

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031422\
 Data File : VN071272.D
 Acq On : 14 Mar 2022 17:38
 Operator : JC\MD
 Sample : PB143286ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#04

Quant Time: Mar 15 02:53:59 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)

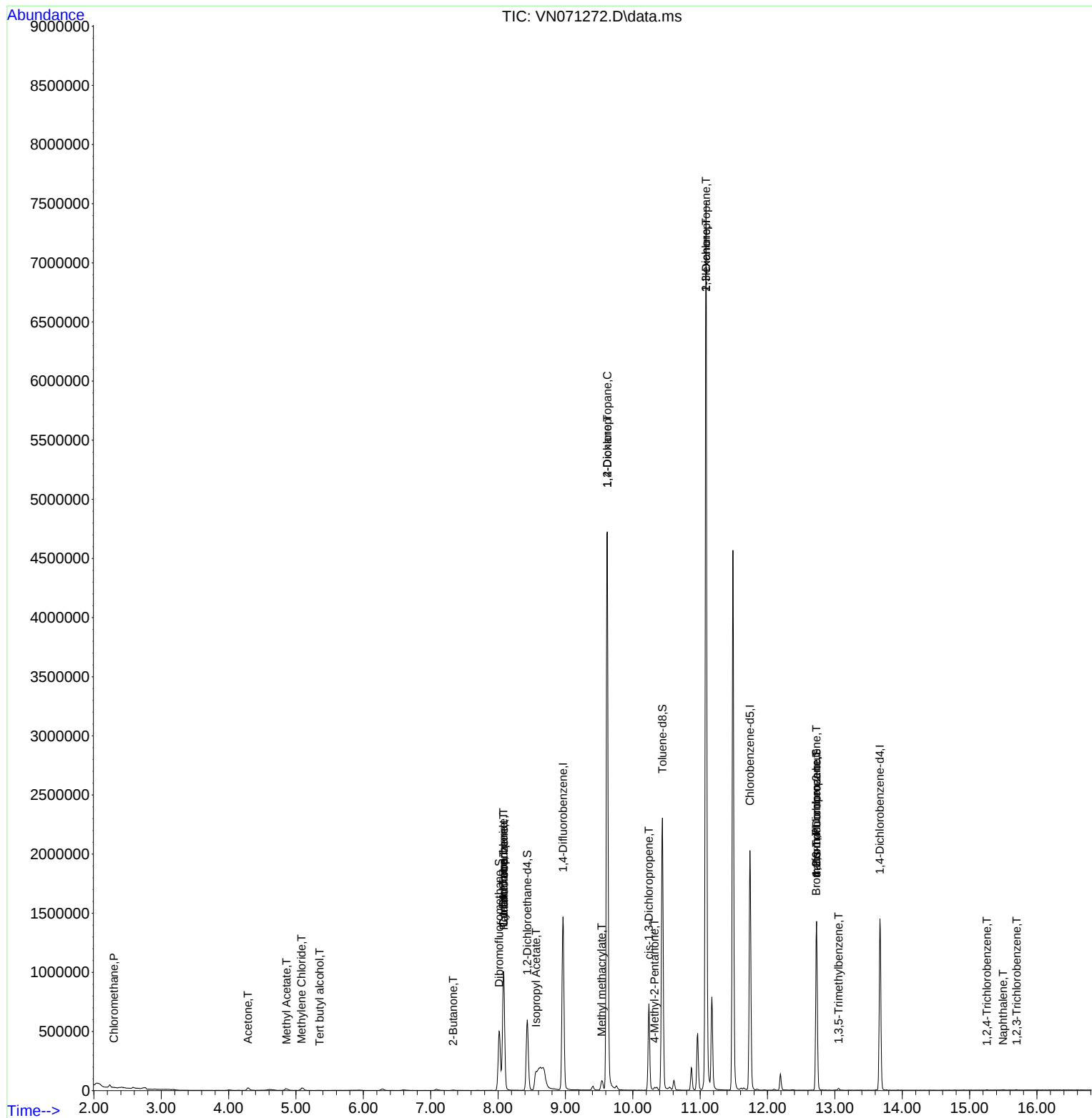
Internal Standards						
1) Pentafluorobenzene	8.086	168	775837	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1284557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1159893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	394061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	487429	45.841	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.680%		
35) Dibromofluoromethane	8.016	113	369120	45.537	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.080%		
50) Toluene-d8	10.439	98	1567684	48.034	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.060%		
62) 4-Bromofluorobenzene	12.727	95	490961	44.424	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.840%		
Target Compounds					Qvalue	
3) Chloromethane	2.299	50	3059	0.234	ug/l #	88
5) Bromomethane	2.846	94	1223	Below Cal	#	57
11) Tert butyl alcohol	5.351	59	611	0.293	ug/l #	71
16) Acetone	4.287	43	36749	7.103	ug/l	95
18) Methyl Acetate	4.857	43	32012	2.752	ug/l	97
20) Methylene Chloride	5.081	84	8111	1.233	ug/l	97
25) 2-Butanone	7.333	43	6971	0.836	ug/l #	81
31) Cyclohexane	8.081	56	16739	0.986	ug/l #	8
36) 1,1-Dichloropropene	8.081	75	60634	4.669	ug/l #	49
38) Carbon Tetrachloride	8.081	117	76466	6.087	ug/l #	16
43) Isopropyl Acetate	8.563	43	167223	6.256	ug/l #	74
45) 1,2-Dichloropropane	9.622	63	5860	0.558	ug/l #	44
48) Methyl methacrylate	9.539	41	23735	1.916	ug/l #	8
49) 1,4-Dioxane	9.622	88	732	3.400	ug/l #	1
51) 4-Methyl-2-Pentanone	10.322	43	15490	0.934	ug/l	97
54) cis-1,3-Dichloropropene	10.239	75	124871	7.935	ug/l #	60
57) 1,3-Dichloropropane	11.086	76	76258	4.400	ug/l #	43
59) 2-Hexanone	11.086	43	1202641	106.256	ug/l #	49
71) Bromoform	12.721	173	2078	0.300	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.821	83	361	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	252111	24.985	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.057	105	6173	0.209	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.727	75	252111	69.160	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	946	3.127	ug/l	83
95) Naphthalene	15.498	128	2880	5.211	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.698	180	962	2.879	ug/l #	87

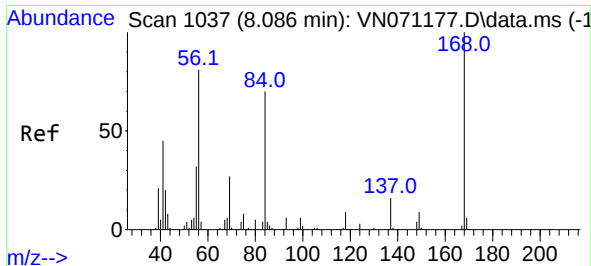
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.086 min Scan# 10

Delta R.T. 0.000 min

Lab File: VN071272.D

Acq: 14 Mar 2022 17:38

Instrument :

MSVOA_N

ClientSampleId :

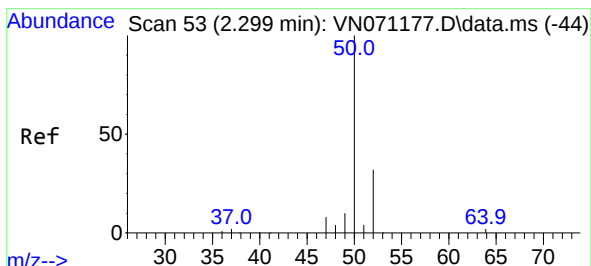
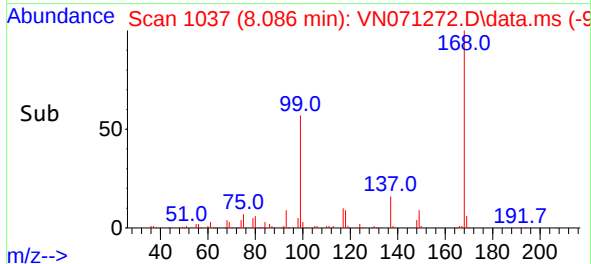
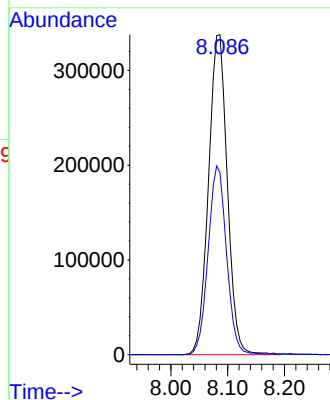
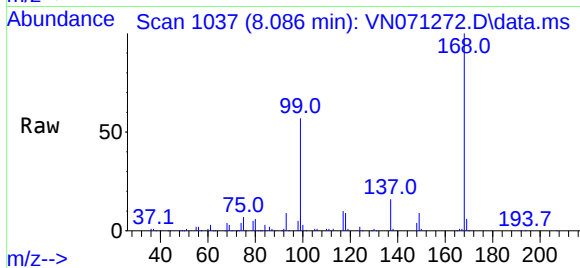
PB143286ZHE#04

Tgt Ion:168 Resp: 775837

Ion Ratio Lower Upper

168 100

99 56.8 41.3 61.9



#3

Chloromethane

Concen: 0.234 ug/l

RT: 2.299 min Scan# 53

Delta R.T. -0.000 min

Lab File: VN071272.D

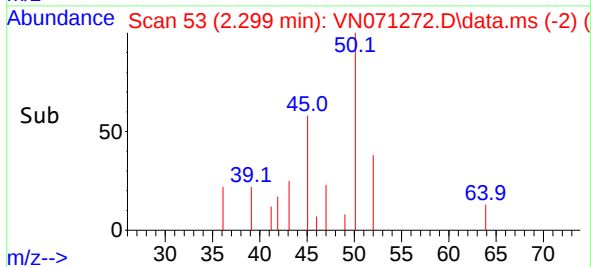
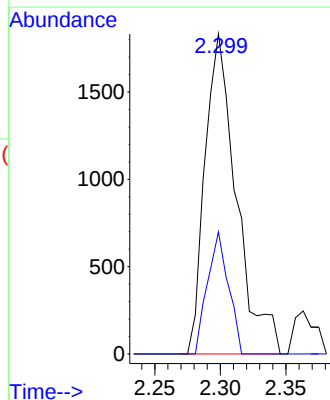
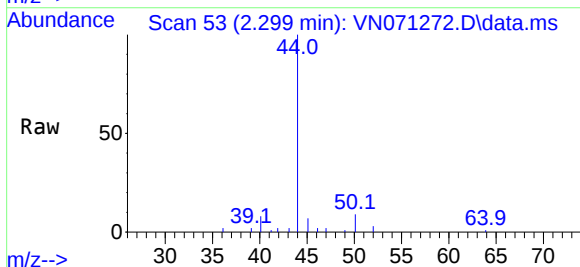
Acq: 14 Mar 2022 17:38

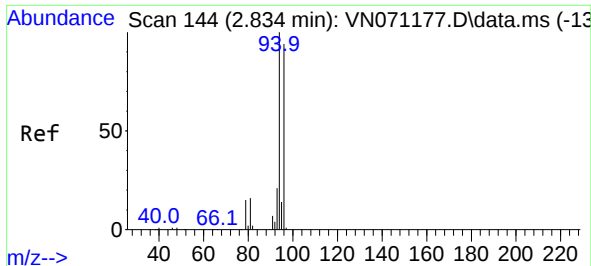
Tgt Ion: 50 Resp: 3059

Ion Ratio Lower Upper

50 100

52 38.1 25.4 38.0#

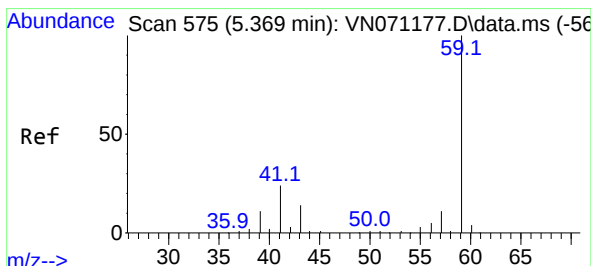
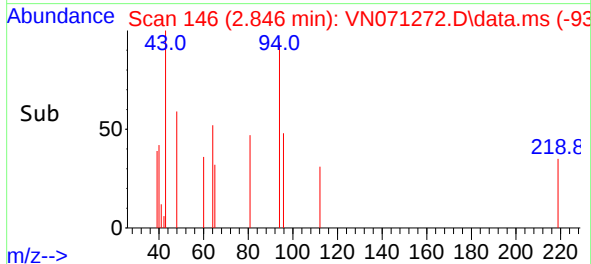
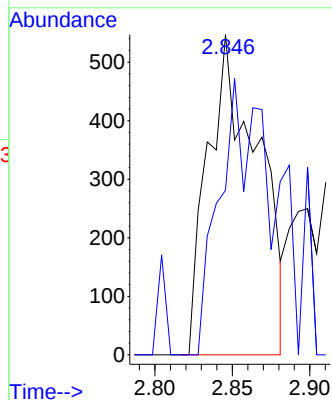
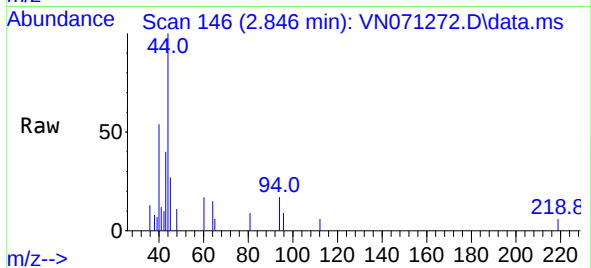




#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 144
Delta R.T. 0.012 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

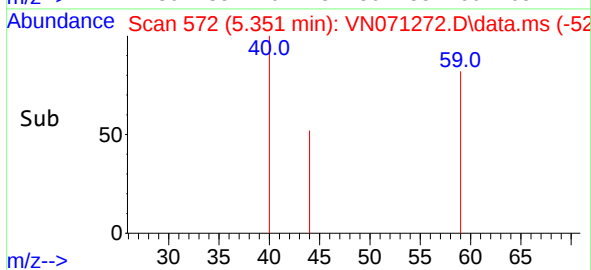
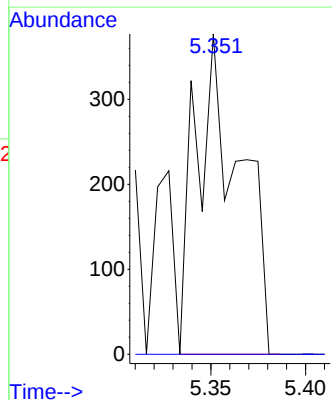
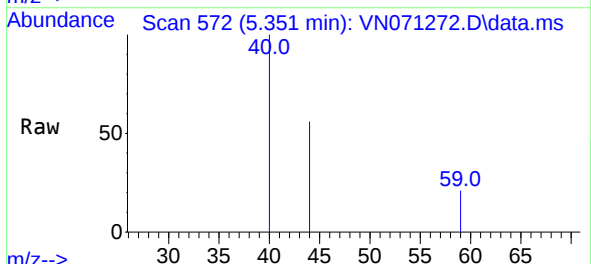
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

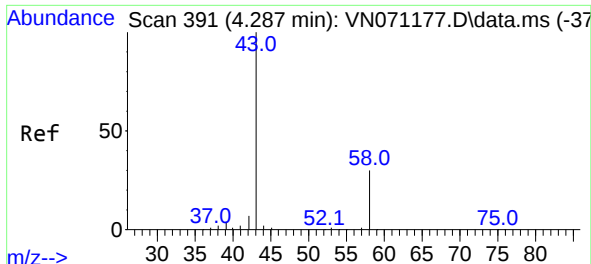
Tgt Ion: 94 Resp: 1223
Ion Ratio Lower Upper
94 100
96 51.4 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.293 ug/l
RT: 5.351 min Scan# 572
Delta R.T. -0.018 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 59 Resp: 611
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

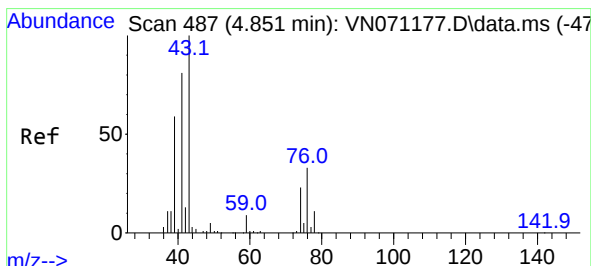
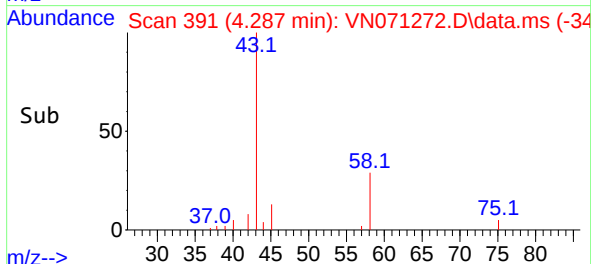
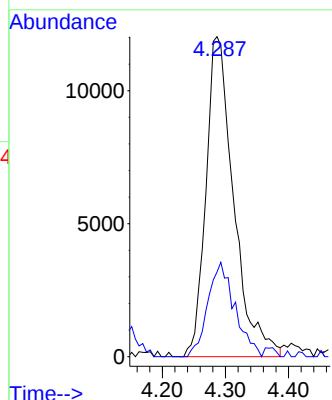
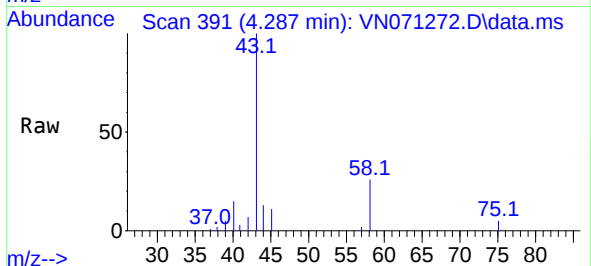




#16
Acetone
Concen: 7.103 ug/l
RT: 4.287 min Scan# 391
Delta R.T. -0.000 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

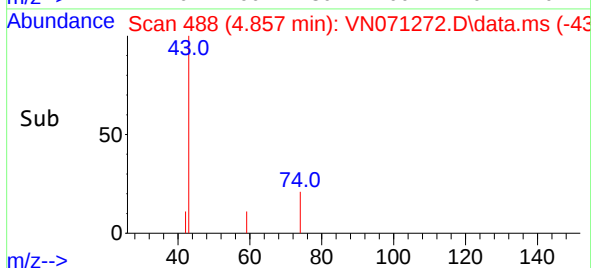
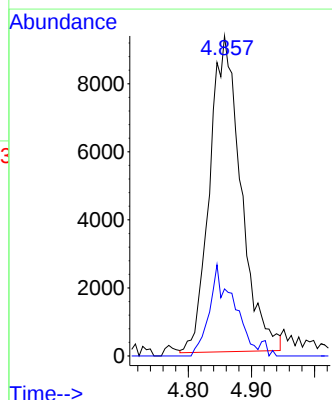
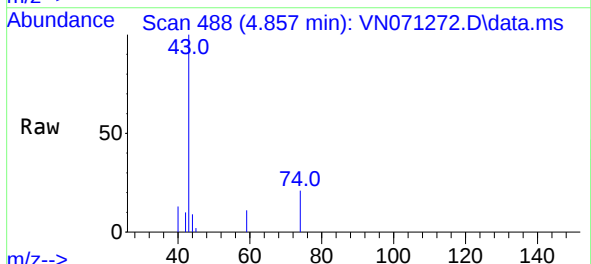
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

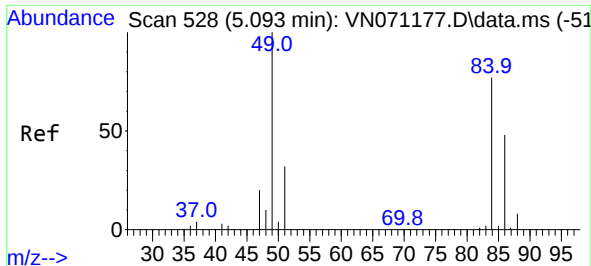
Tgt Ion: 43 Resp: 36749
Ion Ratio Lower Upper
43 100
58 26.4 23.1 34.7



#18
Methyl Acetate
Concen: 2.752 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 43 Resp: 32012
Ion Ratio Lower Upper
43 100
74 22.7 19.4 29.2



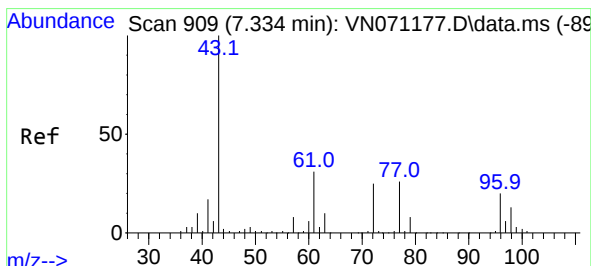
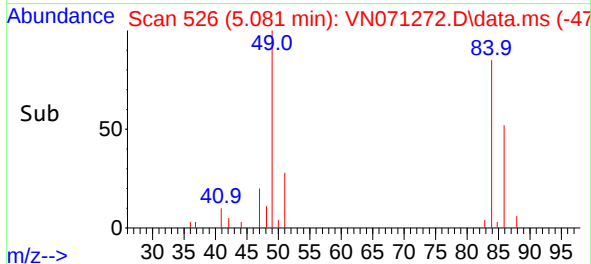
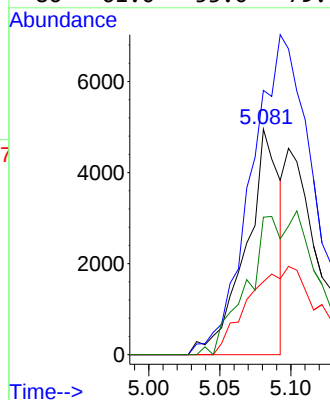
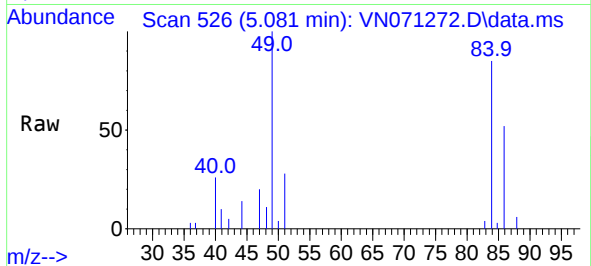


#20
Methylene Chloride
Concen: 1.233 ug/l
RT: 5.081 min Scan# 511
Delta R.T. -0.012 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

Tgt Ion: 84 Resp: 8111

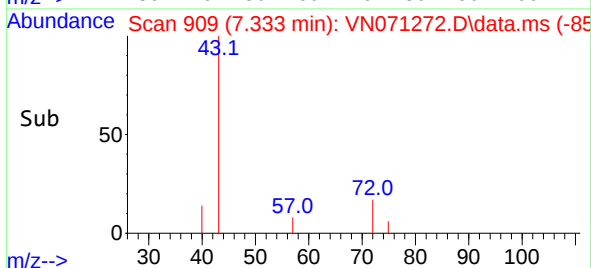
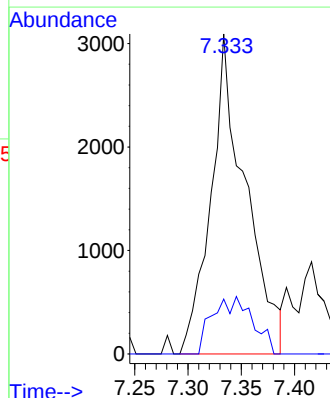
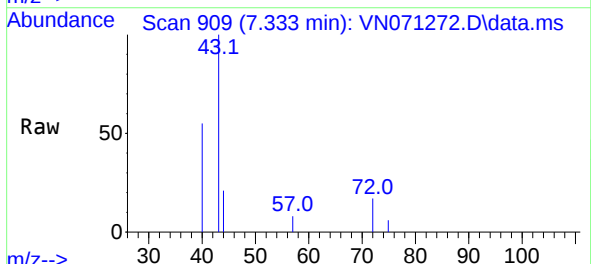
Ion	Ratio	Lower	Upper
84	100		
49	117.2	93.5	140.3
51	32.4	29.4	44.2
86	61.0	53.0	79.4

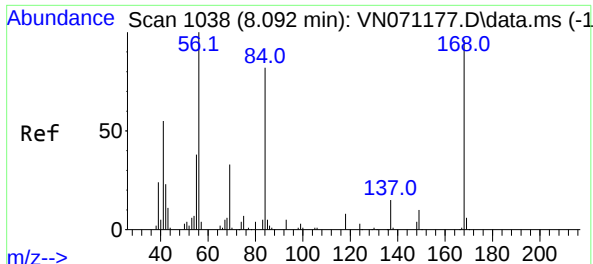


#25
2-Butanone
Concen: 0.836 ug/l
RT: 7.333 min Scan# 909
Delta R.T. -0.000 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 43 Resp: 6971

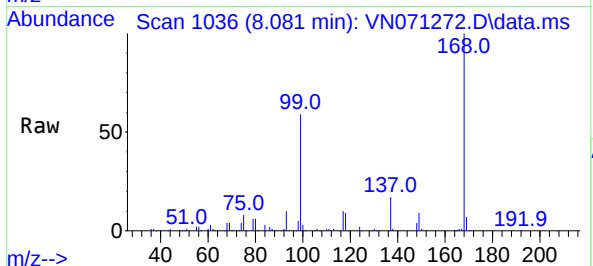
Ion	Ratio	Lower	Upper
43	100		
72	17.2	21.7	32.5#



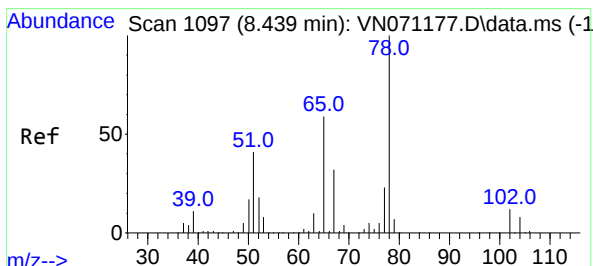
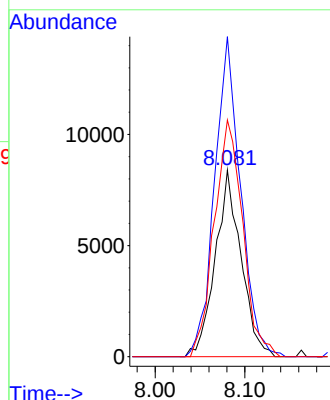
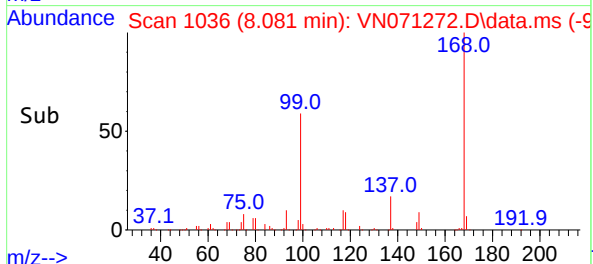


#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

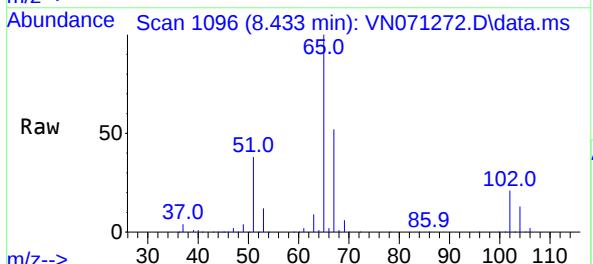
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PB143286ZHE#04



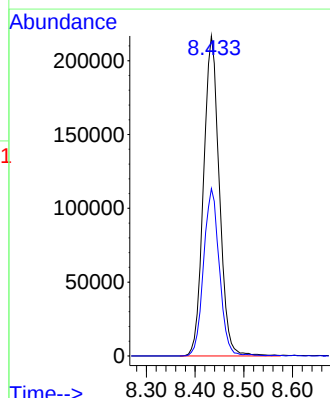
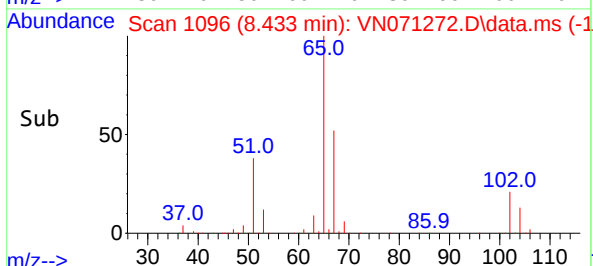
Tgt Ion: 56 Resp: 16739
Ion Ratio Lower Upper
56 100
69 171.6 27.1 40.7#
84 126.9 73.4 110.0#

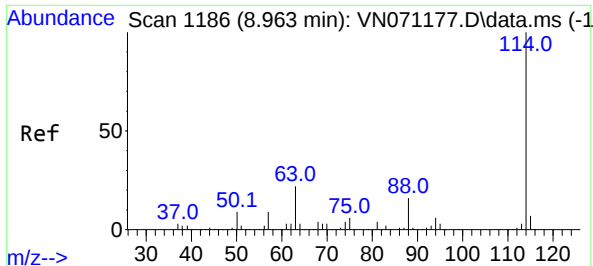


#33
1,2-Dichloroethane-d4
Concen: 45.841 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.006 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38



Tgt Ion: 65 Resp: 487429
Ion Ratio Lower Upper
65 100
67 52.1 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: VN071272.D

Acq: 14 Mar 2022 17:38

Instrument :

MSVOA_N

ClientSampleId :

PB143286ZHE#04

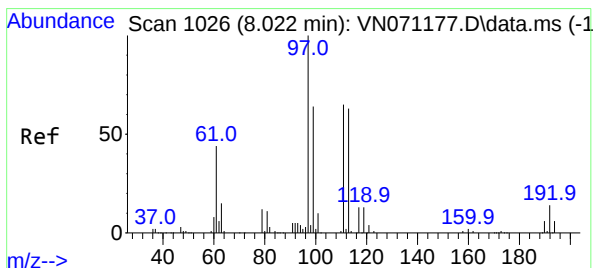
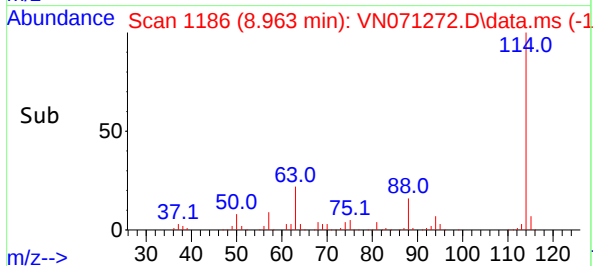
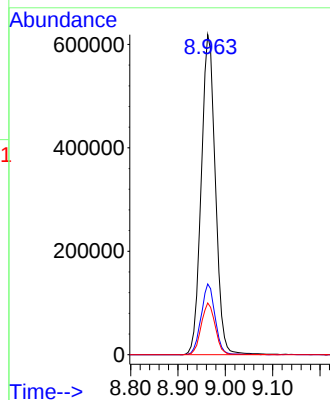
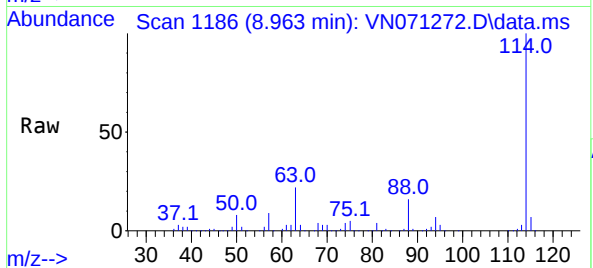
Tgt Ion:114 Resp: 1284557

Ion Ratio Lower Upper

114 100

63 22.1 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 45.537 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN071272.D

Acq: 14 Mar 2022 17:38

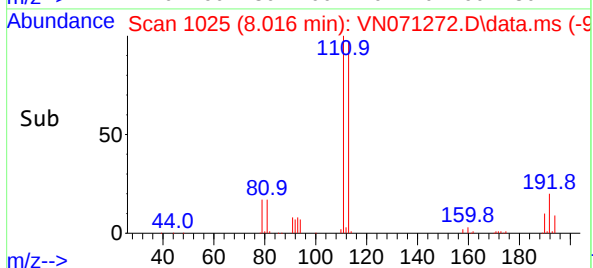
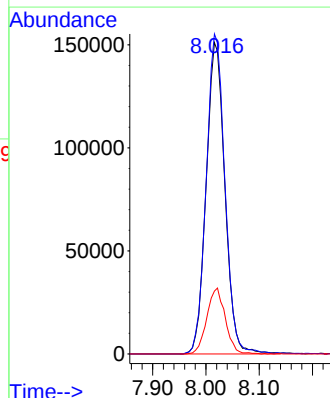
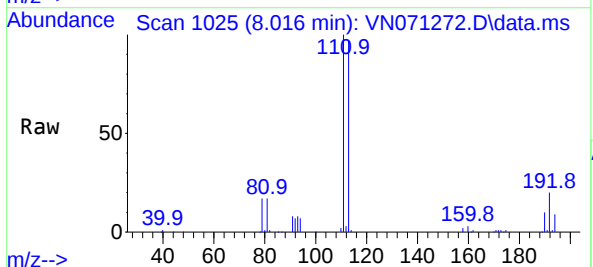
Tgt Ion:113 Resp: 369120

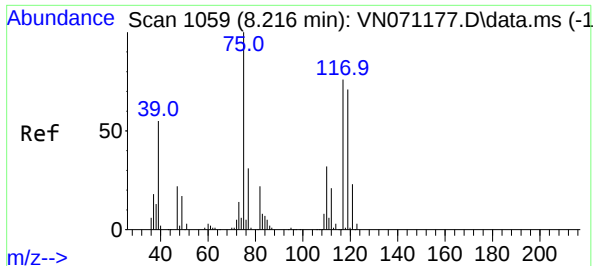
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 20.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.669 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN071272.D

Acq: 14 Mar 2022 17:38

Instrument :

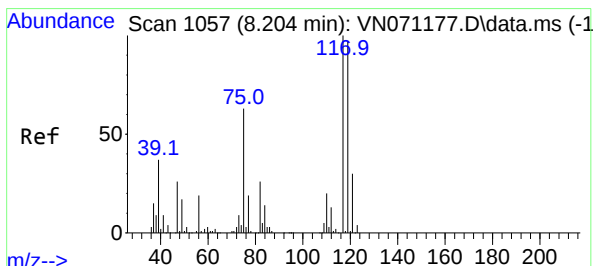
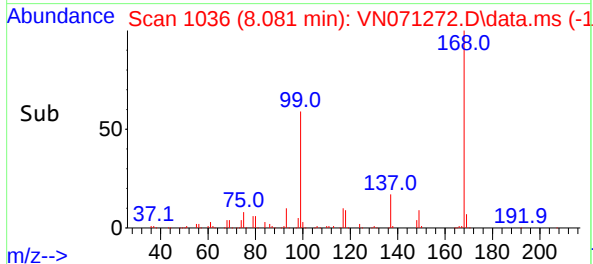
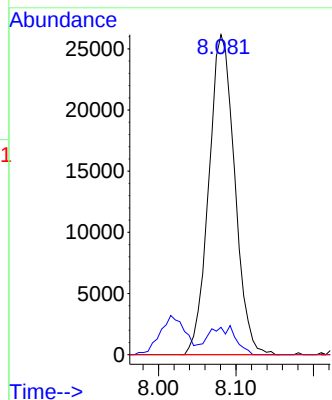
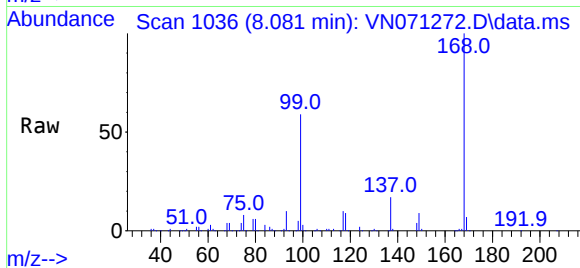
MSVOA_N

ClientSampleId :

PB143286ZHE#04

Tgt Ion: 75 Resp: 60634

Ion	Ratio	Lower	Upper
75	100		
110	9.3	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.087 ug/l

RT: 8.081 min Scan# 1036

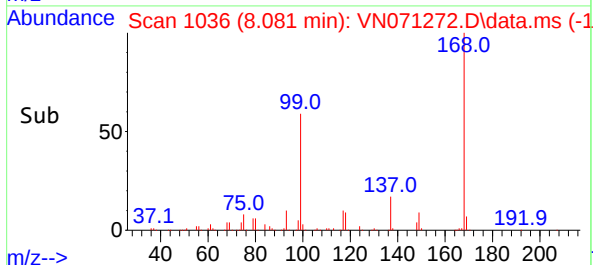
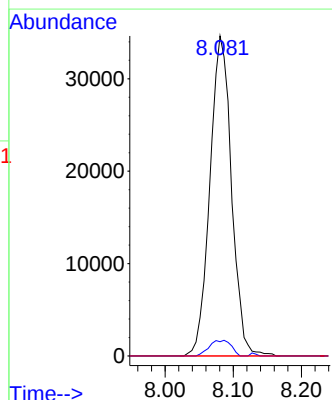
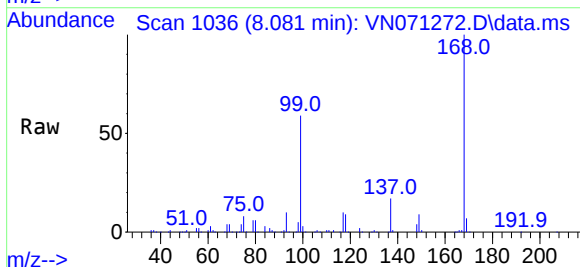
Delta R.T. -0.124 min

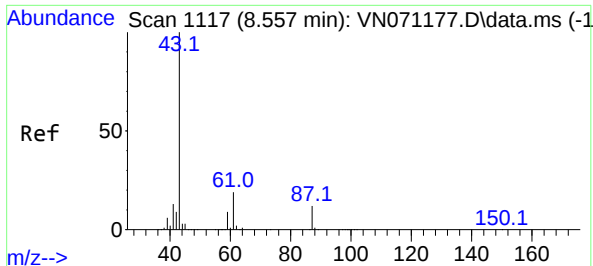
Lab File: VN071272.D

Acq: 14 Mar 2022 17:38

Tgt Ion: 117 Resp: 76466

Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.1	114.1#
121	0.0	24.2	36.2#





#43

Isopropyl Acetate

Concen: 6.256 ug/l

RT: 8.563 min Scan# 1117

Delta R.T. 0.006 min

Lab File: VN071272.D

Acq: 14 Mar 2022 17:38

Instrument :

MSVOA_N

ClientSampleId :

PB143286ZHE#04

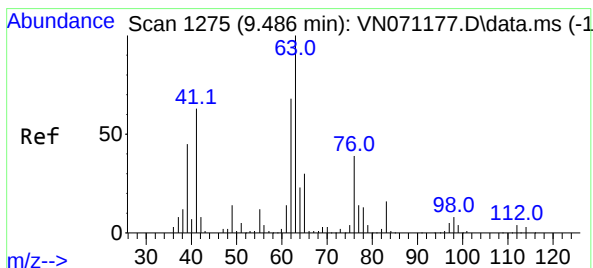
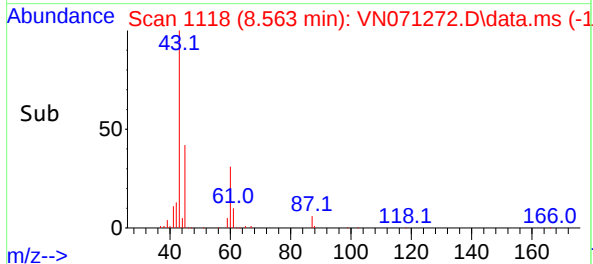
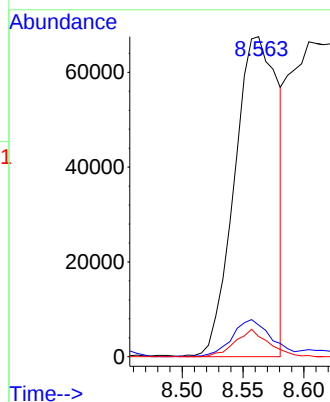
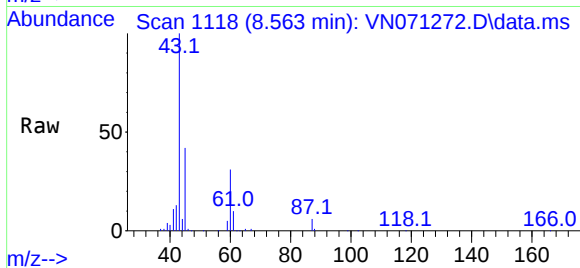
Tgt Ion: 43 Resp: 167223

Ion Ratio Lower Upper

43 100

61 10.5 20.4 30.6#

87 6.6 11.2 16.8#



#45

1,2-Dichloropropane

Concen: 0.558 ug/l

RT: 9.622 min Scan# 1298

Delta R.T. 0.136 min

Lab File: VN071272.D

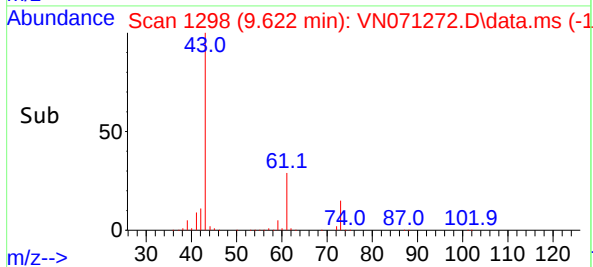
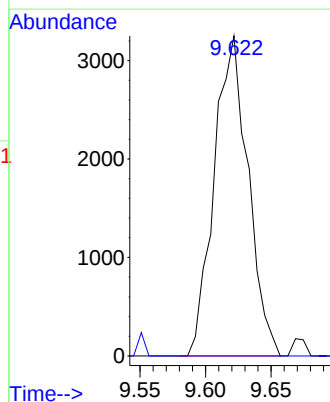
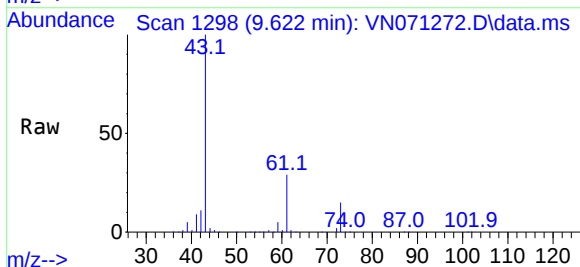
Acq: 14 Mar 2022 17:38

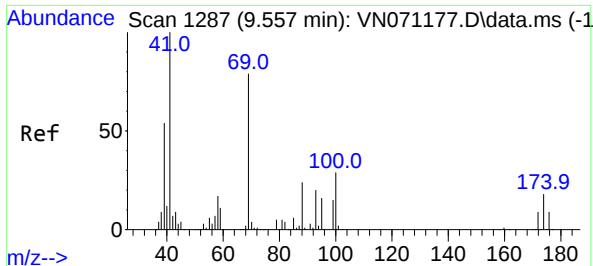
Tgt Ion: 63 Resp: 5860

Ion Ratio Lower Upper

63 100

65 0.0 24.7 37.1#

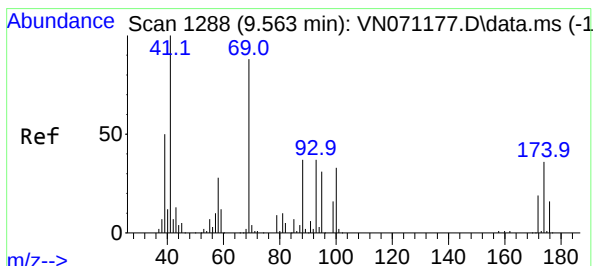
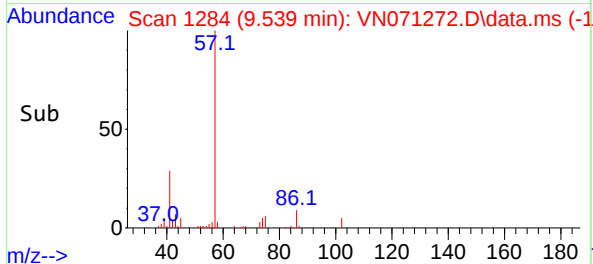
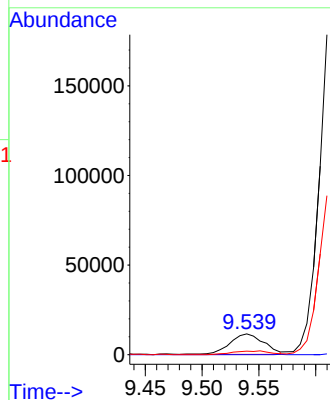
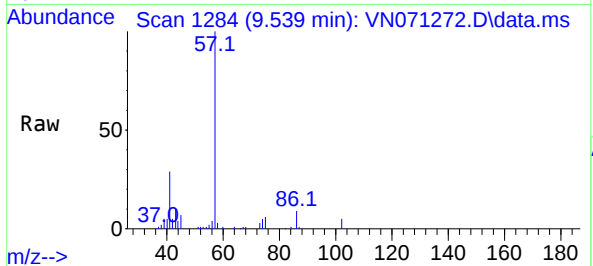




#48
Methyl methacrylate
Concen: 1.916 ug/l
RT: 9.539 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

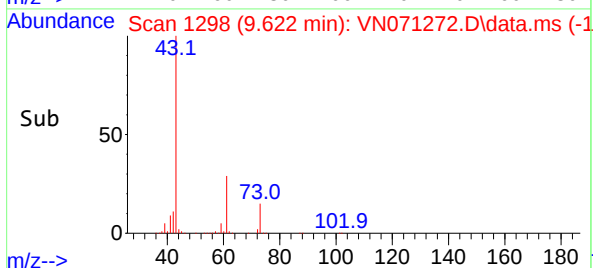
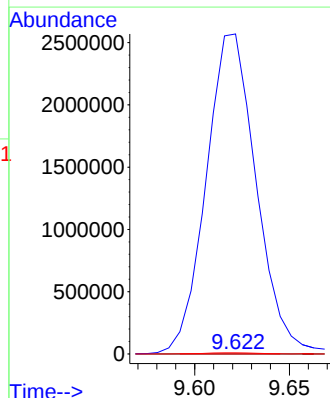
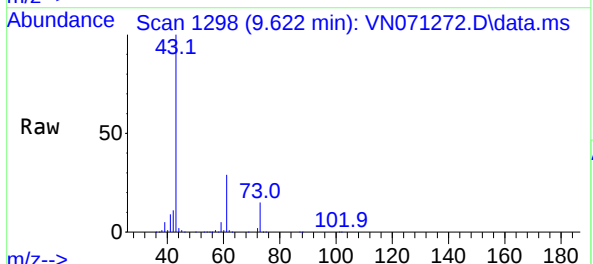
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

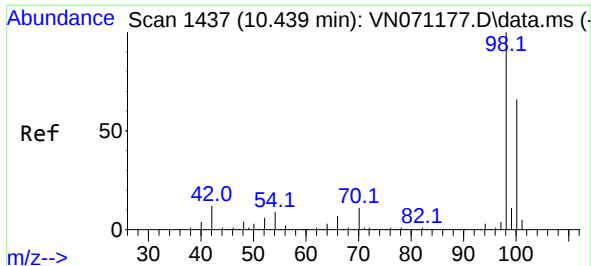
Tgt Ion: 41 Resp: 23735
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 0.0 58.4 87.6#



#49
1,4-Dioxane
Concen: 3.400 ug/l
RT: 9.622 min Scan# 1298
Delta R.T. 0.059 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 88 Resp: 732
Ion Ratio Lower Upper
88 100
43 657539.3 23.4 35.2#
58 2593.4 50.6 75.8#

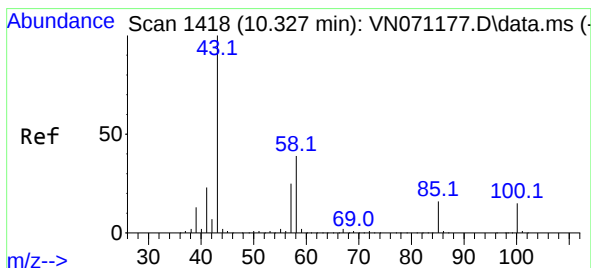
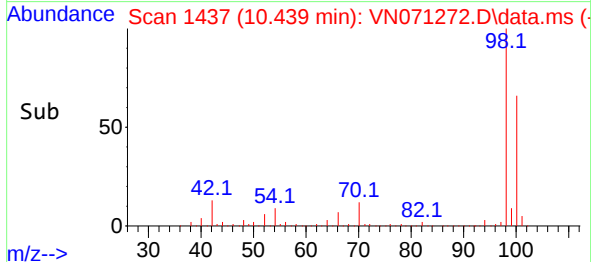
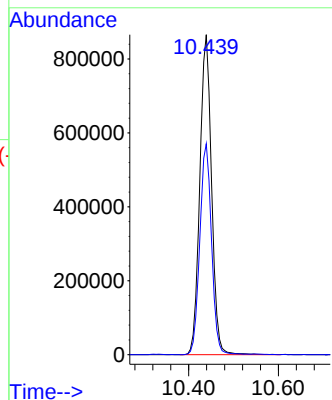
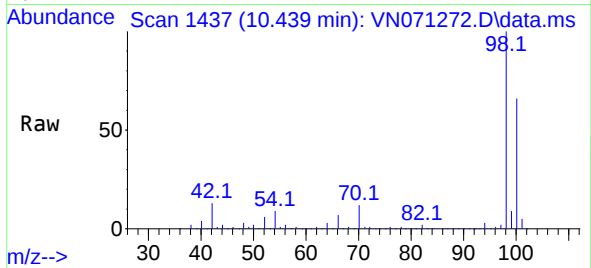




#50
Toluene-d8
Concen: 48.034 ug/l
RT: 10.439 min Scan# 1417
Delta R.T. 0.000 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

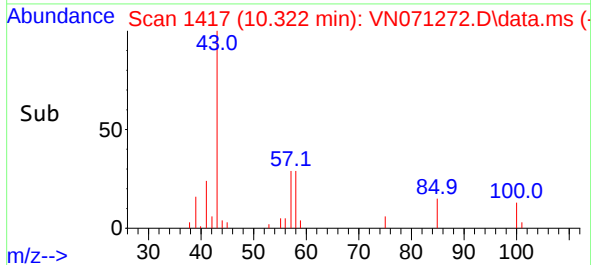
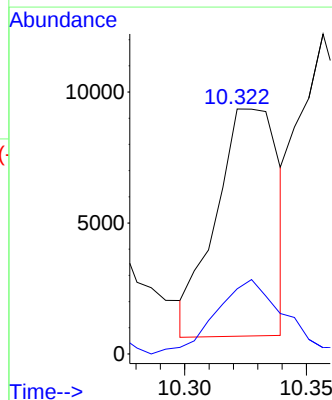
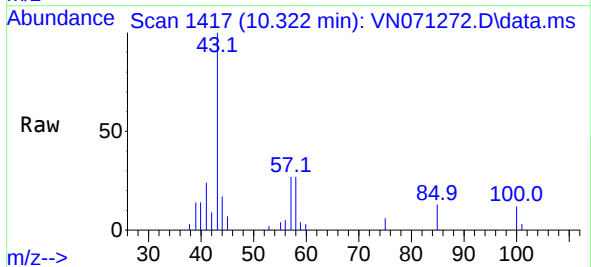
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

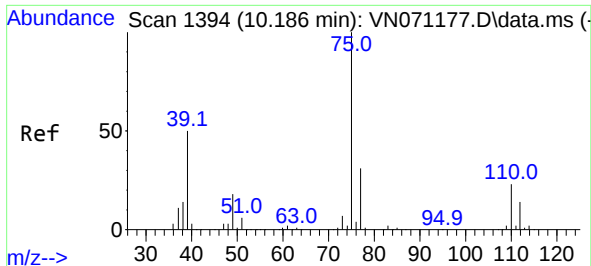
Tgt Ion: 98 Resp: 1567684
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.934 ug/l
RT: 10.322 min Scan# 1417
Delta R.T. -0.005 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 43 Resp: 15490
Ion Ratio Lower Upper
43 100
58 36.2 30.4 45.6

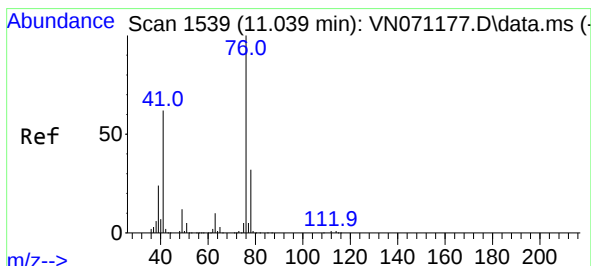
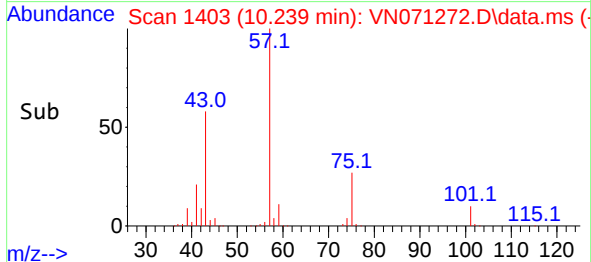
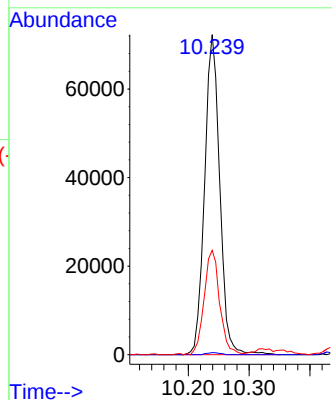
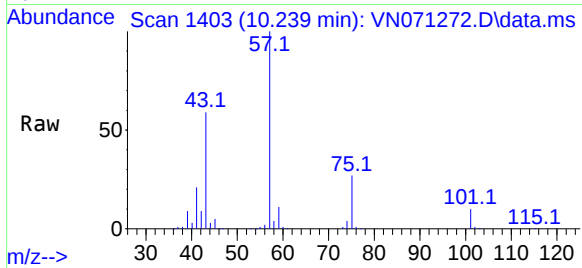




#54
cis-1,3-Dichloropropene
Concen: 7.935 ug/l
RT: 10.239 min Scan# 1403
Delta R.T. 0.053 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

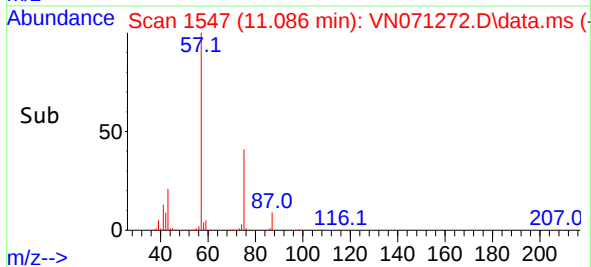
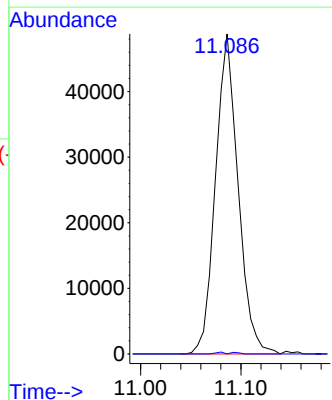
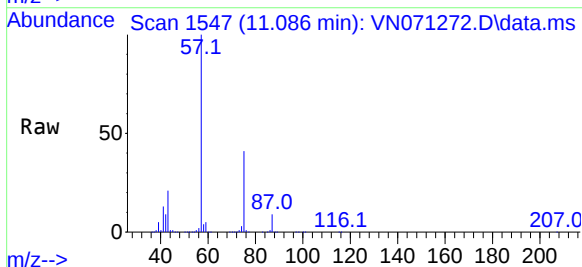
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

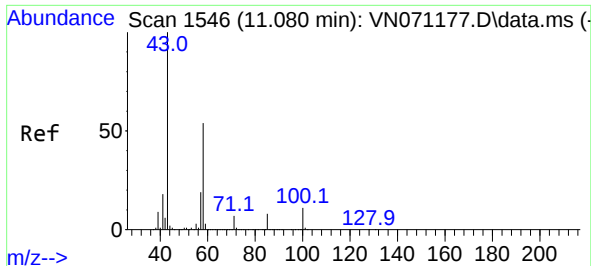
Tgt Ion: 75 Resp: 124871
Ion Ratio Lower Upper
75 100
77 0.7 26.4 39.6#
39 32.2 42.5 63.7#



#57
1,3-Dichloropropane
Concen: 4.400 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.047 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 76 Resp: 76258
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

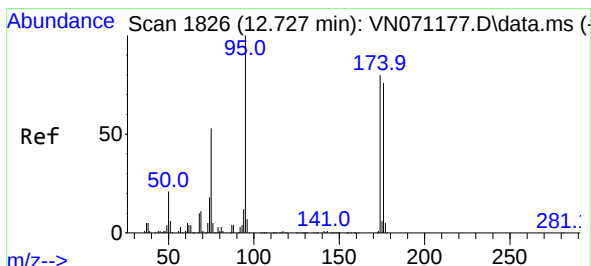
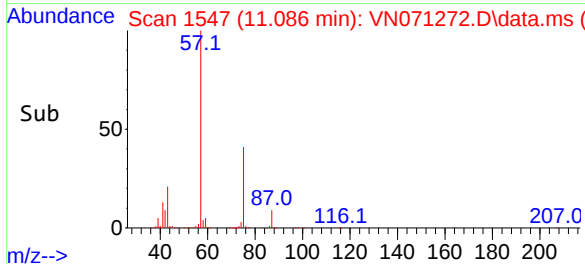
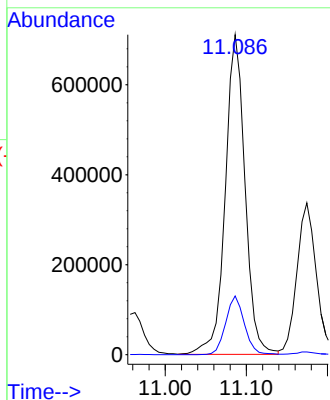
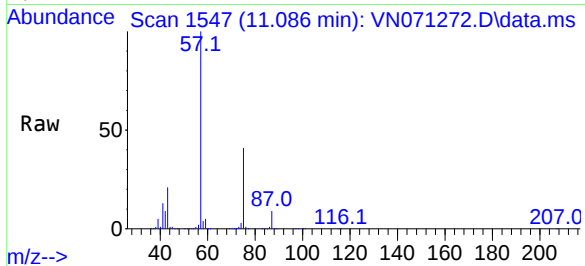




#59
2-Hexanone
Concen: 106.256 ug/l
RT: 11.086 min Scan# 1154
Delta R.T. 0.006 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

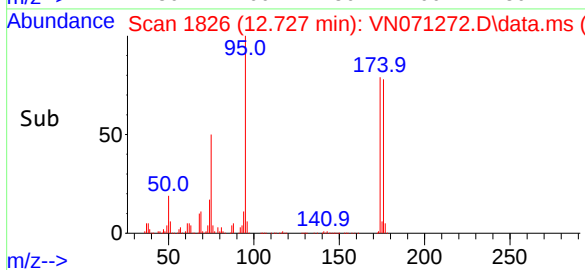
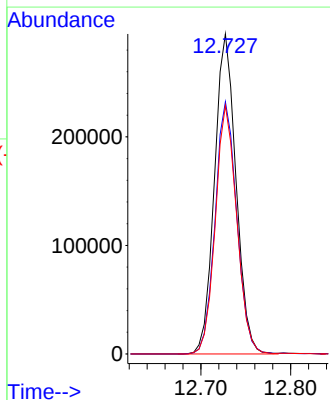
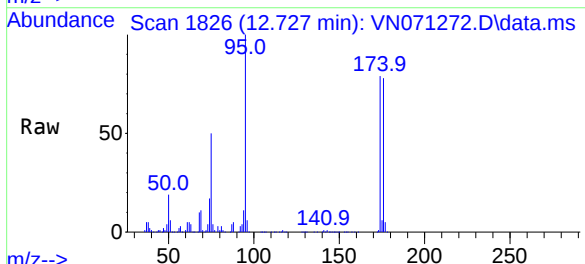
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

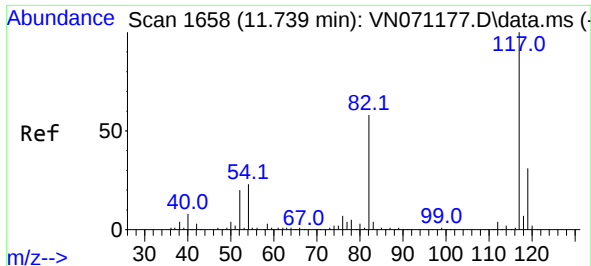
Tgt Ion: 43 Resp: 1202641
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.7#



#62
4-Bromofluorobenzene
Concen: 44.424 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion: 95 Resp: 490961
Ion Ratio Lower Upper
95 100
174 79.3 0.0 187.2
176 76.9 0.0 181.4

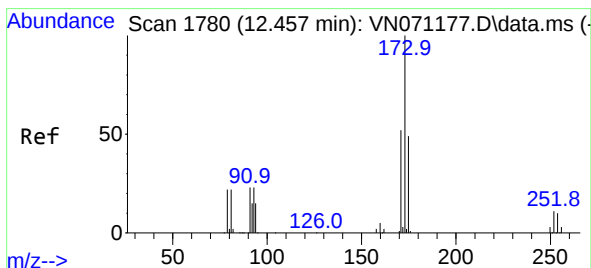
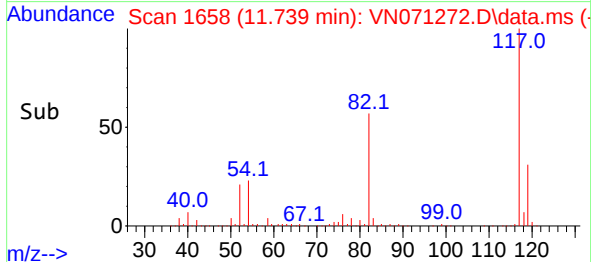
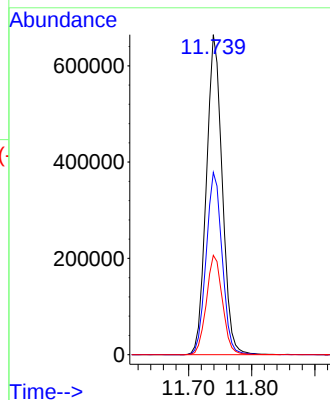
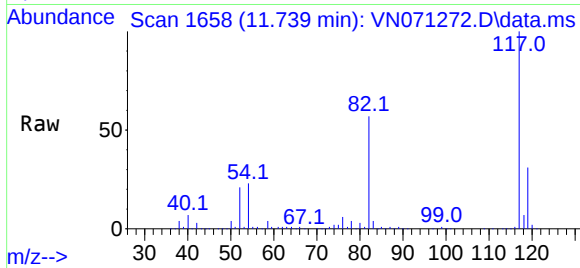




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

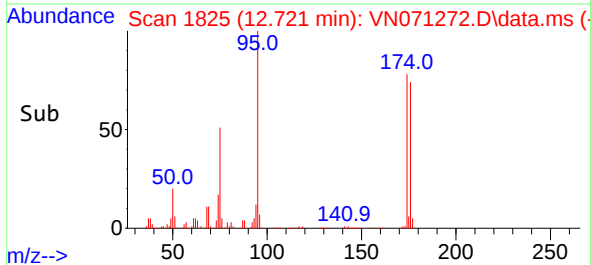
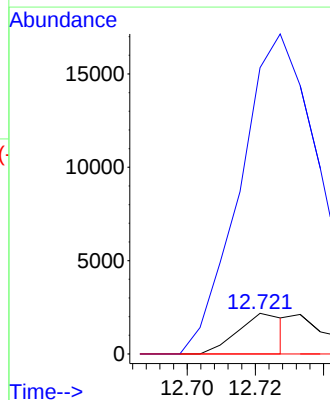
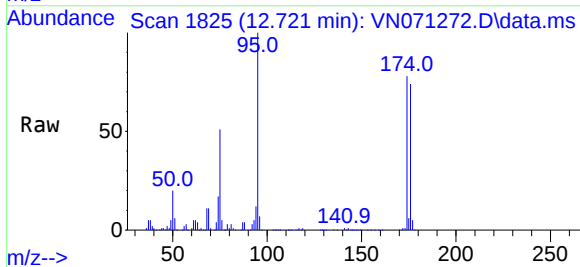
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

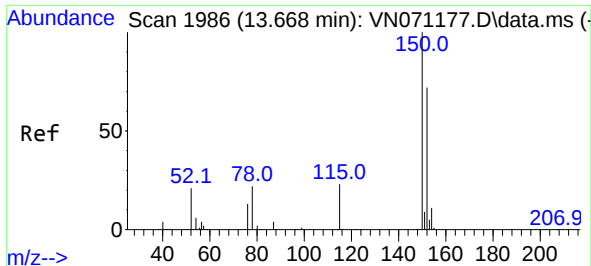
Tgt Ion:117 Resp: 1159893
Ion Ratio Lower Upper
117 100
82 56.9 42.4 63.6
119 31.1 25.4 38.2



#71
Bromoform
Concen: 0.300 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion:173 Resp: 2078
Ion Ratio Lower Upper
173 100
175 1050.4 24.2 72.6#
254 0.0 0.0 0.0

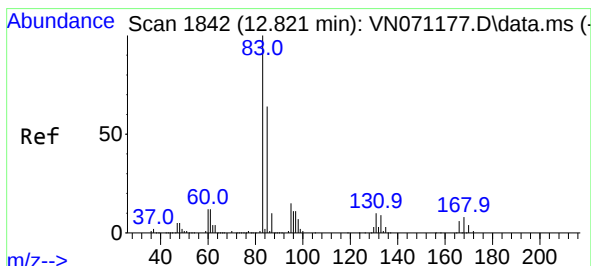
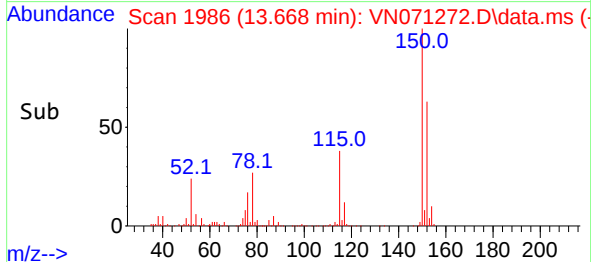
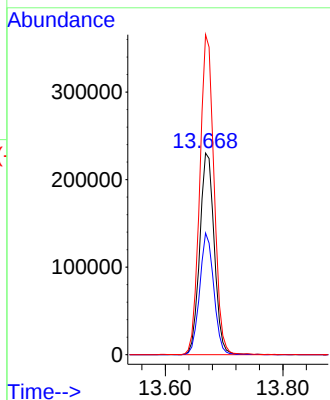
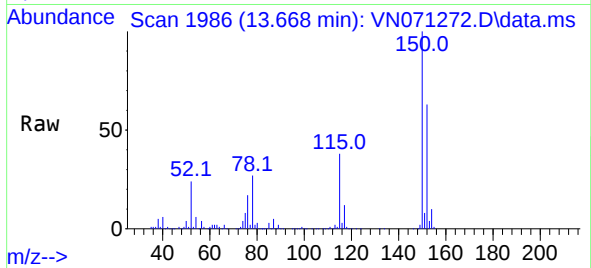




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071272.D
 Acq: 14 Mar 2022 17:38

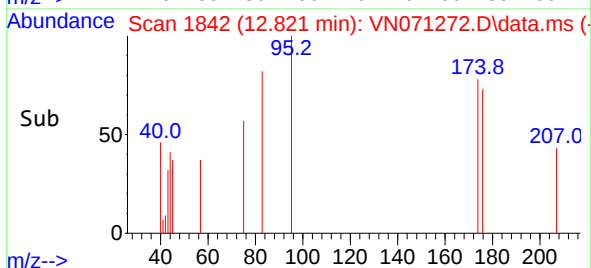
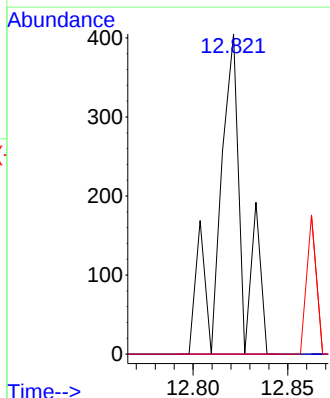
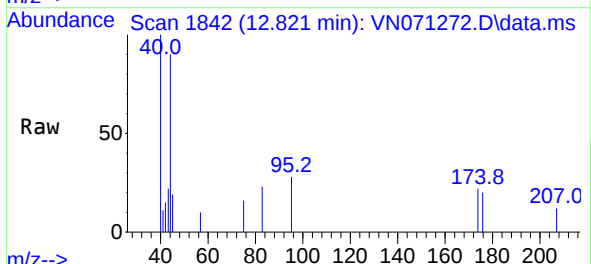
Instrument :
 MSVOA_N
 ClientSampleId :
 PB143286ZHE#04

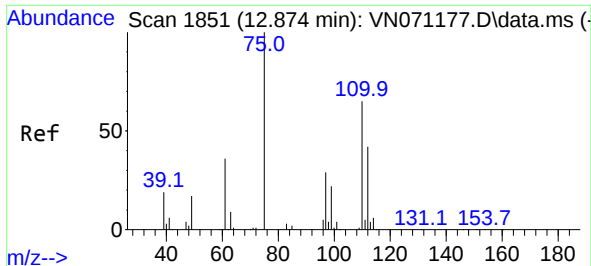
Tgt Ion:152 Resp: 394061
 Ion Ratio Lower Upper
 152 100
 115 58.7 27.5 82.5
 150 155.8 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.821 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: VN071272.D
 Acq: 14 Mar 2022 17:38

Tgt Ion: 83 Resp: 361
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 0.0 32.4 97.2#

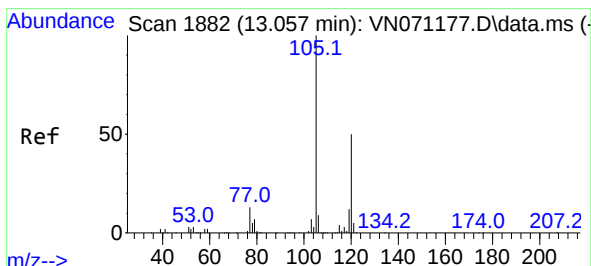
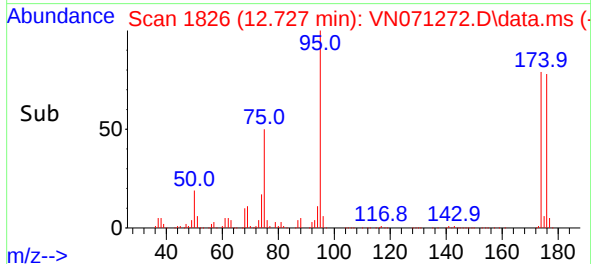
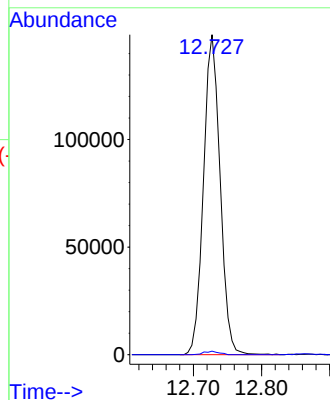
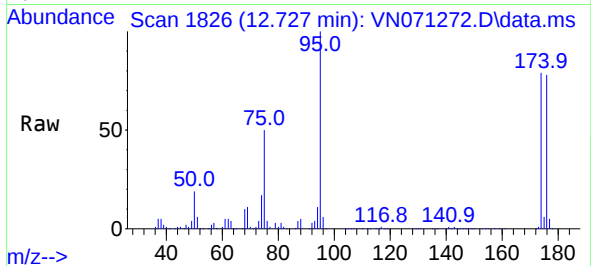




#76
1,2,3-Trichloropropane
Concen: 24.985 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

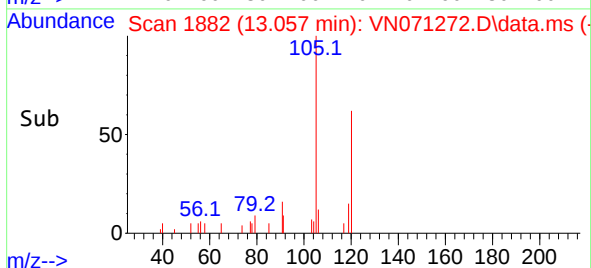
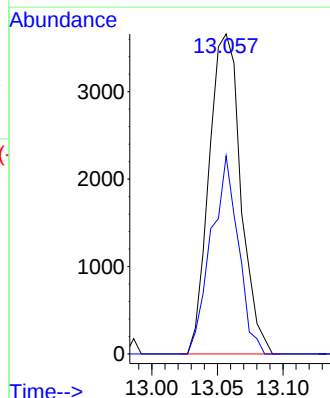
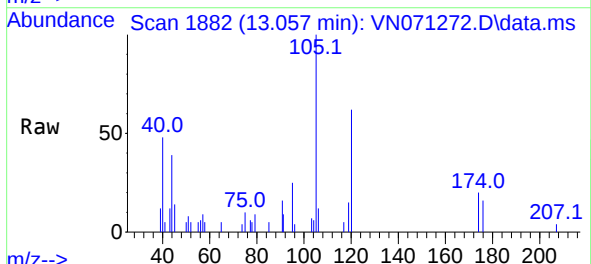
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

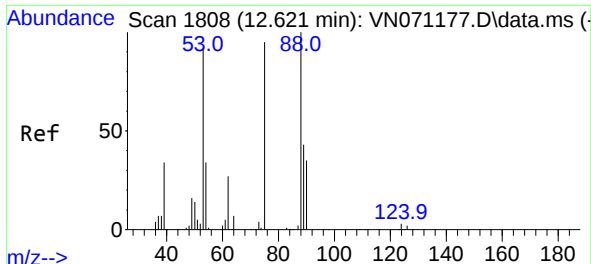
Tgt Ion: 75 Resp: 252111
Ion Ratio Lower Upper
75 100
77 1.0 82.6 247.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.209 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion:105 Resp: 6173
Ion Ratio Lower Upper
105 100
120 52.9 24.6 73.6

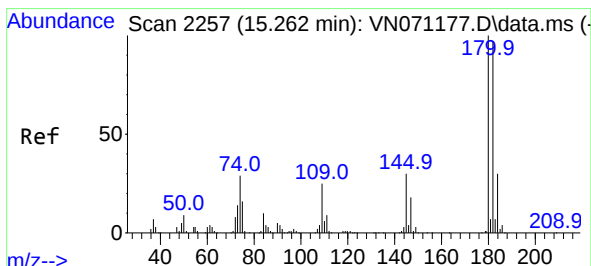
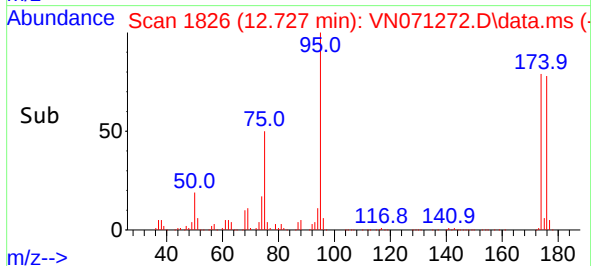
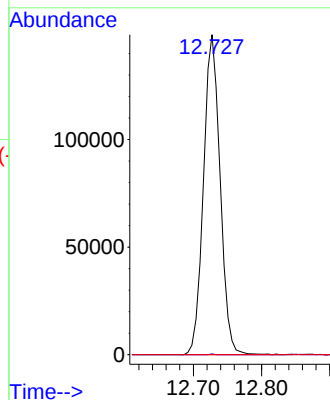
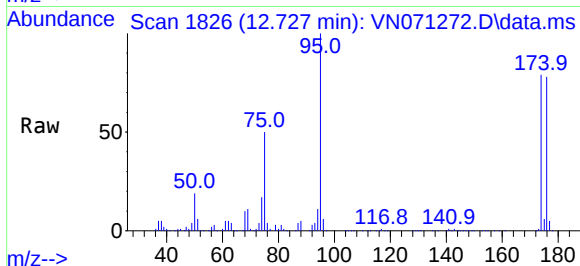




#81
trans-1,4-Dichloro-2-butene
Concen: 69.160 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

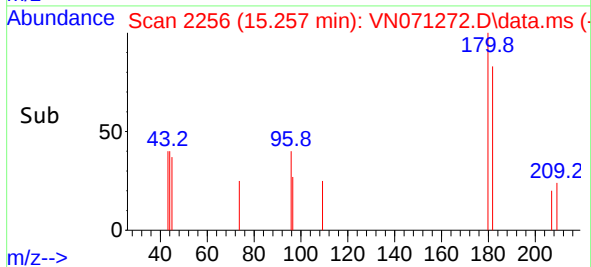
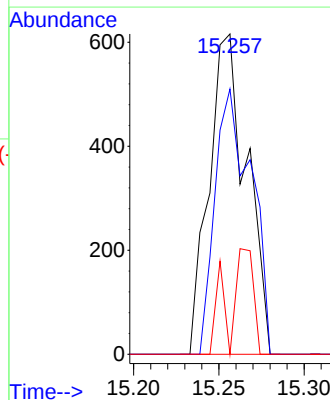
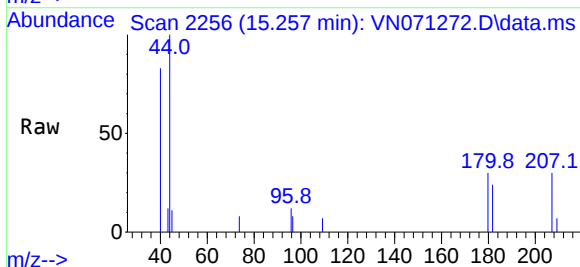
Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

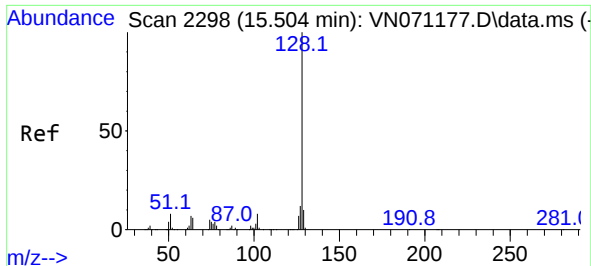
Tgt Ion: 75 Resp: 252111
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 3.127 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.005 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion:180 Resp: 946
Ion Ratio Lower Upper
180 100
182 79.4 48.3 144.9
145 21.7 14.5 43.5

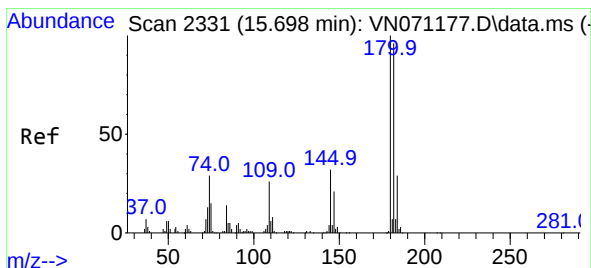
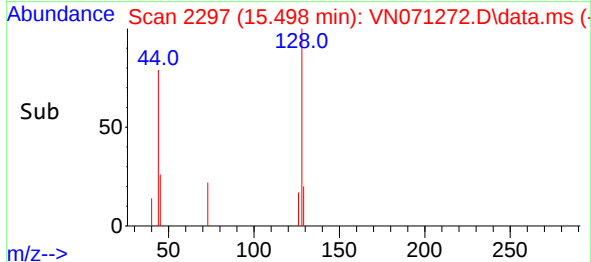
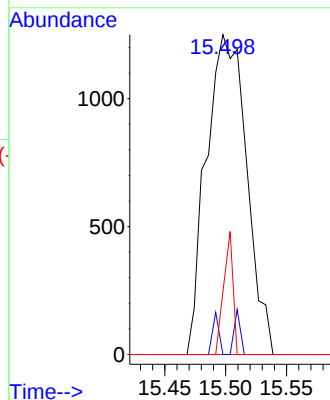
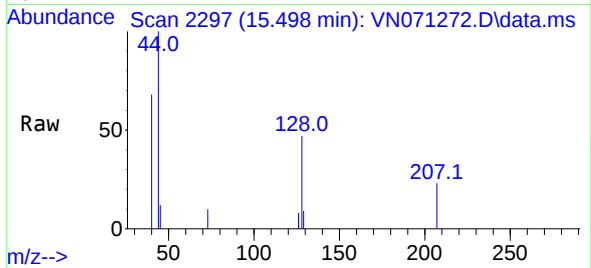




#95
Naphthalene
Concen: 5.211 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Instrument :
MSVOA_N
ClientSampleId :
PB143286ZHE#04

Tgt Ion:128 Resp: 2880
Ion Ratio Lower Upper
128 100
127 2.2 10.5 15.7#
129 8.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.879 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN071272.D
Acq: 14 Mar 2022 17:38

Tgt Ion:180 Resp: 962
Ion Ratio Lower Upper
180 100
182 91.4 47.4 142.2
145 7.0 15.0 45.1#

