

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022422\
 Data File : VN071061.D
 Acq On : 24 Feb 2022 17:32
 Operator : JC\MD
 Sample : PB142888ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB142888ZHE#06

Quant Time: Feb 25 02:45:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

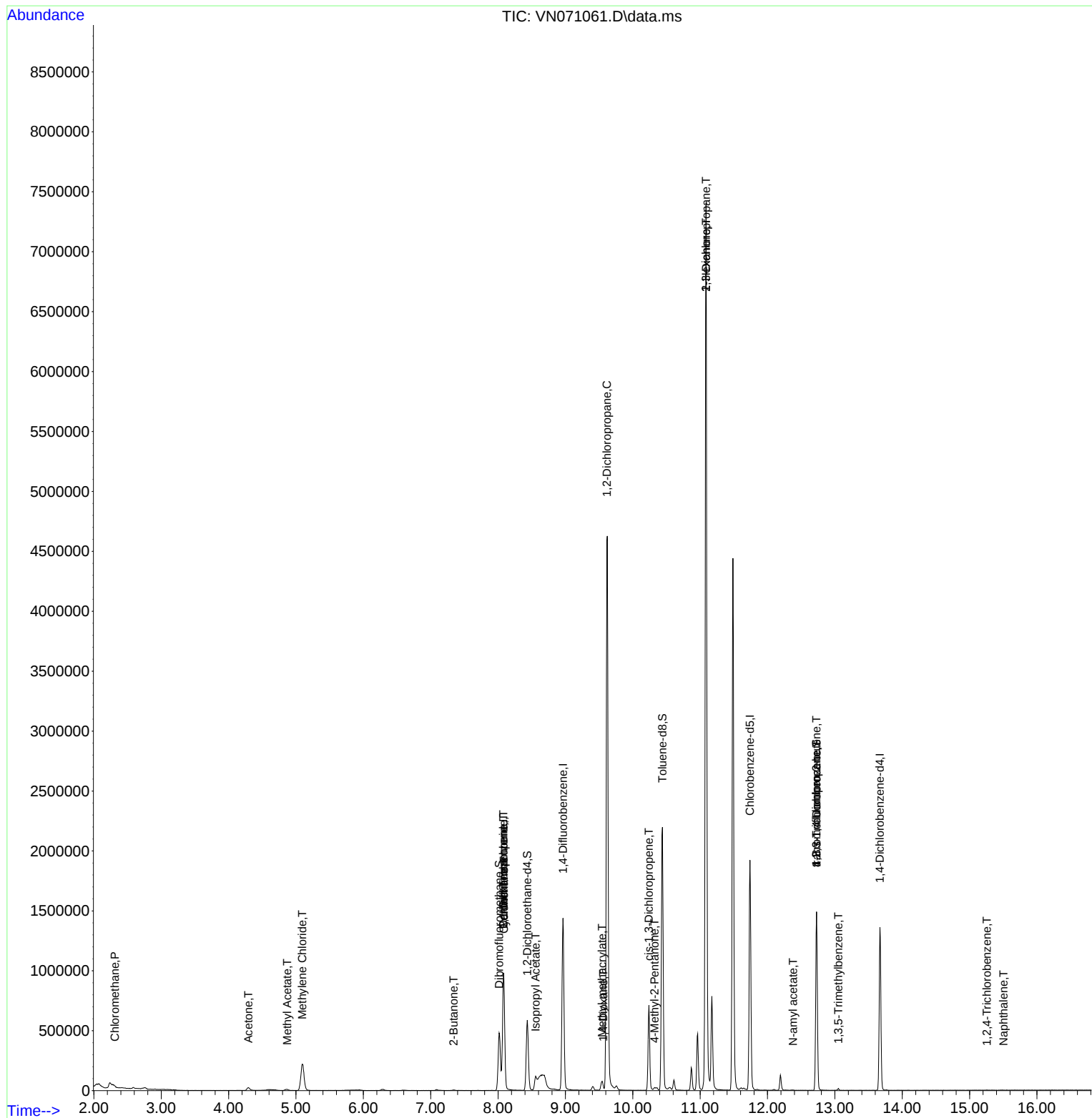
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	757389	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1253215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1120472	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	383365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	475993	55.017	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.040%			
35) Dibromofluoromethane	8.016	113	361979	48.561	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.120%			
50) Toluene-d8	10.439	98	1530218	51.118	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.727	95	519886	48.587	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.180%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.310	50	2694	0.272	ug/l #	84
16) Acetone	4.293	43	42330	8.884	ug/l	99
18) Methyl Acetate	4.869	43	23256	1.646	ug/l	94
20) Methylene Chloride	5.093	84	177372	20.483	ug/l	94
25) 2-Butanone	7.339	43	9142	1.442	ug/l	97
31) Cyclohexane	8.086	56	16160	1.080	ug/l #	14
36) 1,1-Dichloropropene	8.081	75	58311	4.775	ug/l #	49
38) Carbon Tetrachloride	8.081	117	71312	5.926	ug/l #	15
43) Isopropyl Acetate	8.557	43	146682	7.105	ug/l #	76
45) 1,2-Dichloropropane	9.616	63	5637	0.609	ug/l #	44
48) Methyl methacrylate	9.545	41	22227	2.275	ug/l #	8
49) 1,4-Dioxane	9.563	88	135	0.778	ug/l #	1
51) 4-Methyl-2-Pentanone	10.322	43	15592	1.241	ug/l	95
54) cis-1,3-Dichloropropene	10.239	75	124334	8.460	ug/l #	58
57) 1,3-Dichloropropane	11.086	76	78577	5.113	ug/l #	43
59) 2-Hexanone	11.086	43	1184535	137.122	ug/l #	49
74) N-amyl acetate	12.380	43	1991	0.202	ug/l #	46
76) 1,2,3-Trichloropropane	12.727	75	265269	29.388	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.051	105	5205	0.208	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.727	75	265269	95.231	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	336	2.045	ug/l #	12
95) Naphthalene	15.504	128	1036	5.044	ug/l #	69

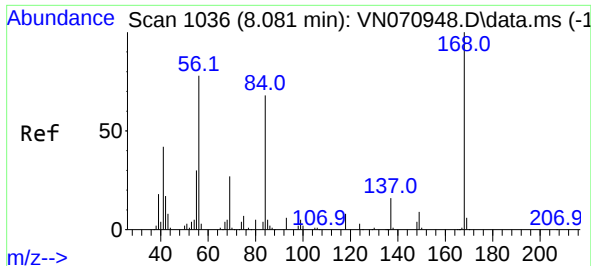
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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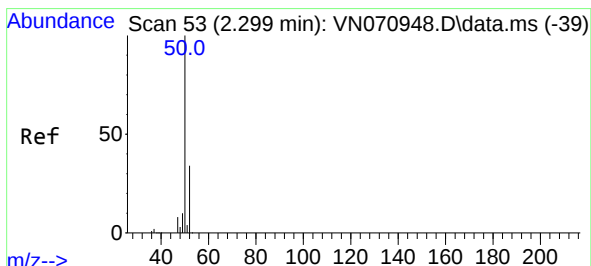
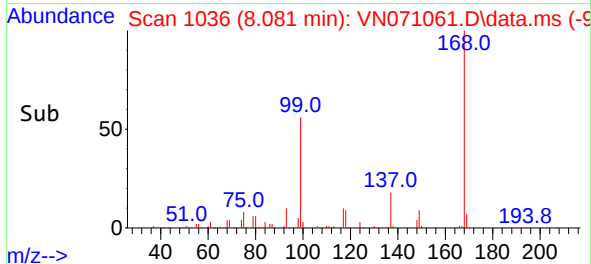
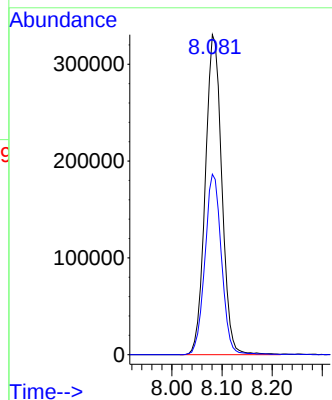
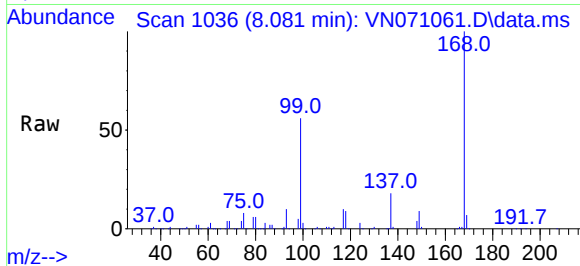




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

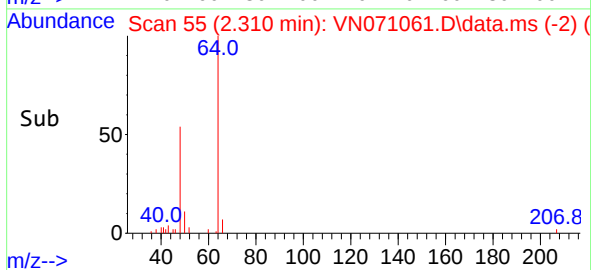
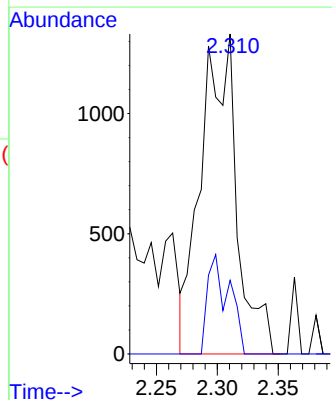
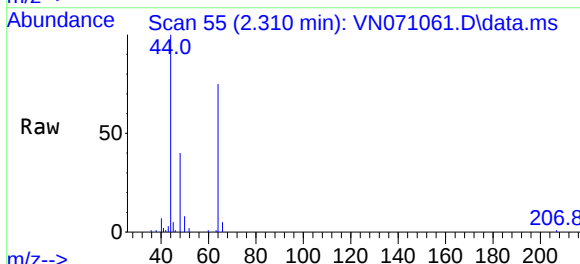
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

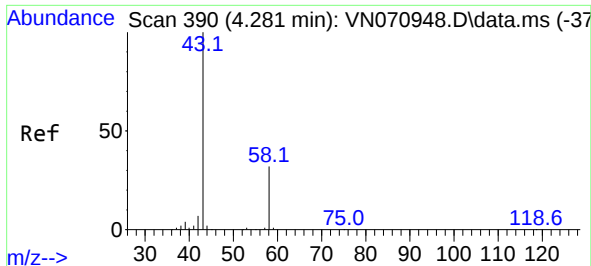
Tgt Ion:168 Resp: 757389
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9



#3
Chloromethane
Concen: 0.272 ug/l
RT: 2.310 min Scan# 55
Delta R.T. 0.012 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion: 50 Resp: 2694
Ion Ratio Lower Upper
50 100
52 23.0 25.4 38.0#

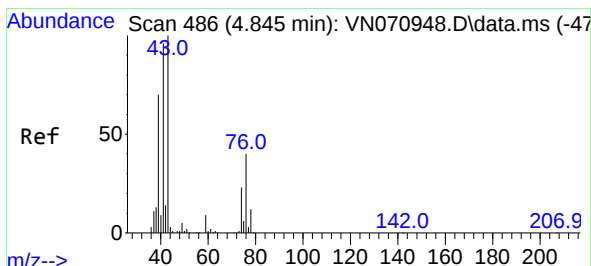
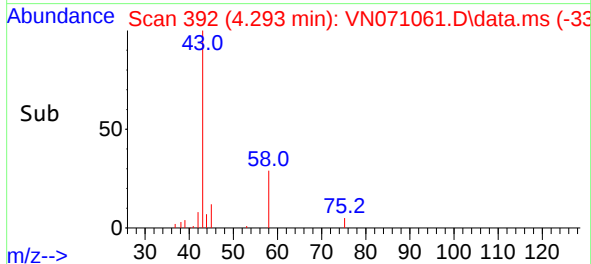
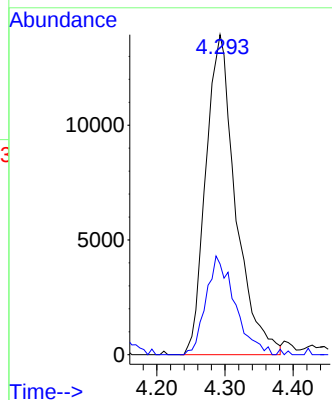
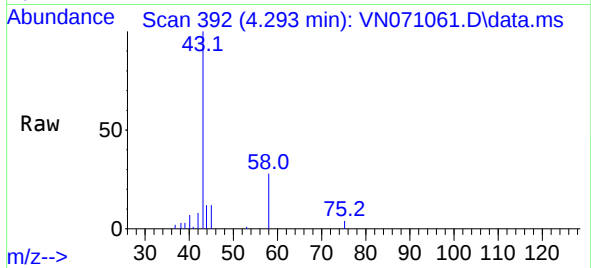




#16
Acetone
Concen: 8.884 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

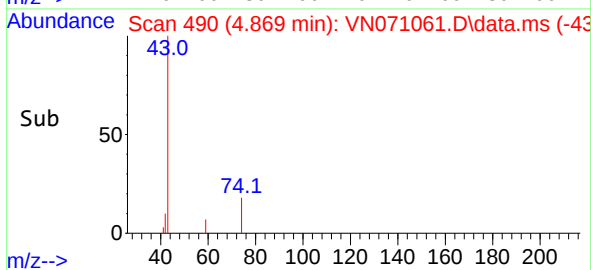
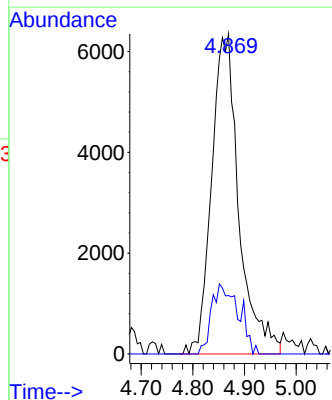
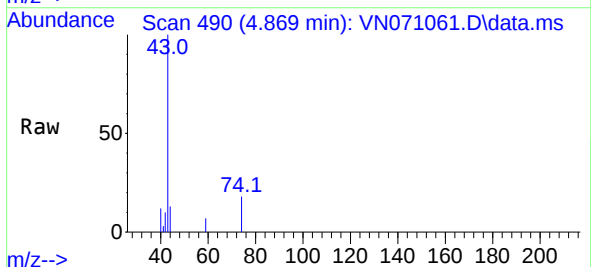
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

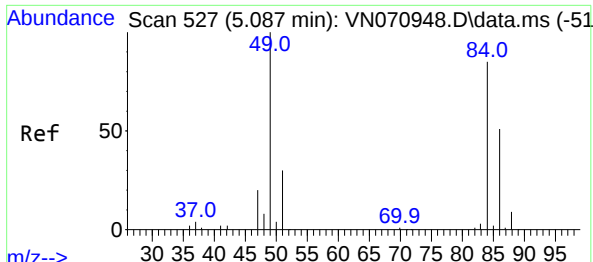
Tgt Ion: 43 Resp: 42330
Ion Ratio Lower Upper
43 100
58 28.3 23.1 34.7



#18
Methyl Acetate
Concen: 1.646 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.024 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

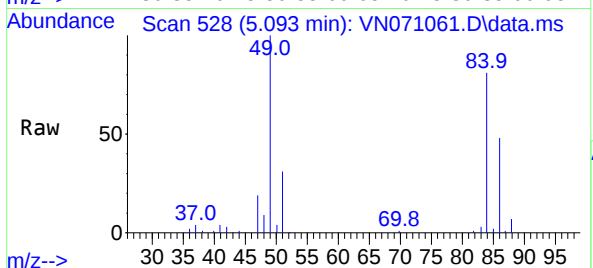
Tgt Ion: 43 Resp: 23256
Ion Ratio Lower Upper
43 100
74 21.5 19.4 29.2





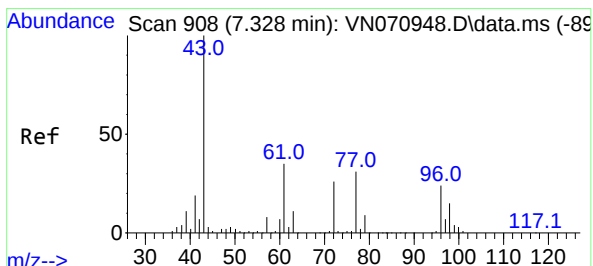
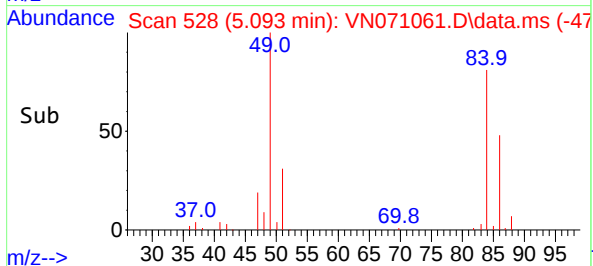
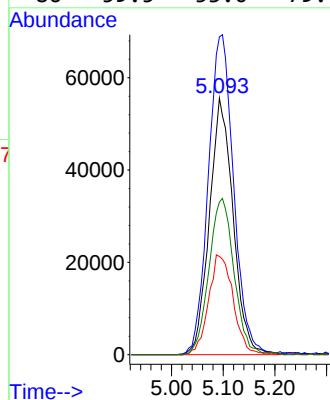
#20
Methylene Chloride
Concen: 20.483 ug/l
RT: 5.093 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06



Tgt Ion: 84 Resp: 177372

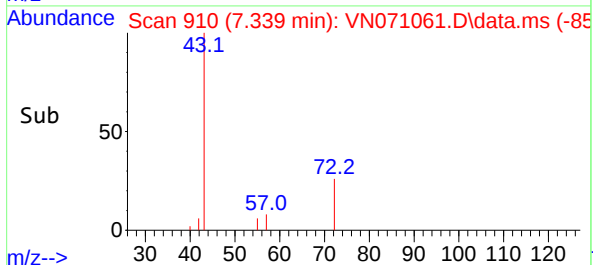
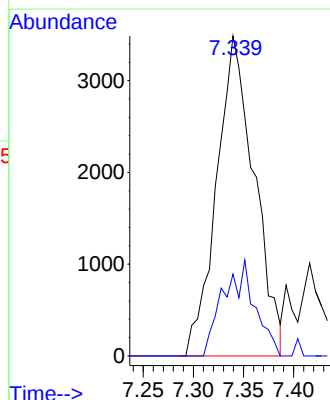
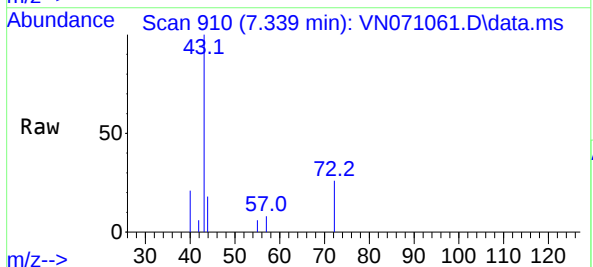
Ion	Ratio	Lower	Upper
84	100		
49	123.5	93.5	140.3
51	38.3	29.4	44.2
86	59.5	53.0	79.4

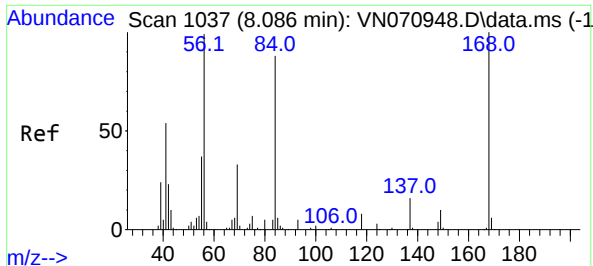


#25
2-Butanone
Concen: 1.442 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.012 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion: 43 Resp: 9142

Ion	Ratio	Lower	Upper
43	100		
72	25.5	21.7	32.5

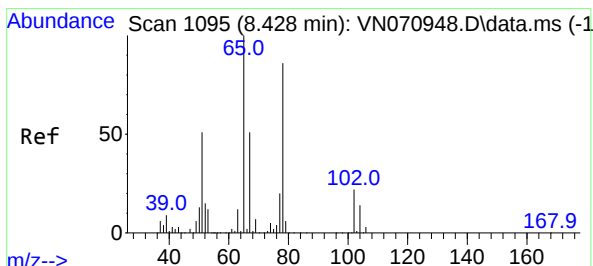
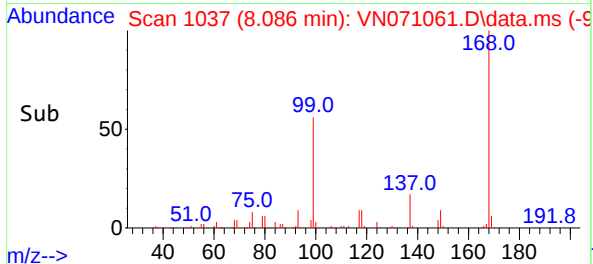
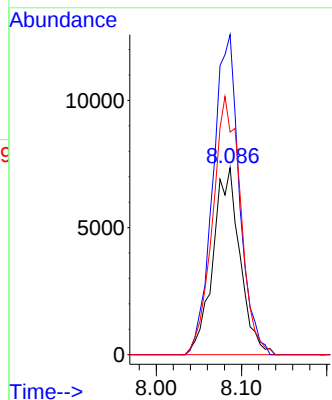
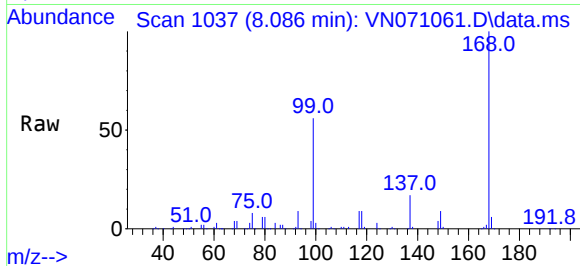




#31
Cyclohexane
Concen: 1.080 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

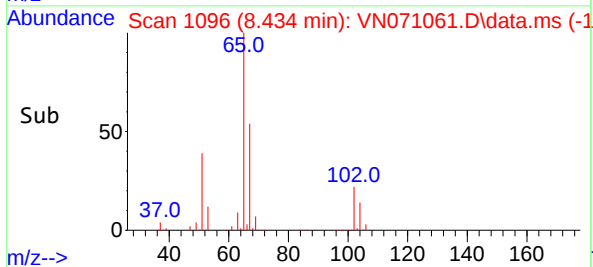
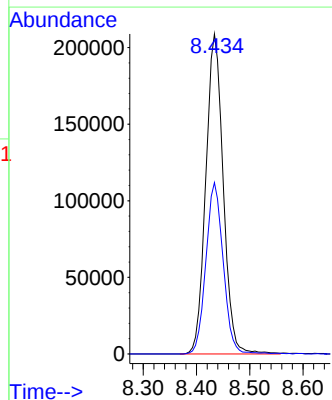
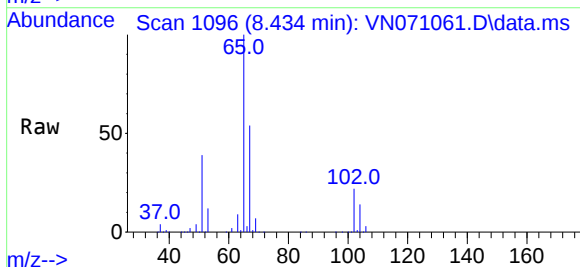
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

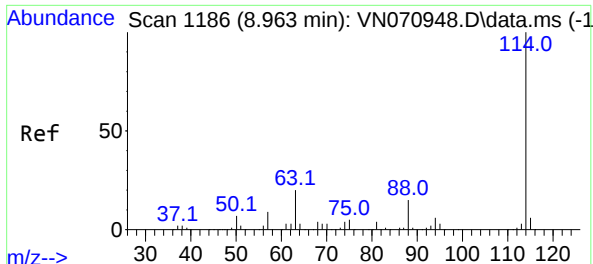
Tgt Ion: 56 Resp: 16160
Ion Ratio Lower Upper
56 100
69 171.1 27.1 40.7#
84 119.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 55.017 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion: 65 Resp: 475993
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.0

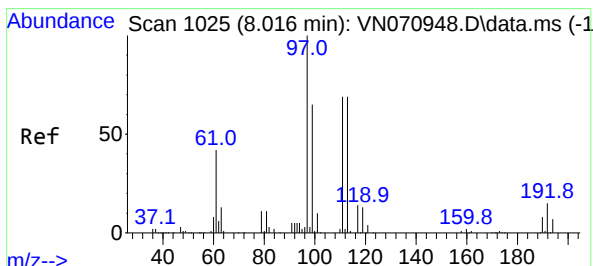
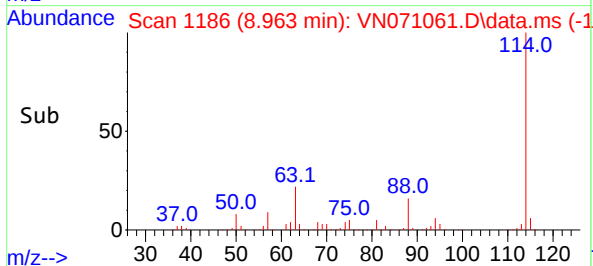
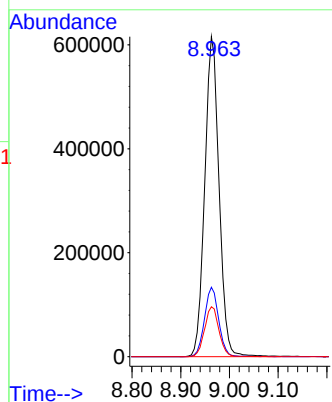
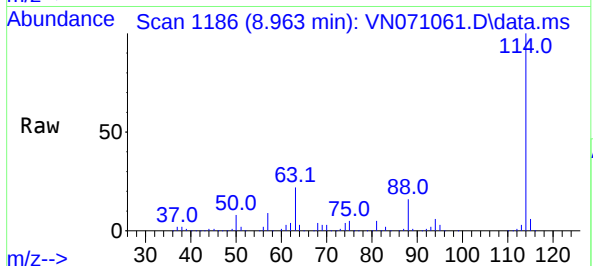




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

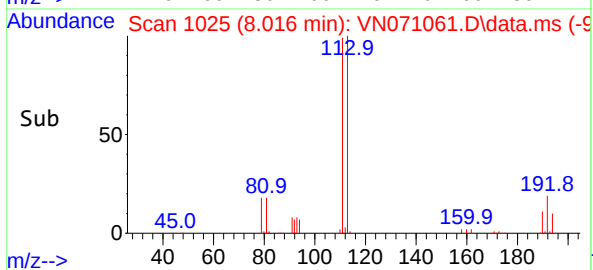
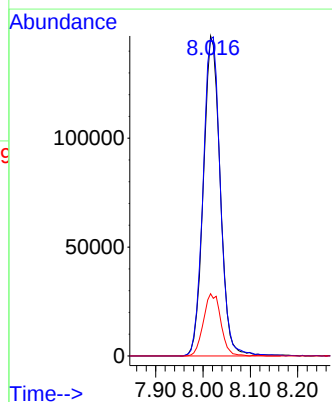
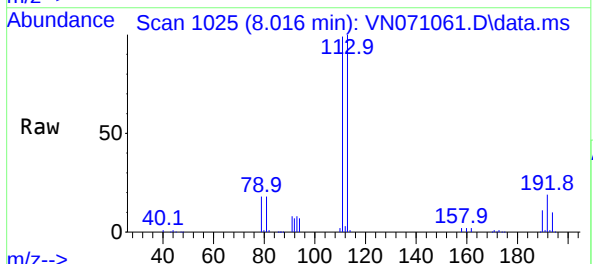
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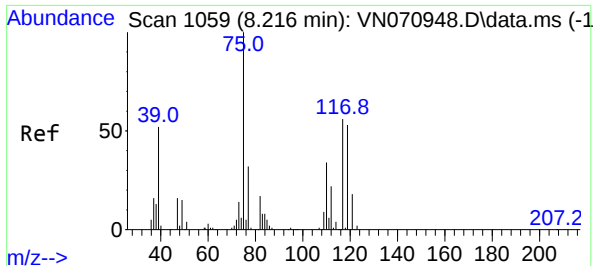
Tgt Ion:114 Resp: 1253215
Ion Ratio Lower Upper
114 100
63 21.7 0.0 37.8
88 15.6 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.561 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion:113 Resp: 361979
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 20.2 16.9 25.3

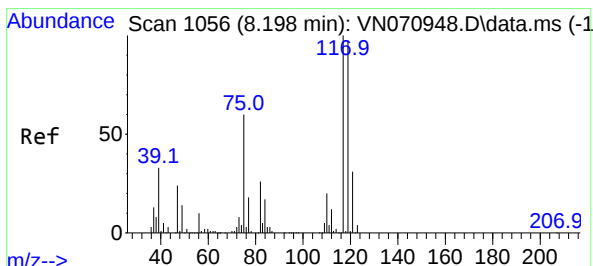
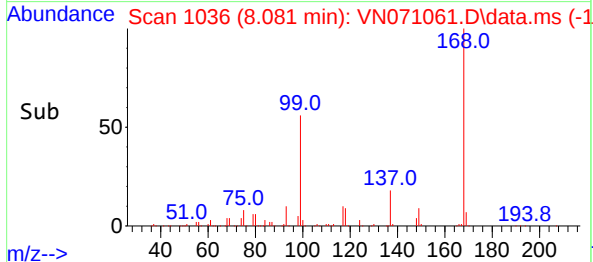
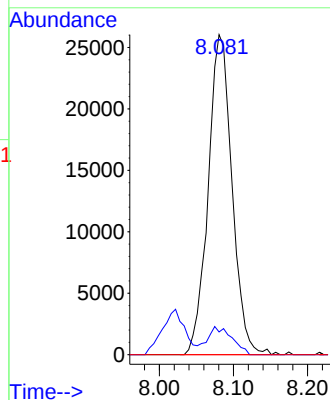
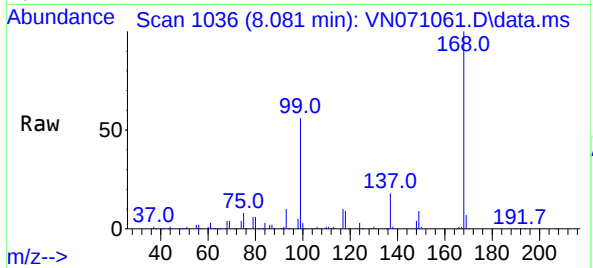




#36
1,1-Dichloropropene
Concen: 4.775 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

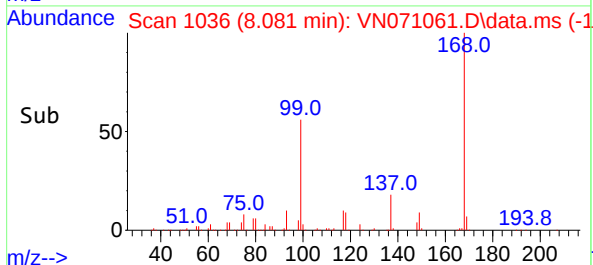
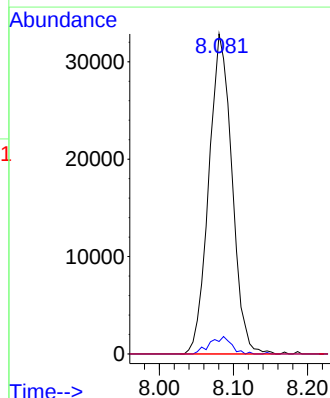
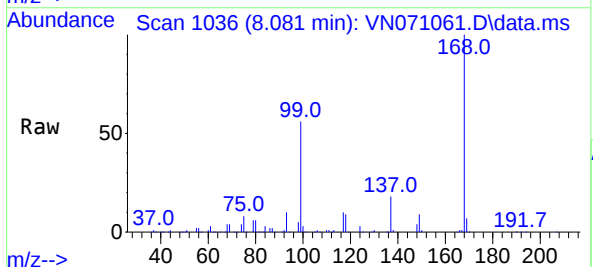
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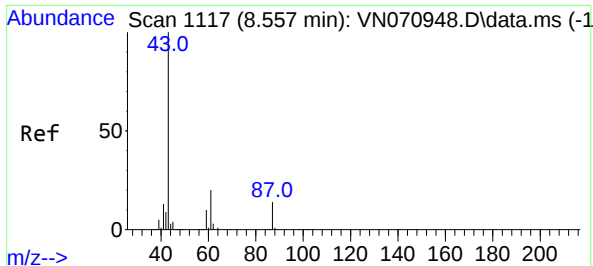
Tgt Ion: 75 Resp: 58311
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.926 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion: 117 Resp: 71312
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.2 36.2#

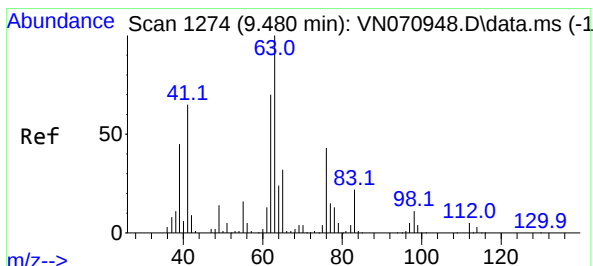
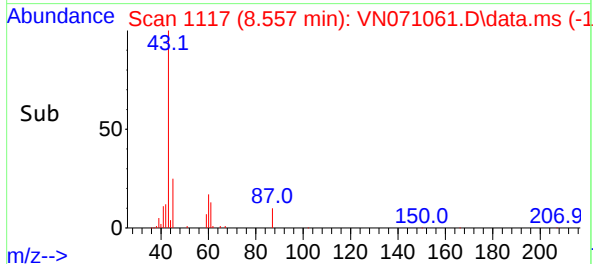
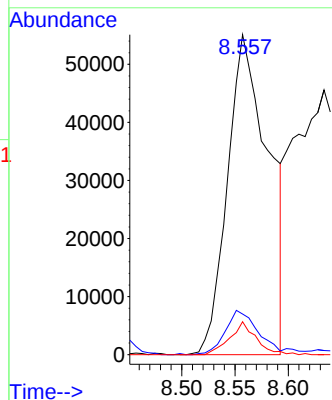
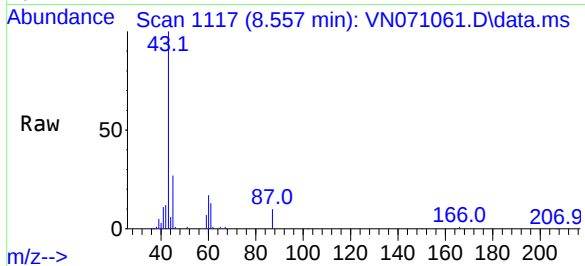




#43
Isopropyl Acetate
Concen: 7.105 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

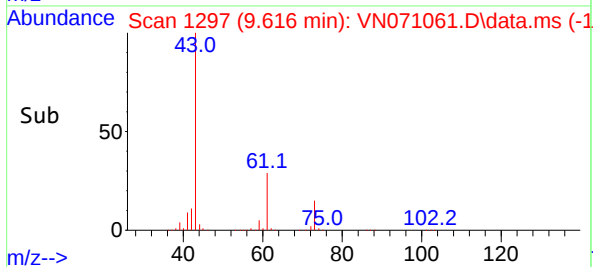
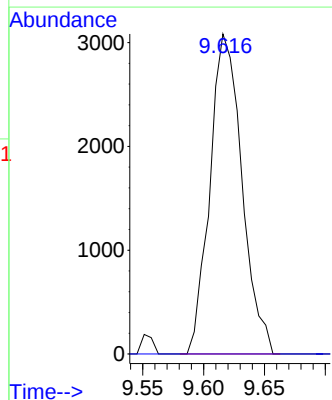
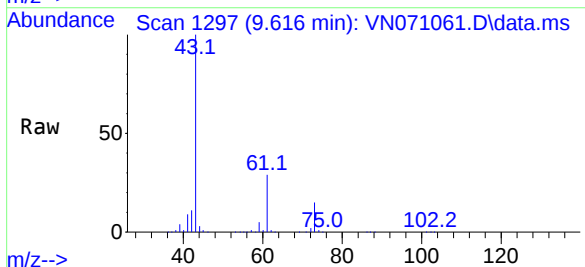
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

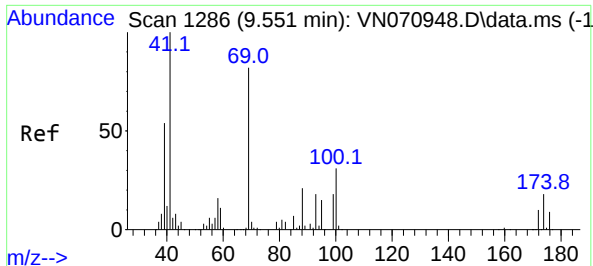
Tgt Ion: 43 Resp: 146682
Ion Ratio Lower Upper
43 100
61 11.8 20.4 30.6#
87 6.7 11.2 16.8#



#45
1,2-Dichloropropane
Concen: 0.609 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.135 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion: 63 Resp: 5637
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#48

Methyl methacrylate

Concen: 2.275 ug/l

RT: 9.545 min Scan# 1285

Delta R.T. -0.006 min

Lab File: VN071061.D

Acq: 24 Feb 2022 17:32

Instrument :

MSVOA_N

ClientSampleId :

PB142888ZHE#06

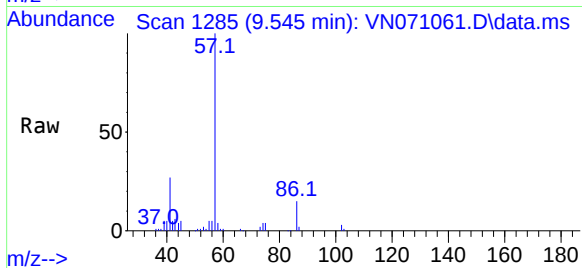
Tgt Ion: 41 Resp: 22227

Ion Ratio Lower Upper

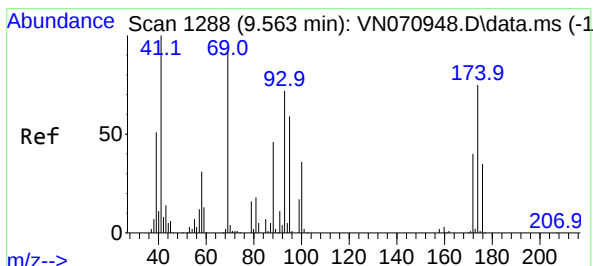
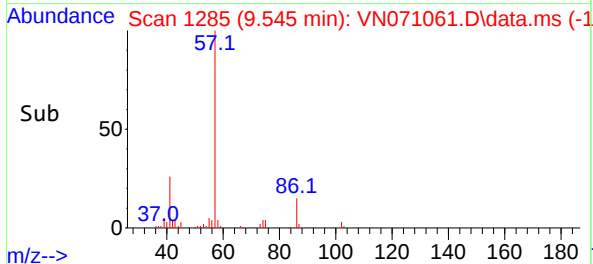
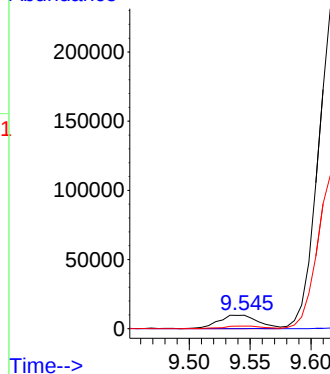
41 100

69 0.5 72.4 108.6#

39 0.0 58.4 87.6#



Abundance



#49

1,4-Dioxane

Concen: 0.778 ug/l

RT: 9.563 min Scan# 1288

Delta R.T. 0.000 min

Lab File: VN071061.D

Acq: 24 Feb 2022 17:32

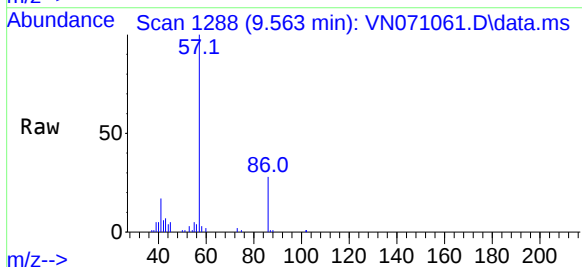
Tgt Ion: 88 Resp: 135

Ion Ratio Lower Upper

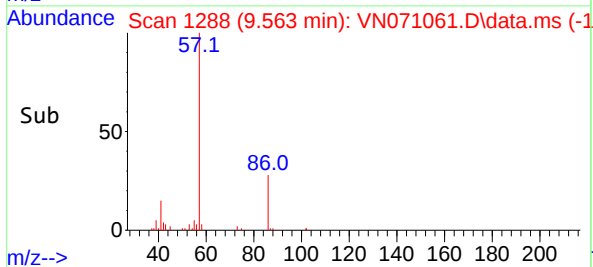
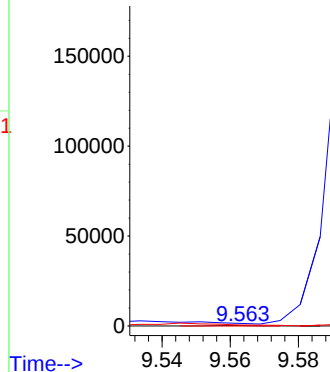
88 100

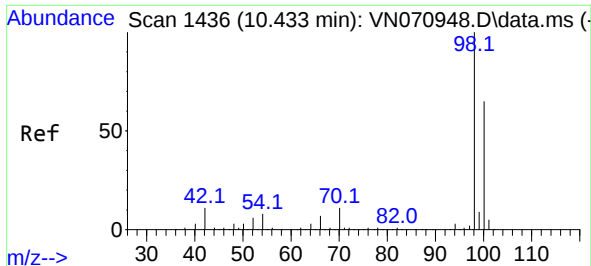
43 0.0 23.4 35.2#

58 2037.8 50.6 75.8#



Abundance

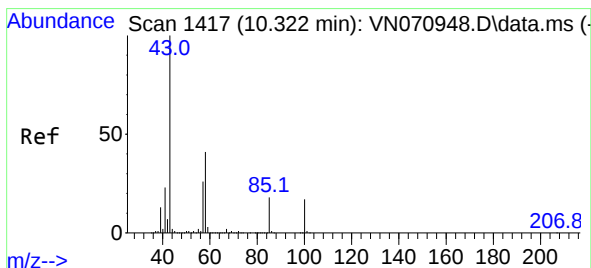
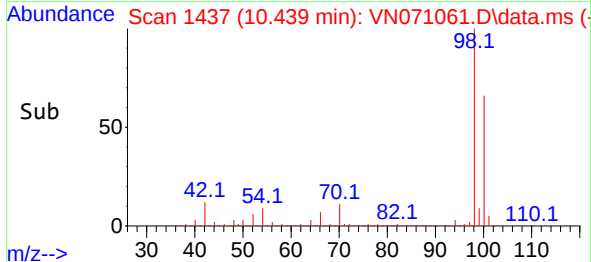
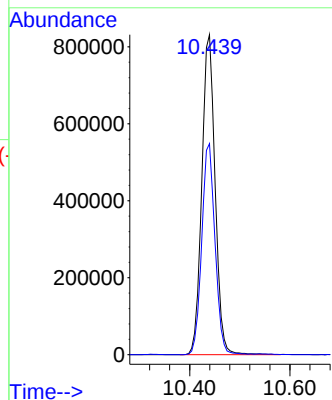
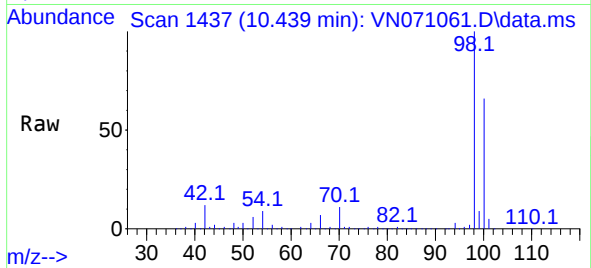




#50
Toluene-d8
Concen: 51.118 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

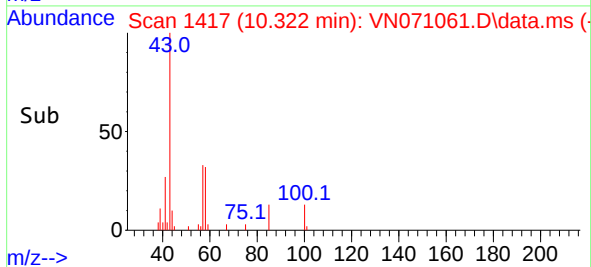
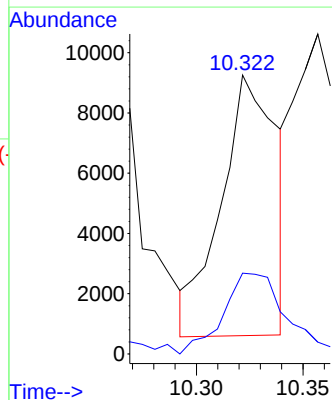
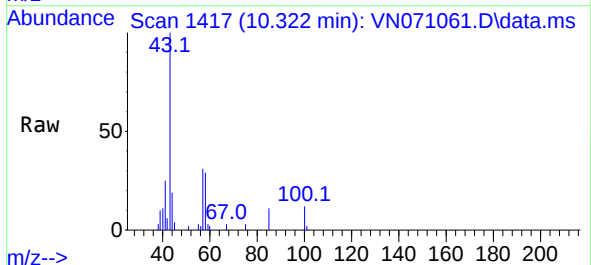
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

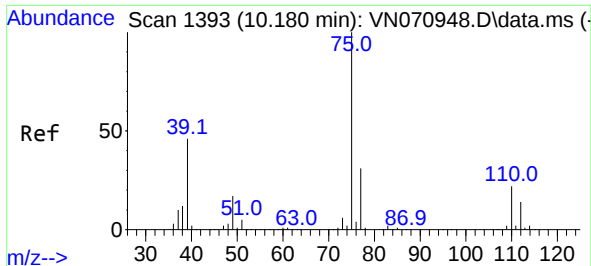
Tgt Ion: 98 Resp: 1530218
Ion Ratio Lower Upper
98 100
100 65.8 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 1.241 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. 0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion: 43 Resp: 15592
Ion Ratio Lower Upper
43 100
58 34.8 30.4 45.6

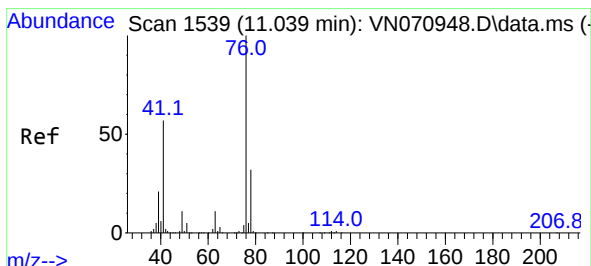
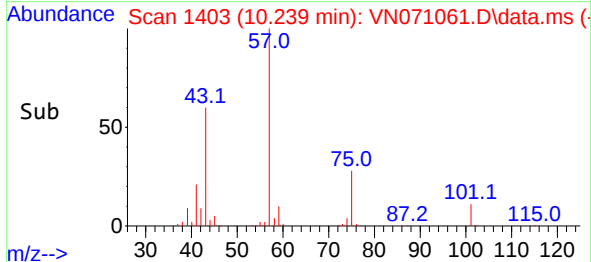
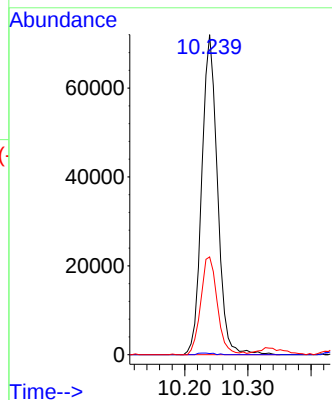
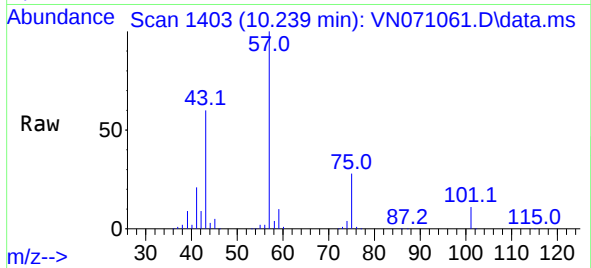




#54
cis-1,3-Dichloropropene
Concen: 8.460 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.059 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

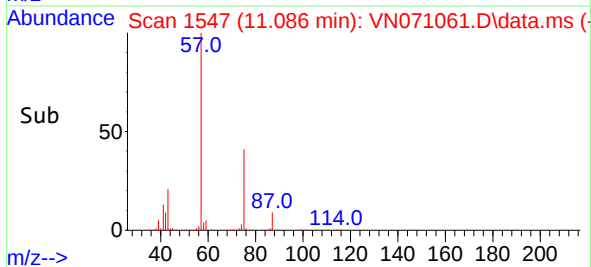
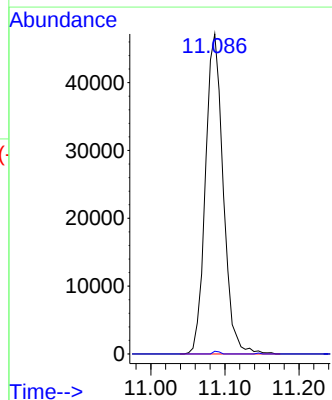
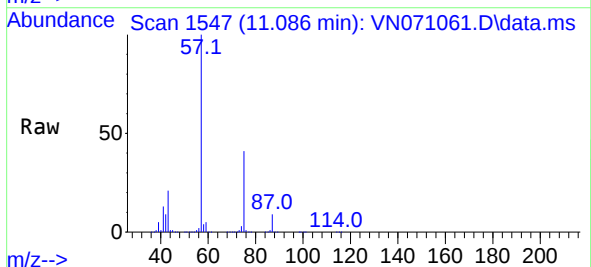
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

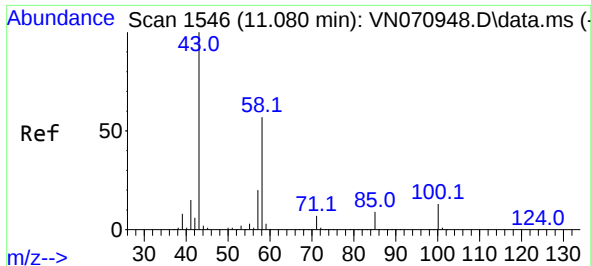
Tgt Ion: 75 Resp: 124334
Ion Ratio Lower Upper
75 100
77 0.4 26.4 39.6#
39 30.6 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 5.113 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion: 76 Resp: 78577
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

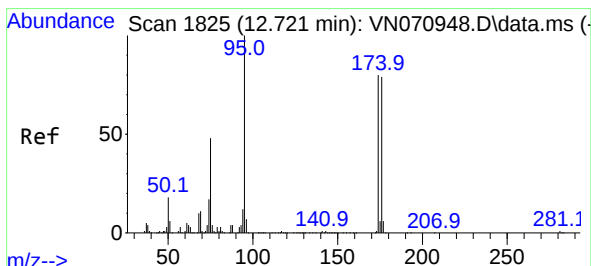
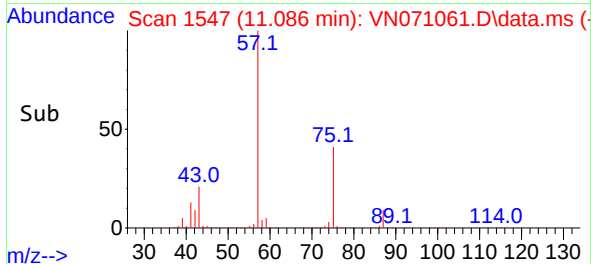
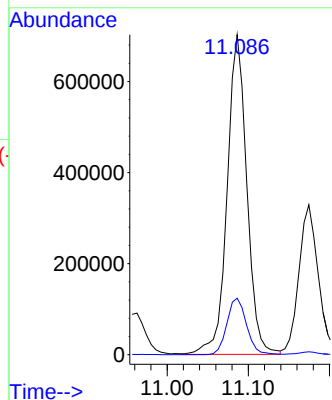
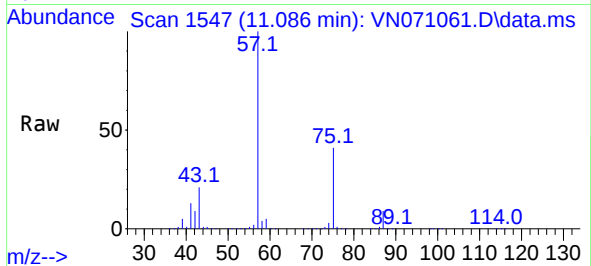




#59
2-Hexanone
Concen: 137.122 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

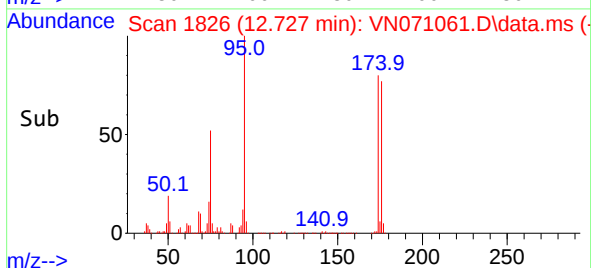
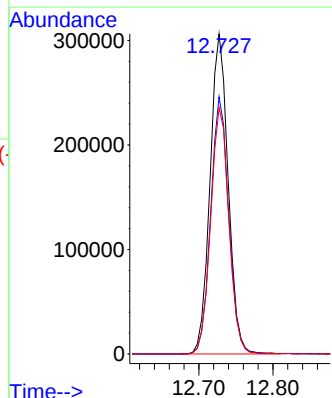
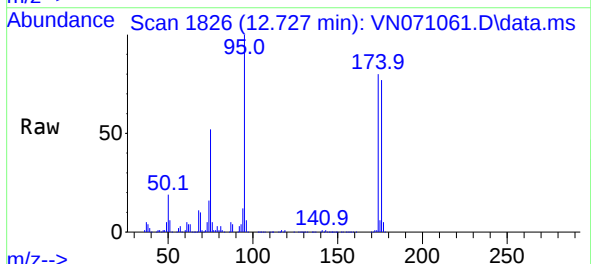
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

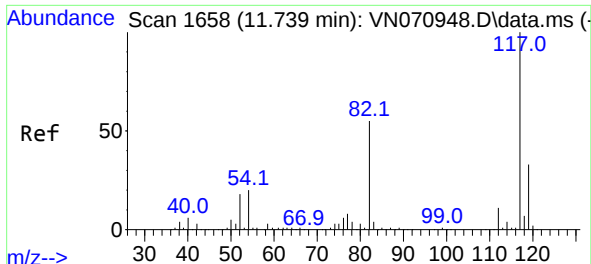
Tgt Ion: 43 Resp: 1184535
Ion Ratio Lower Upper
43 100
58 17.6 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 48.587 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion: 95 Resp: 519886
Ion Ratio Lower Upper
95 100
174 80.2 0.0 187.2
176 77.4 0.0 181.4

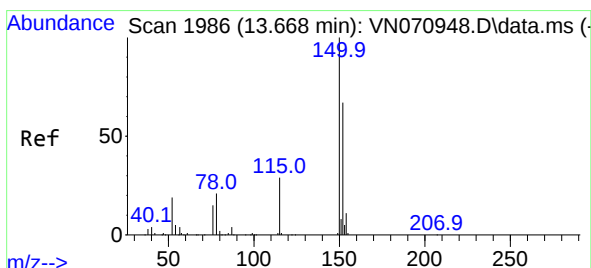
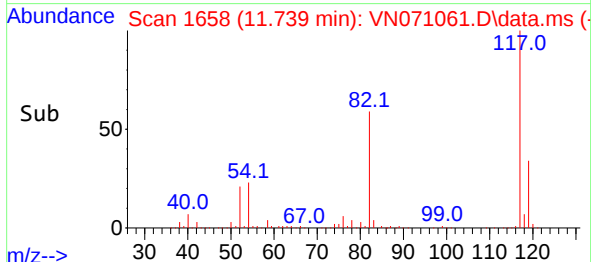
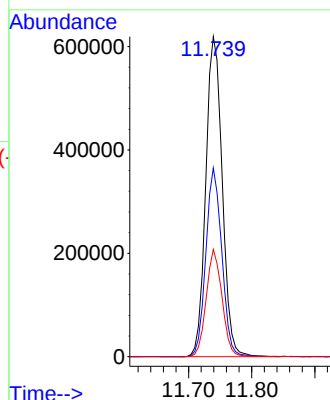
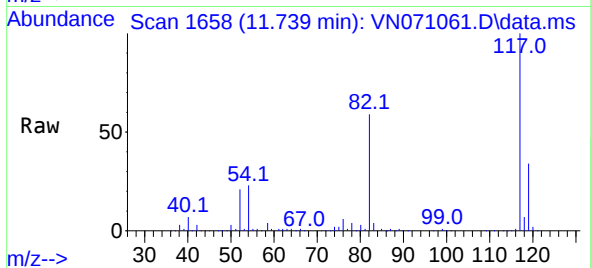




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

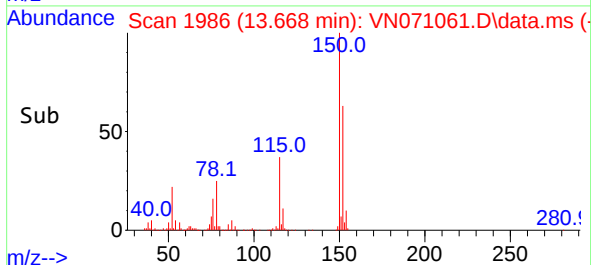
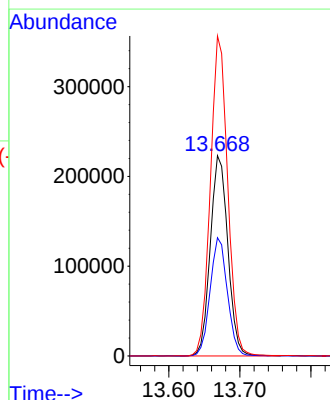
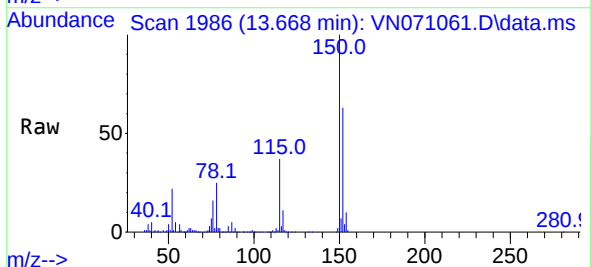
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

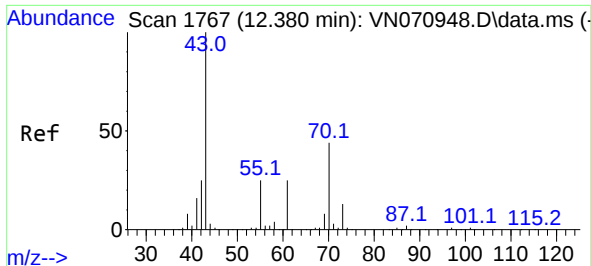
Tgt Ion:117 Resp: 1120472
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 33.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion:152 Resp: 383365
Ion Ratio Lower Upper
152 100
115 58.2 27.5 82.5
150 157.4 0.0 344.4

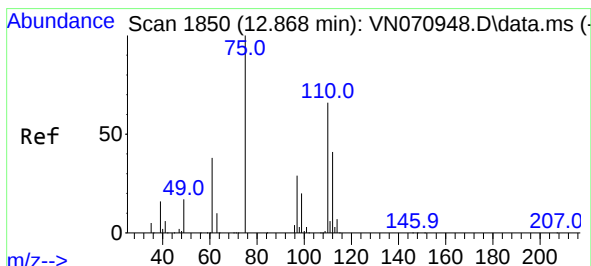
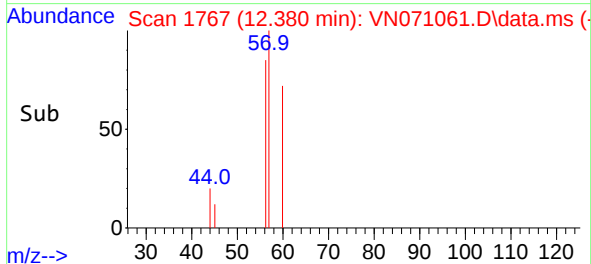
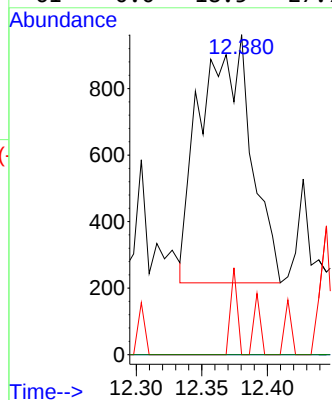
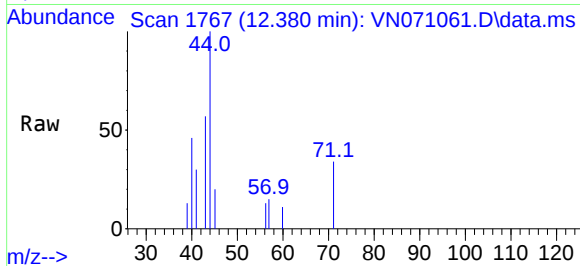




#74
N-amy1 acetate
Concen: 0.202 ug/l
RT: 12.380 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

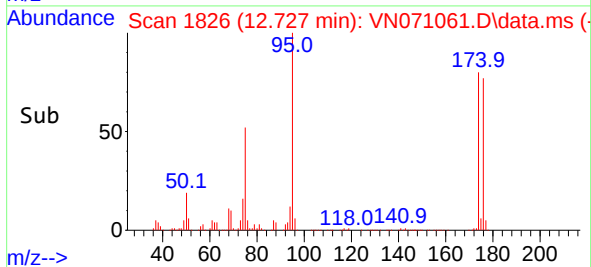
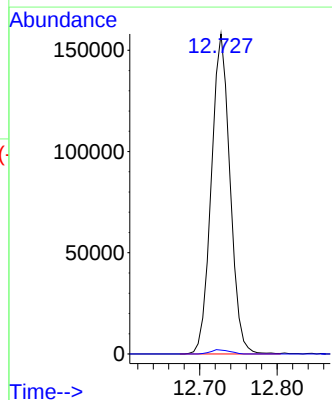
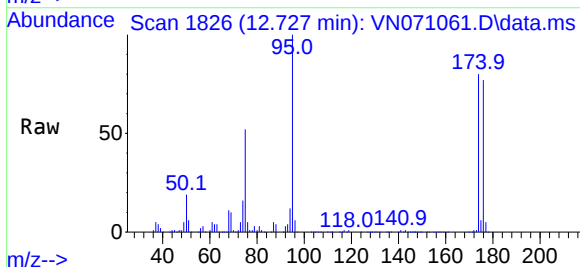
Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

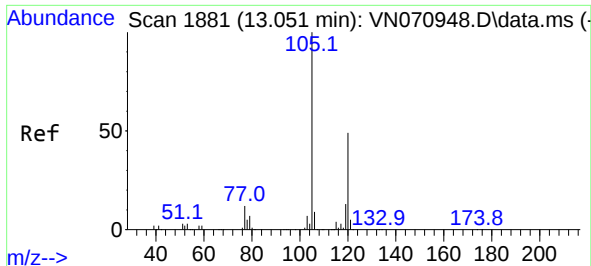
Tgt Ion:	43	Resp:	1991
Ion	Ratio	Lower	Upper
43	100		
70	0.0	33.4	50.0#
55	4.6	19.3	28.9#
61	0.0	18.5	27.7#



#76
1,2,3-Trichloropropane
Concen: 29.388 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion:	75	Resp:	265269
Ion	Ratio	Lower	Upper
75	100		
77	1.4	82.6	247.8#

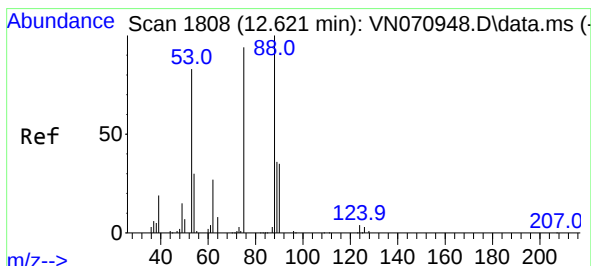
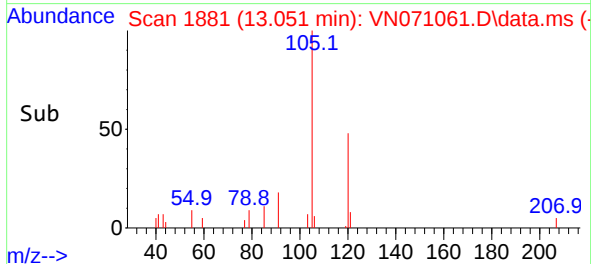
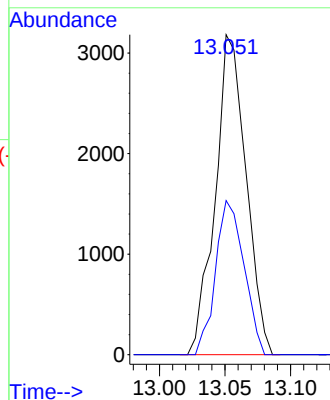
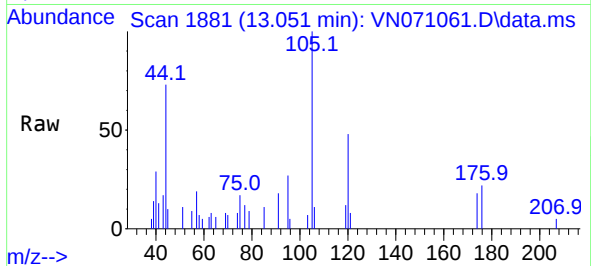




#80
 1,3,5-Trimethylbenzene
 Concen: 0.208 ug/l
 RT: 13.051 min Scan# 1881
 Delta R.T. 0.000 min
 Lab File: VN071061.D
 Acq: 24 Feb 2022 17:32

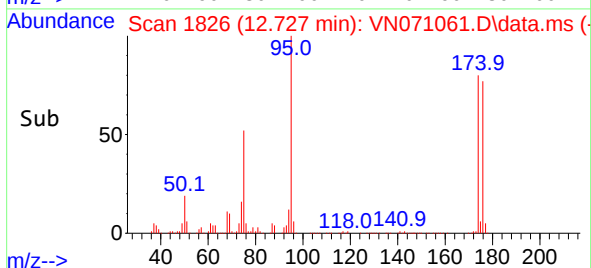
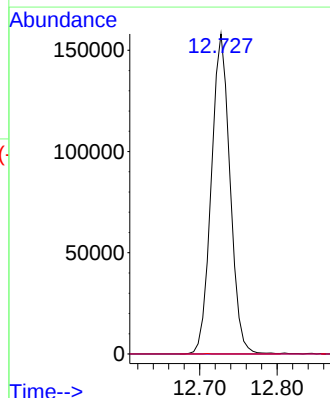
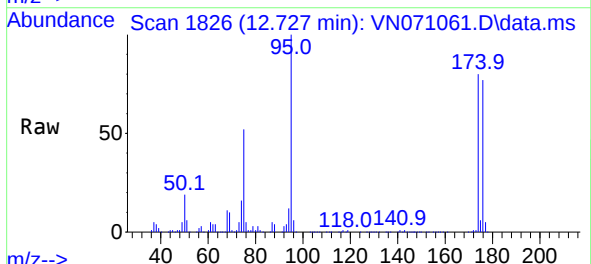
Instrument :
 MSVOA_N
 ClientSampleId :
 PB142888ZHE#06

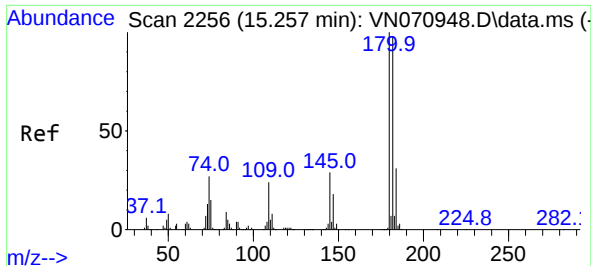
Tgt Ion:105 Resp: 5205
 Ion Ratio Lower Upper
 105 100
 120 44.4 24.6 73.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.231 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.106 min
 Lab File: VN071061.D
 Acq: 24 Feb 2022 17:32

Tgt Ion: 75 Resp: 265269
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#

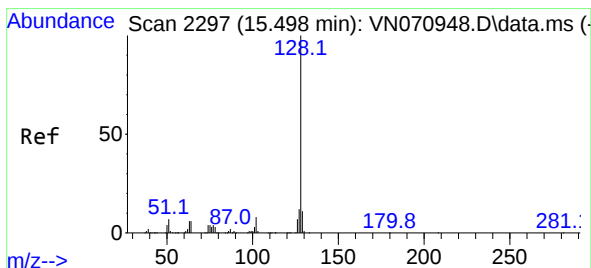
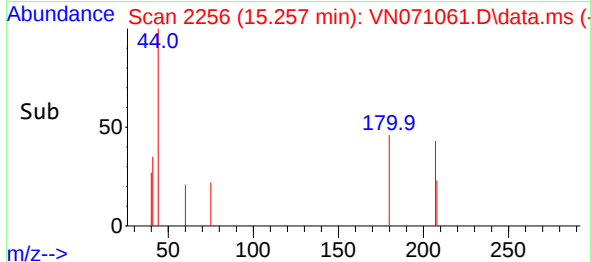
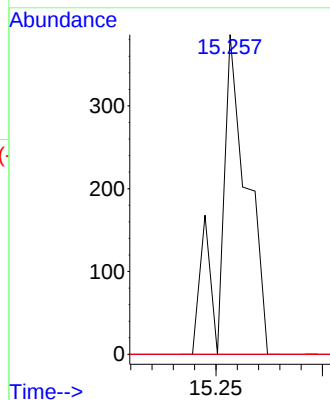
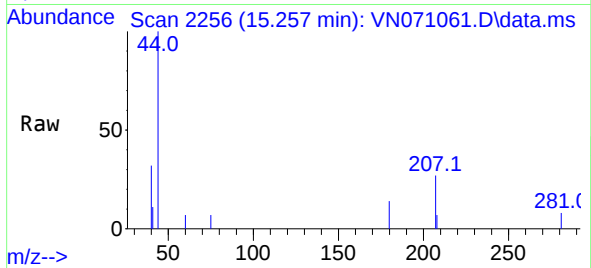




#93
1,2,4-Trichlorobenzene
Concen: 2.045 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Instrument :
MSVOA_N
ClientSampleId :
PB142888ZHE#06

Tgt Ion:180 Resp: 336
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.044 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071061.D
Acq: 24 Feb 2022 17:32

Tgt Ion:128 Resp: 1036
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

