

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021122\
 Data File : VY007480.D
 Acq On : 11 Feb 2022 15:28
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 02:54:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

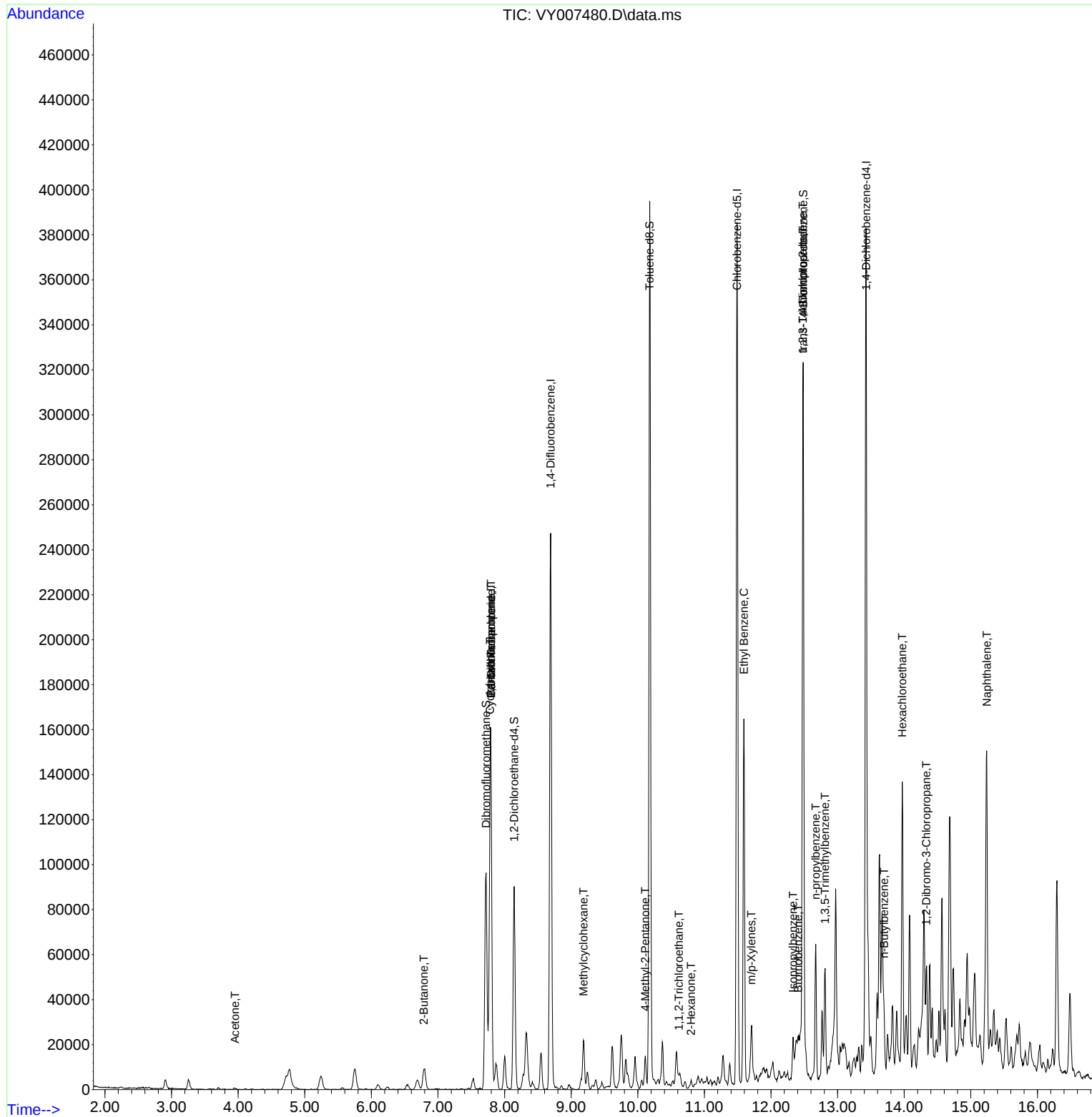
Internal Standards						
1) Pentafluorobenzene	7.795	168	113248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	207139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	200410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	89415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	69496	53.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.700%	
35) Dibromofluoromethane	7.722	113	67250	50.560	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.120%	
50) Toluene-d8	10.179	98	249613	50.795	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.580%	
62) 4-Bromofluorobenzene	12.483	95	94044	56.305	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.600%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	245	Below Cal	#	82
11) Tert butyl alcohol	4.924	59	48	Below Cal	#	77
16) Acetone	3.954	43	883	2.087	ug/l #	83
20) Methylene Chloride	4.710	84	2072	Below Cal	#	73
25) 2-Butanone	6.789	43	795	1.555	ug/l #	54
31) Cyclohexane	7.783	56	7062	2.778	ug/l #	68
36) 1,1-Dichloropropene	7.795	75	9383	4.035	ug/l #	52
38) Carbon Tetrachloride	7.795	117	12404	5.077	ug/l #	15
39) Methylcyclohexane	9.185	83	6147	2.105	ug/l #	80
51) 4-Methyl-2-Pentanone	10.112	43	2017	1.840	ug/l #	80
55) 1,1,2-Trichloroethane	10.618	97	1514	1.275	ug/l #	25
59) 2-Hexanone	10.801	43	1394	1.744	ug/l #	28
67) Ethyl Benzene	11.593	91	110000	13.002	ug/l	97
68) m/p-Xylenes	11.703	106	4435	1.415	ug/l	98
73) Isopropylbenzene	12.331	105	9080	1.111	ug/l	98
76) 1,2,3-Trichloropropane	12.477	75	52175	49.084	ug/l #	100
77) Bromobenzene	12.404	156	10448	6.070	ug/l #	1
78) n-propylbenzene	12.672	91	44124	4.458	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	19057	2.859	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	52175	98.335	ug/l #	7
89) n-Butylbenzene	13.696	91	19099	2.798	ug/l #	72
90) Hexachloroethane	13.971	117	6028	4.498	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.330	75	262	1.080	ug/l #	11
95) Naphthalene	15.239	128	107576	29.756	ug/l	99

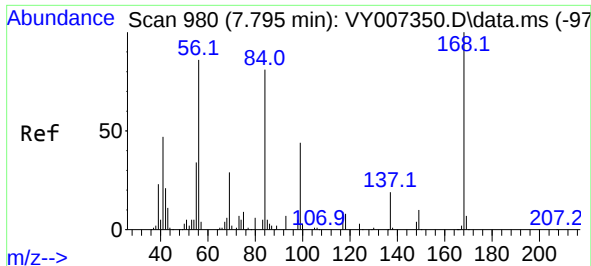
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

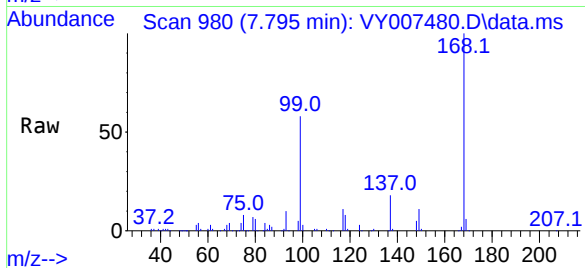
Quant Time: Feb 12 02:54:36 2022
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QLast Update : Thu Feb 03 04:36:48 2022
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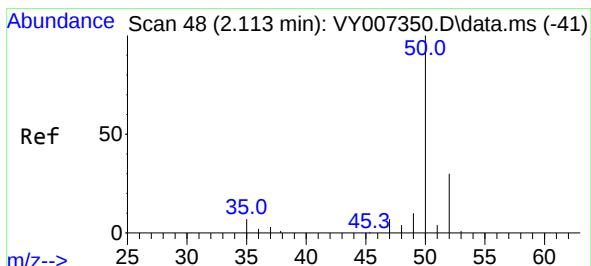
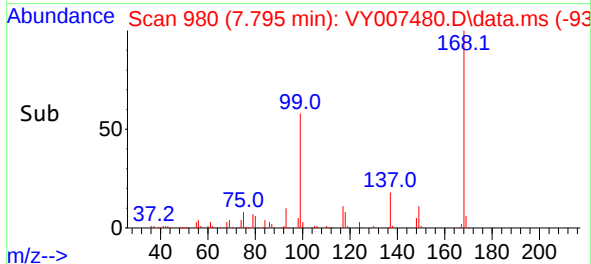
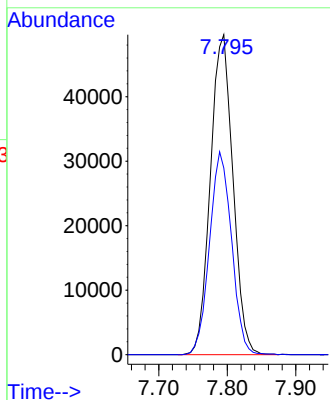


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Instrument :
MSVOA_Y
ClientSampleId :

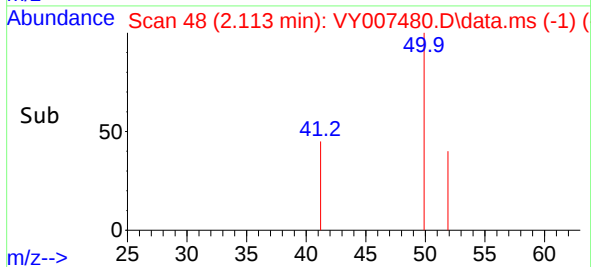
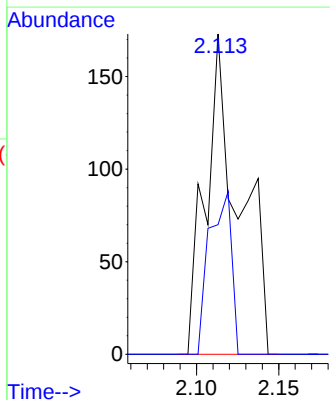
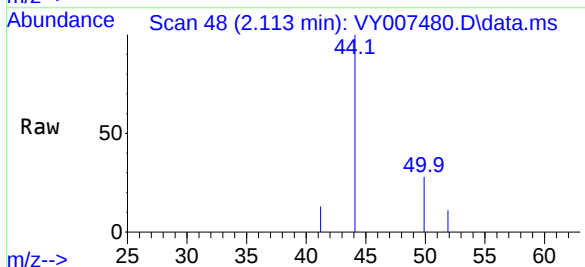


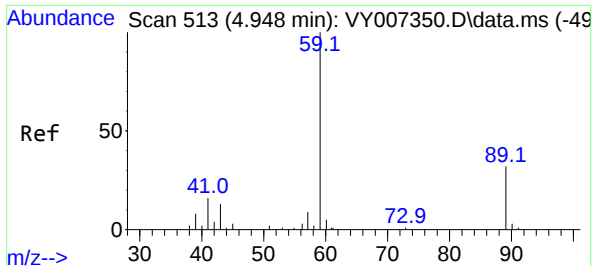
Tgt Ion:168 Resp: 113248
Ion Ratio Lower Upper
168 100
99 58.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion: 50 Resp: 245
Ion Ratio Lower Upper
50 100
52 40.5 24.6 37.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY007480.D

Acq: 11 Feb 2022 15:28

Instrument :

MSVOA_Y

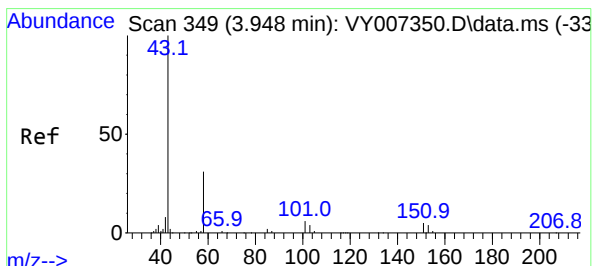
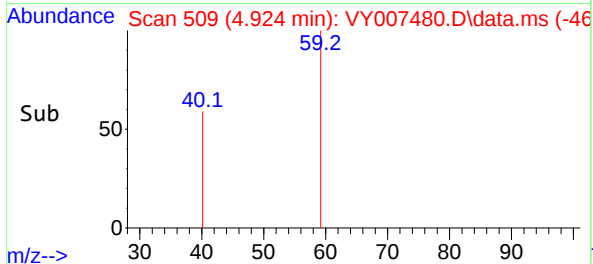
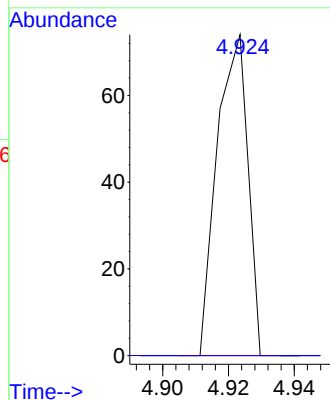
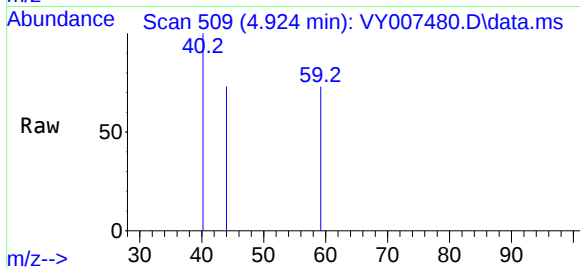
ClientSampleId :

Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.087 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY007480.D

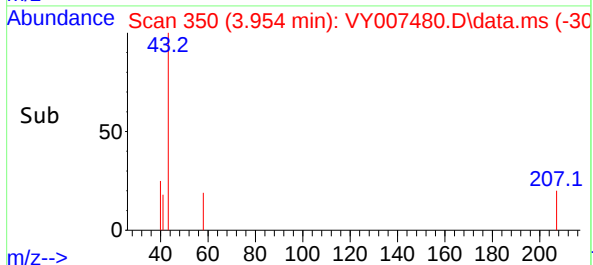
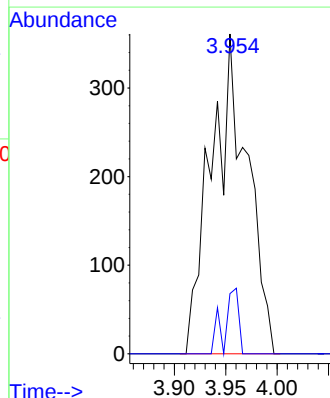
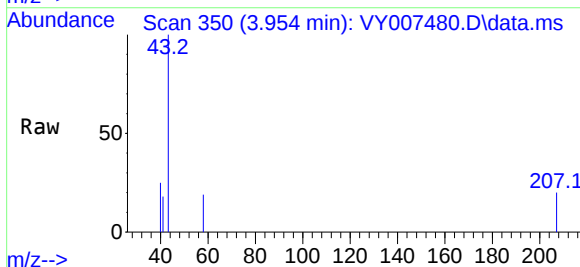
Acq: 11 Feb 2022 15:28

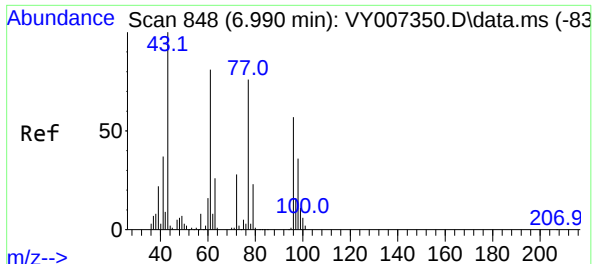
Tgt Ion: 43 Resp: 883

Ion Ratio Lower Upper

43 100

58 18.8 22.0 33.0#





#25

2-Butanone

Concen: 1.555 ug/l

RT: 6.789 min Scan# 81

Delta R.T. -0.201 min

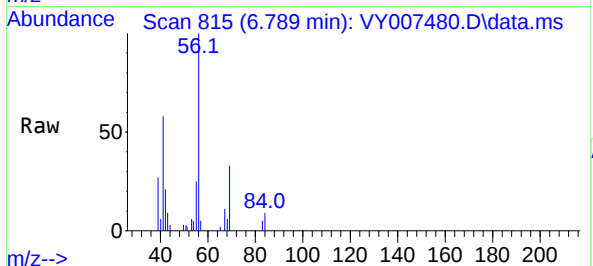
Lab File: VY007480.D

Acq: 11 Feb 2022 15:28

Instrument :

MSVOA_Y

ClientSampleId :

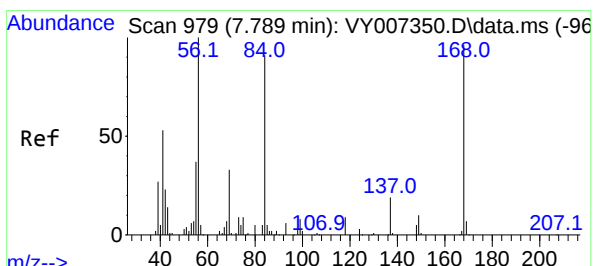
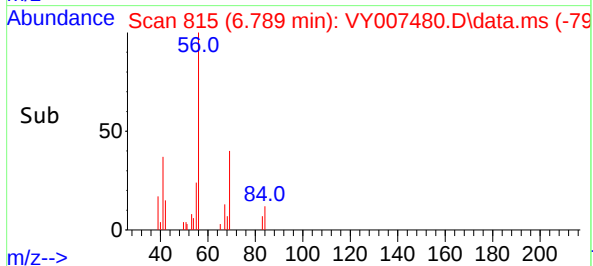
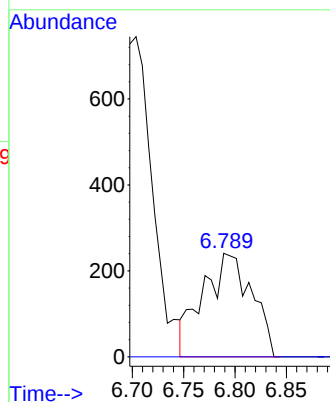


Tgt Ion: 43 Resp: 795

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 2.778 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY007480.D

Acq: 11 Feb 2022 15:28

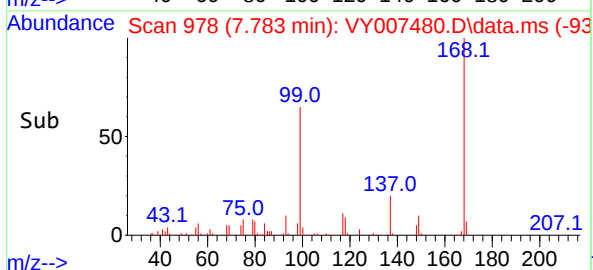
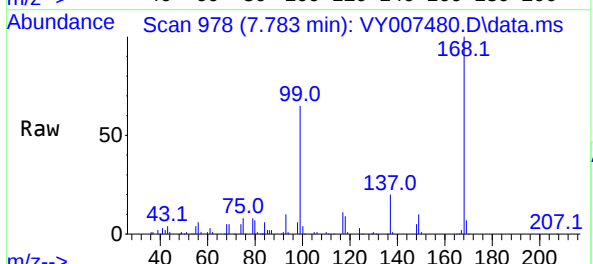
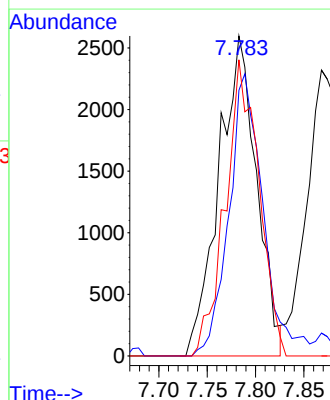
Tgt Ion: 56 Resp: 7062

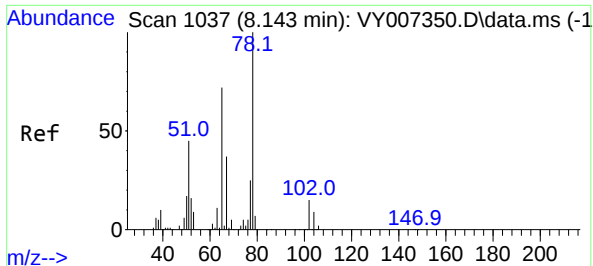
Ion Ratio Lower Upper

56 100

69 83.0 26.7 40.1#

84 92.5 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 53.351 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY007480.D

Acq: 11 Feb 2022 15:28

Instrument :

MSVOA_Y

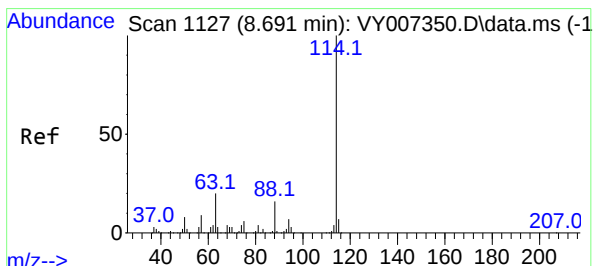
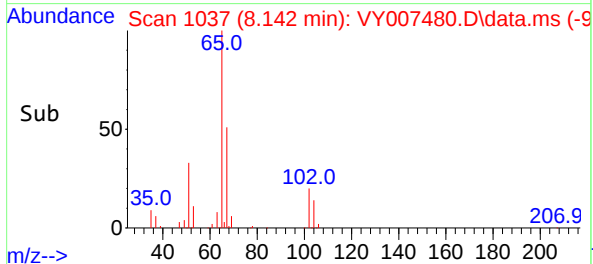
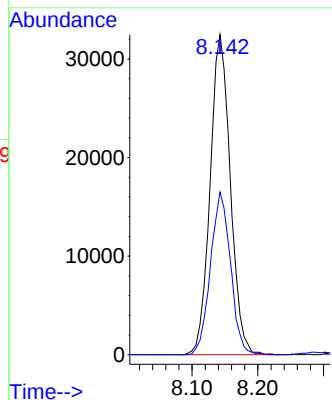
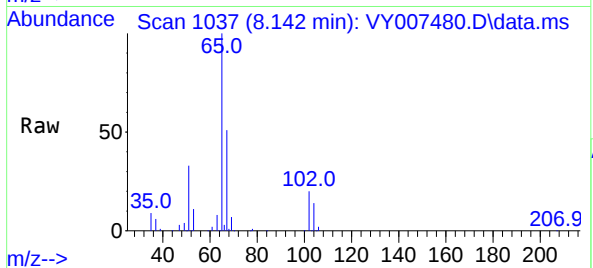
ClientSampleId :

Tgt Ion: 65 Resp: 69496

Ion Ratio Lower Upper

65 100

67 50.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007480.D

Acq: 11 Feb 2022 15:28

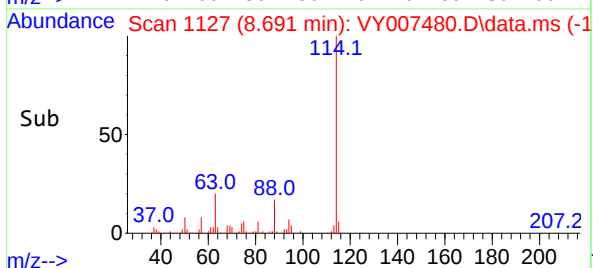
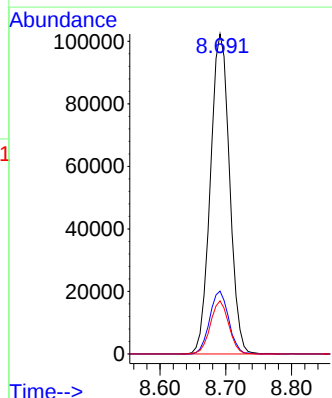
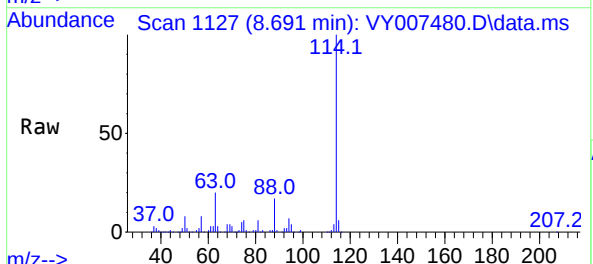
Tgt Ion: 114 Resp: 207139

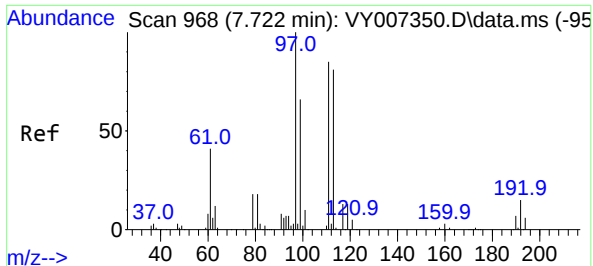
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.2

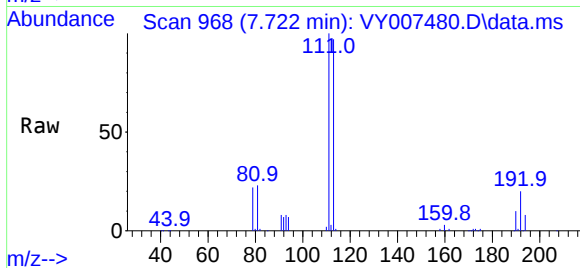
88 16.6 0.0 31.8



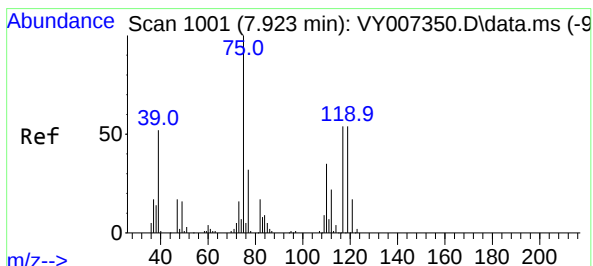
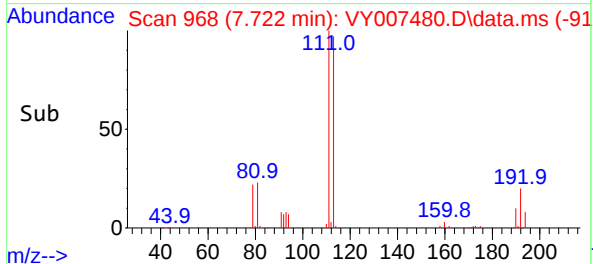
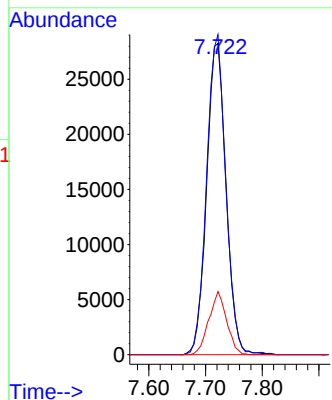


#35
Dibromofluoromethane
Concen: 50.560 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Instrument :
MSVOA_Y
ClientSampleId :

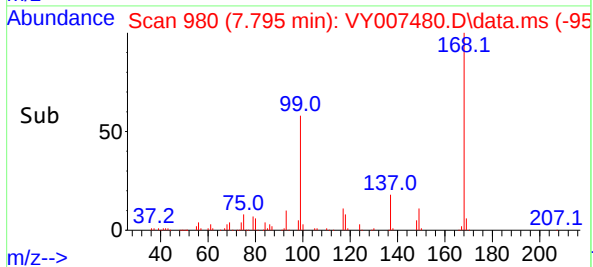
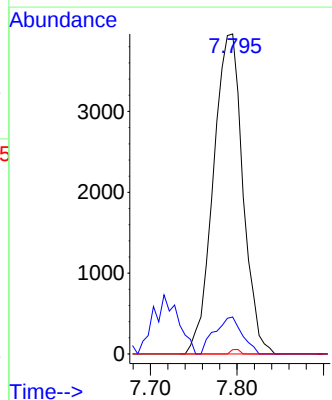
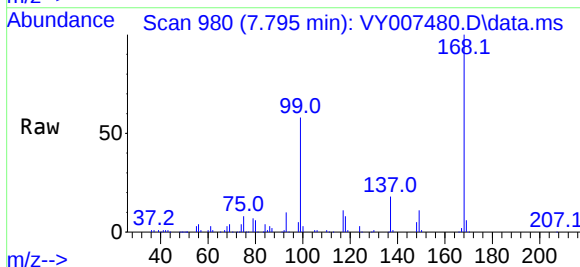


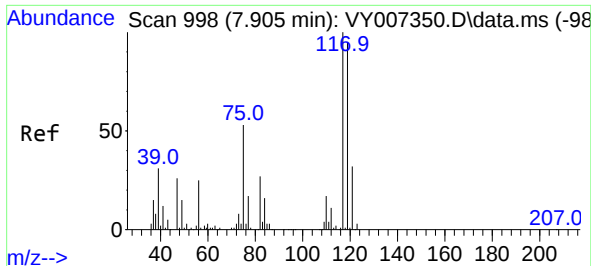
Tgt Ion:113 Resp: 67250
Ion Ratio Lower Upper
113 100
111 101.6 82.6 124.0
192 18.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.035 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

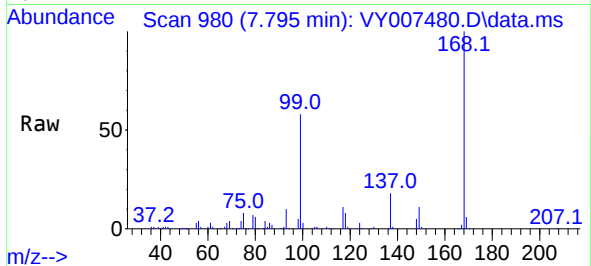
Tgt Ion: 75 Resp: 9383
Ion Ratio Lower Upper
75 100
110 10.7 17.1 51.2#
77 0.4 24.4 36.6#



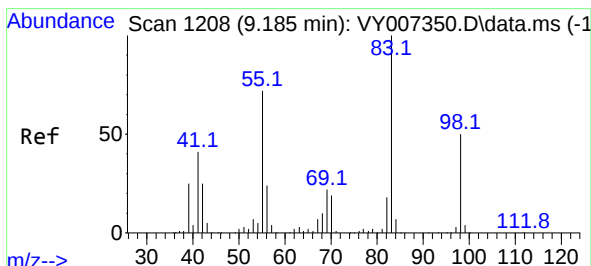
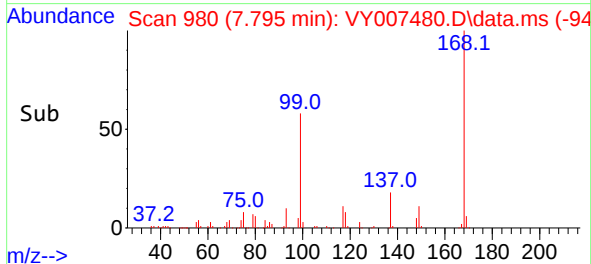
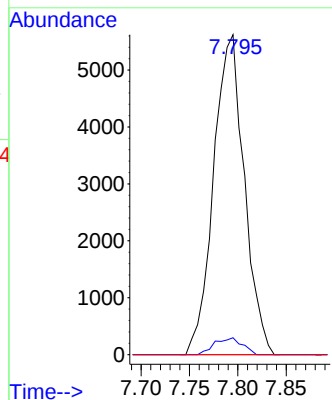


#38
Carbon Tetrachloride
Concen: 5.077 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Instrument :
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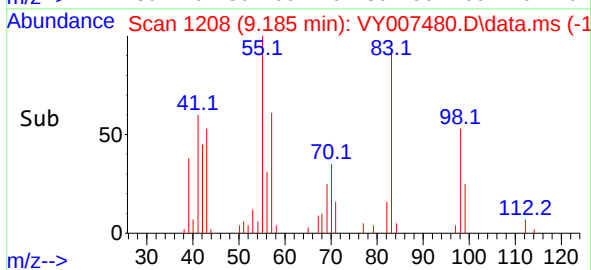
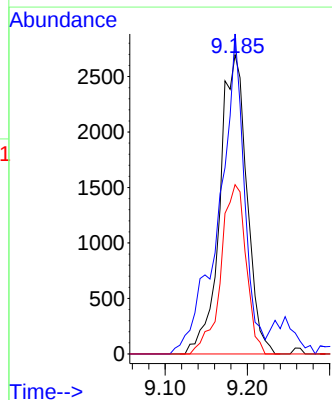
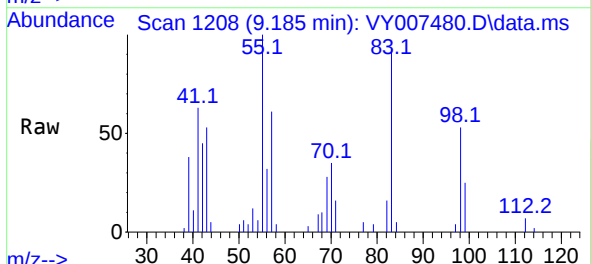


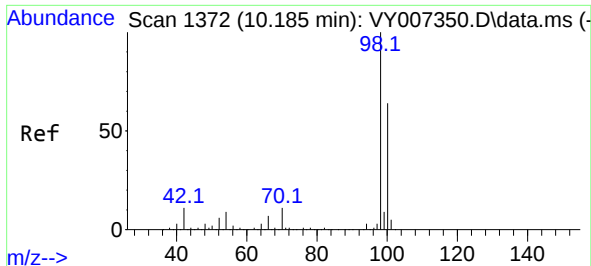
Tgt Ion:117 Resp: 12404
Ion Ratio Lower Upper
117 100
119 5.3 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 2.105 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion: 83 Resp: 6147
Ion Ratio Lower Upper
83 100
55 104.0 66.5 99.7#
98 56.6 37.9 56.9

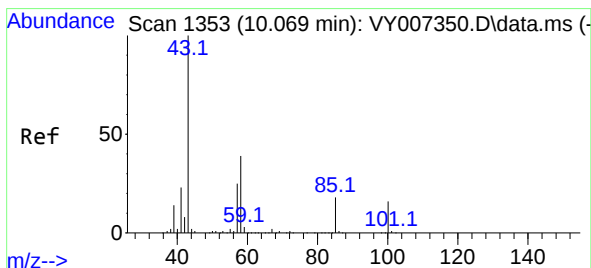
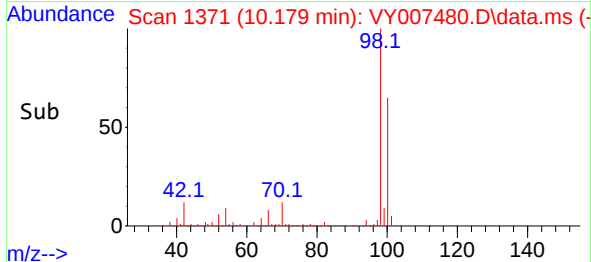
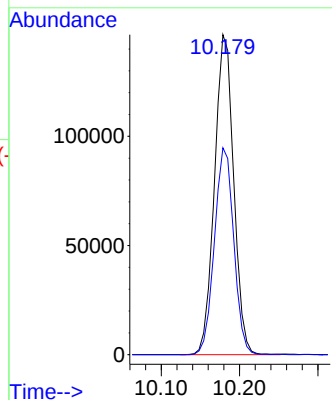
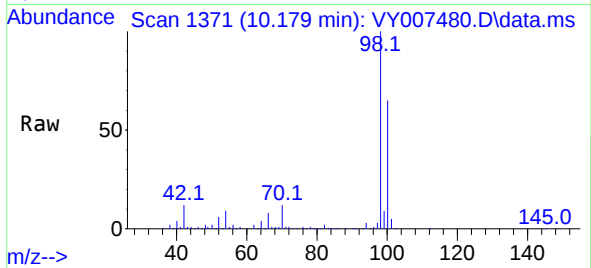




#50
Toluene-d8
Concen: 50.795 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

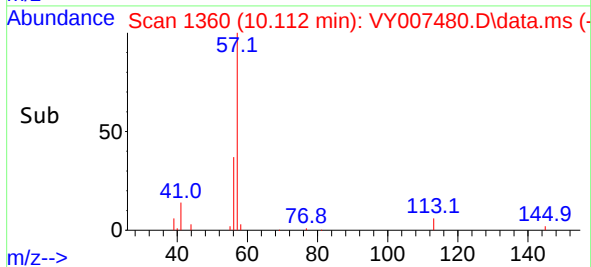
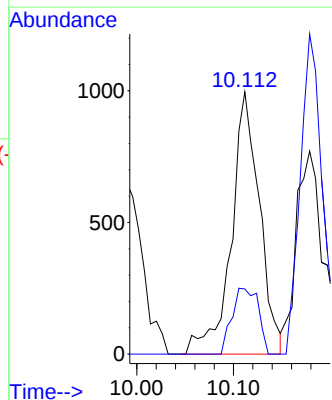
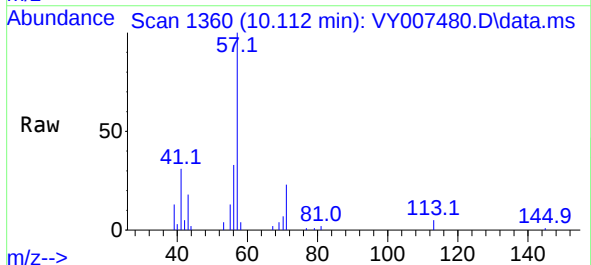
Instrument :
MSVOA_Y
ClientSampleId :

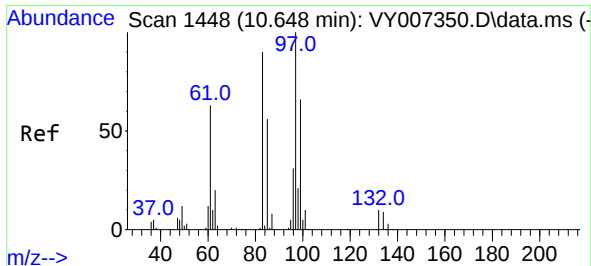
Tgt Ion: 98 Resp: 249613
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.840 ug/l
RT: 10.112 min Scan# 1360
Delta R.T. 0.043 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

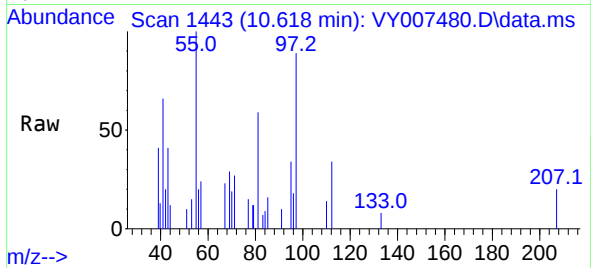
Tgt Ion: 43 Resp: 2017
Ion Ratio Lower Upper
43 100
58 23.4 28.1 42.1#





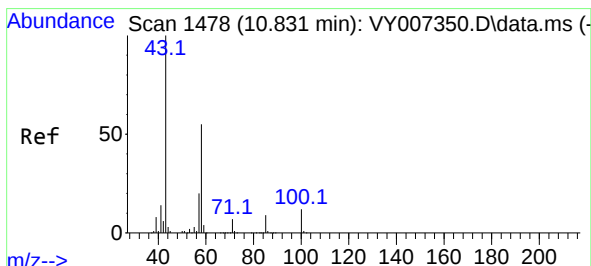
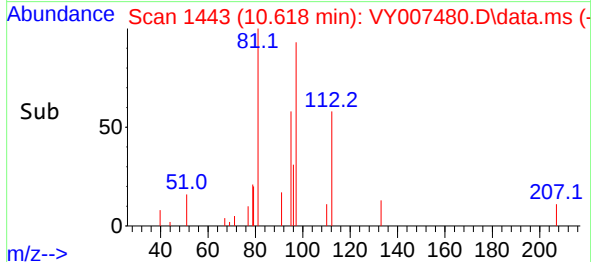
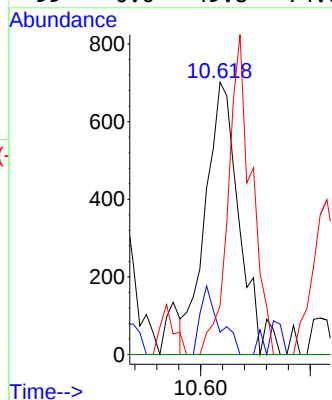
#55
1,1,2-Trichloroethane
Concen: 1.275 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 97 Resp: 1514

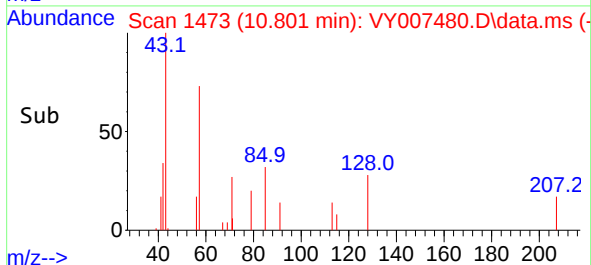
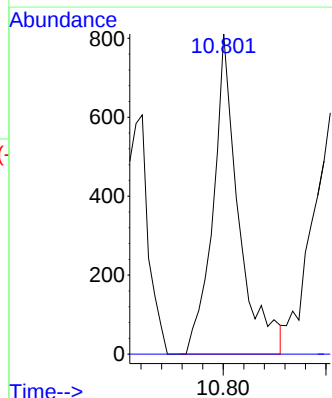
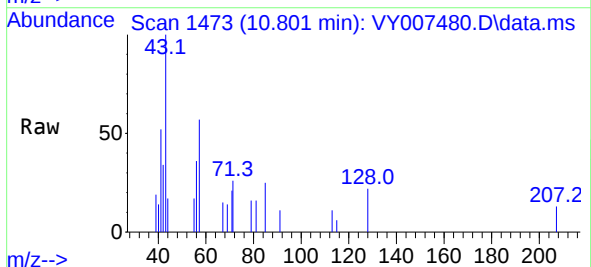
Ion	Ratio	Lower	Upper
97	100		
83	8.3	69.8	104.8#
85	18.0	44.3	66.5#
99	0.0	49.8	74.6#

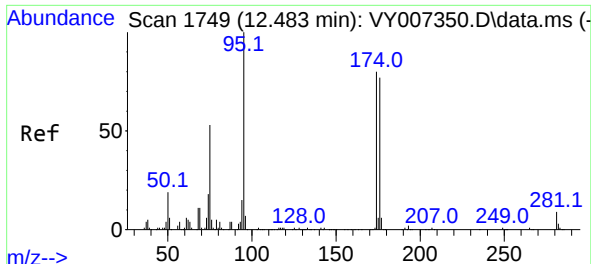


#59
2-Hexanone
Concen: 1.744 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion: 43 Resp: 1394

Ion	Ratio	Lower	Upper
43	100		
58	0.0	24.4	73.4#

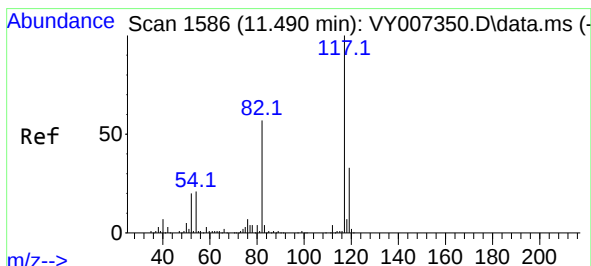
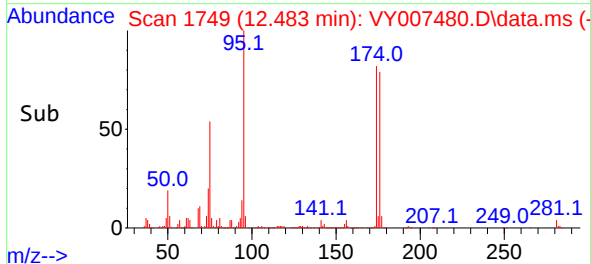
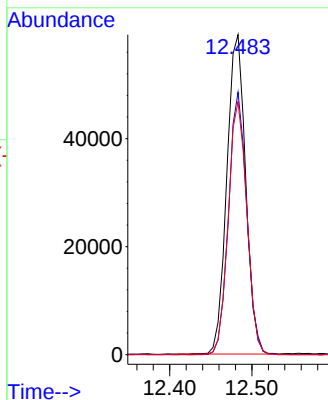
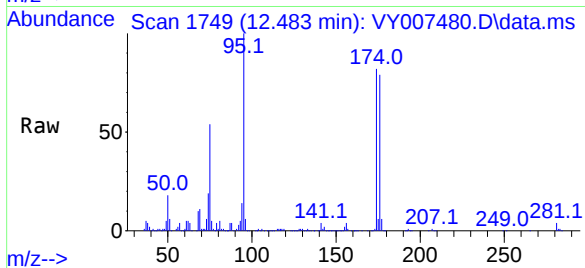




#62
4-Bromofluorobenzene
Concen: 56.305 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

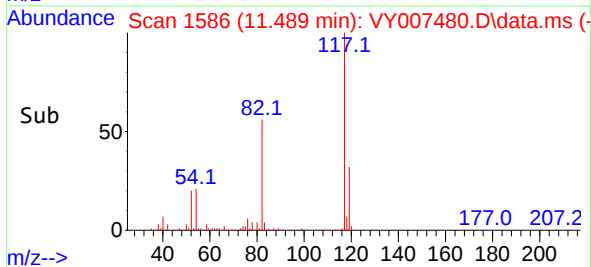
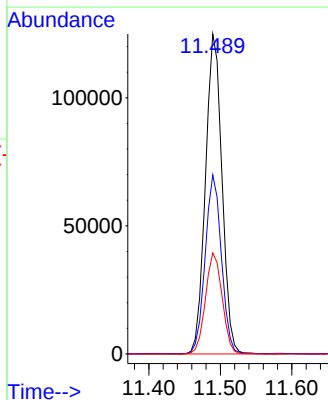
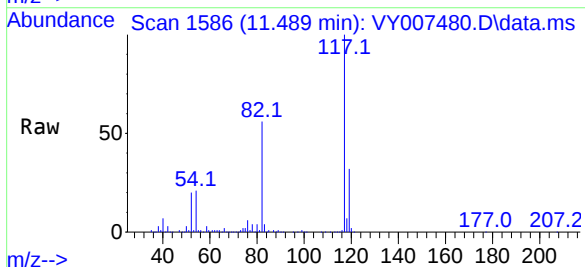
Instrument :
MSVOA_Y
ClientSampleId :

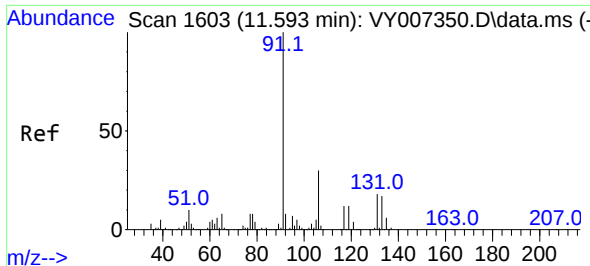
Tgt Ion: 95 Resp: 94044
Ion Ratio Lower Upper
95 100
174 79.3 0.0 177.0
176 78.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion:117 Resp: 200410
Ion Ratio Lower Upper
117 100
82 55.9 43.0 64.4
119 31.6 25.4 38.0

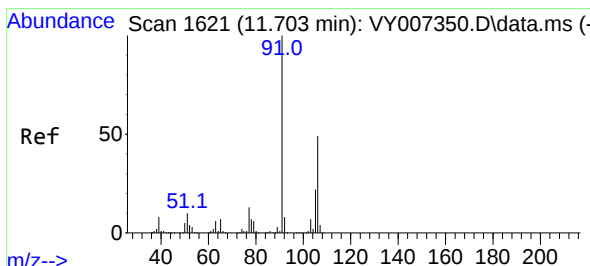
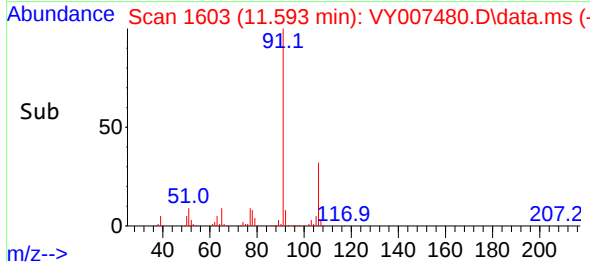
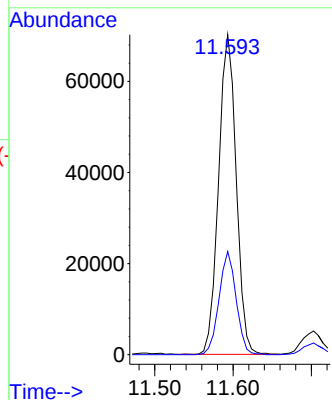
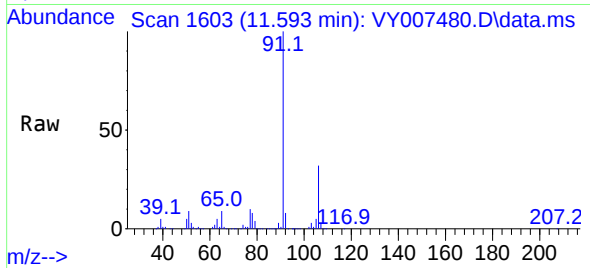




#67
Ethyl Benzene
Concen: 13.002 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

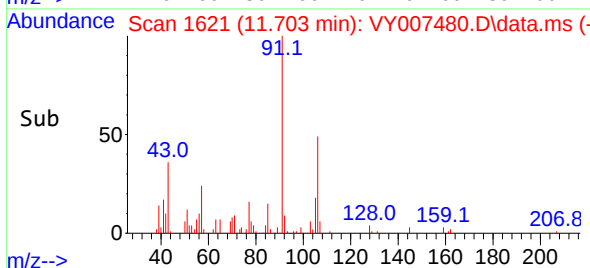
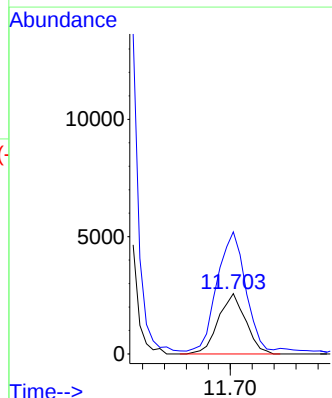
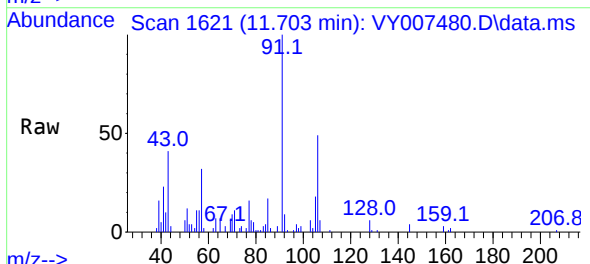
Instrument :
MSVOA_Y
ClientSampleId :

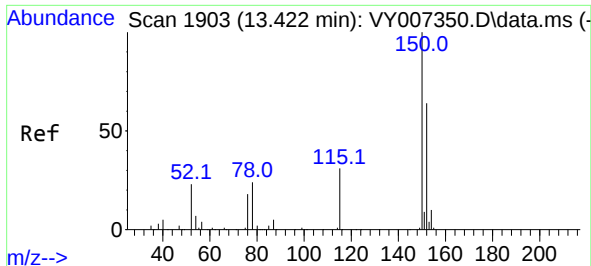
Tgt Ion: 91 Resp: 110000
Ion Ratio Lower Upper
91 100
106 32.3 24.5 36.7



#68
m/p-Xylenes
Concen: 1.415 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion:106 Resp: 4435
Ion Ratio Lower Upper
106 100
91 204.5 166.6 249.8

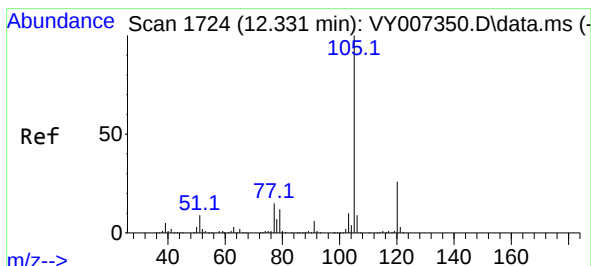
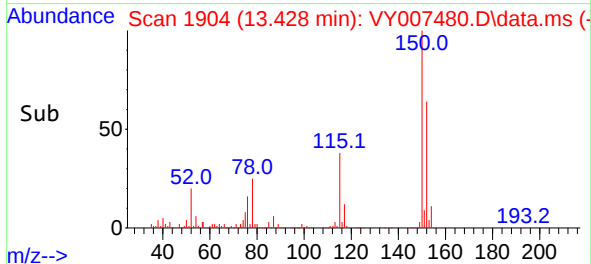
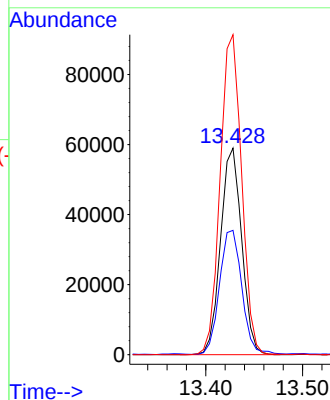
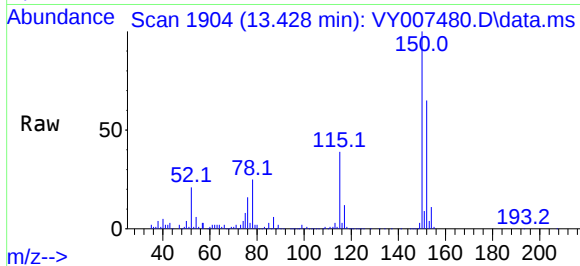




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

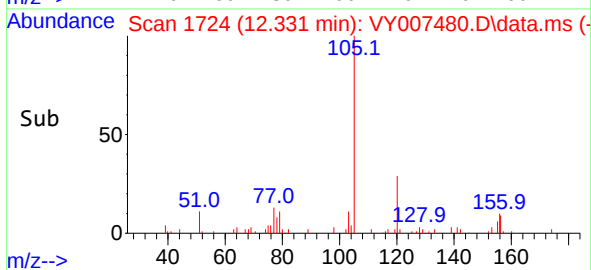
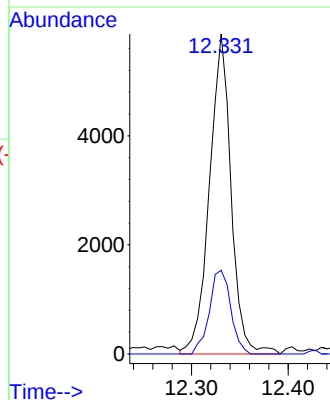
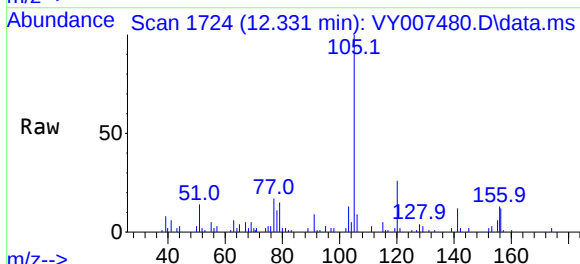
Instrument :
MSVOA_Y
ClientSampleId :

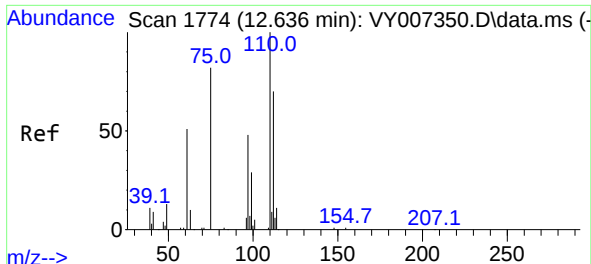
Tgt Ion:152 Resp: 89415
Ion Ratio Lower Upper
152 100
115 63.4 28.2 84.7
150 157.1 0.0 347.6



#73
Isopropylbenzene
Concen: 1.111 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion:105 Resp: 9080
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.2

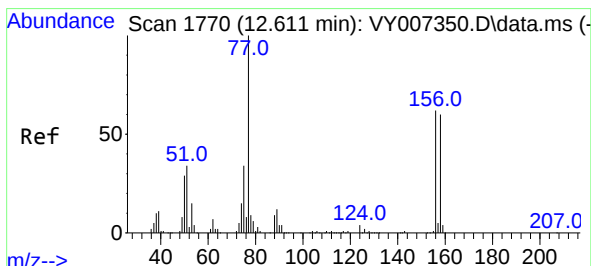
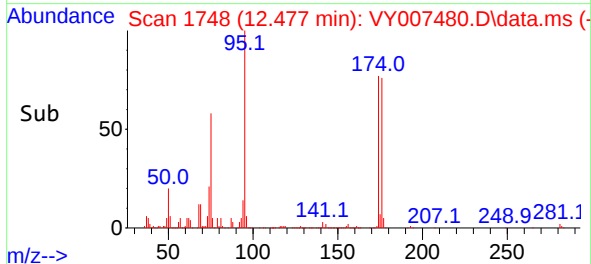
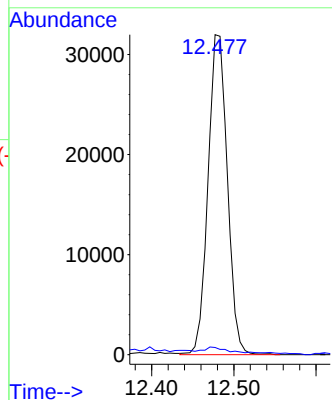
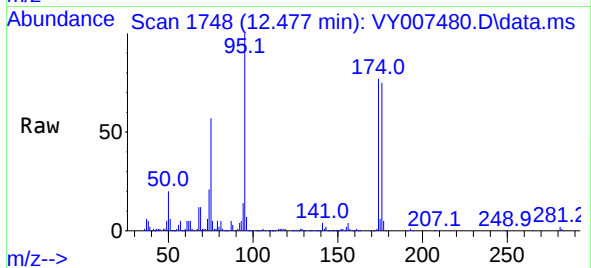




#76
1,2,3-Trichloropropane
Concen: 49.084 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.159 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

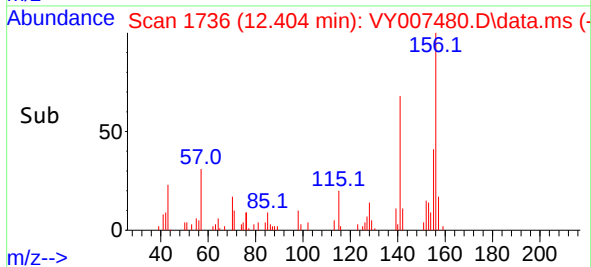
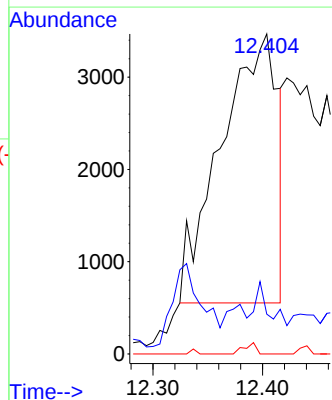
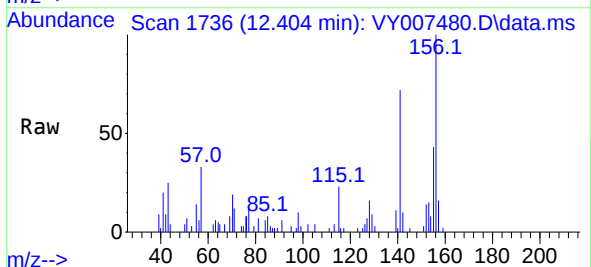
Instrument :
MSVOA_Y
ClientSampleId :

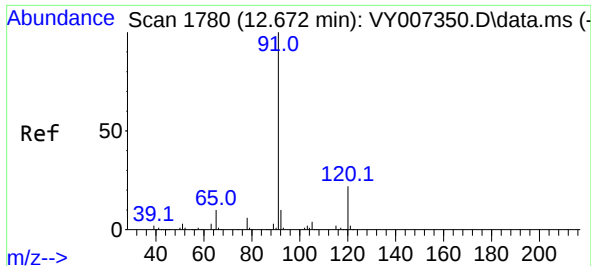
Tgt Ion: 75 Resp: 52175
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#77
Bromobenzene
Concen: 6.070 ug/l
RT: 12.404 min Scan# 1736
Delta R.T. -0.207 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion:156 Resp: 10448
Ion Ratio Lower Upper
156 100
77 3.6 95.5 286.4#
158 0.9 48.0 144.0#

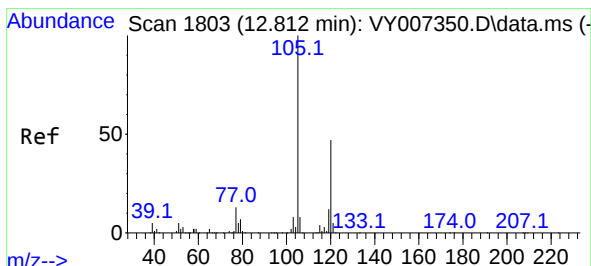
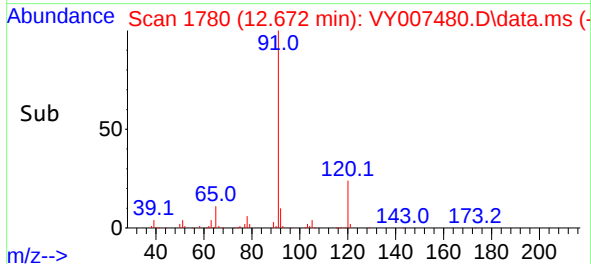
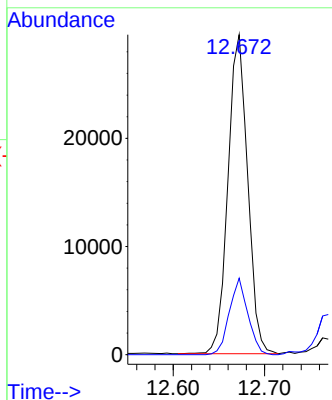
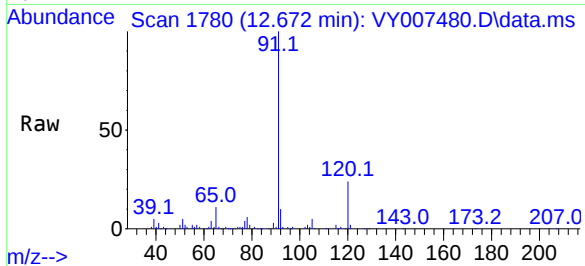




#78
n-propylbenzene
Concen: 4.458 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

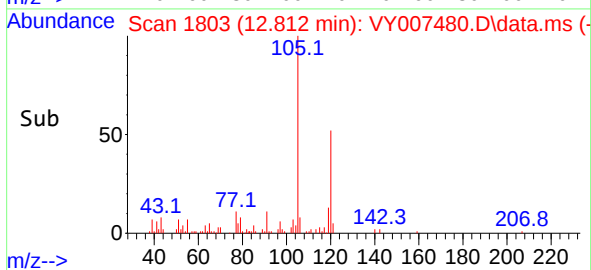
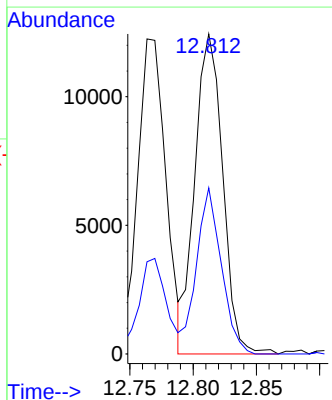
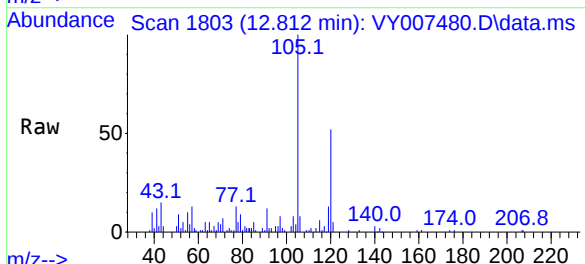
Instrument :
MSVOA_Y
ClientSampleId :

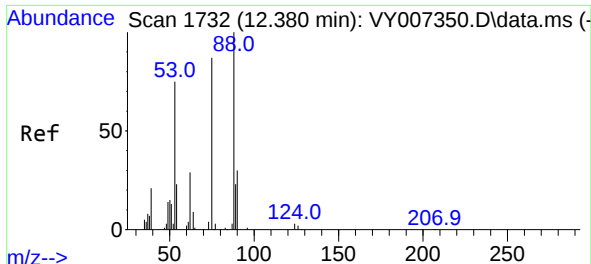
Tgt Ion: 91 Resp: 44124
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 2.859 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion: 105 Resp: 19057
Ion Ratio Lower Upper
105 100
120 46.4 24.4 73.4

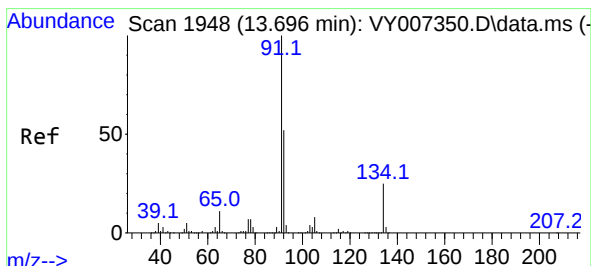
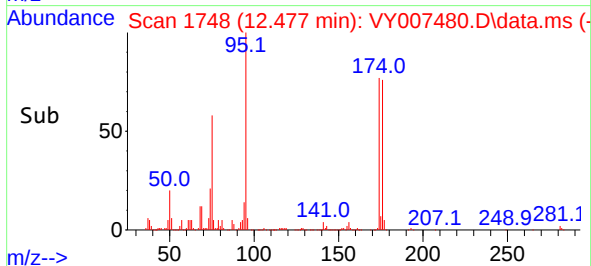
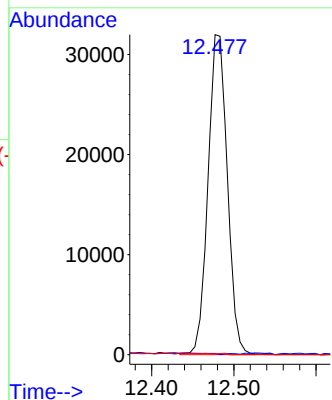
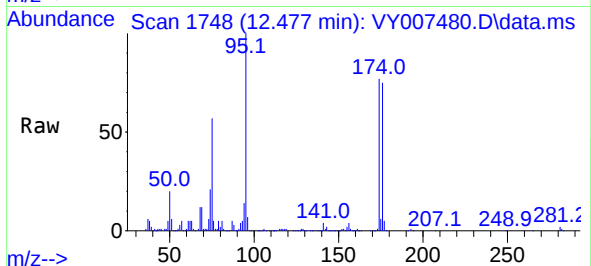




#81
trans-1,4-Dichloro-2-butene
Concen: 98.335 ug/l
RT: 12.477 min Scan# 1732
Delta R.T. 0.097 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

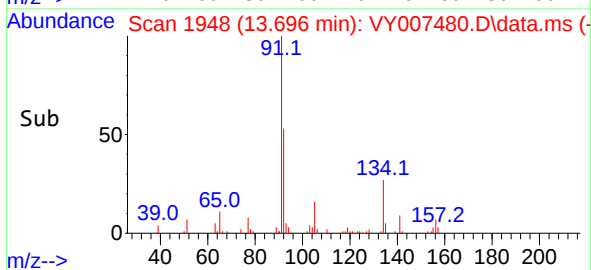
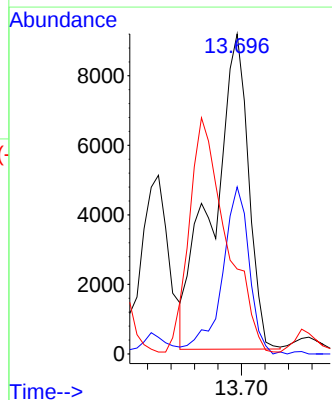
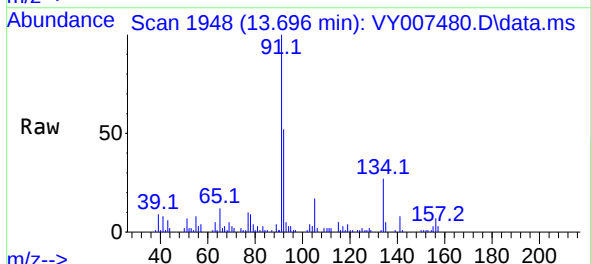
Instrument :
MSVOA_Y
ClientSampleId :

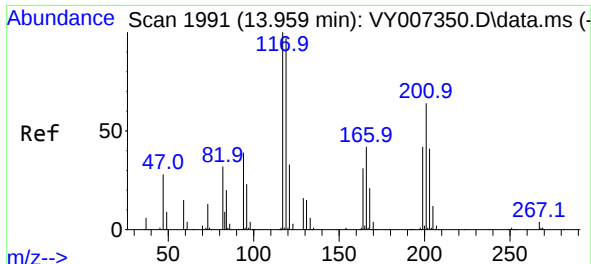
Tgt Ion: 75 Resp: 52175
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#



#89
n-Butylbenzene
Concen: 2.798 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion: 91 Resp: 19099
Ion Ratio Lower Upper
91 100
92 40.4 26.3 78.9
134 0.0 13.0 38.9#

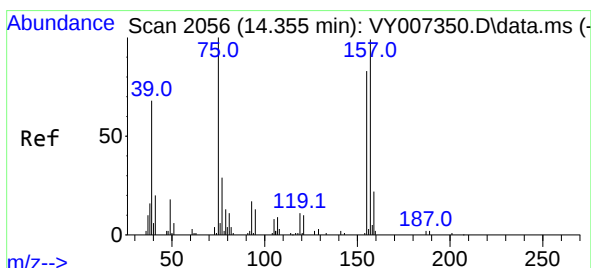
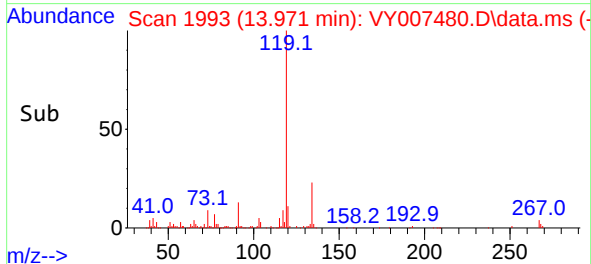
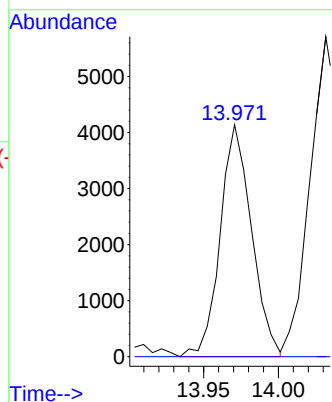
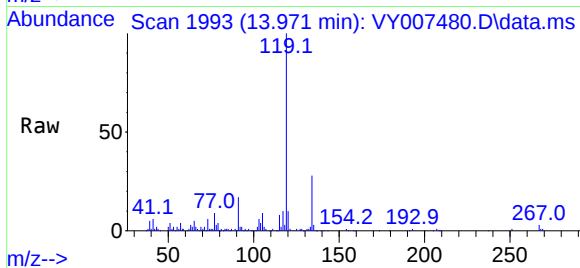




#90
Hexachloroethane
Concen: 4.498 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

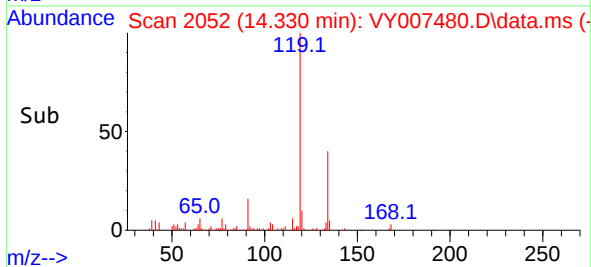
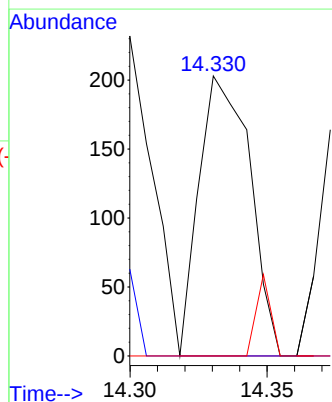
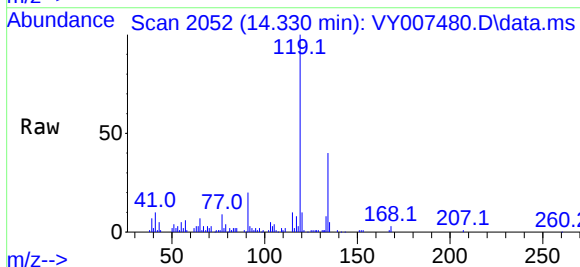
Instrument :
MSVOA_Y
ClientSampleId :

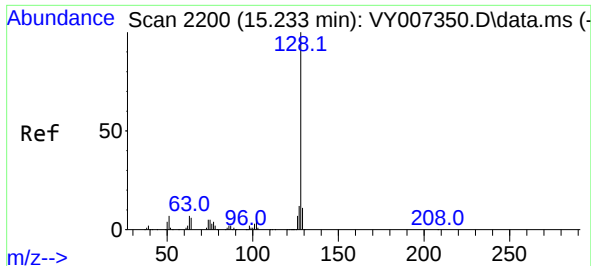
Tgt Ion:117 Resp: 6028
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.080 ug/l
RT: 14.330 min Scan# 2052
Delta R.T. -0.024 min
Lab File: VY007480.D
Acq: 11 Feb 2022 15:28

Tgt Ion: 75 Resp: 262
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 8.4 47.8 143.3#





#95

Naphthalene

Concen: 29.756 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

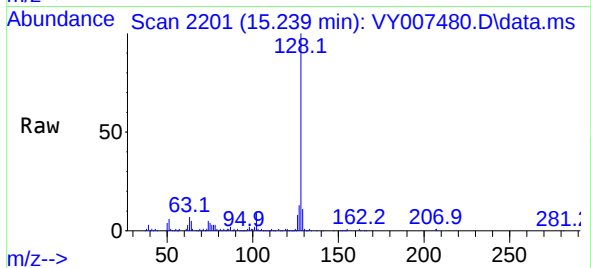
Lab File: VY007480.D

Acq: 11 Feb 2022 15:28

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 107576

Ion Ratio Lower Upper

128 100

127 13.3 11.0 16.4

129 11.2 8.4 12.6

