

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030322\
 Data File : VY007736.D
 Acq On : 04 Mar 2022 04:51
 Operator : SY/MD
 Sample : N1730-15
 Misc : 7.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 04 07:32:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

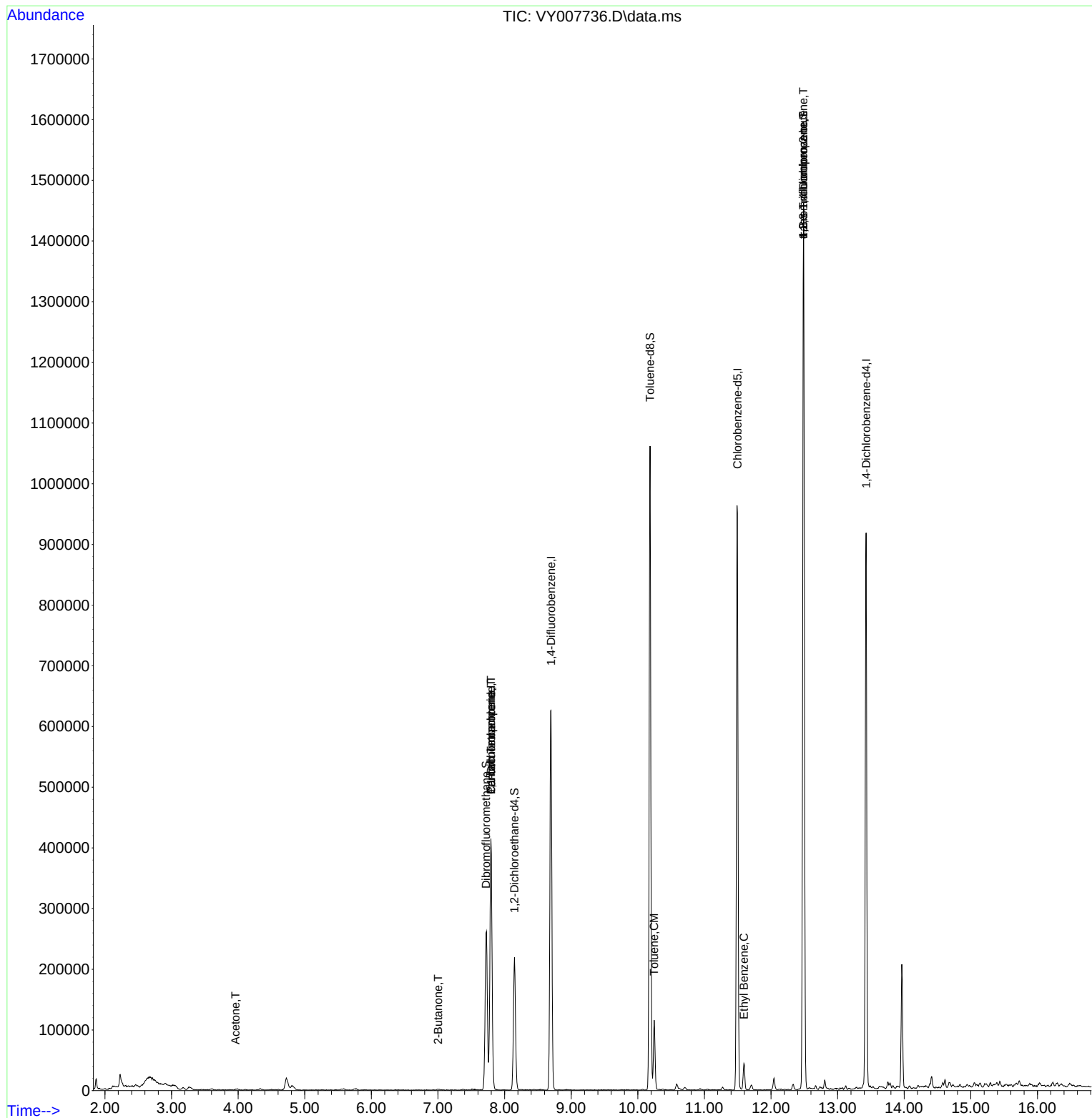
Internal Standards						
1) Pentafluorobenzene	7.795	168	329476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	562761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	535760	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	231435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	162967	47.246	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.500%
35) Dibromofluoromethane	7.722	113	180255	50.100	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.200%
50) Toluene-d8	10.185	98	685219	51.738	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.480%
62) 4-Bromofluorobenzene	12.483	95	212692	49.821	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	131	Below Cal	#	43
3) Chloromethane	2.119	50	1305	Below Cal	#	86
13) Acrolein	3.741	56	78	Below Cal		98
16) Acetone	3.960	43	2608	3.717 ug/l	#	86
17) Carbon Disulfide	4.204	76	442	Below Cal	#	75
18) Methyl Acetate	4.479	43	712	Below Cal	#	56
20) Methylene Chloride	4.728	84	14519	Below Cal	#	69
25) 2-Butanone	7.002	43	2025	1.720 ug/l	#	81
31) Cyclohexane	7.801	56	6972	Below Cal	#	40
36) 1,1-Dichloropropene	7.795	75	25120	4.438 ug/l	#	51
38) Carbon Tetrachloride	7.795	117	31538	5.224 ug/l	#	15
52) Toluene	10.246	92	46640	4.579 ug/l		95
67) Ethyl Benzene	11.593	91	28192	1.339 ug/l		99
76) 1,2,3-Trichloropropane	12.483	75	126148	48.808 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	126148	99.781 ug/l	#	8

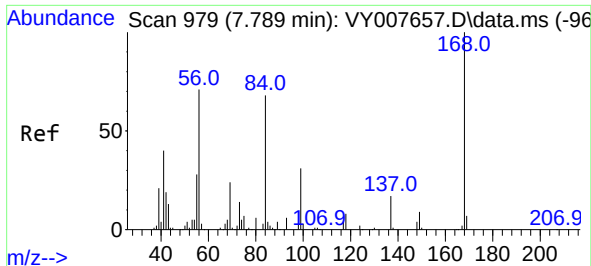
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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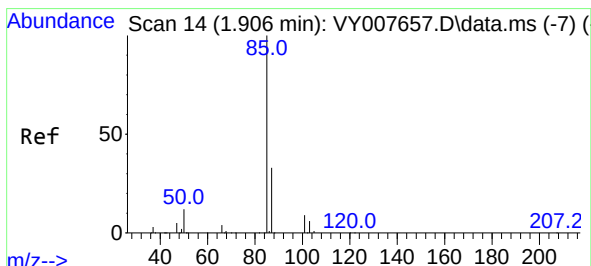
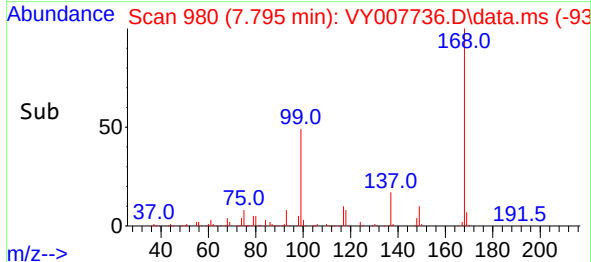
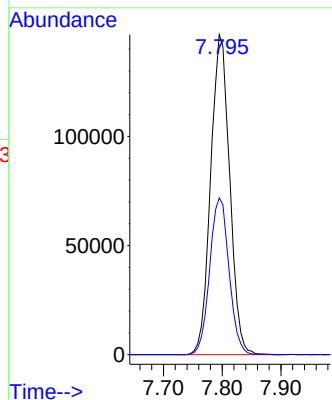
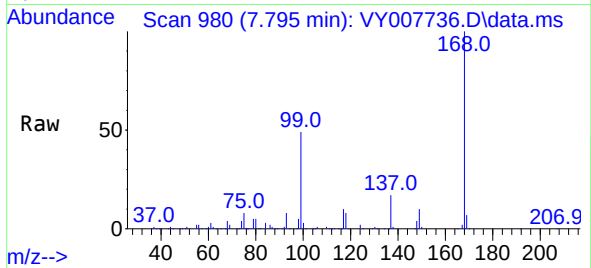




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

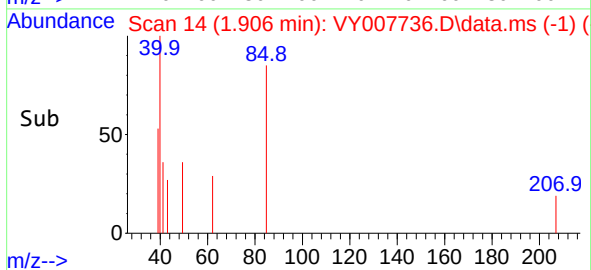
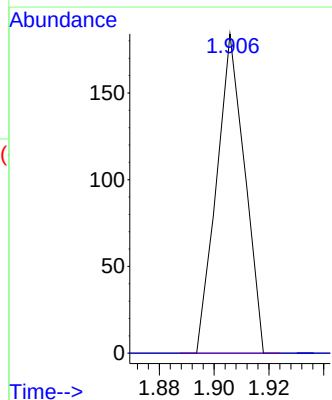
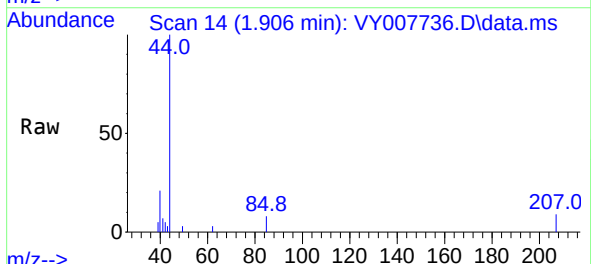
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 329476
Ion Ratio Lower Upper
168 100
99 49.0 46.9 70.3

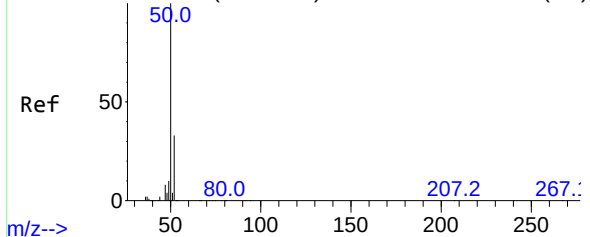


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

Tgt Ion: 85 Resp: 131
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 48 (2.113 min): VY007657.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY007736.D

Acq: 04 Mar 2022 04:51

Instrument :

MSVOA_Y

ClientSampleId :

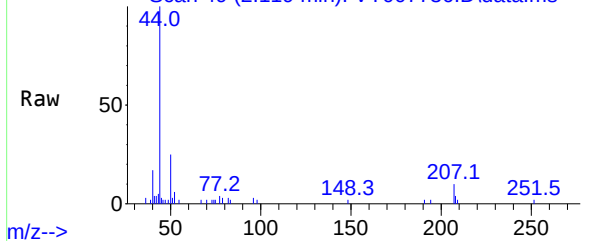
Tgt Ion: 50 Resp: 1305

Ion Ratio Lower Upper

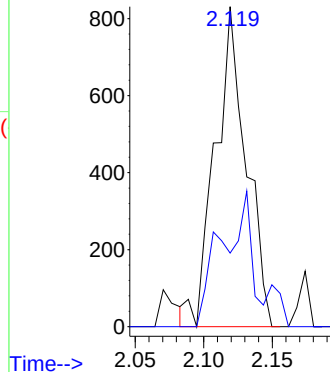
50 100

52 23.0 24.6 37.0#

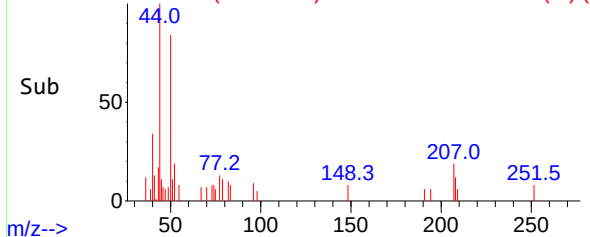
Abundance Scan 49 (2.119 min): VY007736.D\data.ms



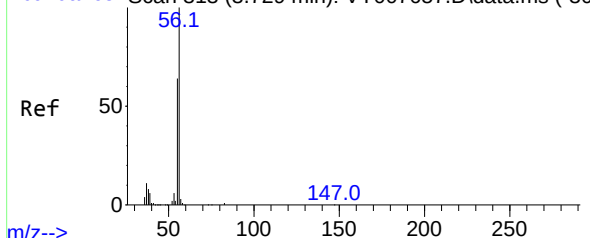
Abundance



Abundance Scan 49 (2.119 min): VY007736.D\data.ms (-1)



Abundance Scan 313 (3.729 min): VY007657.D\data.ms (-30)



#13

Acrolein

Concen: Below Cal

RT: 3.741 min Scan# 315

Delta R.T. 0.012 min

Lab File: VY007736.D

Acq: 04 Mar 2022 04:51

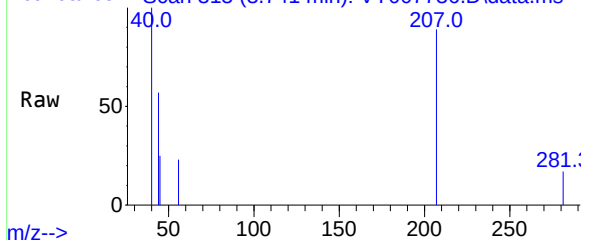
Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

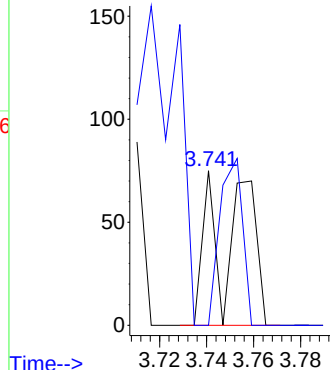
56 100

55 70.5 57.6 86.4

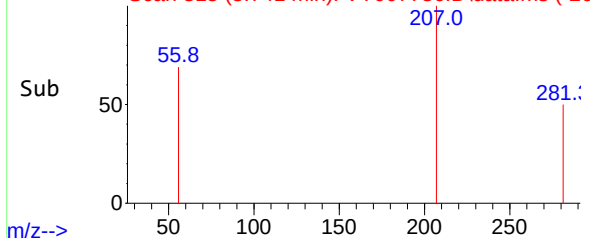
Abundance Scan 315 (3.741 min): VY007736.D\data.ms

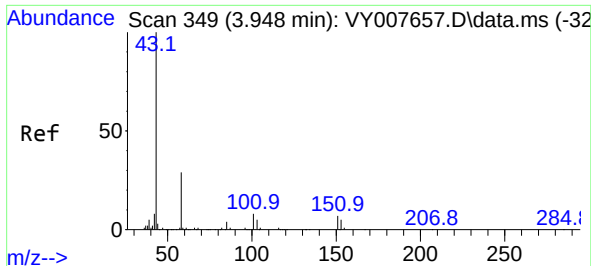


Abundance



Abundance Scan 315 (3.741 min): VY007736.D\data.ms (-26)

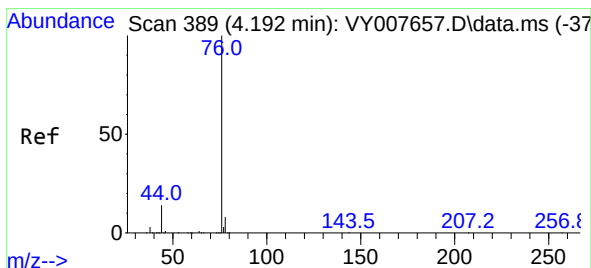
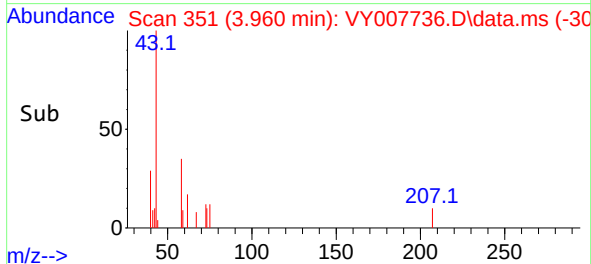
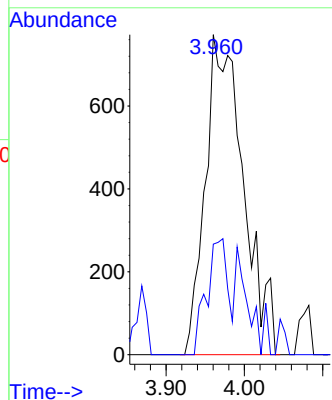
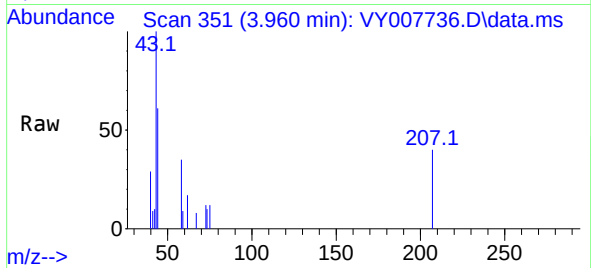




#16
Acetone
Concen: 3.717 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

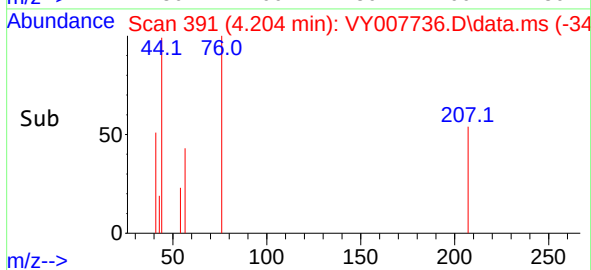
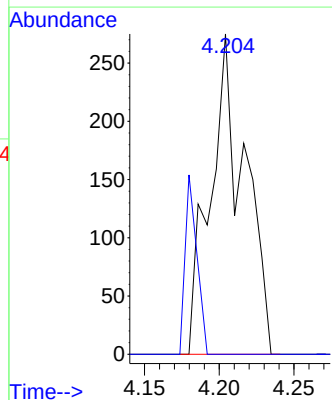
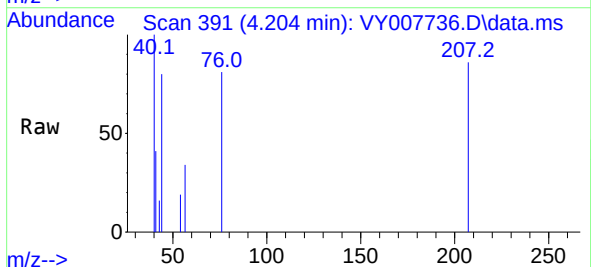
Instrument :
MSVOA_Y
ClientSampleId :

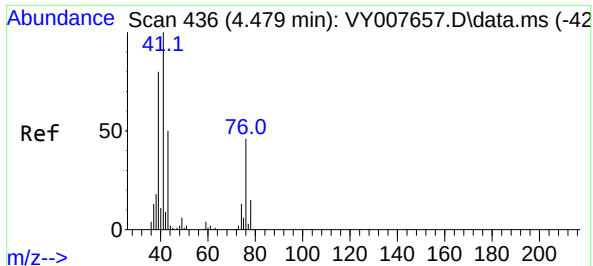
Tgt Ion: 43 Resp: 2608
Ion Ratio Lower Upper
43 100
58 34.6 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

Tgt Ion: 76 Resp: 442
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY007736.D

Acq: 04 Mar 2022 04:51

Instrument :

MSVOA_Y

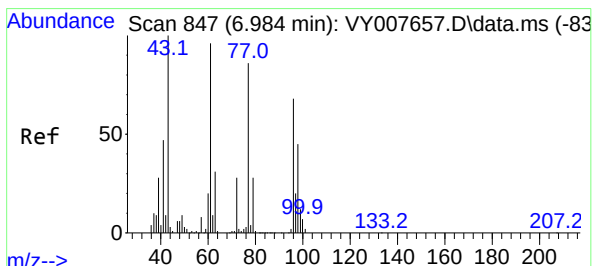
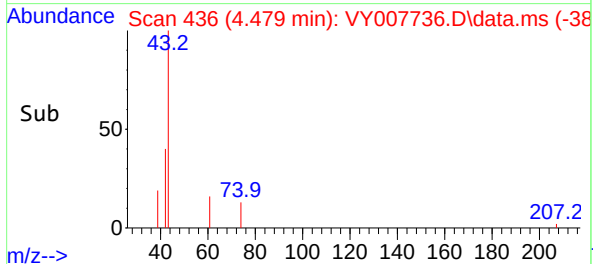
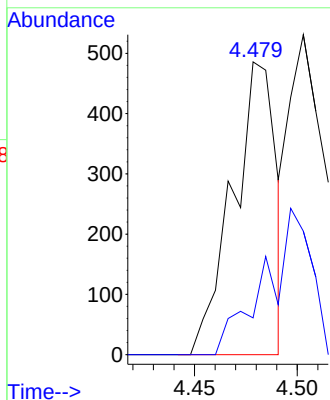
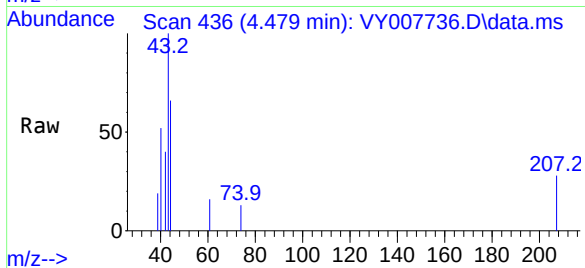
ClientSampleId :

Tgt Ion: 43 Resp: 712

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#25

2-Butanone

Concen: 1.720 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.018 min

Lab File: VY007736.D

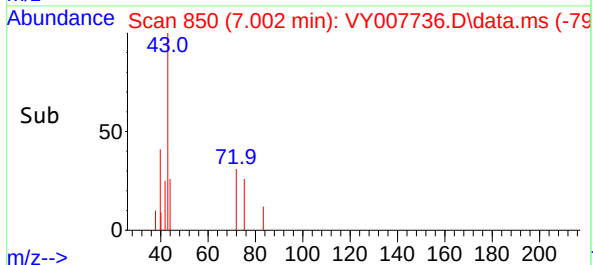
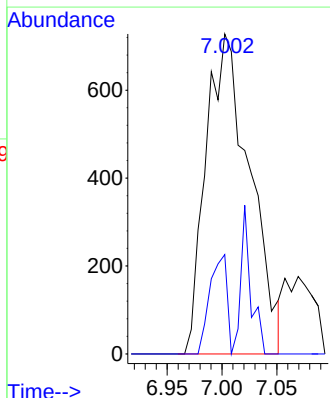
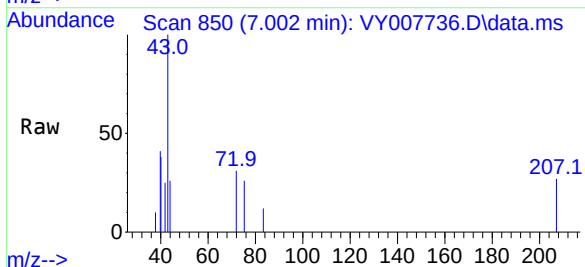
Acq: 04 Mar 2022 04:51

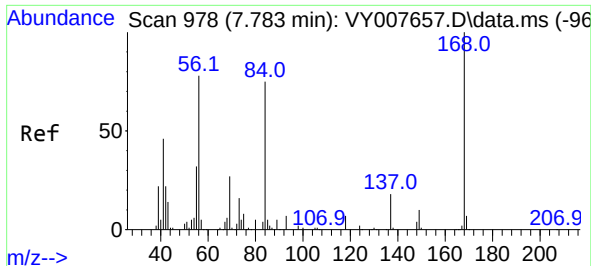
Tgt Ion: 43 Resp: 2025

Ion Ratio Lower Upper

43 100

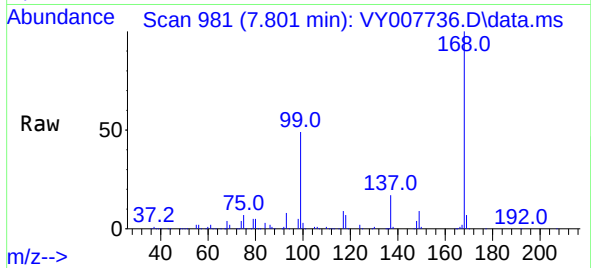
72 31.0 17.7 26.5#



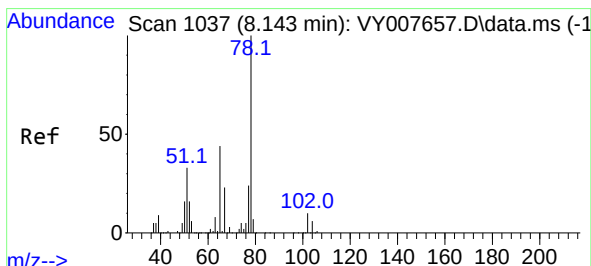
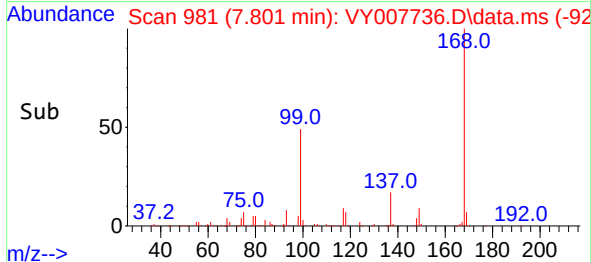
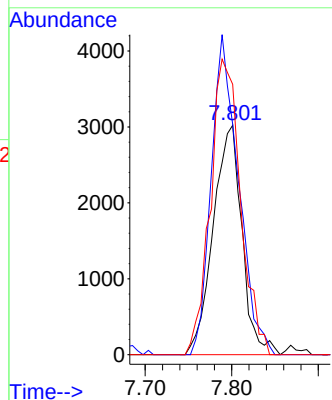


#31
Cyclohexane
Concen: Below Cal
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

Instrument :
MSVOA_Y
ClientSampleId :

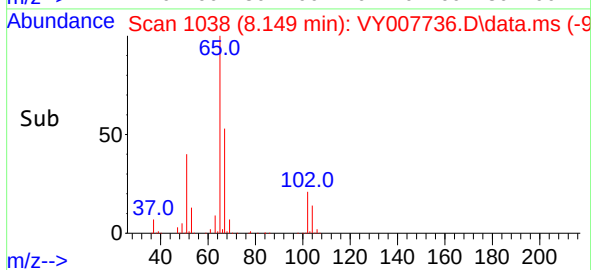
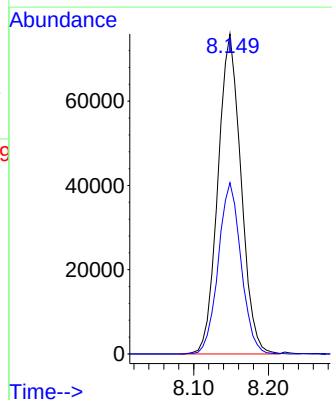
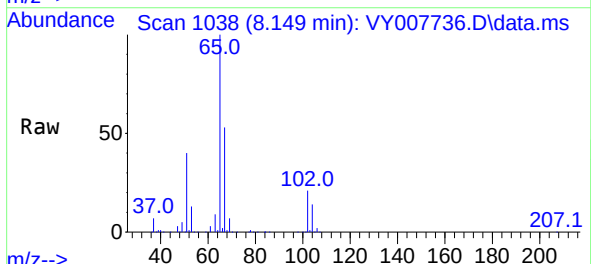


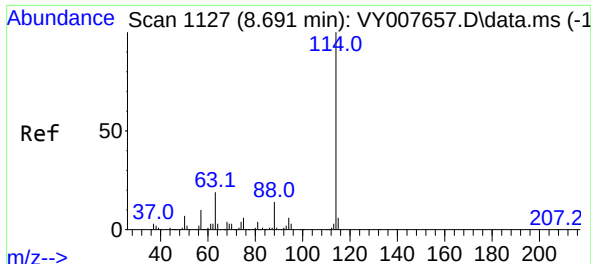
Tgt Ion: 56 Resp: 6972
Ion Ratio Lower Upper
56 100
69 100.4 26.7 40.1#
84 117.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 47.246 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

Tgt Ion: 65 Resp: 162967
Ion Ratio Lower Upper
65 100
67 52.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY007736.D

Acq: 04 Mar 2022 04:51

Instrument :

MSVOA_Y

ClientSampleId :

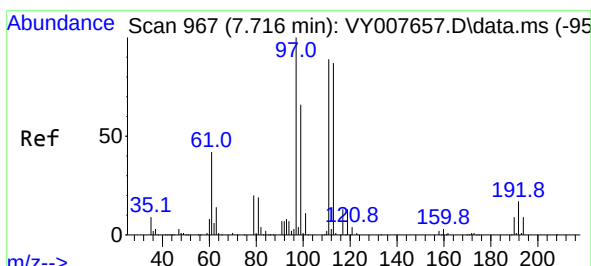
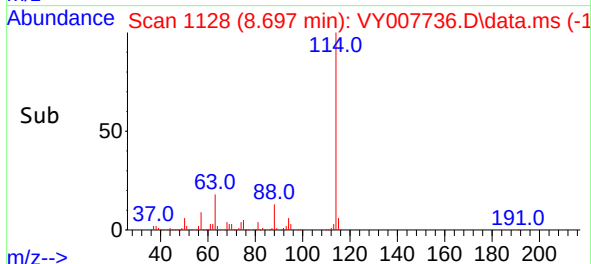
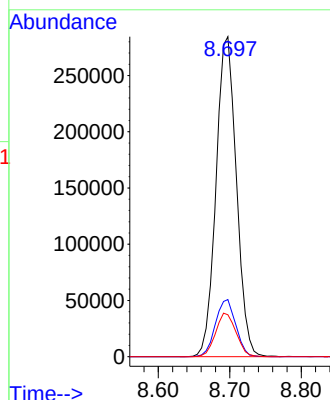
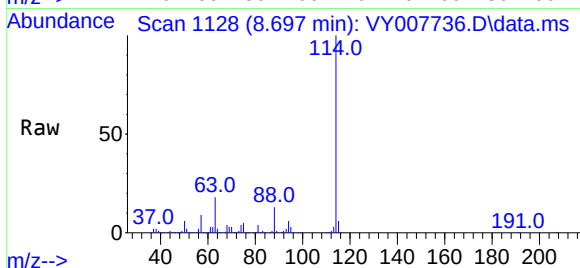
Tgt Ion:114 Resp: 562761

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 13.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 50.100 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007736.D

Acq: 04 Mar 2022 04:51

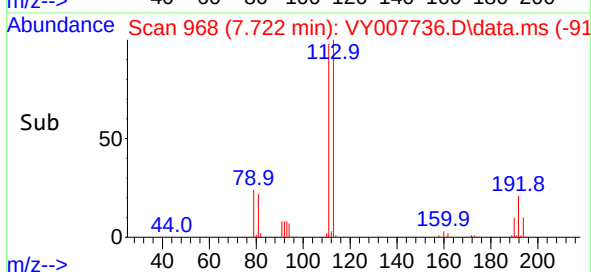
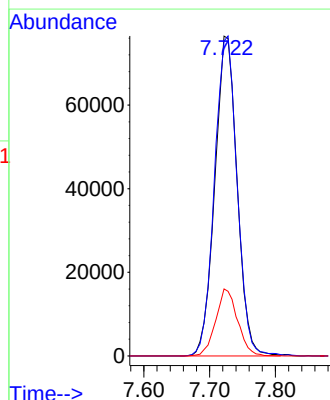
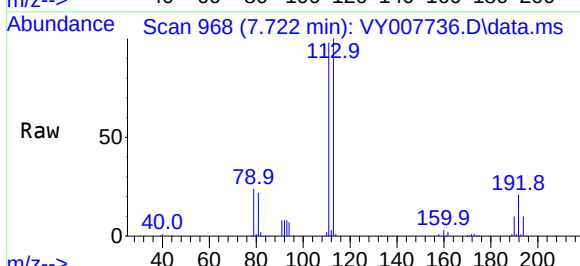
Tgt Ion:113 Resp: 180255

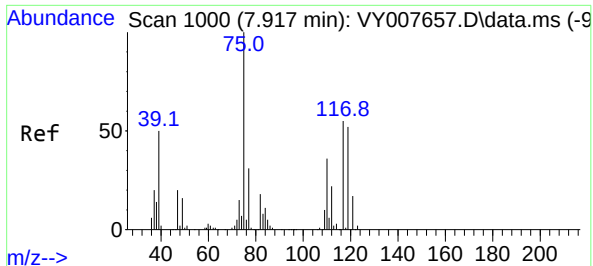
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 20.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.438 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY007736.D

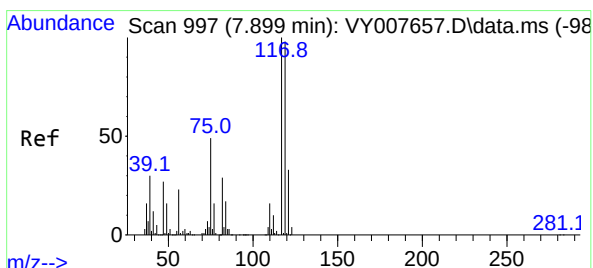
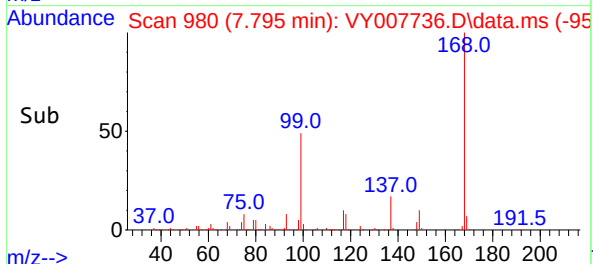
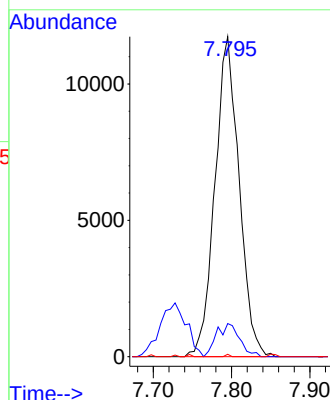
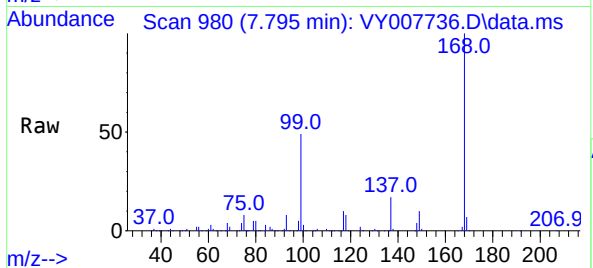
Acq: 04 Mar 2022 04:51

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	25120
Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.1	51.2#
77	0.1	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.224 ug/l

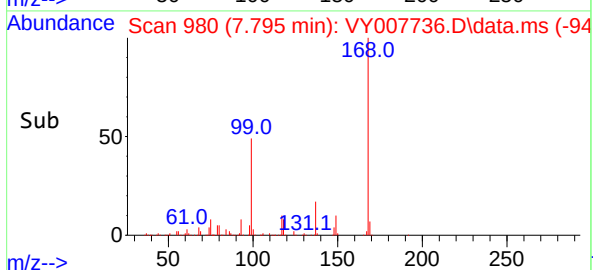
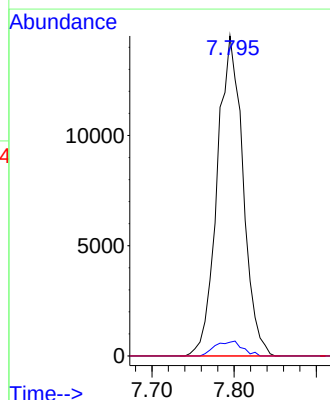
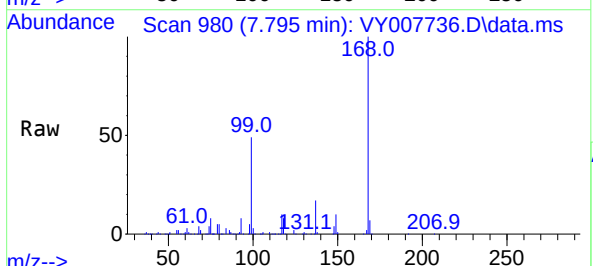
RT: 7.795 min Scan# 980

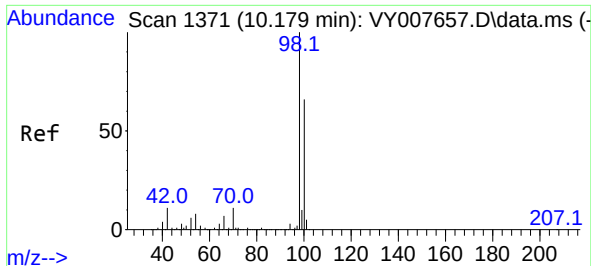
Delta R.T. -0.104 min

Lab File: VY007736.D

Acq: 04 Mar 2022 04:51

Tgt Ion:	117	Resp:	31538
Ion	Ratio	Lower	Upper
117	100		
119	4.3	77.9	116.9#
121	0.0	24.8	37.2#

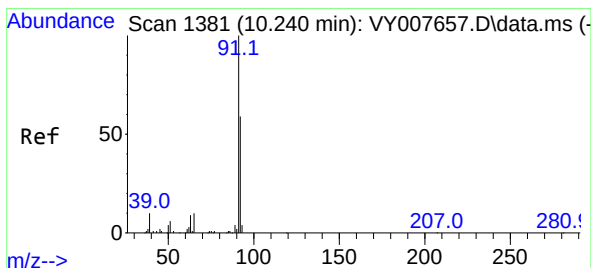
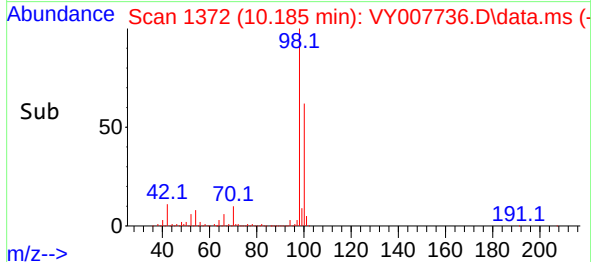
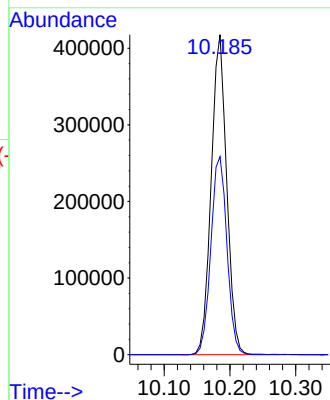
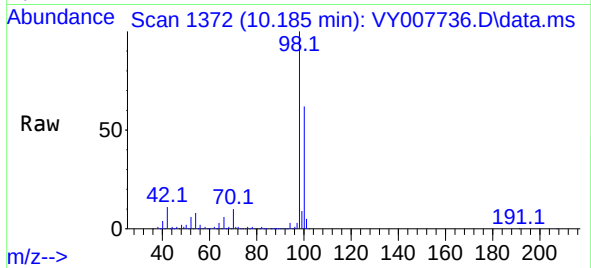




#50
Toluene-d8
Concen: 51.738 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

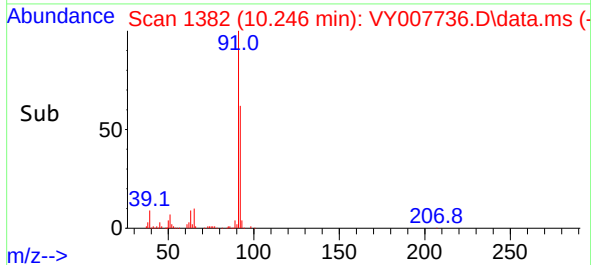
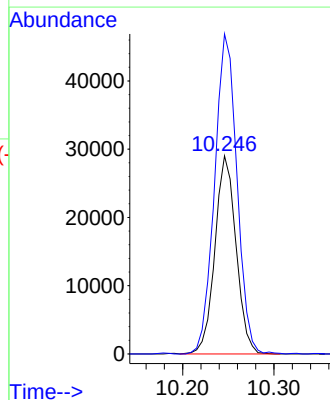
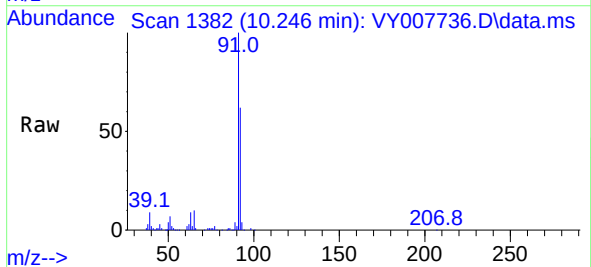
Instrument :
MSVOA_Y
ClientSampleId :

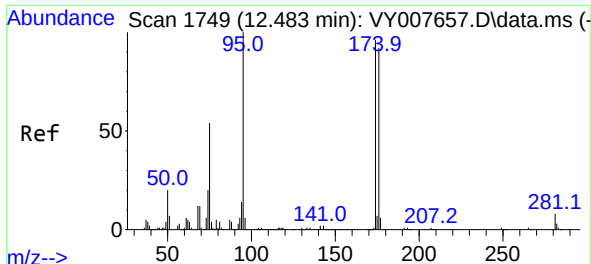
Tgt Ion: 98 Resp: 685219
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2



#52
Toluene
Concen: 4.579 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

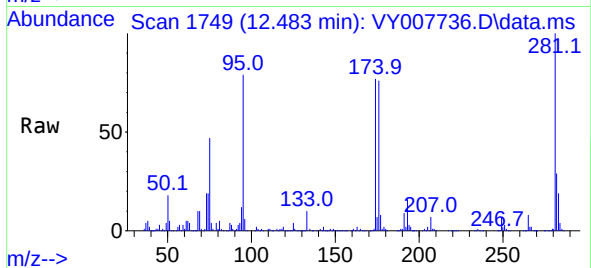
Tgt Ion: 92 Resp: 46640
Ion Ratio Lower Upper
92 100
91 171.0 142.6 213.8



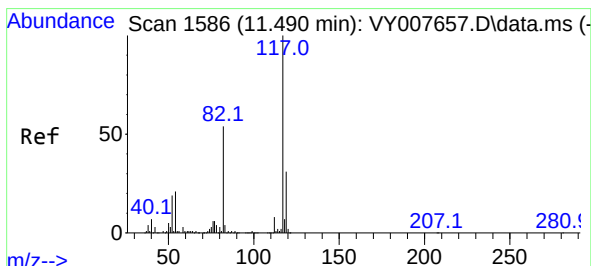
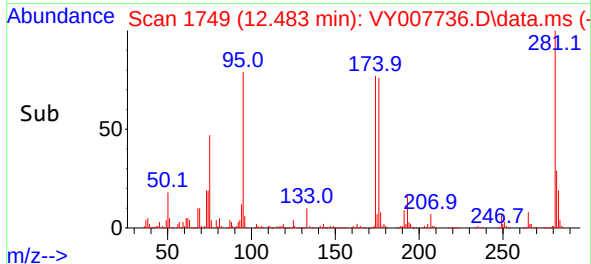
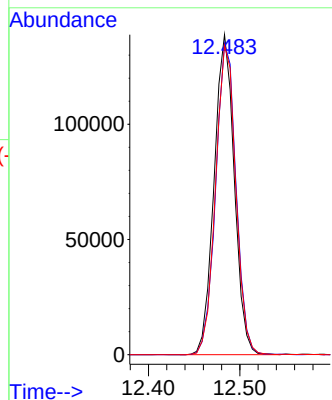


#62
4-Bromofluorobenzene
Concen: 49.821 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

Instrument :
MSVOA_Y
ClientSampleId :

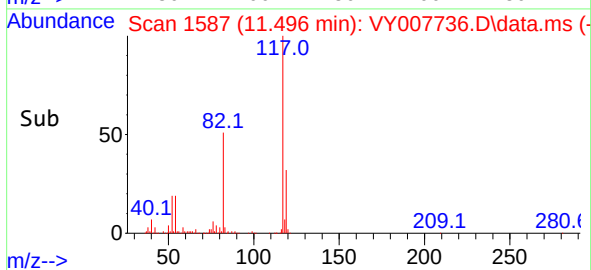
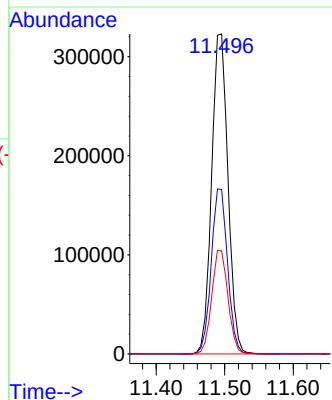
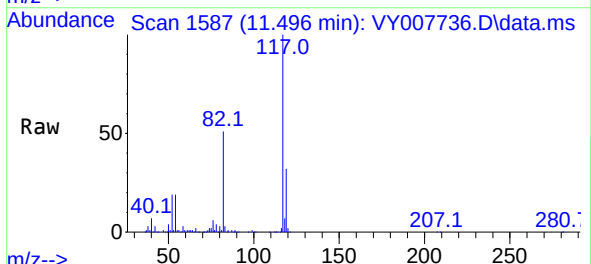


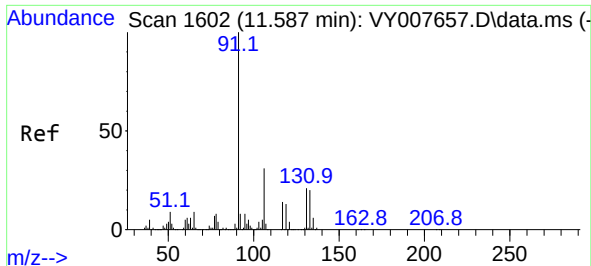
Tgt Ion: 95 Resp: 212692
Ion Ratio Lower Upper
95 100
174 97.9 0.0 177.0
176 97.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

Tgt Ion: 117 Resp: 535760
Ion Ratio Lower Upper
117 100
82 51.4 43.0 64.4
119 32.2 25.4 38.0





#67

Ethyl Benzene

Concen: 1.339 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY007736.D

Acq: 04 Mar 2022 04:51

Instrument :

MSVOA_Y

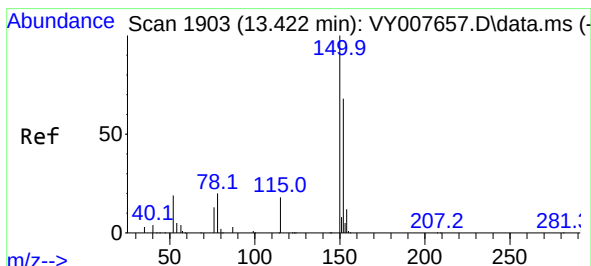
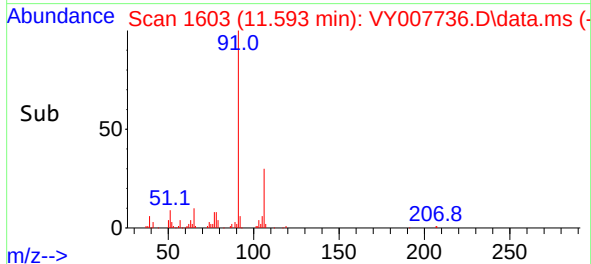
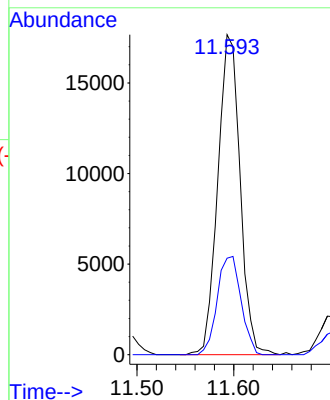
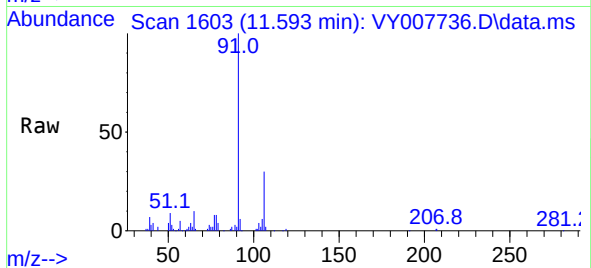
ClientSampleId :

Tgt Ion: 91 Resp: 28192

Ion Ratio Lower Upper

91 100

106 30.1 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY007736.D

Acq: 04 Mar 2022 04:51

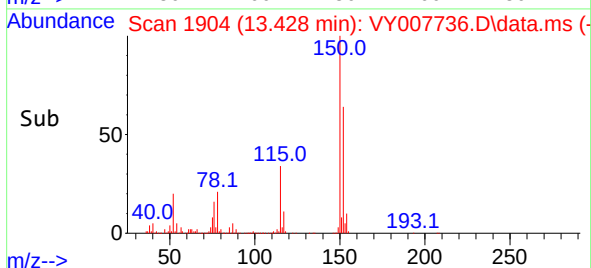
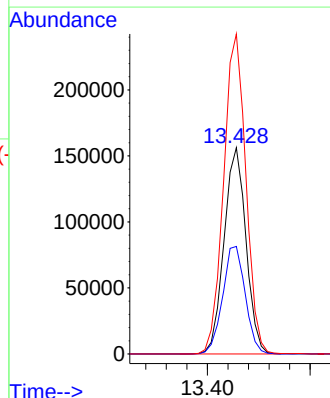
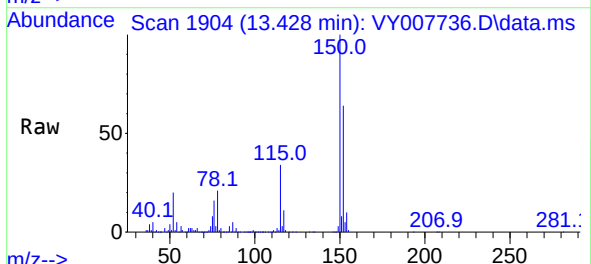
Tgt Ion:152 Resp: 231435

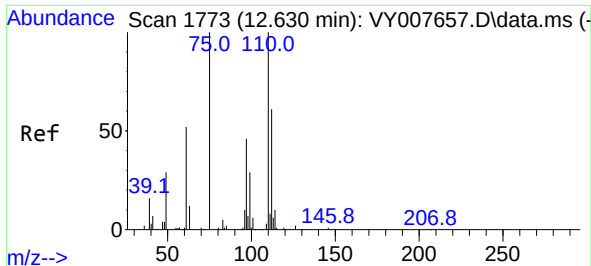
Ion Ratio Lower Upper

152 100

115 53.8 28.2 84.7

150 157.4 0.0 347.6

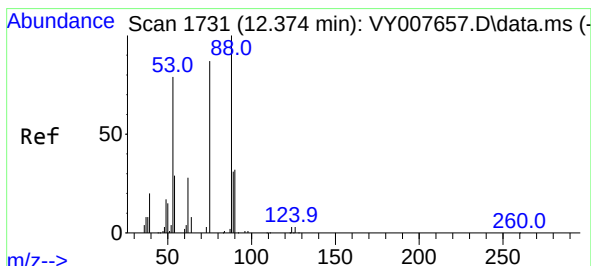
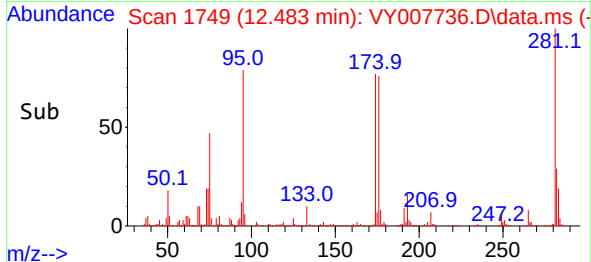
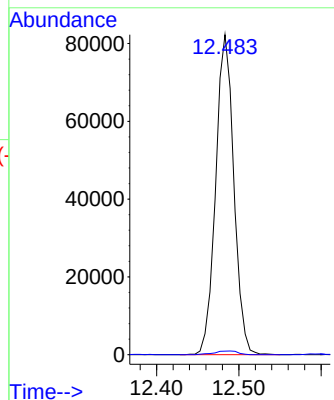
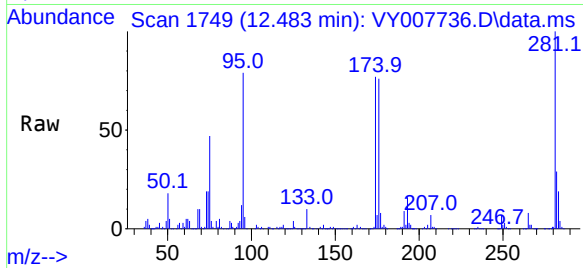




#76
1,2,3-Trichloropropane
Concen: 48.808 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 126148
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.781 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY007736.D
Acq: 04 Mar 2022 04:51

Tgt Ion: 75 Resp: 126148
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 1.6 37.0 55.4#

