

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007956.D
 Acq On : 21 Mar 2022 15:49
 Operator : SY/MD
 Sample : N1979-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4743

Quant Time: Mar 22 03:39:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

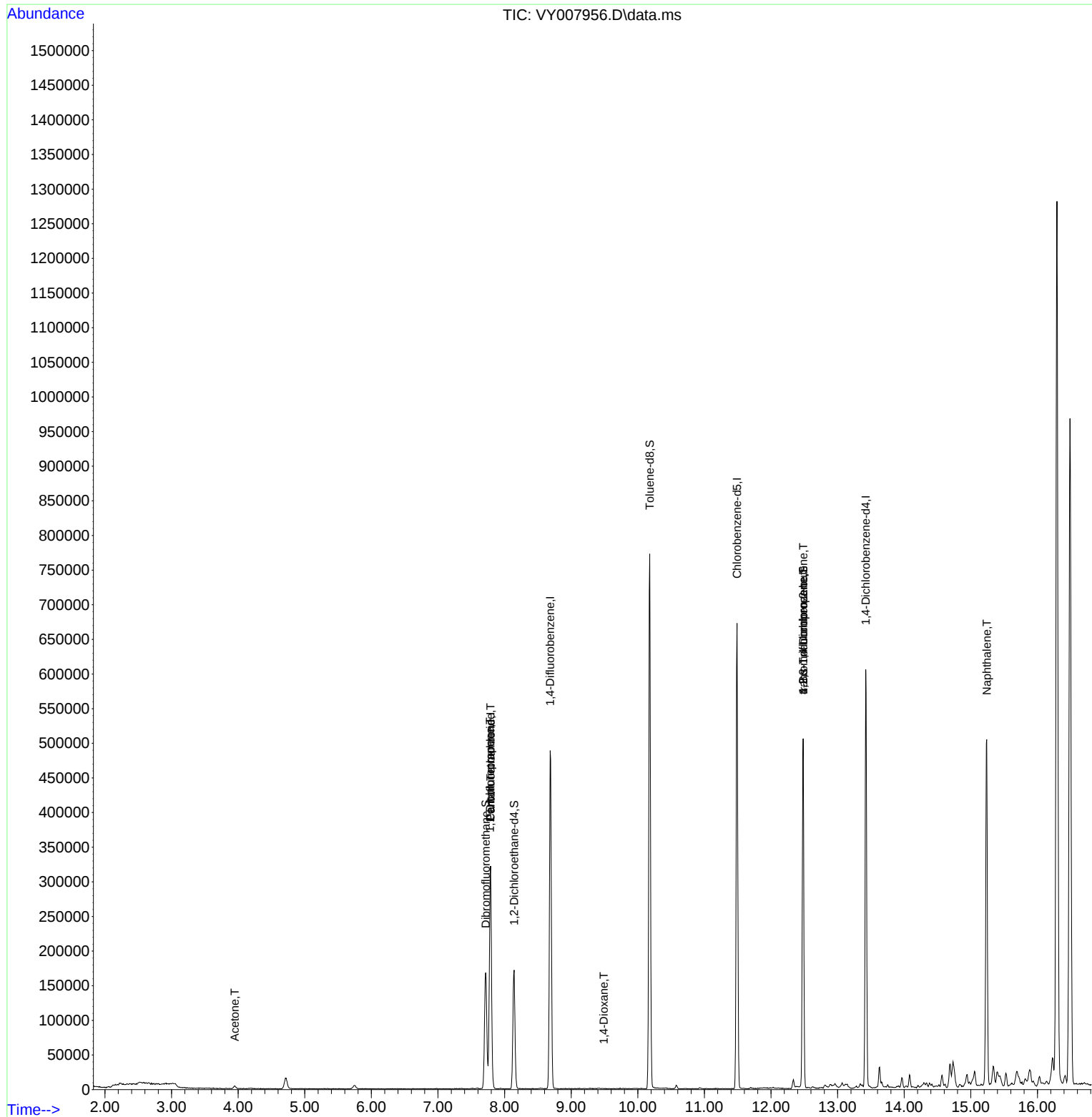
Internal Standards						
1) Pentafluorobenzene	7.789	168	233971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	421038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	359751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	129413	48.511	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.020%
35) Dibromofluoromethane	7.716	113	124503	42.106	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.220%
50) Toluene-d8	10.179	98	508323	57.858	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	115.720%
62) 4-Bromofluorobenzene	12.483	95	161256	37.999	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	76.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	92	Below Cal	#	43
3) Chloromethane	2.107	50	774	Below Cal	#	83
4) Vinyl Chloride	2.266	62	227	Below Cal	#	43
5) Bromomethane	2.650	94	345	Below Cal	#	49
16) Acetone	3.948	43	6286	8.882	ug/l #	79
17) Carbon Disulfide	4.192	76	411	Below Cal	#	75
18) Methyl Acetate	4.479	43	138	Below Cal	#	56
20) Methylene Chloride	4.710	84	11382	Below Cal	#	82
31) Cyclohexane	7.789	56	5576	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	19977	4.555	ug/l #	50
38) Carbon Tetrachloride	7.789	117	24843	5.301	ug/l #	15
39) Methylcyclohexane	9.124	83	32	Below Cal	#	49
49) 1,4-Dioxane	9.490	88	61	2.219	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	84350	41.009	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	84350	86.135	ug/l #	7
95) Naphthalene	15.239	128	404815	56.289	ug/l	98

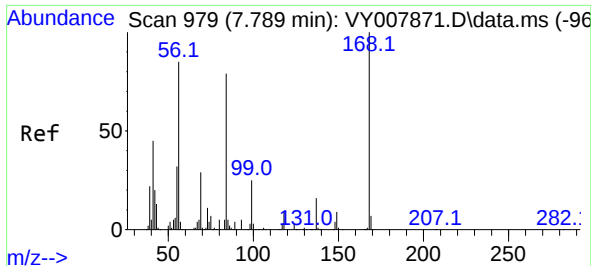
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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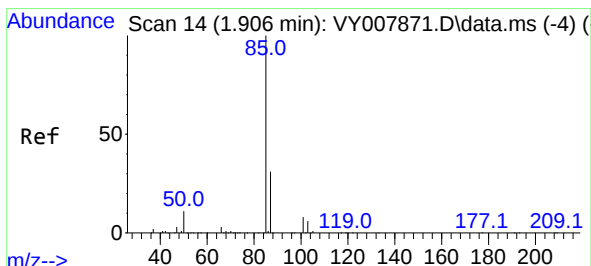
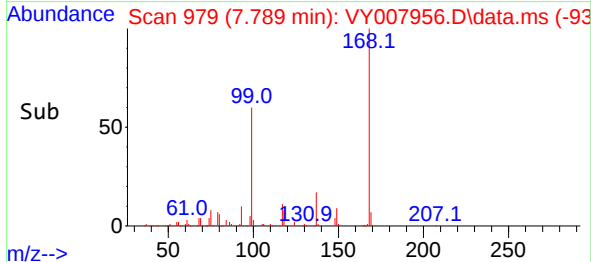
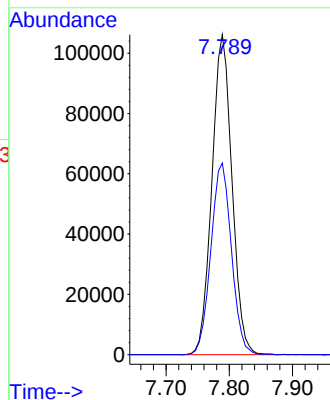
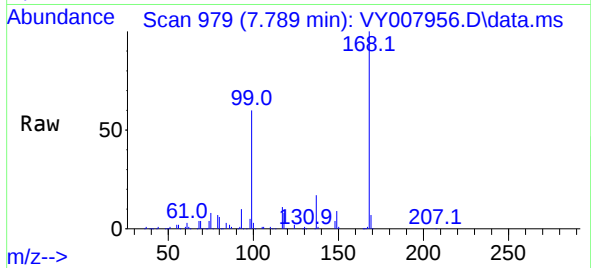




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

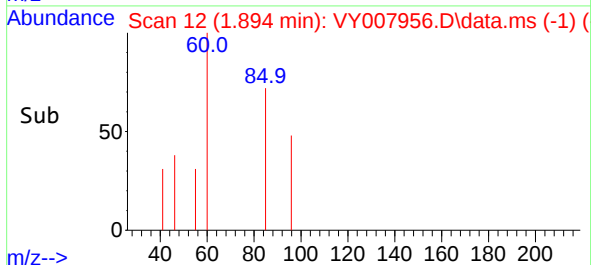
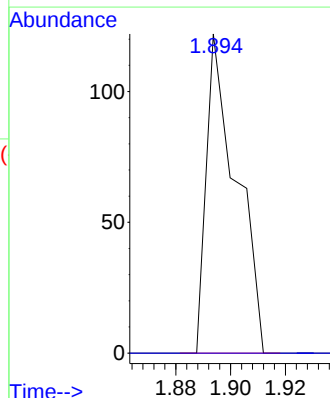
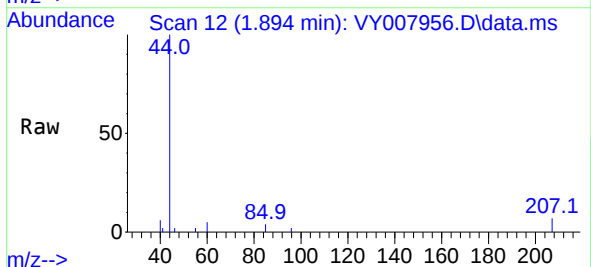
Instrument :
MSVOA_Y
ClientSampleId :
RT4743

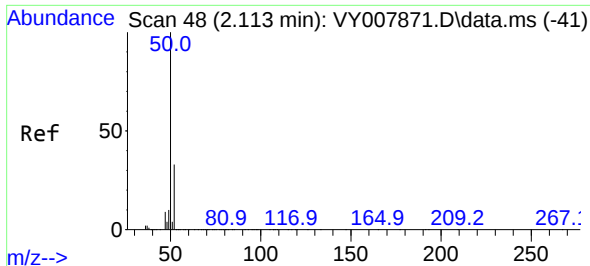
Tgt Ion:168 Resp: 233971
Ion Ratio Lower Upper
168 100
99 59.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.012 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Tgt Ion: 85 Resp: 92
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

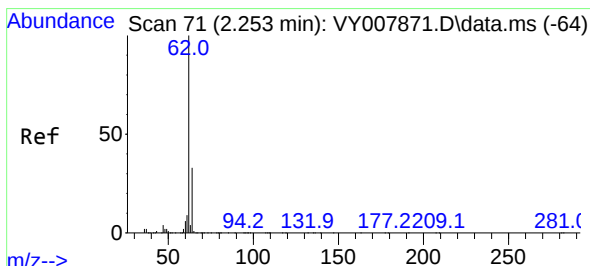
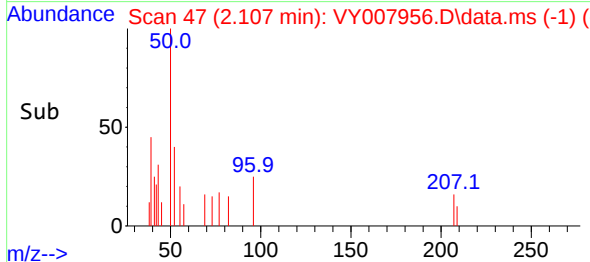
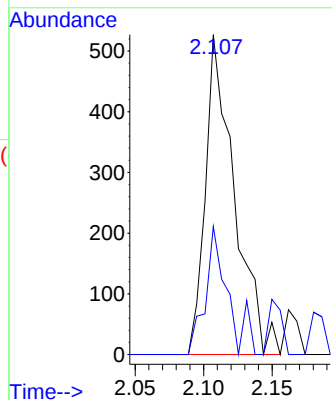
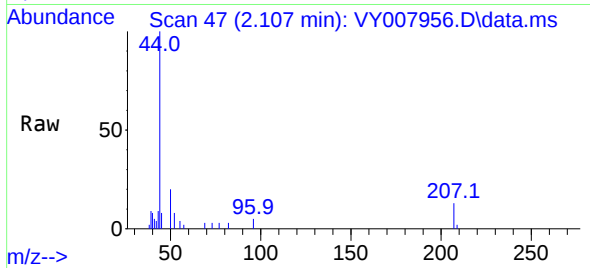




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

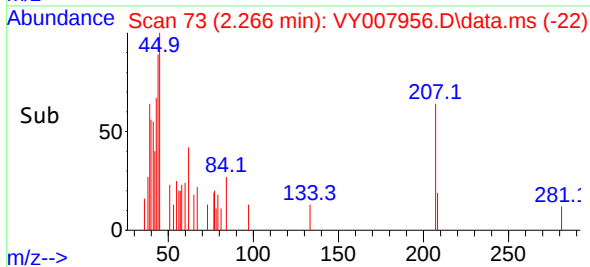
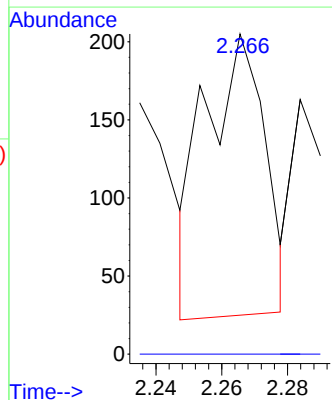
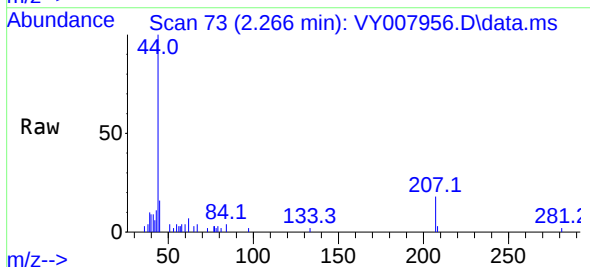
Instrument :
MSVOA_Y
ClientSampleId :
RT4743

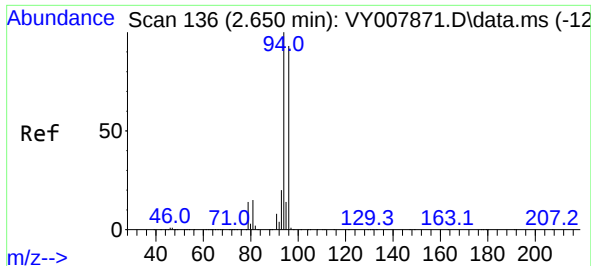
Tgt Ion: 50 Resp: 774
Ion Ratio Lower Upper
50 100
52 40.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.266 min Scan# 73
Delta R.T. 0.012 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Tgt Ion: 62 Resp: 227
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

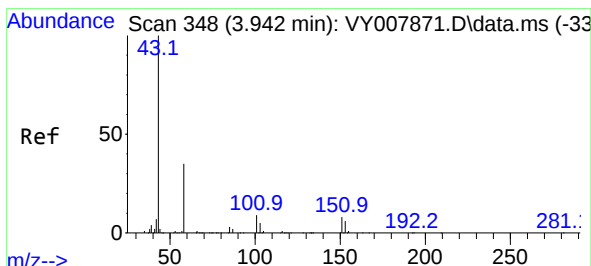
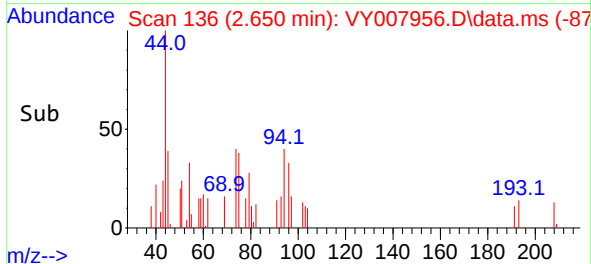
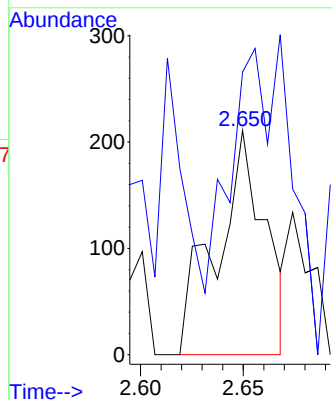
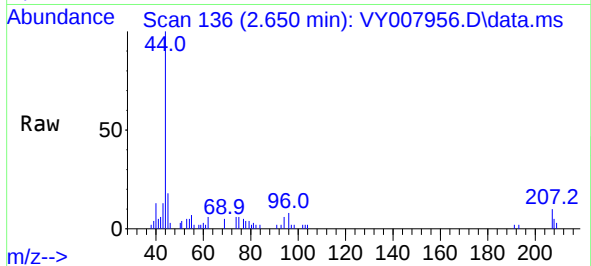




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

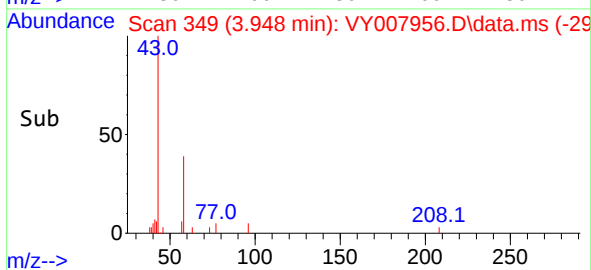
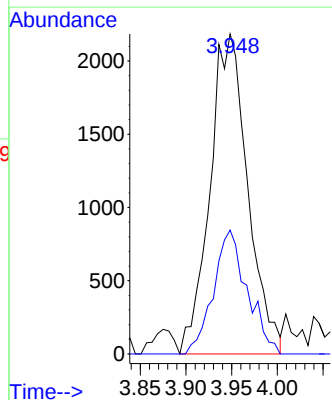
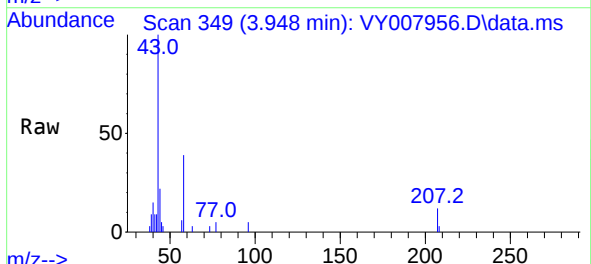
Instrument :
MSVOA_Y
ClientSampleId :
RT4743

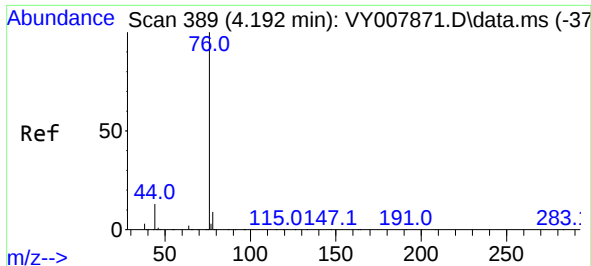
Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 43.1 73.5 110.3#



#16
Acetone
Concen: 8.882 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Tgt Ion: 43 Resp: 6286
Ion Ratio Lower Upper
43 100
58 38.7 22.0 33.0#

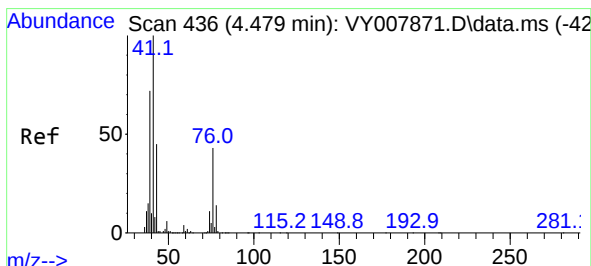
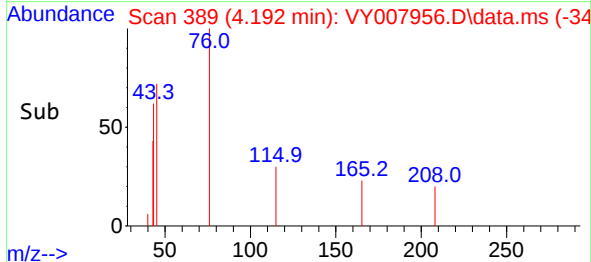
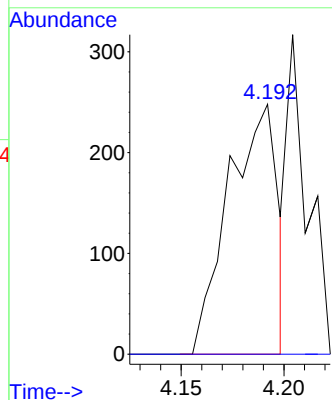
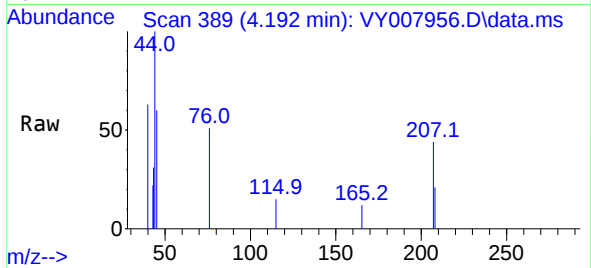




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

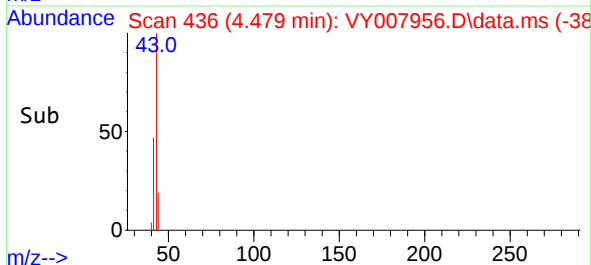
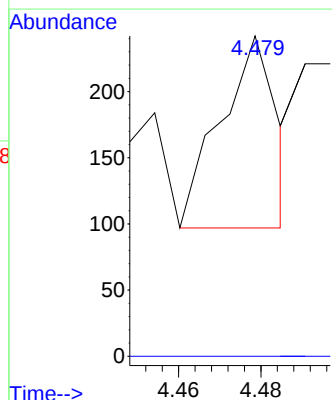
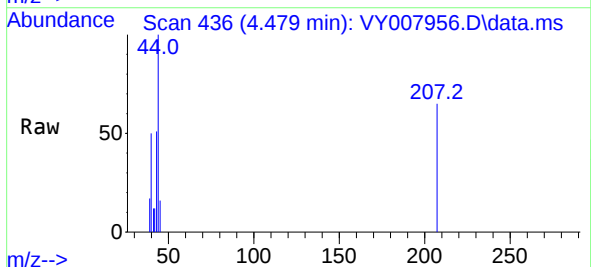
Instrument :
MSVOA_Y
ClientSampleId :
RT4743

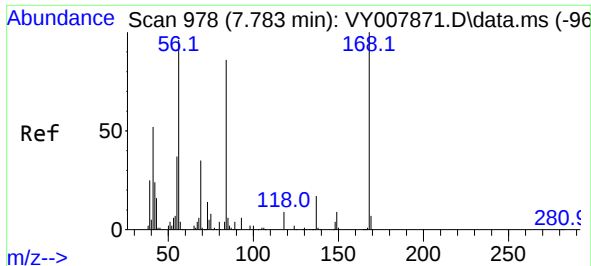
Tgt Ion: 76 Resp: 411
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

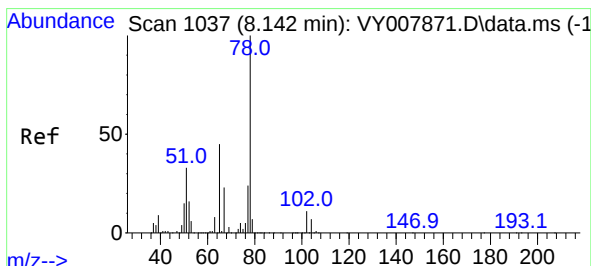
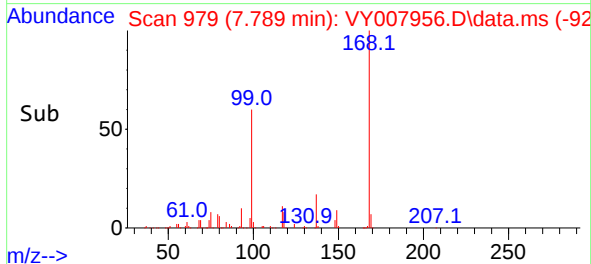
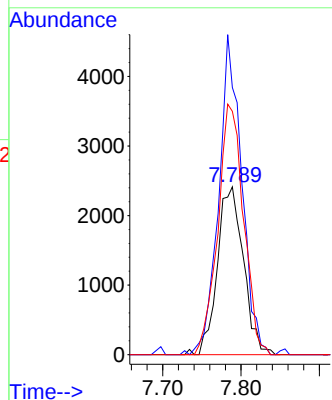
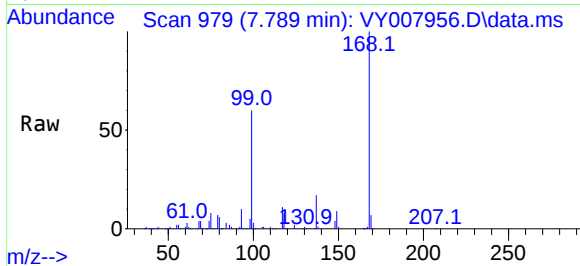




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

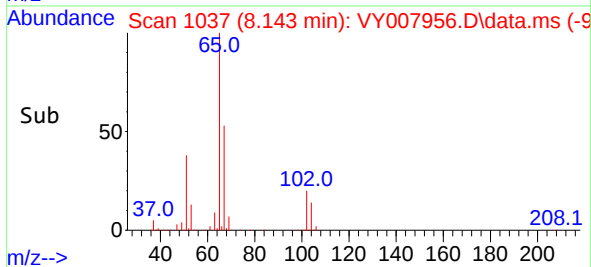
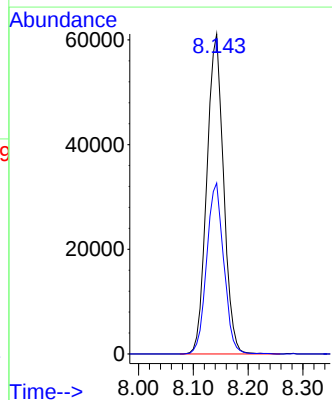
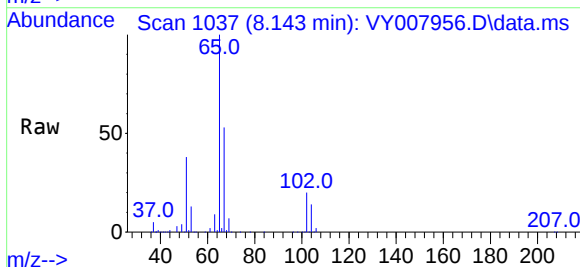
Instrument :
MSVOA_Y
ClientSampleId :
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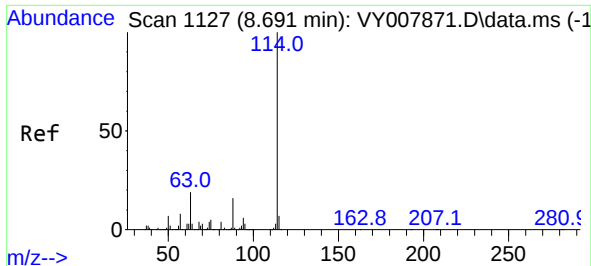
Tgt Ion: 56 Resp: 5576
Ion Ratio Lower Upper
56 100
69 159.3 26.7 40.1#
84 145.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 48.511 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Tgt Ion: 65 Resp: 129413
Ion Ratio Lower Upper
65 100
67 54.3 0.0 99.4

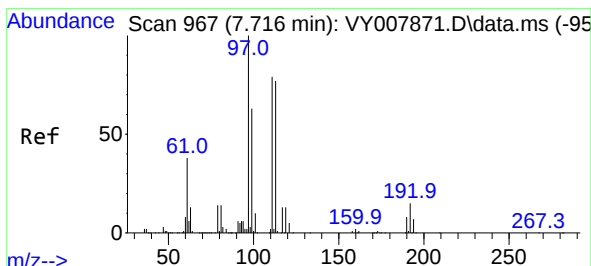
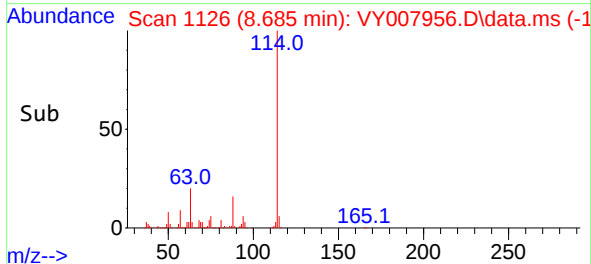
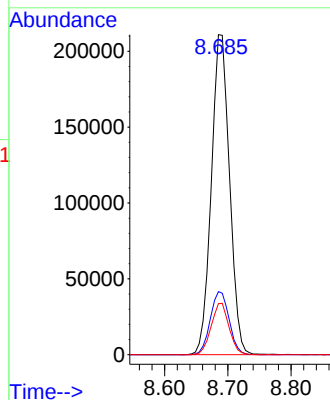
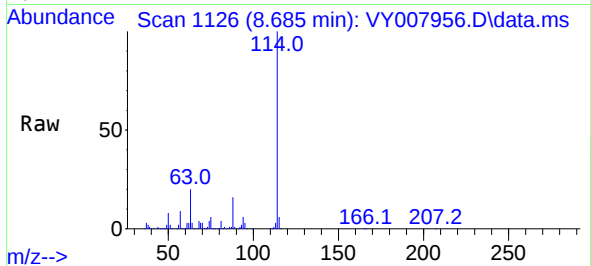




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

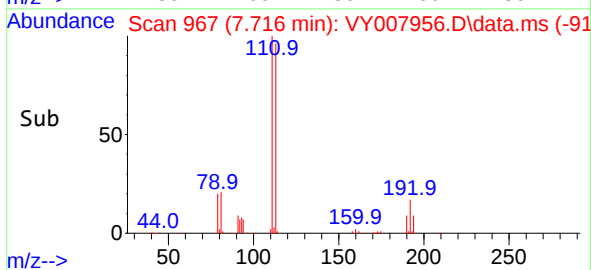
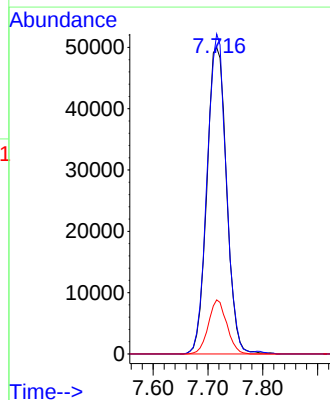
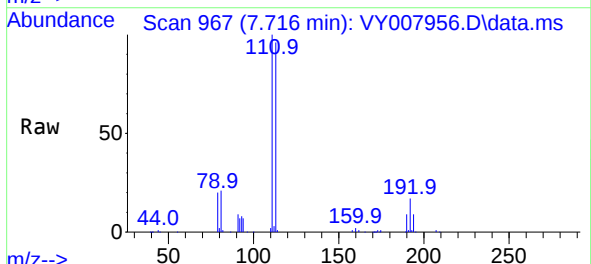
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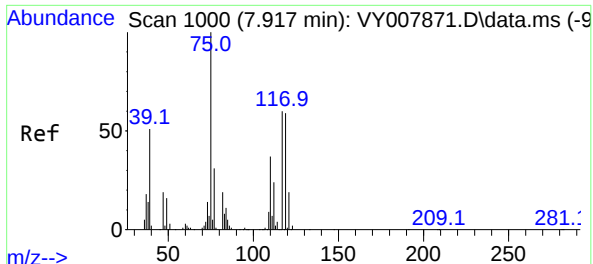
Tgt Ion:	114	Resp:	421038
Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.2
88	16.0	0.0	31.8



#35
Dibromofluoromethane
Concen: 42.106 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Tgt Ion:	113	Resp:	124503
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.6	124.0
192	16.5	17.6	26.4

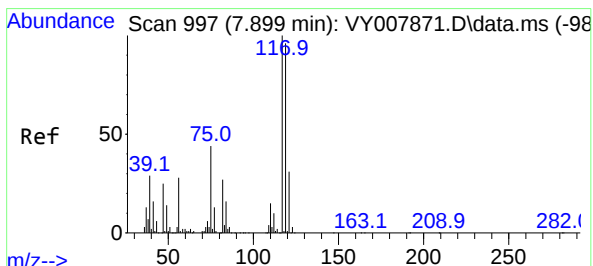
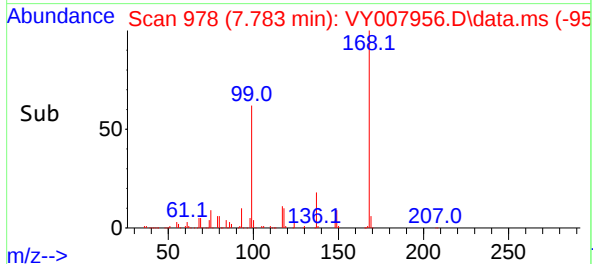
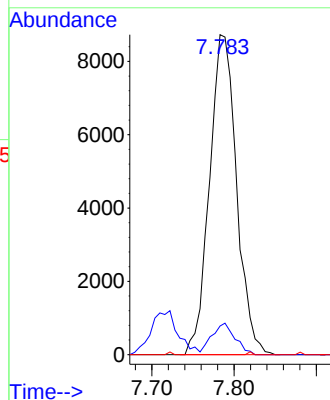
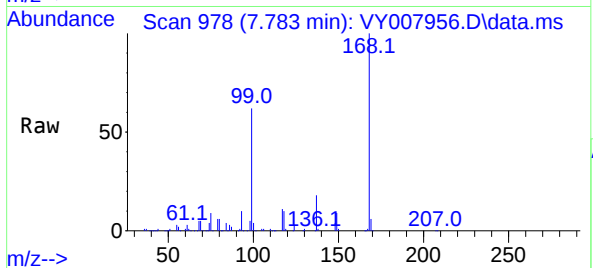




#36
1,1-Dichloropropene
Concen: 4.555 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

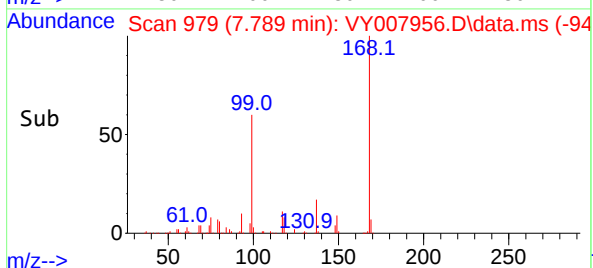
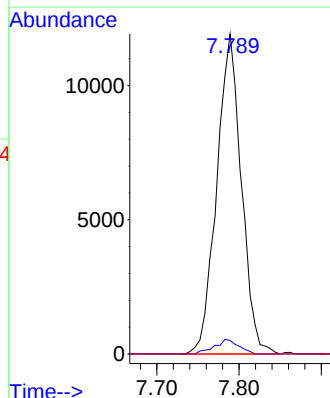
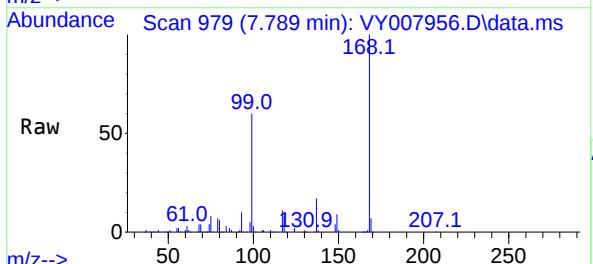
Instrument :
MSVOA_Y
ClientSampleId :
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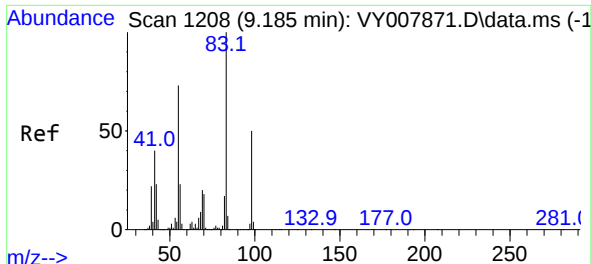
Tgt Ion: 75 Resp: 19977
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.301 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Tgt Ion: 117 Resp: 24843
Ion Ratio Lower Upper
117 100
119 4.2 77.9 116.9#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: Below Cal

RT: 9.124 min Scan# 11

Delta R.T. -0.061 min

Lab File: VY007956.D

Acq: 21 Mar 2022 15:49

Instrument :

MSVOA_Y

ClientSampleId :

RT4743

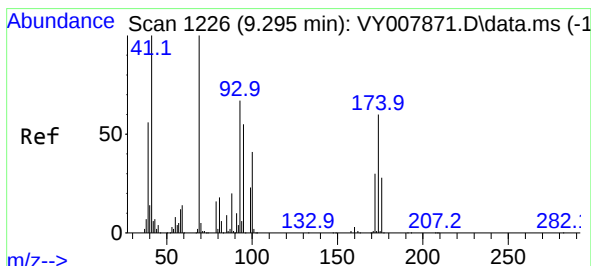
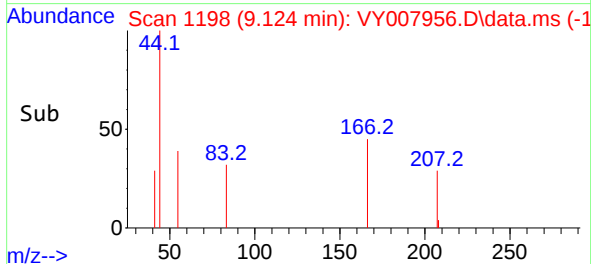
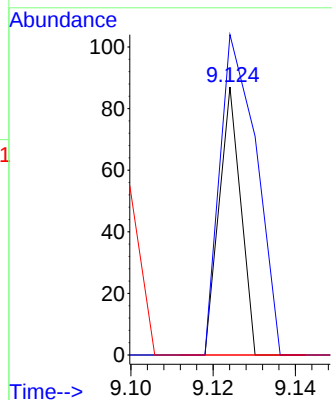
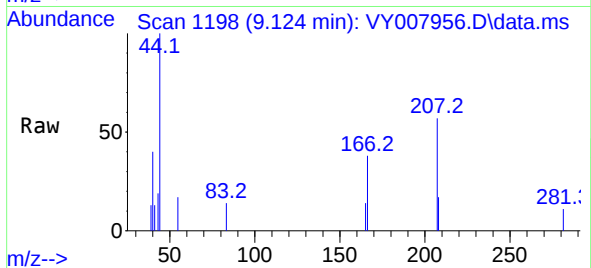
Tgt Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

55 119.5 66.5 99.7#

98 0.0 37.9 56.9#



#49

1,4-Dioxane

Concen: 2.219 ug/l

RT: 9.490 min Scan# 1258

Delta R.T. 0.195 min

Lab File: VY007956.D

Acq: 21 Mar 2022 15:49

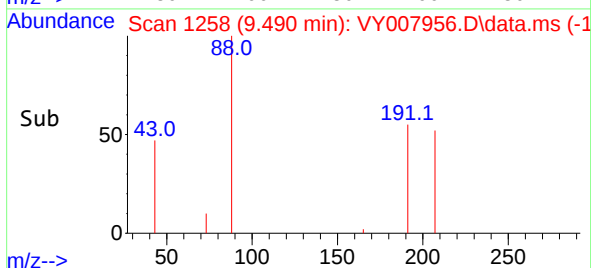
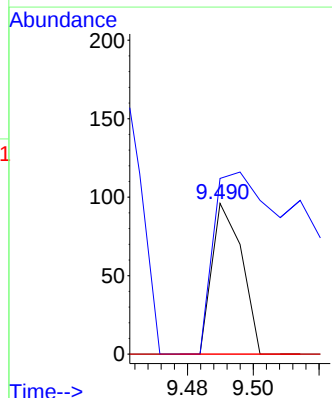
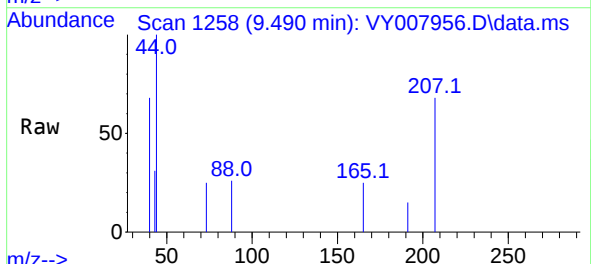
Tgt Ion: 88 Resp: 61

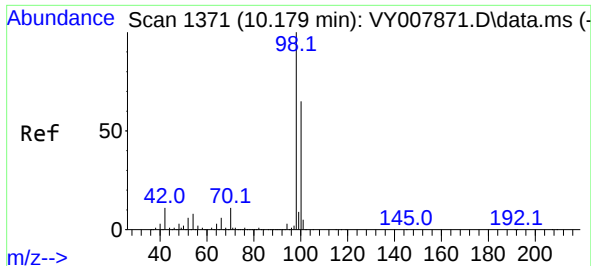
Ion Ratio Lower Upper

88 100

43 350.8 32.8 49.2#

58 0.0 59.8 89.6#

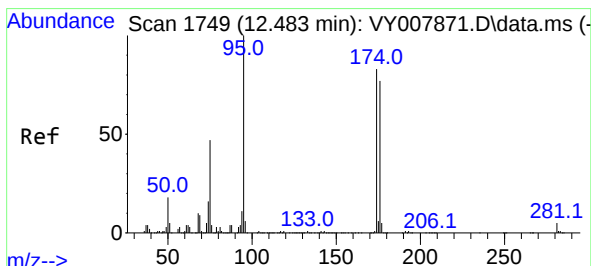
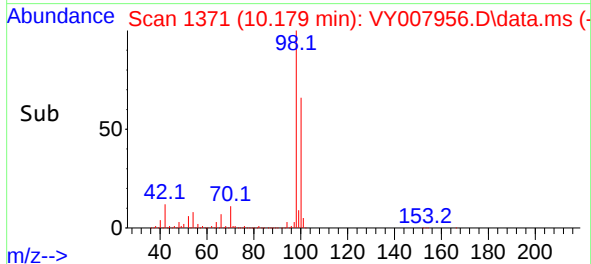
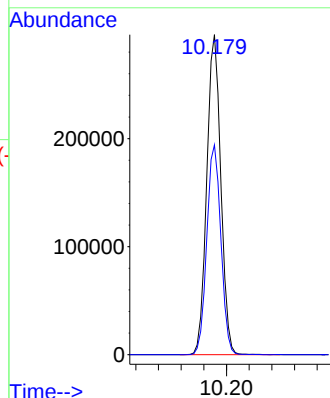
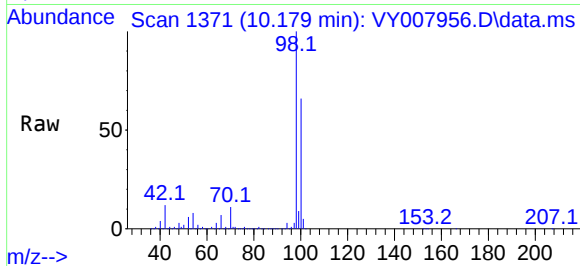




#50
Toluene-d8
Concen: 57.858 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

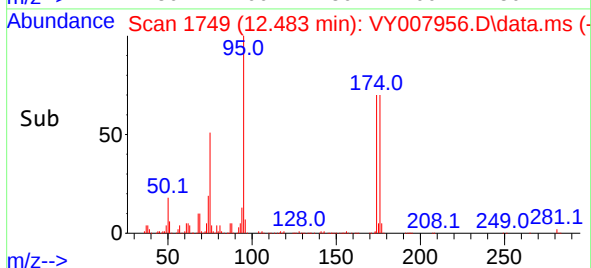
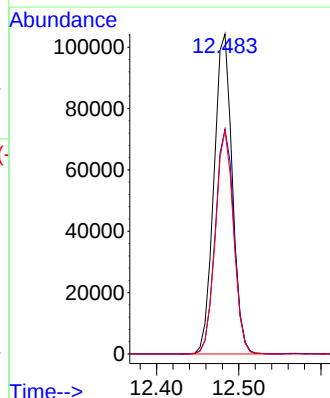
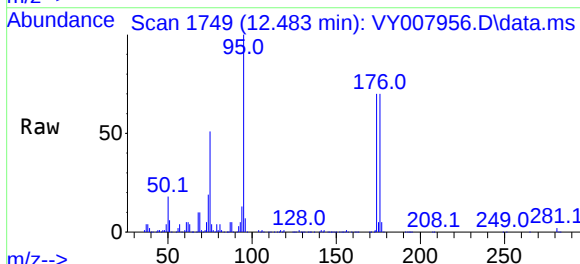
Instrument :
MSVOA_Y
ClientSampleId :
RT4743

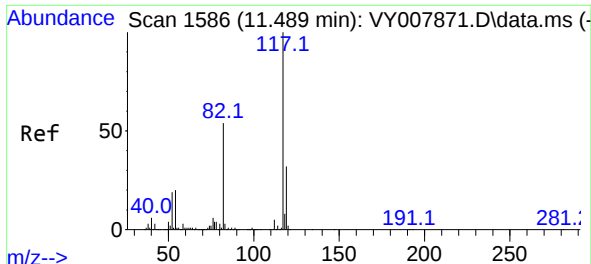
Tgt Ion: 98 Resp: 508323
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 37.999 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Tgt Ion: 95 Resp: 161256
Ion Ratio Lower Upper
95 100
174 71.5 0.0 177.0
176 69.0 0.0 175.8

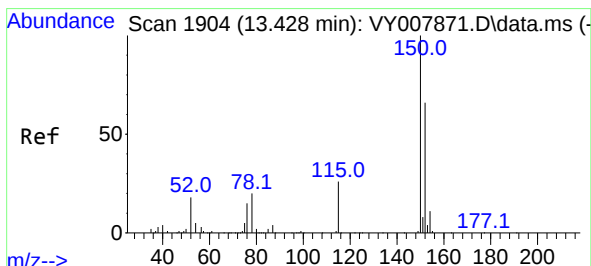
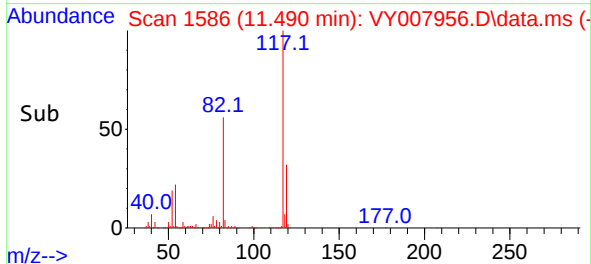
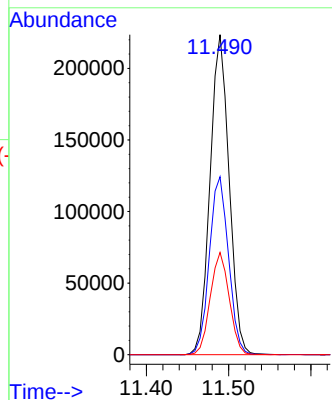
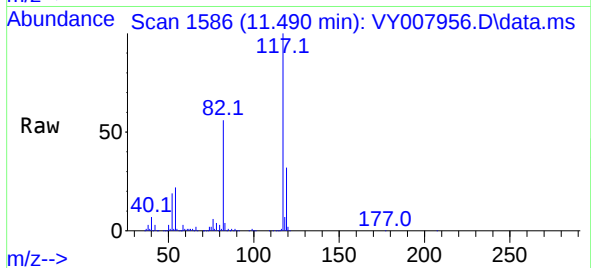




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

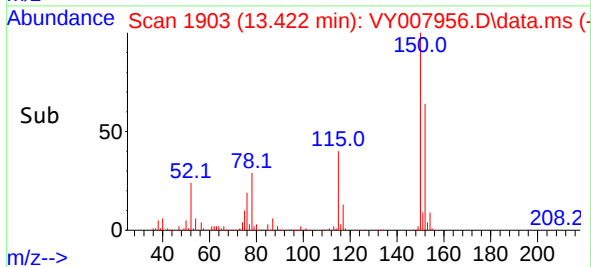
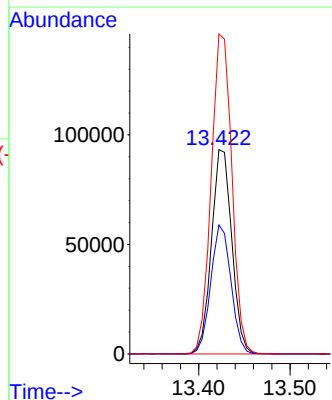
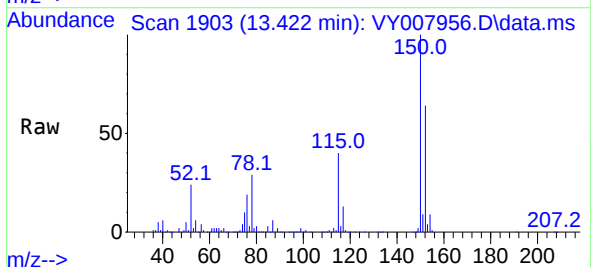
Instrument :
MSVOA_Y
ClientSampleId :
RT4743

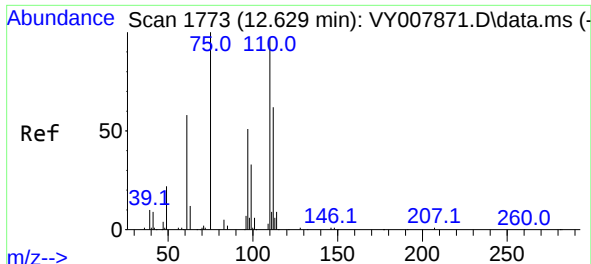
Tgt Ion:117 Resp: 359751
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Tgt Ion:152 Resp: 144308
Ion Ratio Lower Upper
152 100
115 62.7 28.2 84.7
150 159.0 0.0 347.6

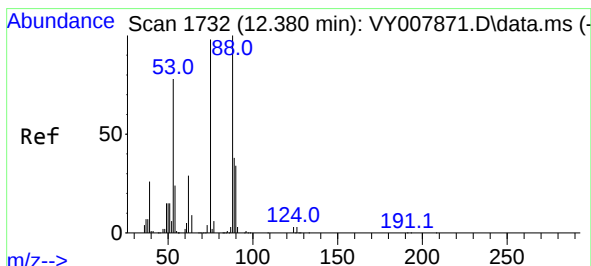
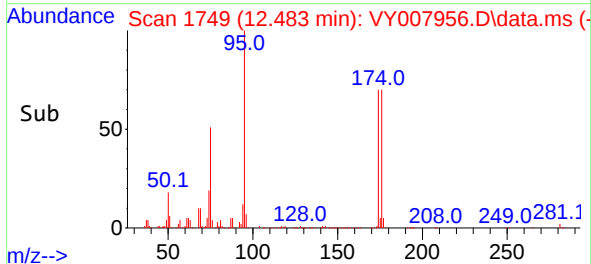
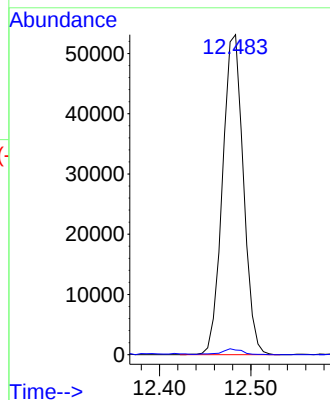
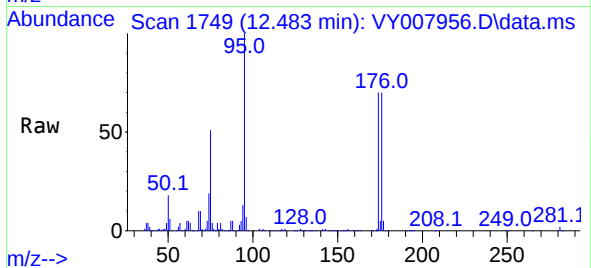




#76
1,2,3-Trichloropropane
Concen: 41.009 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

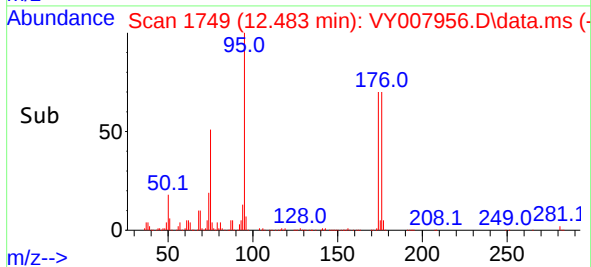
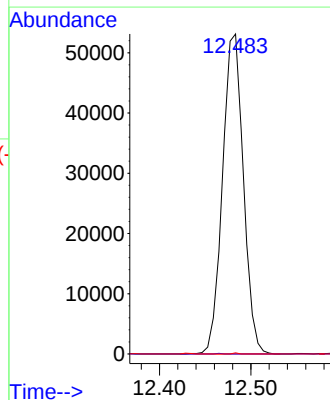
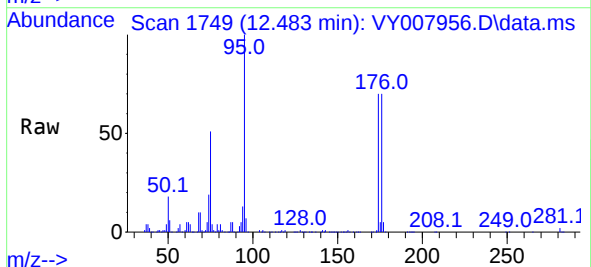
Instrument :
MSVOA_Y
ClientSampleId :
RT4743

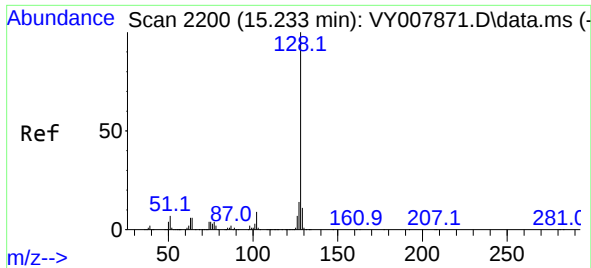
Tgt Ion: 75 Resp: 84350
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.135 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

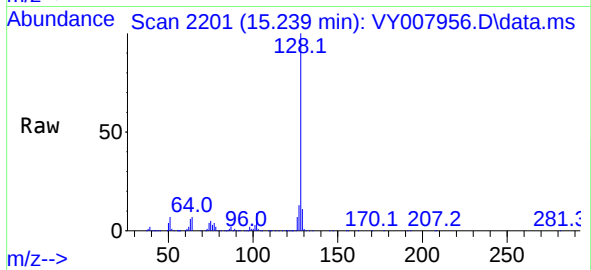
Tgt Ion: 75 Resp: 84350
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 56.289 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY007956.D
Acq: 21 Mar 2022 15:49

Instrument :
MSVOA_Y
ClientSampleId :
RT4743



Tgt Ion:128 Resp: 404815
Ion Ratio Lower Upper
128 100
127 13.0 11.0 16.4
129 11.2 8.4 12.6

