

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010522\
 Data File : VY007019.D
 Acq On : 05 Jan 2022 14:44
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 06 04:54:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 06 04:51:57 2022
 Response via : Initial Calibration

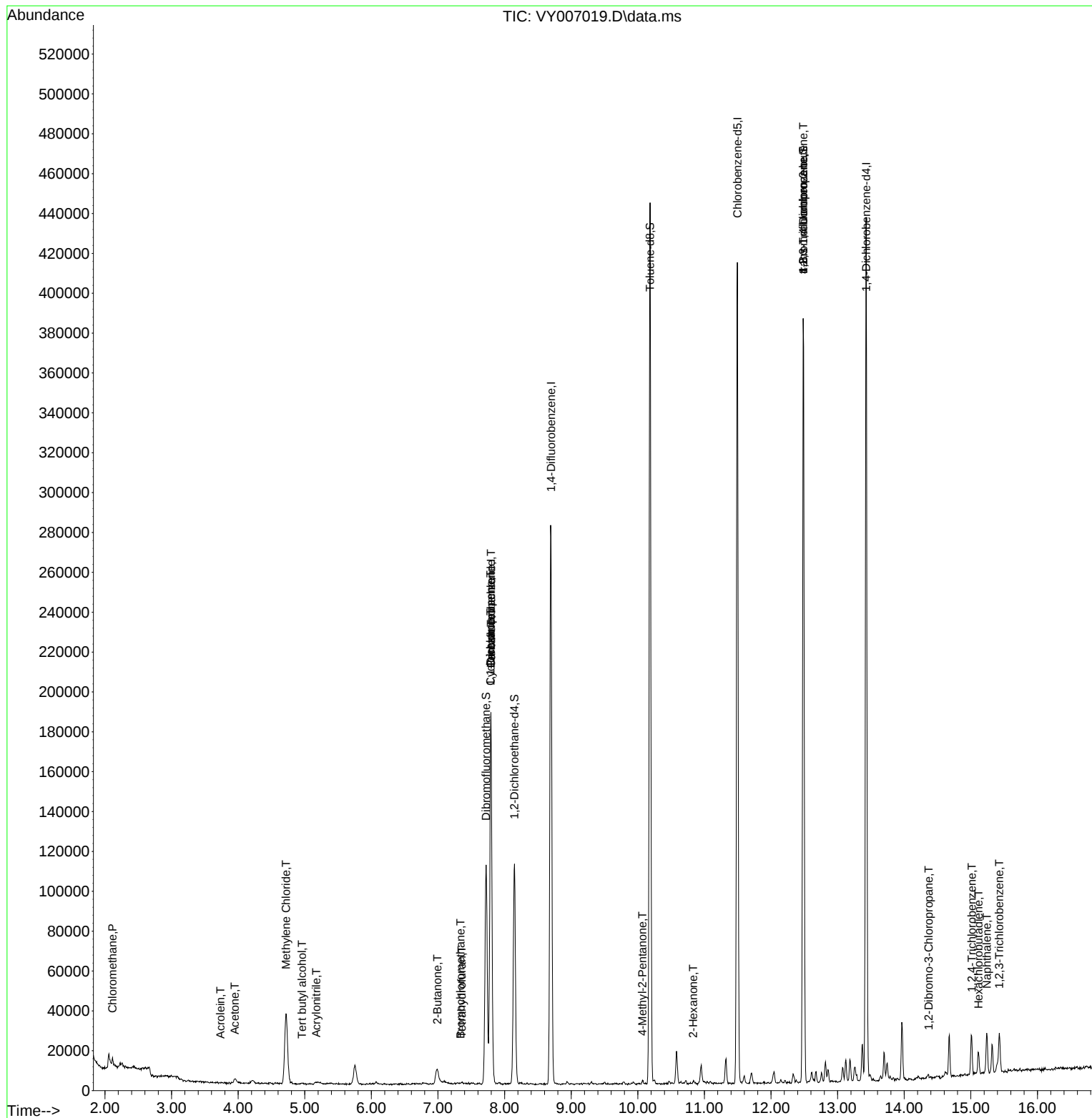
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	136404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	249143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	224060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	105462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	87354	54.253	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.500%	
35) Dibromofluoromethane	7.722	113	81097	49.518	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.040%	
50) Toluene-d8	10.185	98	291763	47.949	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 95.900%	
62) 4-Bromofluorobenzene	12.483	95	116107	50.666	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.340%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	3075	3.197	ug/l #	88
11) Tert butyl alcohol	4.960	59	827	5.696	ug/l #	71
13) Acrolein	3.735	56	379	8.437	ug/l #	63
15) Acrylonitrile	5.174	53	1181	2.661	ug/l #	66
16) Acetone	3.948	43	4061	11.448	ug/l #	81
20) Methylene Chloride	4.716	84	28299	1.698	ug/l	96
25) 2-Butanone	6.990	43	1418	2.776	ug/l #	70
28) Bromochloromethane	7.338	49	106	2.171	ug/l #	55
29) Tetrahydrofuran	7.356	42	463	1.220	ug/l #	49
31) Cyclohexane	7.789	56	3127	1.038	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	11388	4.172	ug/l #	49
38) Carbon Tetrachloride	7.795	117	14641	5.128	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	1493	1.116	ug/l	95
59) 2-Hexanone	10.831	43	970	1.120	ug/l	88
76) 1,2,3-Trichloropropane	12.483	75	58503	44.040	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58503	80.436	ug/l #	4
92) 1,2-Dibromo-3-Chloropr...	14.367	75	794	2.371	ug/l	53
93) 1,2,4-Trichlorobenzene	15.013	180	5440	2.559	ug/l	96
94) Hexachlorobutadiene	15.117	225	1909	1.714	ug/l	97
95) Naphthalene	15.239	128	16354	3.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	5574	3.038	ug/l	99

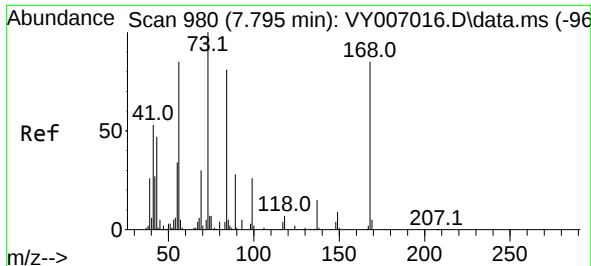
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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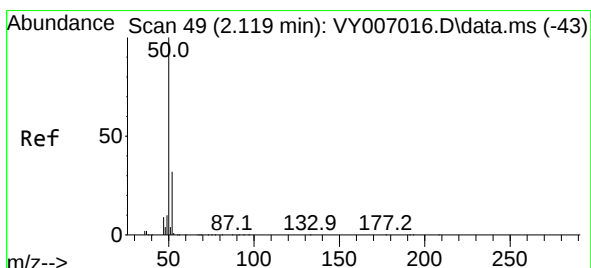
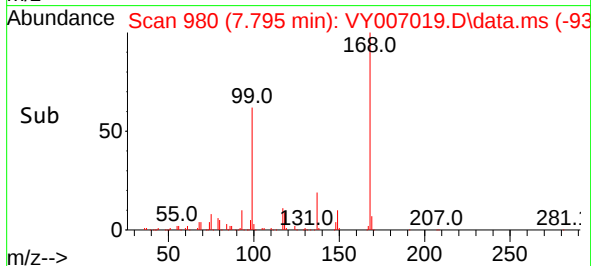
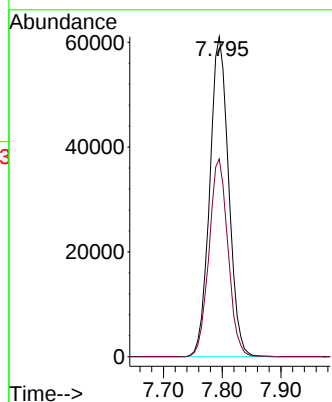
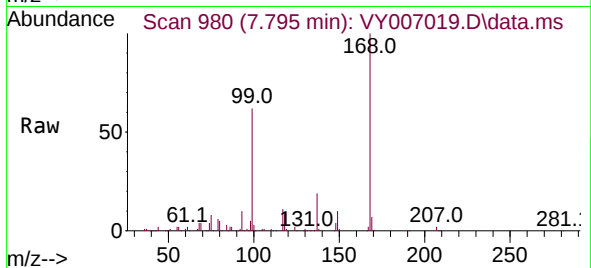




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

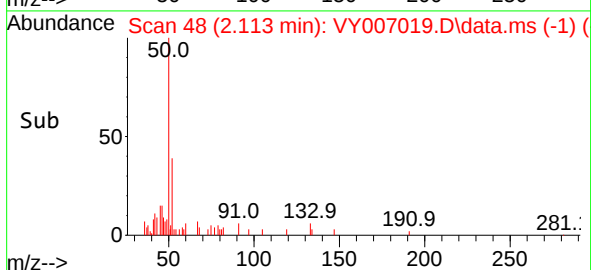
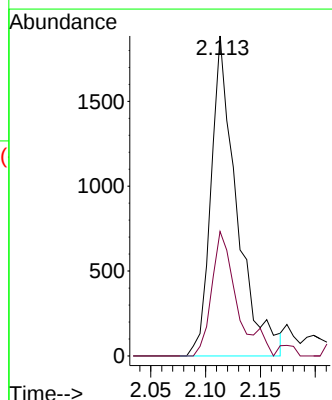
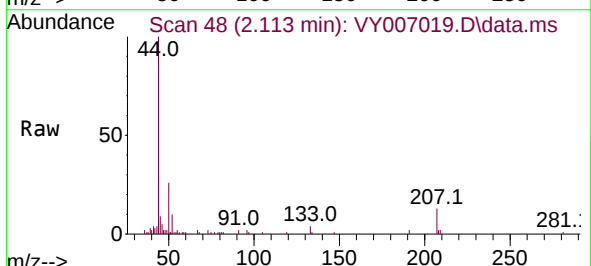
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

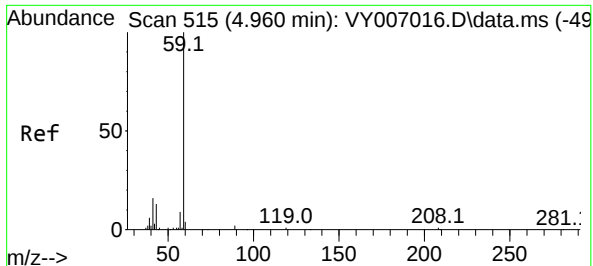
Tgt Ion:168 Resp: 136404
Ion Ratio Lower Upper
168 100
99 61.8 48.9 73.3



#3
Chloromethane
Concen: 3.197 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

Tgt Ion: 50 Resp: 3075
Ion Ratio Lower Upper
50 100
52 38.9 25.8 38.8#

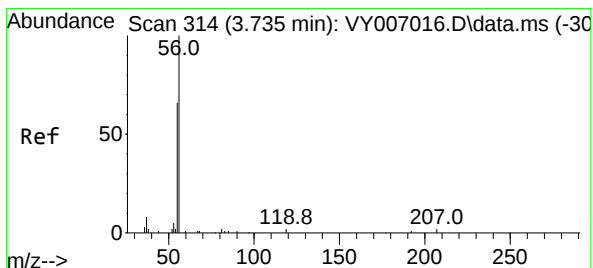
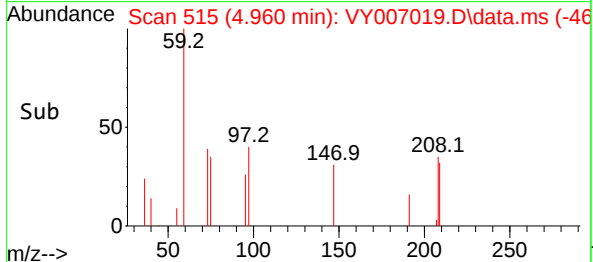
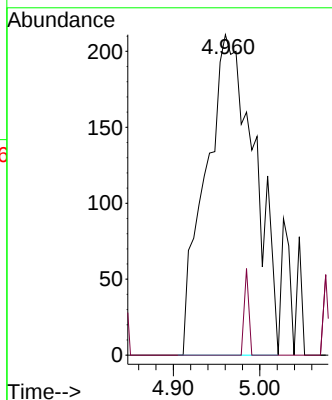
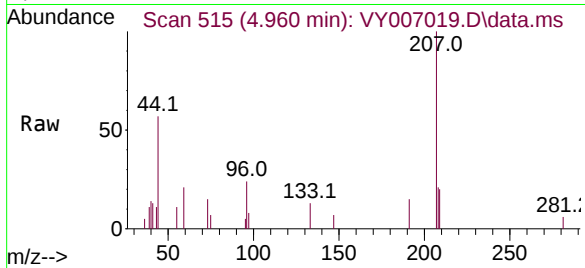




#11
Tert butyl alcohol
Concen: 5.696 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

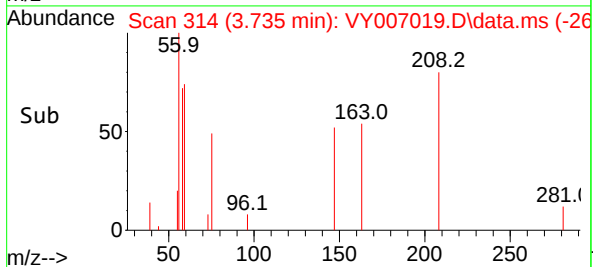
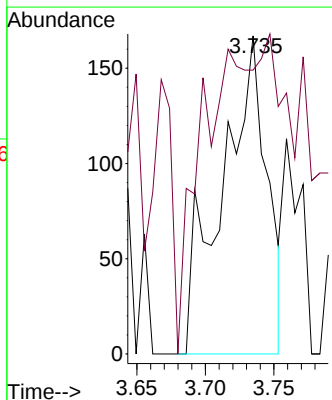
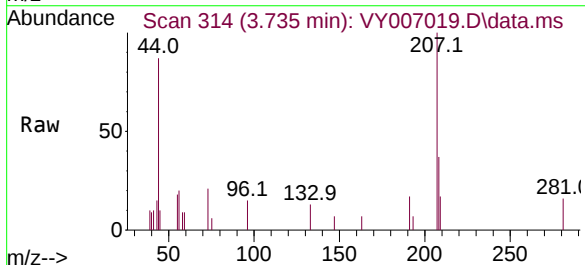
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

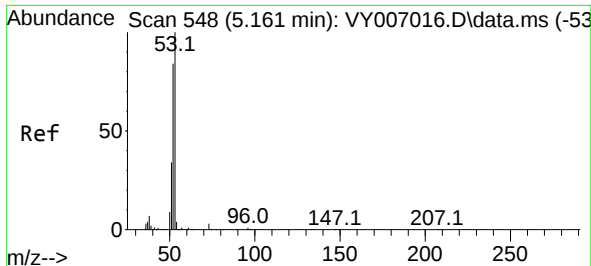
Tgt Ion: 59 Resp: 827
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



#13
Acrolein
Concen: 8.437 ug/l
RT: 3.735 min Scan# 314
Delta R.T. 0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

Tgt Ion: 56 Resp: 379
Ion Ratio Lower Upper
56 100
55 98.2 54.6 82.0#





#15

Acrylonitrile

Concen: 2.661 ug/l

RT: 5.174 min Scan# 5

Delta R.T. 0.012 min

Lab File: VY007019.D

Acq: 05 Jan 2022 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

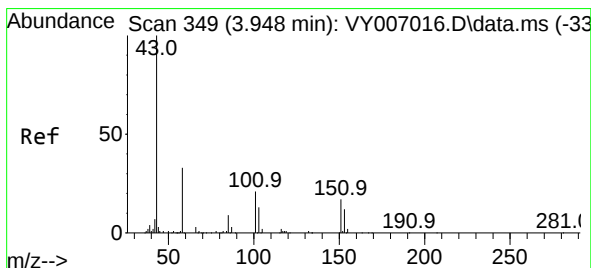
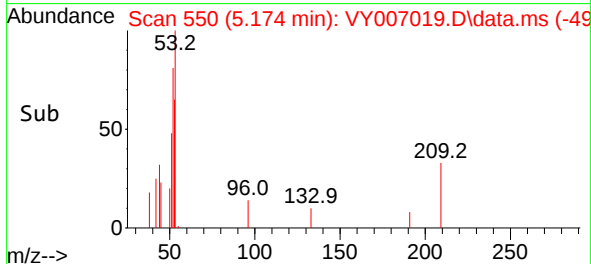
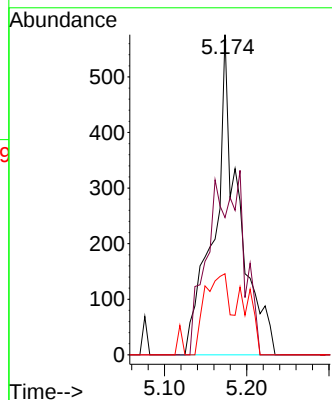
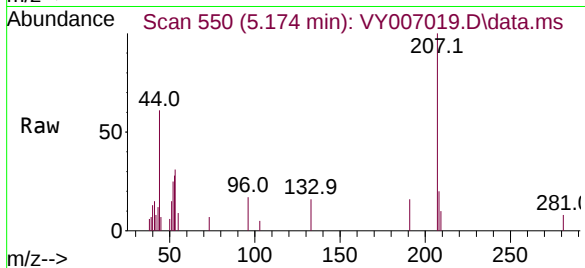
Tgt Ion: 53 Resp: 1181

Ion Ratio Lower Upper

53 100

52 44.4 65.4 98.0#

51 26.8 28.7 43.1#



#16

Acetone

Concen: 11.448 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY007019.D

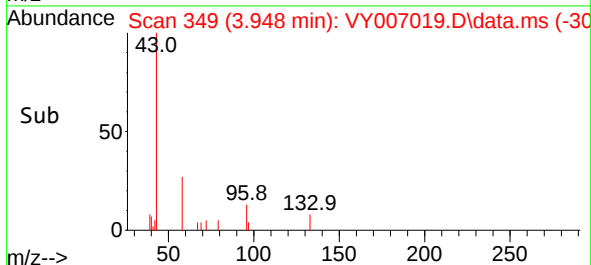
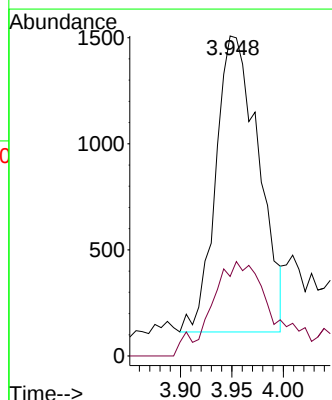
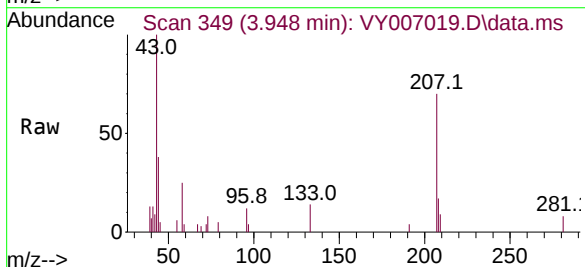
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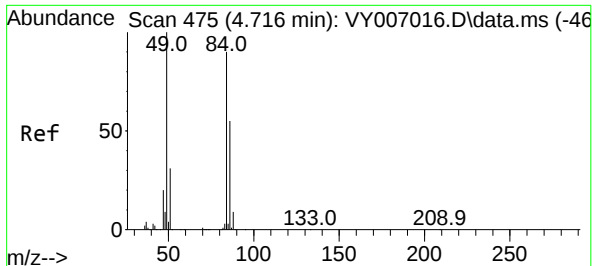
Tgt Ion: 43 Resp: 4061

Ion Ratio Lower Upper

43 100

58 22.3 26.3 39.5#





#20

Methylene Chloride

Concen: 1.698 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY007019.D

Acq: 05 Jan 2022 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 28299

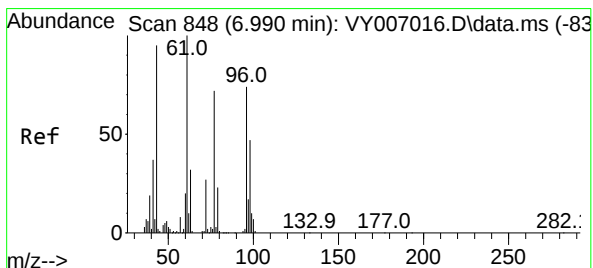
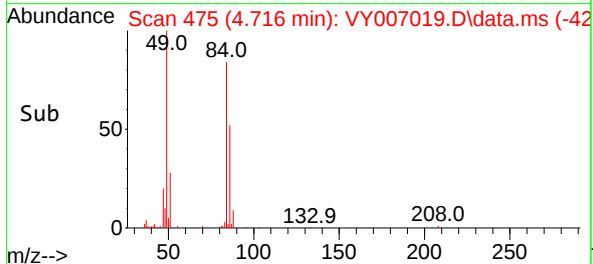
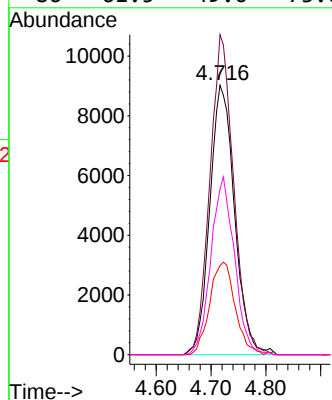
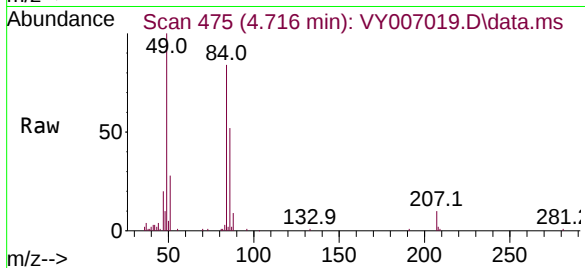
Ion Ratio Lower Upper

84 100

49 118.8 89.4 134.0

51 33.1 27.7 41.5

86 61.5 49.0 73.6



#25

2-Butanone

Concen: 2.776 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.000 min

Lab File: VY007019.D

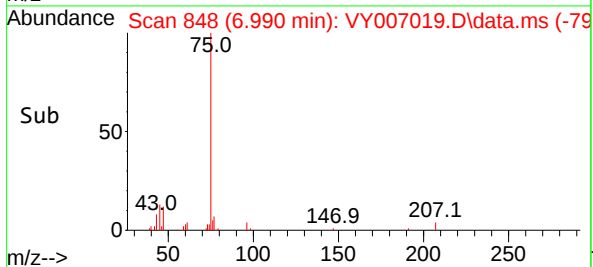
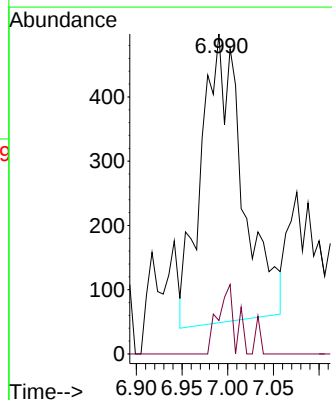
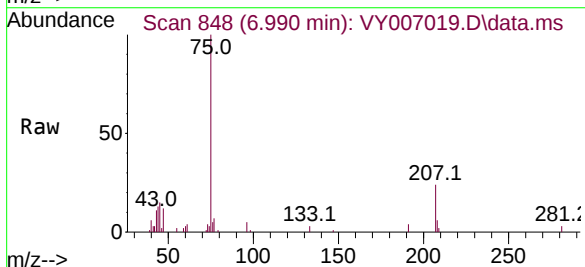
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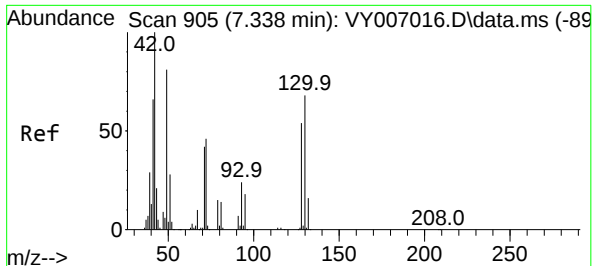
Tgt Ion: 43 Resp: 1418

Ion Ratio Lower Upper

43 100

72 12.6 22.6 34.0#

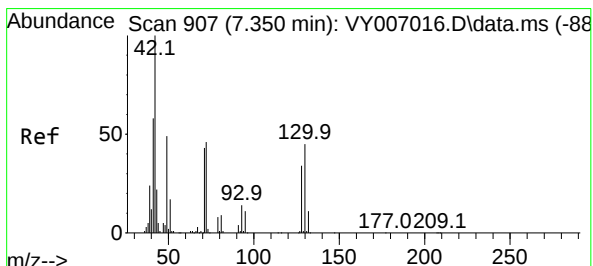
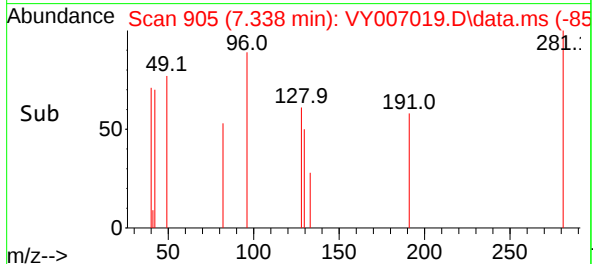
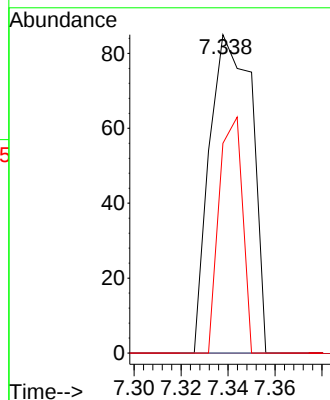
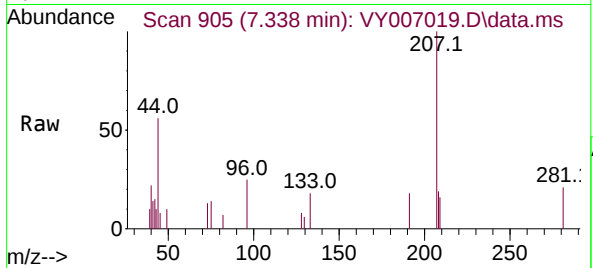




#28
Bromochloromethane
Concen: 2.171 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

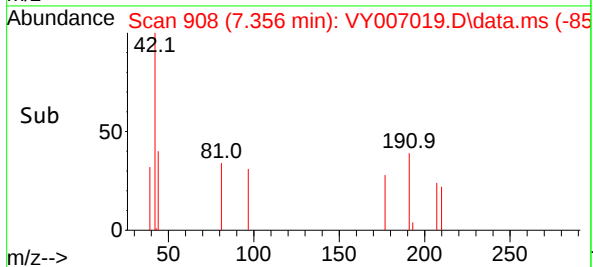
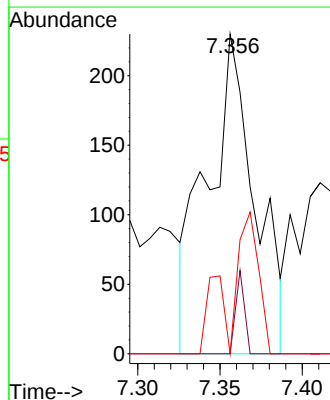
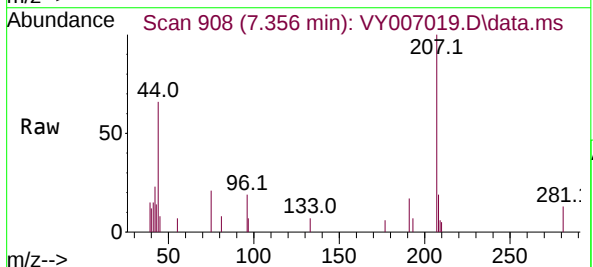
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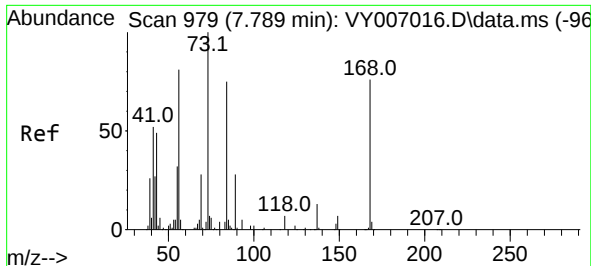
Tgt Ion: 49 Resp: 106
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 41.5 66.2 99.4#



#29
Tetrahydrofuran
Concen: 1.220 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.006 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

Tgt Ion: 42 Resp: 463
Ion Ratio Lower Upper
42 100
72 4.8 37.1 55.7#
71 18.8 34.6 52.0#

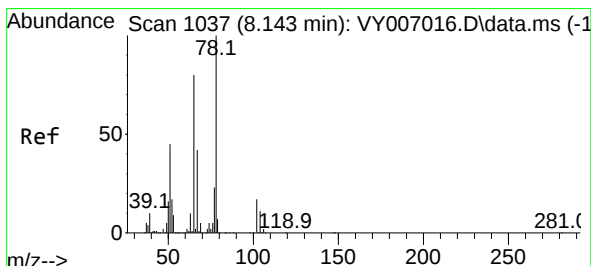
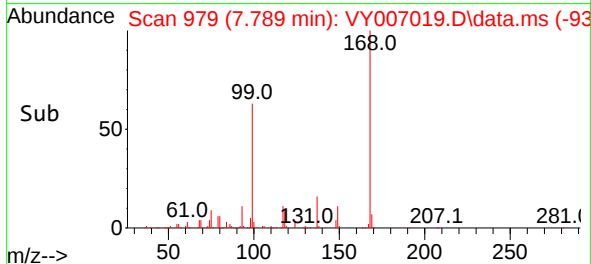
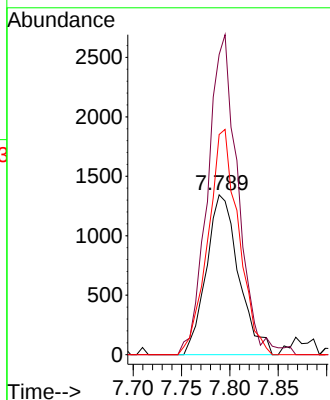
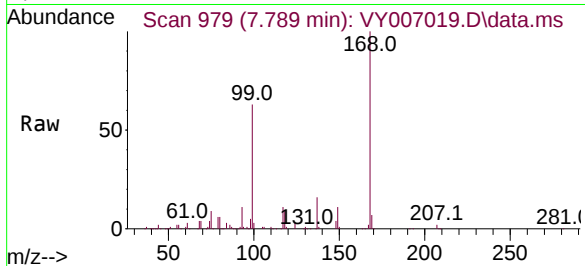




#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

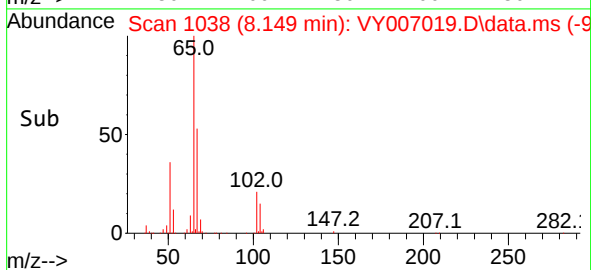
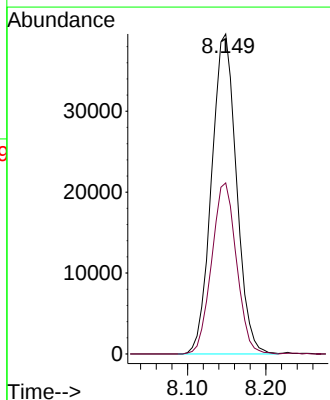
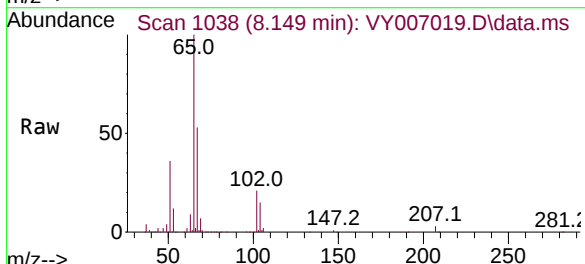
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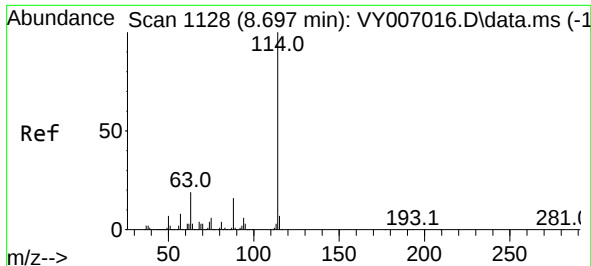
Tgt Ion: 56 Resp: 3127
Ion Ratio Lower Upper
56 100
69 187.8 27.8 41.6#
84 137.8 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 54.253 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

Tgt Ion: 65 Resp: 87354
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8

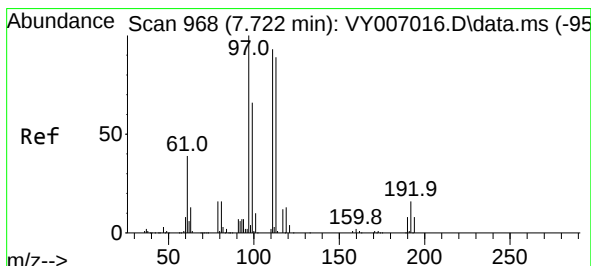
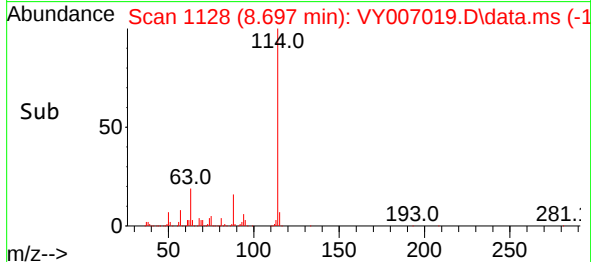
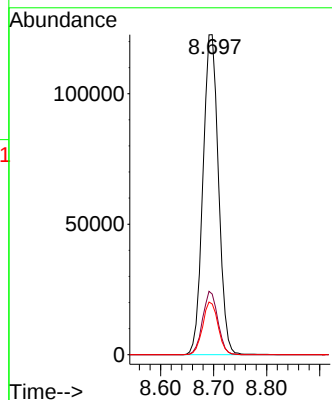
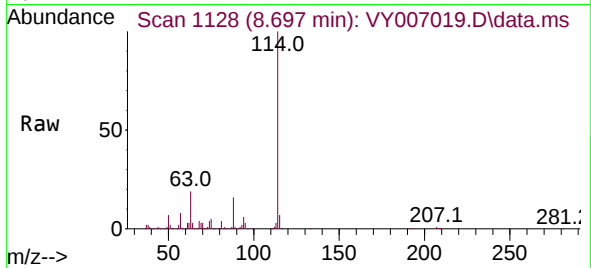




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

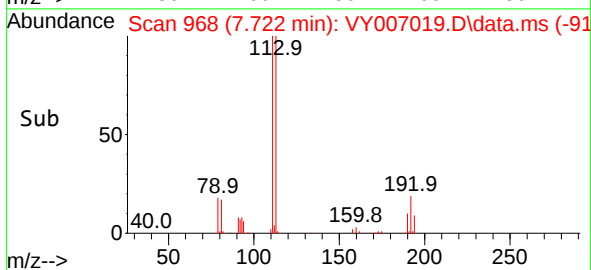
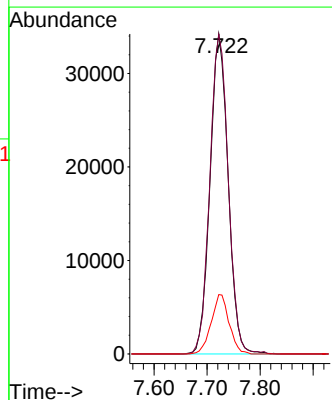
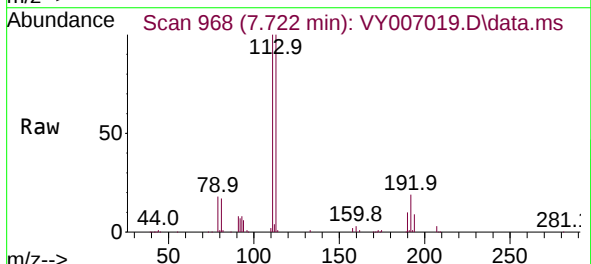
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

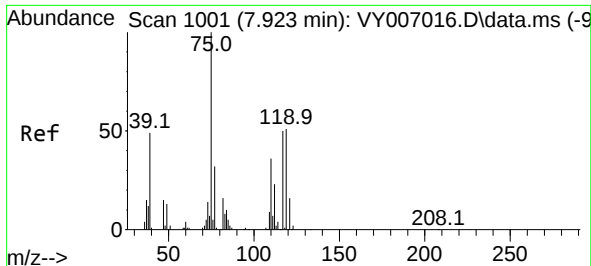
Tgt Ion:114 Resp: 249143
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.6
88 15.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.518 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

Tgt Ion:113 Resp: 81097
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 18.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.172 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007019.D

Acq: 05 Jan 2022 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

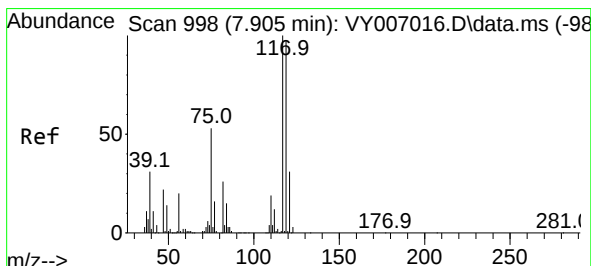
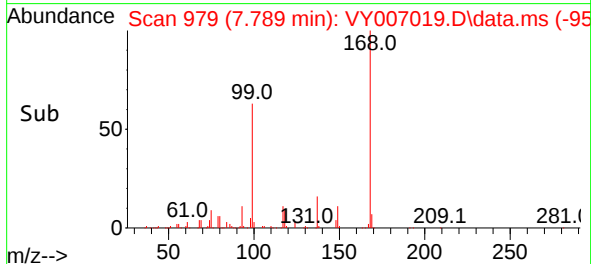
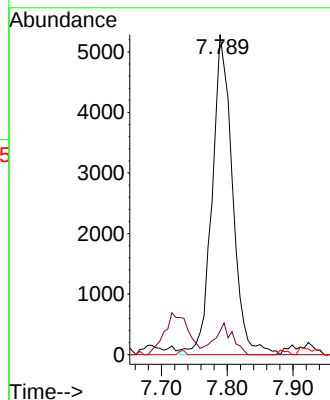
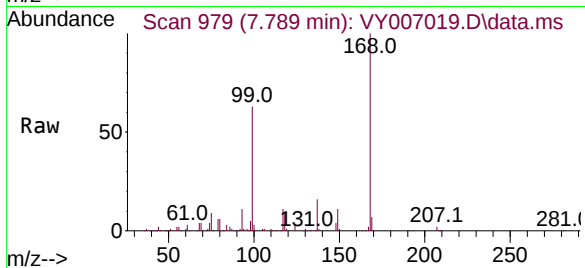
Tgt Ion: 75 Resp: 11388

Ion Ratio Lower Upper

75 100

110 8.9 18.0 54.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.128 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY007019.D

Acq: 05 Jan 2022 14:44

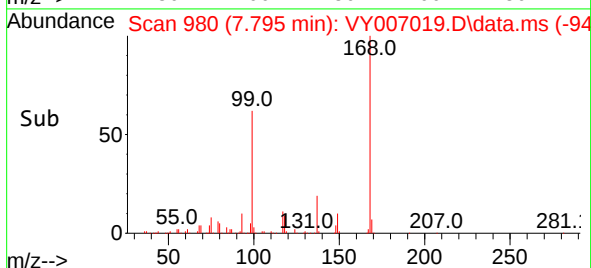
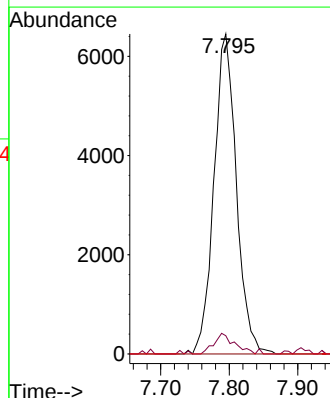
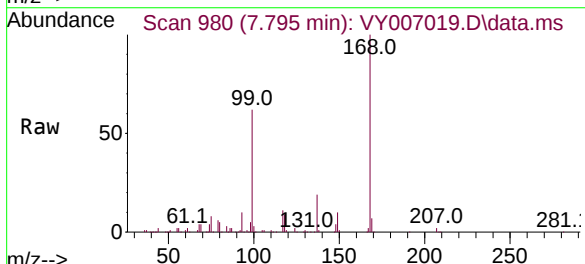
Tgt Ion: 117 Resp: 14641

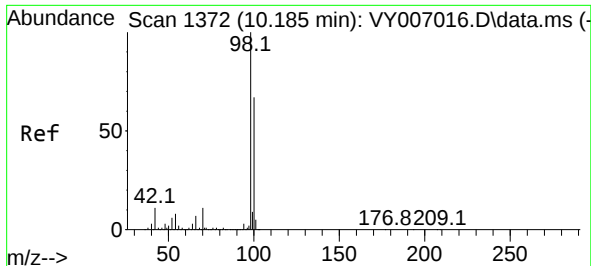
Ion Ratio Lower Upper

117 100

119 5.7 77.7 116.5#

121 0.0 24.4 36.6#

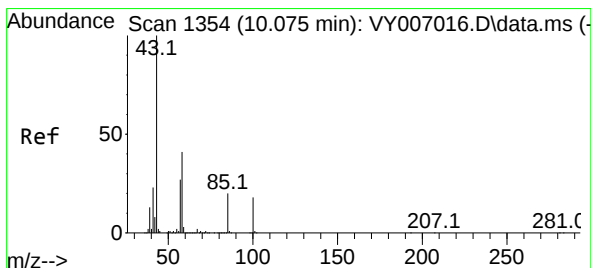
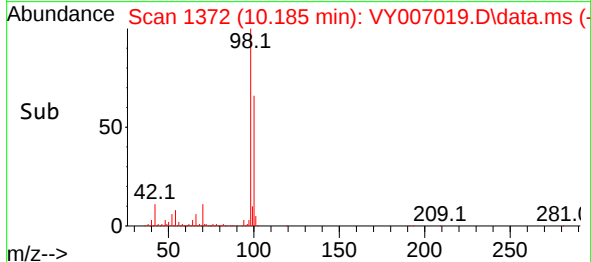
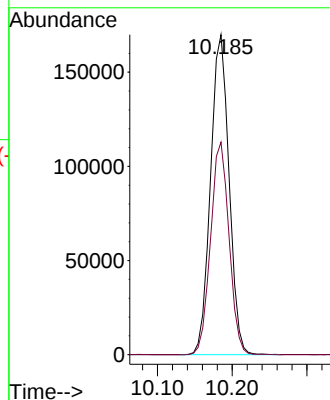
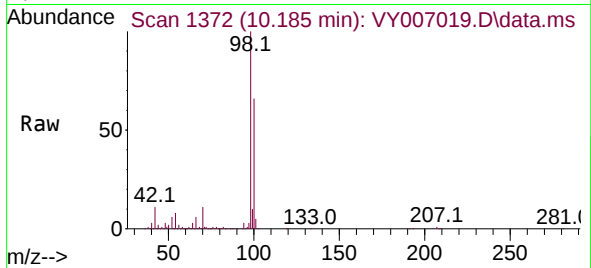




#50
Toluene-d8
Concen: 47.949 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

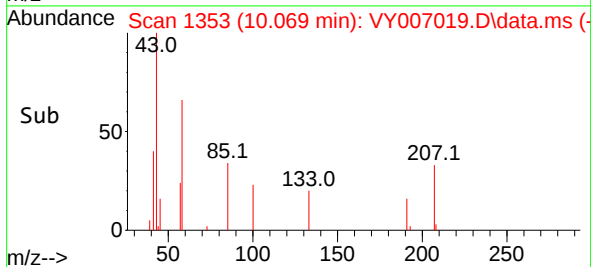
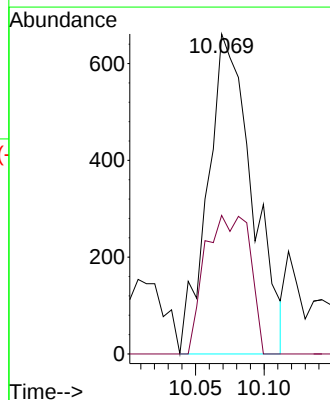
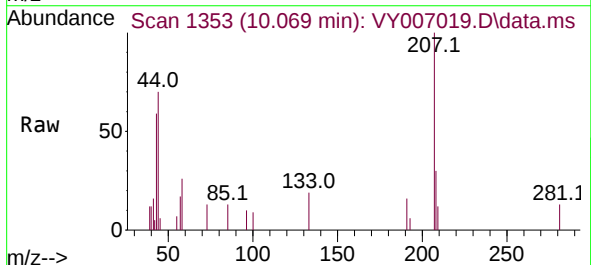
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

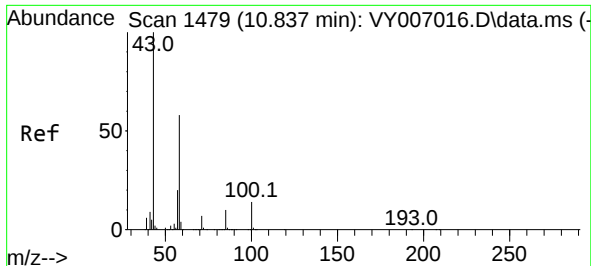
Tgt Ion: 98 Resp: 291763
Ion Ratio Lower Upper
98 100
100 66.3 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.116 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

Tgt Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
58 43.8 32.7 49.1





#59

2-Hexanone

Concen: 1.120 ug/l

RT: 10.831 min Scan# 1479

Delta R.T. -0.006 min

Lab File: VY007019.D

Acq: 05 Jan 2022 14:44

Instrument :

MSVOA_Y

ClientSampleId :

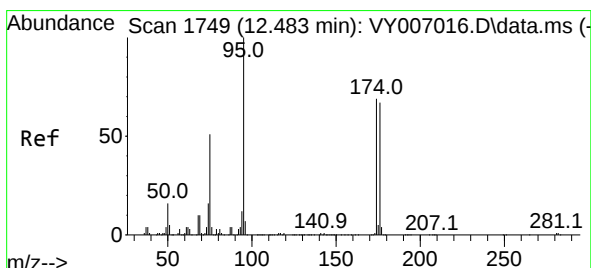
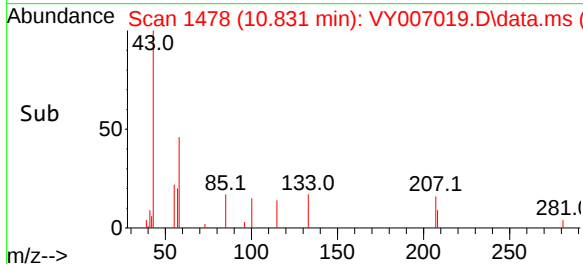
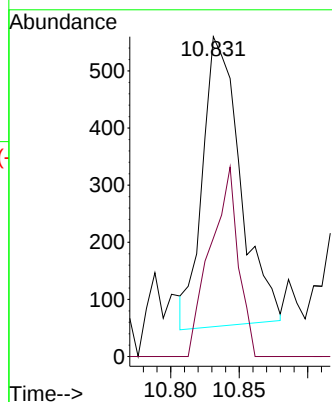
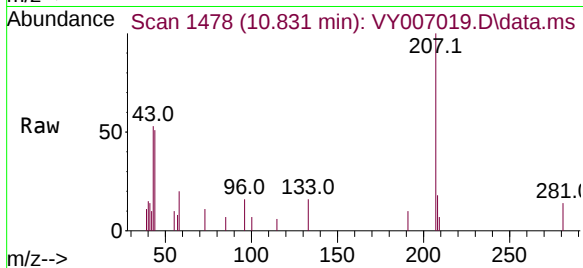
VIBLK

Tgt Ion: 43 Resp: 970

Ion Ratio Lower Upper

43 100

58 48.4 28.6 85.8



#62

4-Bromofluorobenzene

Concen: 50.666 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY007019.D

Acq: 05 Jan 2022 14:44

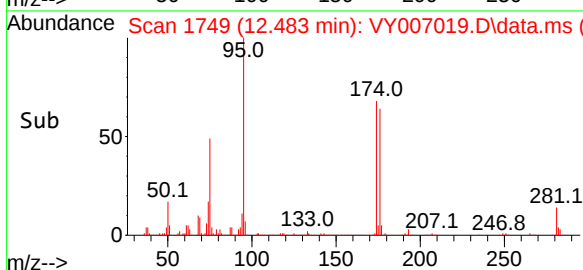
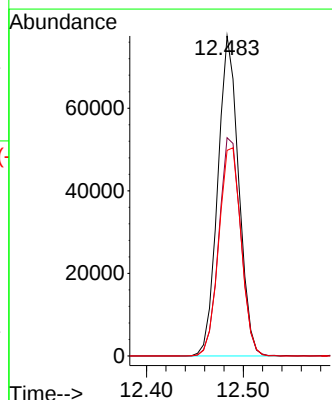
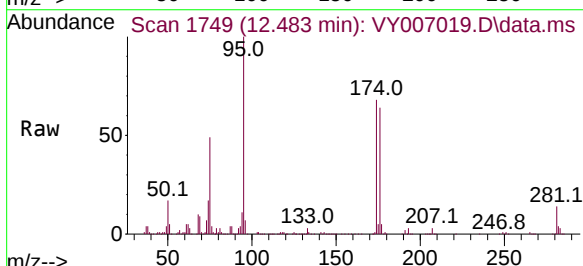
Tgt Ion: 95 Resp: 116107

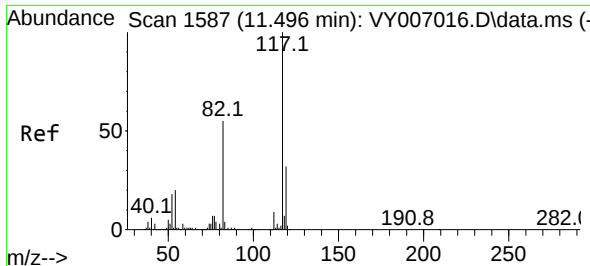
Ion Ratio Lower Upper

95 100

174 71.4 0.0 144.6

176 69.5 0.0 141.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007019.D

Acq: 05 Jan 2022 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

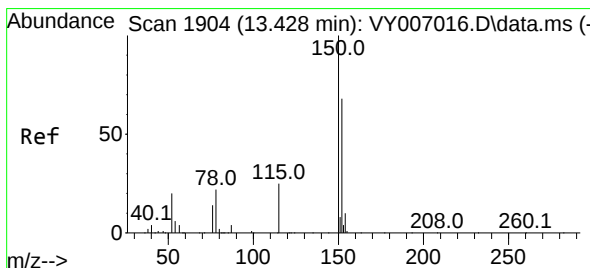
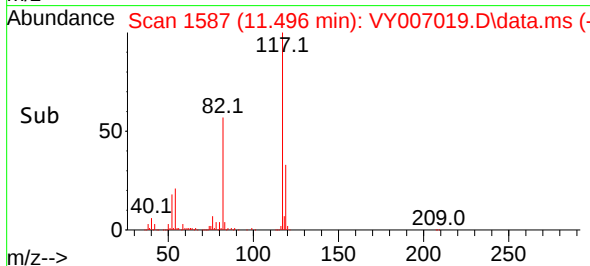
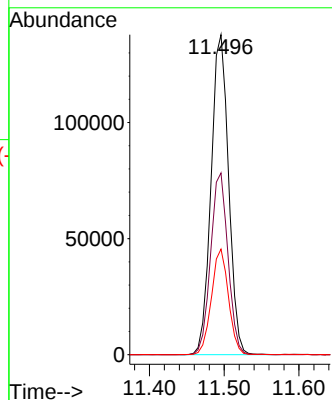
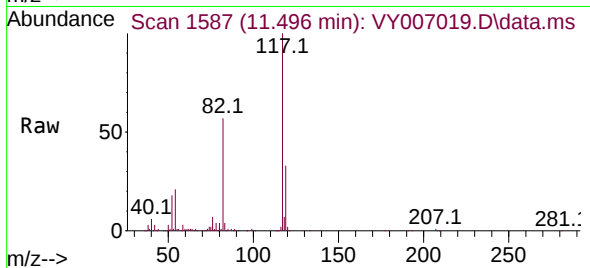
Tgt Ion:117 Resp: 224060

Ion Ratio Lower Upper

117 100

82 56.8 44.1 66.1

119 32.9 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007019.D

Acq: 05 Jan 2022 14:44

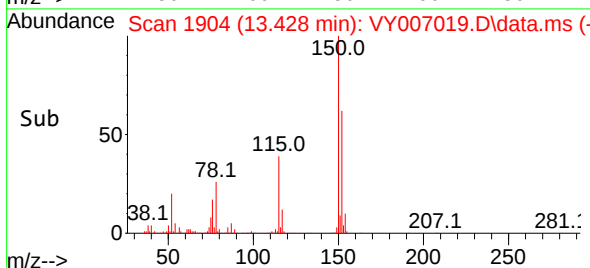
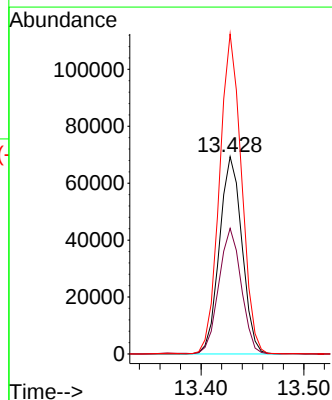
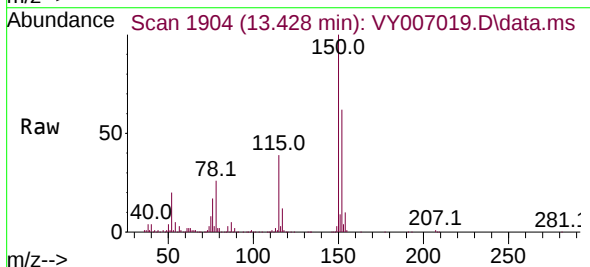
Tgt Ion:152 Resp: 105462

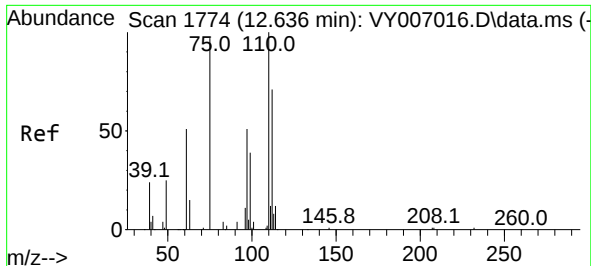
Ion Ratio Lower Upper

152 100

115 62.9 31.9 95.5

150 158.0 0.0 358.0

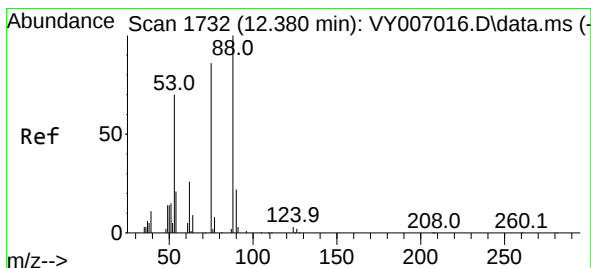
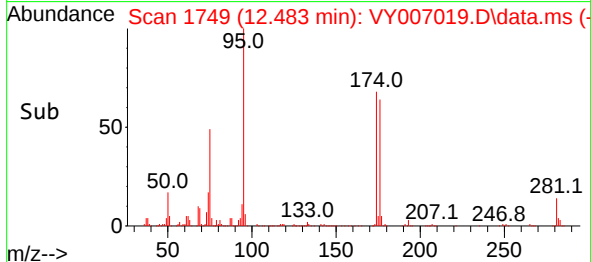
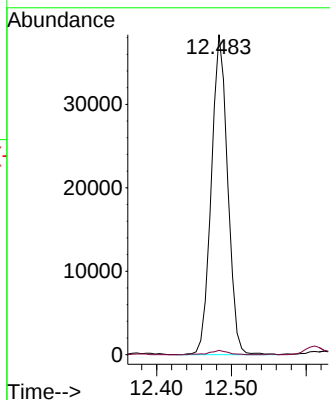
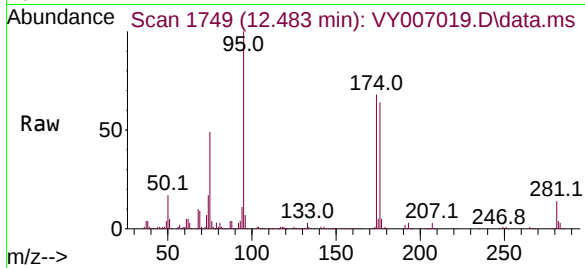




#76
1,2,3-Trichloropropane
Concen: 44.040 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

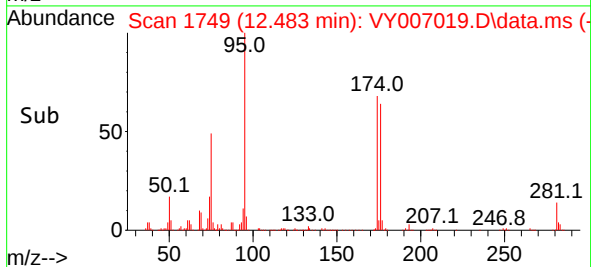
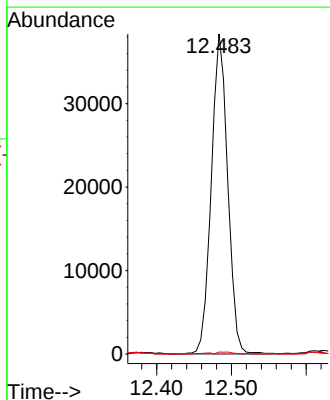
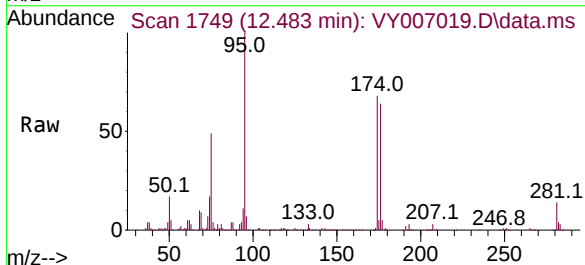
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

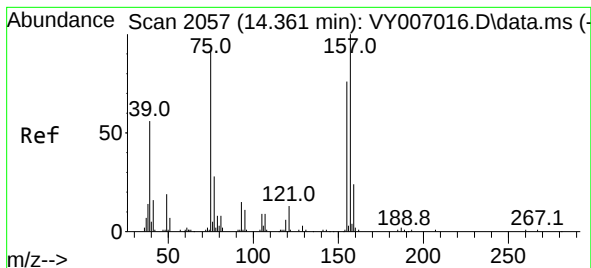
Tgt Ion: 75 Resp: 58503
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.436 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

Tgt Ion: 75 Resp: 58503
Ion Ratio Lower Upper
75 100
53 0.0 72.2 108.4#
89 0.8 0.0 0.0#

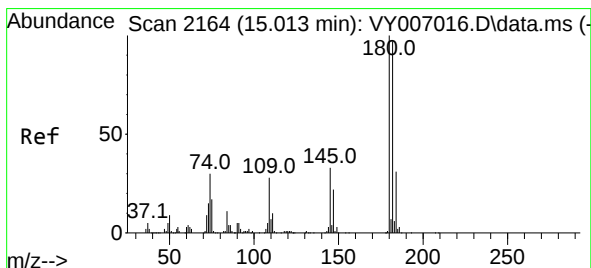
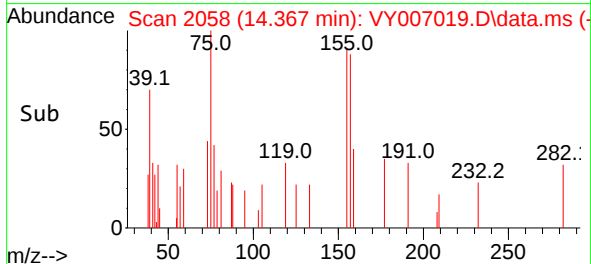
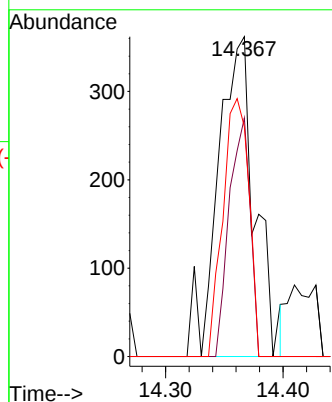
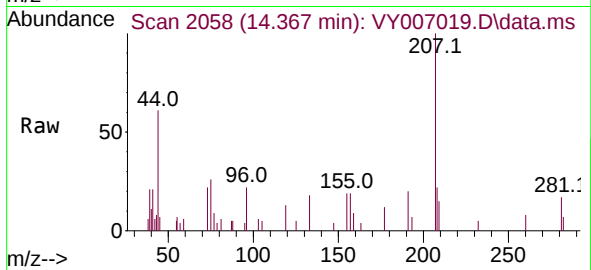




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.371 ug/l
 RT: 14.367 min Scan# 2057
 Delta R.T. 0.006 min
 Lab File: VY007019.D
 Acq: 05 Jan 2022 14:44

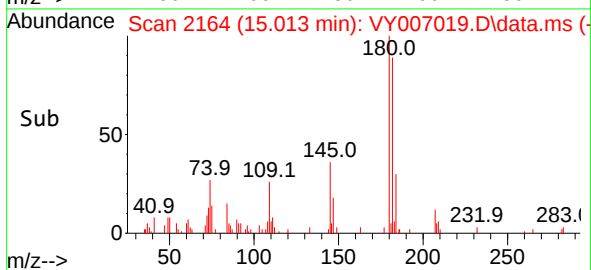
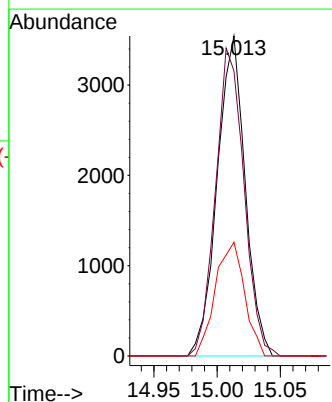
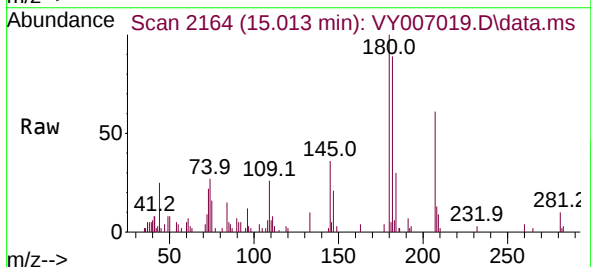
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

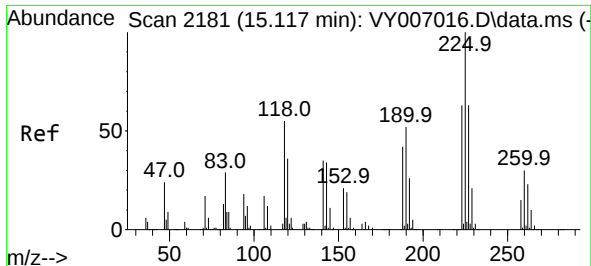
Tgt Ion: 75 Resp: 794
 Ion Ratio Lower Upper
 75 100
 155 42.1 41.8 125.3
 157 56.4 52.9 158.8



#93
 1,2,4-Trichlorobenzene
 Concen: 2.559 ug/l
 RT: 15.013 min Scan# 2164
 Delta R.T. 0.000 min
 Lab File: VY007019.D
 Acq: 05 Jan 2022 14:44

Tgt Ion: 180 Resp: 5440
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.1 141.3
 145 37.0 17.0 51.0

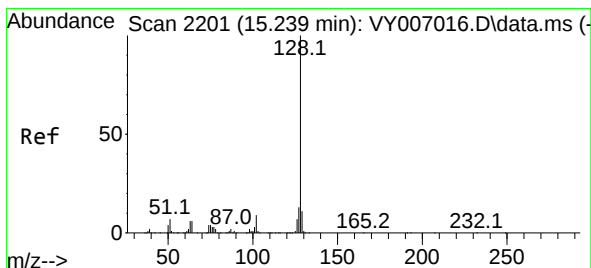
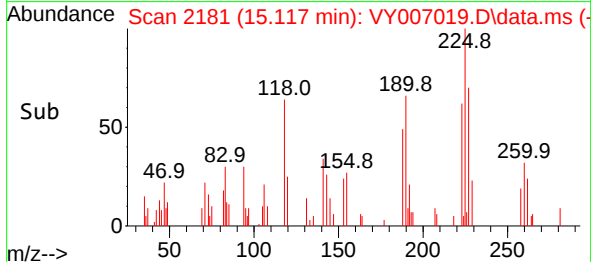
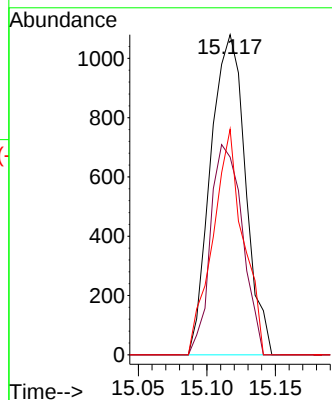
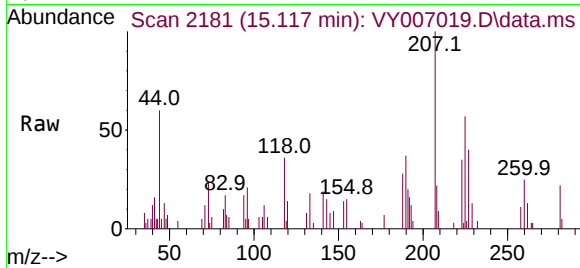




#94
Hexachlorobutadiene
Concen: 1.714 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

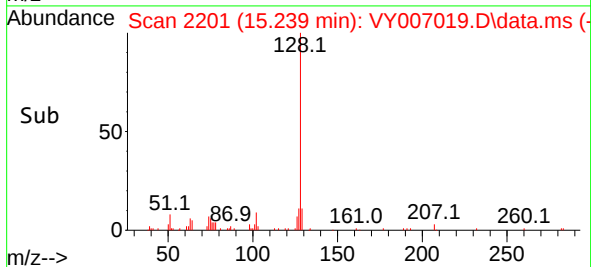
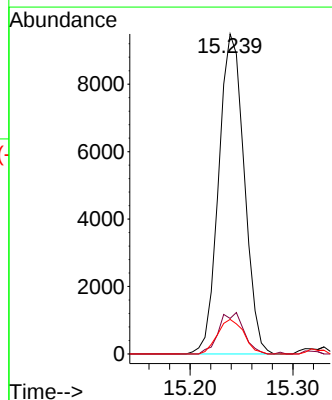
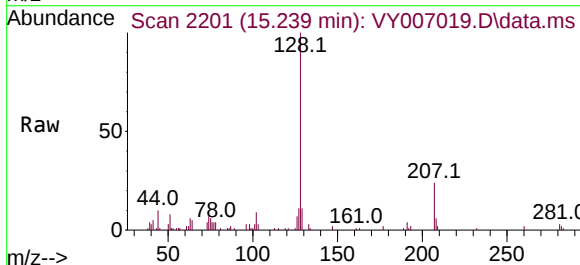
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

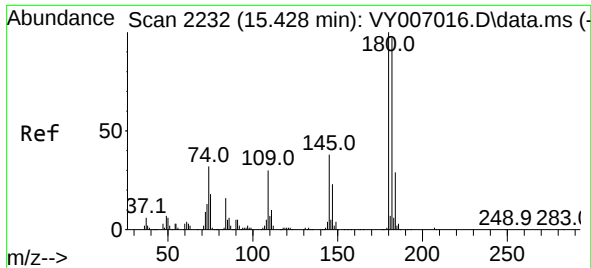
Tgt Ion:225 Resp: 1909
Ion Ratio Lower Upper
225 100
223 60.3 31.6 95.0
227 61.4 31.6 94.8



#95
Naphthalene
Concen: 3.444 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY007019.D
Acq: 05 Jan 2022 14:44

Tgt Ion:128 Resp: 16354
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.1 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 3.038 ug/l

RT: 15.428 min Scan# 21

Delta R.T. 0.000 min

Lab File: VY007019.D

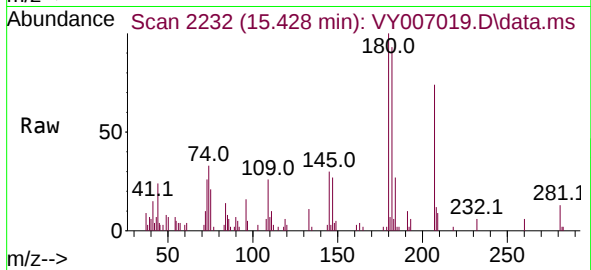
Acq: 05 Jan 2022 14:44

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:180 Resp: 5574

Ion Ratio Lower Upper

180 100

182 95.4 46.9 140.7

145 36.3 18.0 54.0

