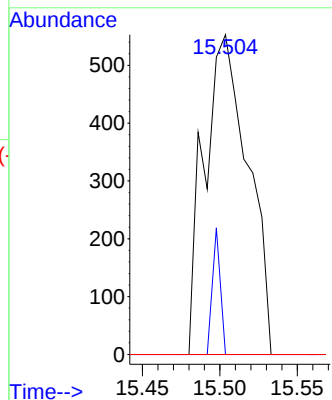
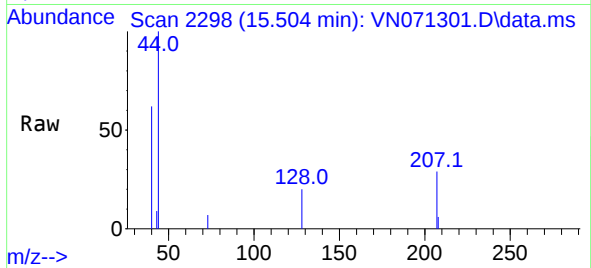




#95
Naphthalene
Concen: 5.114 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#02

Tgt Ion:128 Resp: 1086
Ion Ratio Lower Upper
128 100
127 7.1 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.748 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071301.D
Acq: 15 Mar 2022 18:52

Tgt Ion:180 Resp: 125
Ion Ratio Lower Upper
180 100
182 256.0 47.4 142.2#
145 0.0 15.0 45.1#

