

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093022\
 Data File : VY010756.D
 Acq On : 30 Sep 2022 17:46
 Operator : KP/MD
 Sample : N4909-02RE
 Misc : 7.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 01 06:19:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

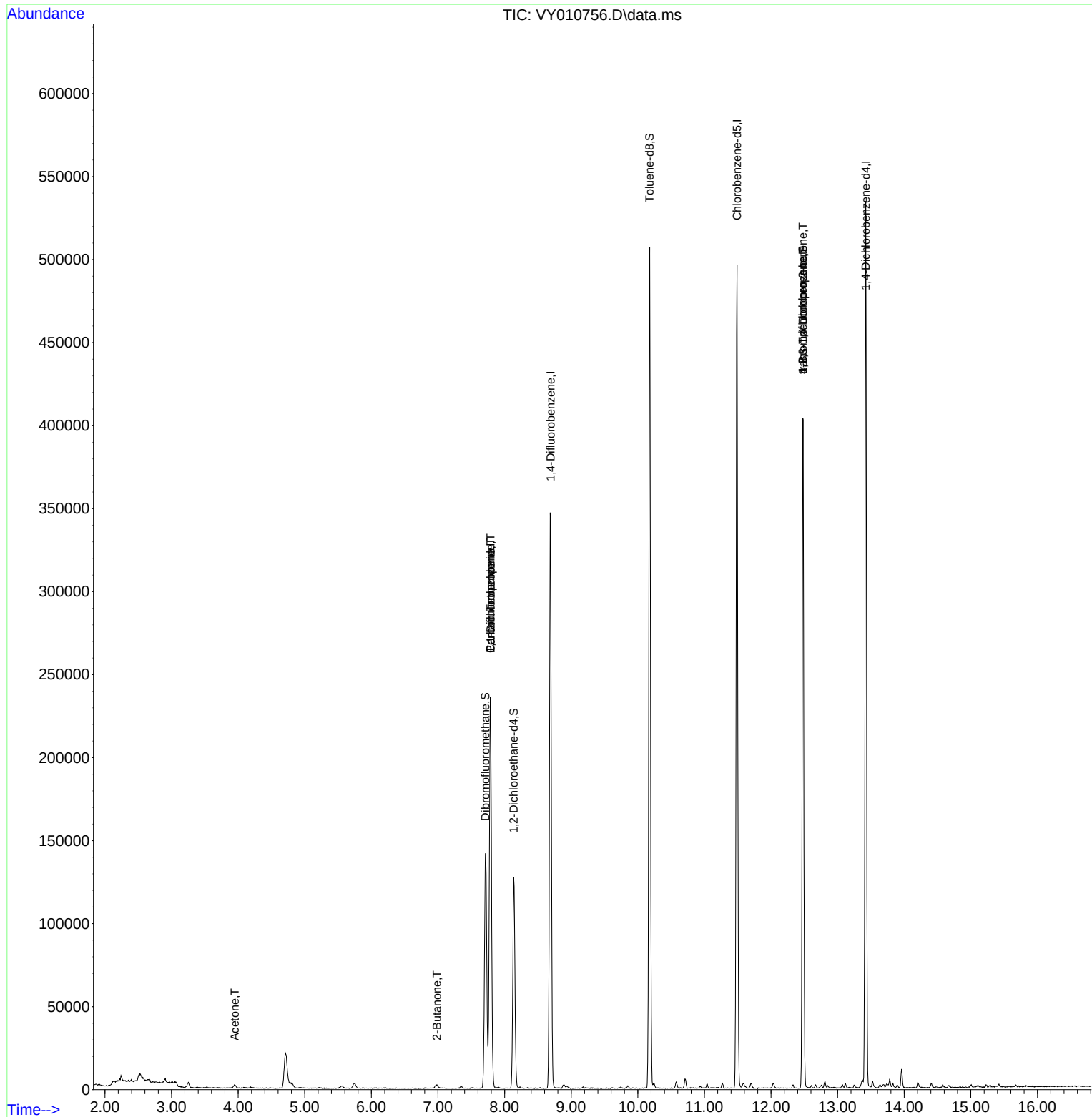
Internal Standards						
1) Pentafluorobenzene	7.789	168	184817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	296912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	98918	55.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.920%	
35) Dibromofluoromethane	7.710	113	100751	53.170	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.340%	
50) Toluene-d8	10.179	98	329691	47.260	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.520%	
62) 4-Bromofluorobenzene	12.477	95	121417	46.529	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.060%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	101	Below Cal	#	43
3) Chloromethane	2.107	50	369	Below Cal	#	87
4) Vinyl Chloride	2.241	62	97	Below Cal	#	1
5) Bromomethane	2.656	94	497	Below Cal		98
11) Tert butyl alcohol	4.948	59	394	Below Cal	#	77
16) Acetone	3.948	43	3257	9.035	ug/l	97
17) Carbon Disulfide	4.186	76	335	Below Cal	#	75
18) Methyl Acetate	4.485	43	82	Below Cal	#	56
20) Methylene Chloride	4.710	84	16922	Below Cal	#	83
25) 2-Butanone	6.984	43	911	1.616	ug/l	# 54
31) Cyclohexane	7.783	56	3976	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13747	6.511	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	18508	7.624	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	62399	48.161	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	62399	107.082	ug/l	# 7

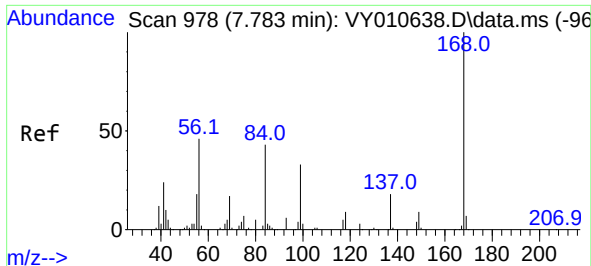
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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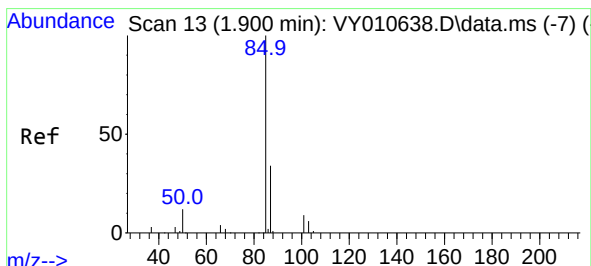
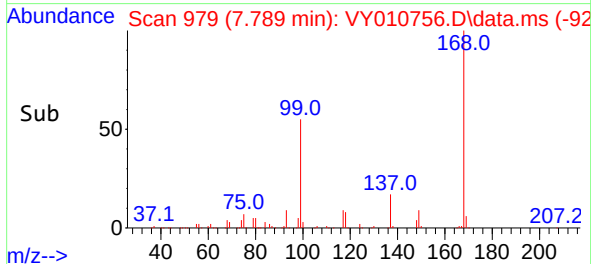
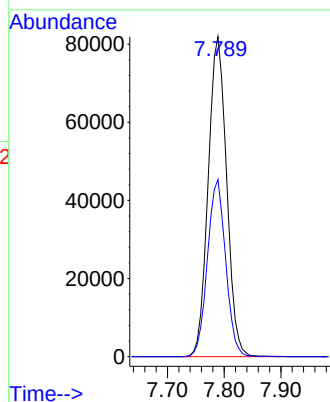
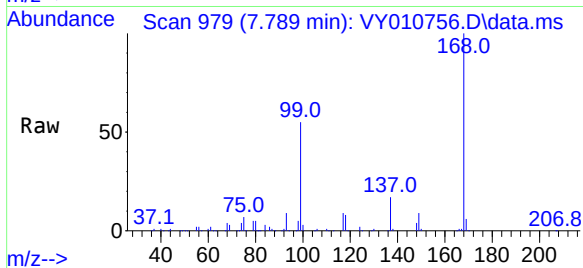




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

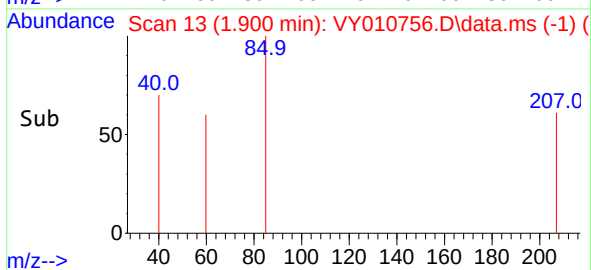
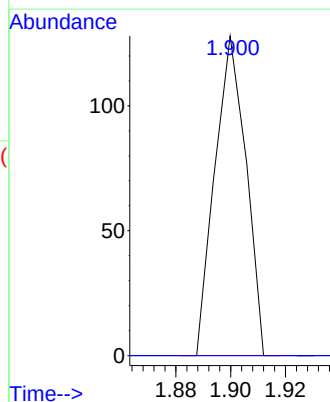
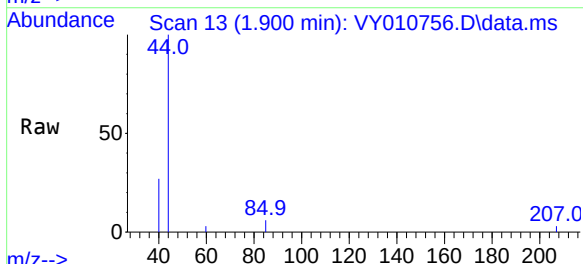
Instrument :
MSVOA_Y
ClientSampleId :

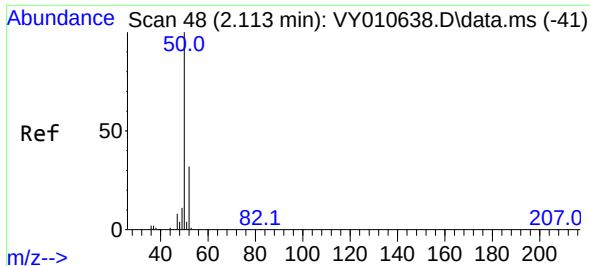
Tgt Ion:168 Resp: 184817
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

Tgt Ion: 85 Resp: 101
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

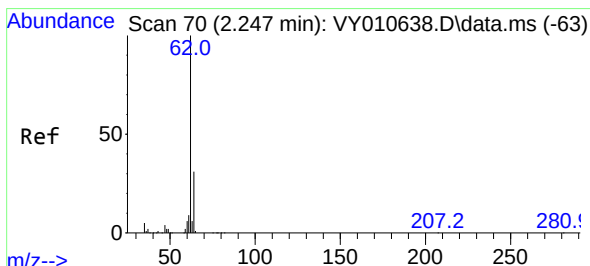
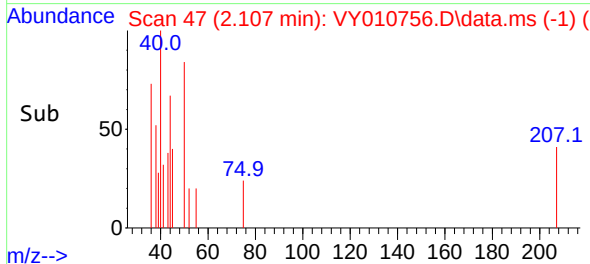
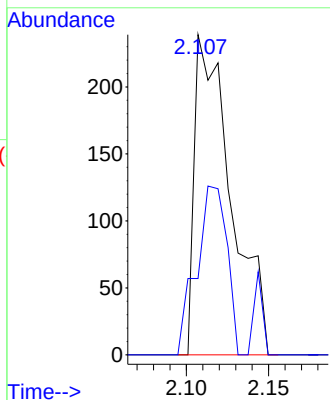
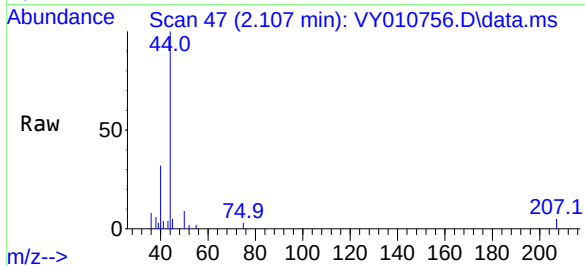




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

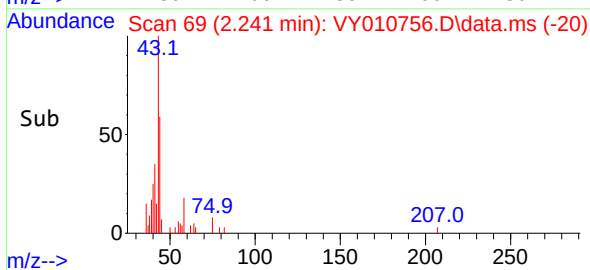
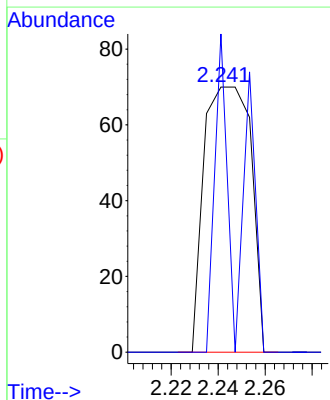
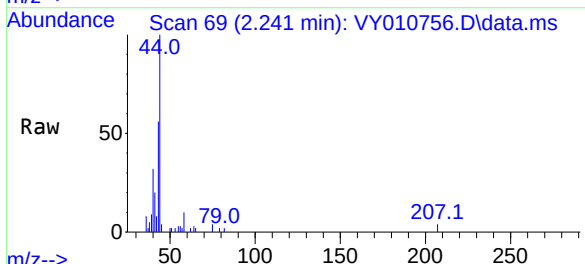
Instrument :
MSVOA_Y
ClientSampleId :

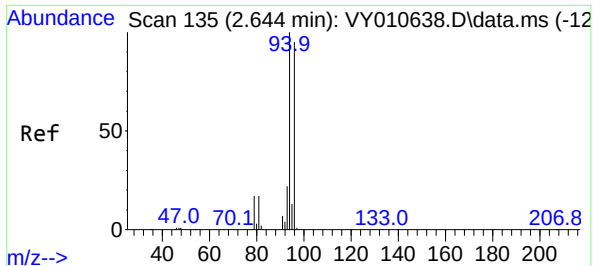
Tgt Ion: 50 Resp: 369
Ion Ratio Lower Upper
50 100
52 23.8 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

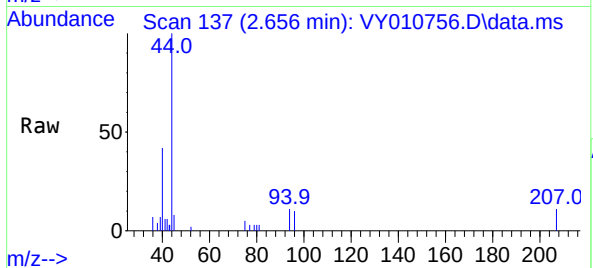
Tgt Ion: 62 Resp: 97
Ion Ratio Lower Upper
62 100
64 120.0 25.0 37.6#



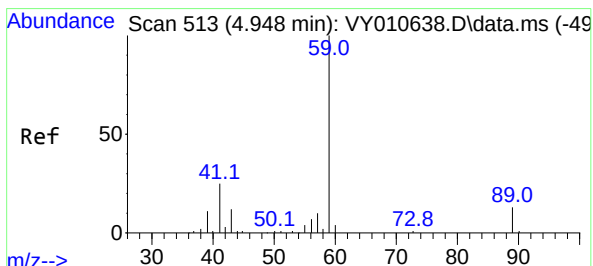
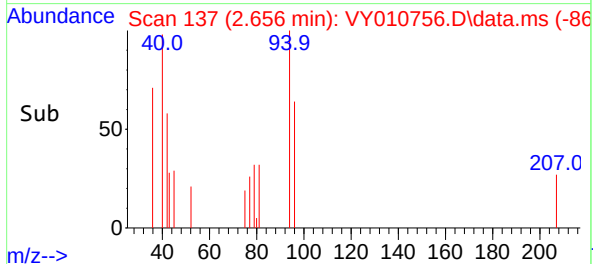
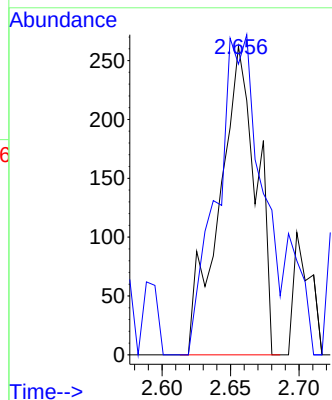


#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

Instrument :
MSVOA_Y
ClientSampleId :

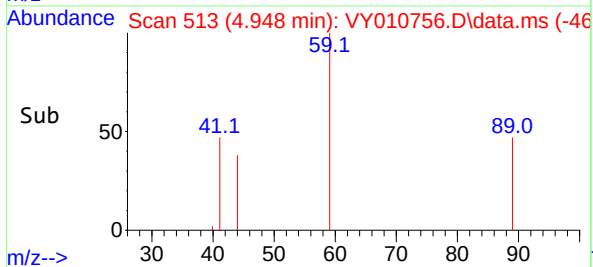
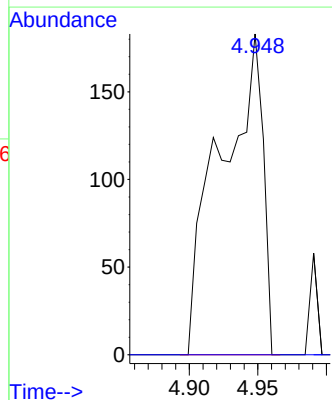
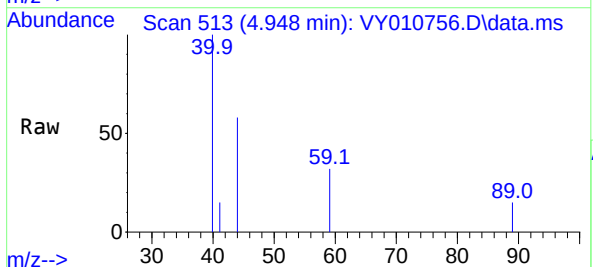


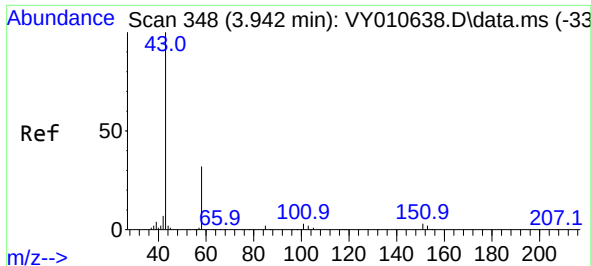
Tgt Ion: 94 Resp: 497
Ion Ratio Lower Upper
94 100
96 94.3 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.006 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

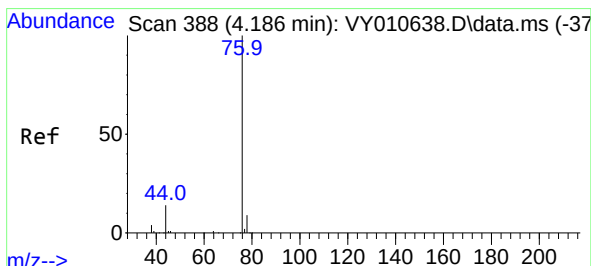
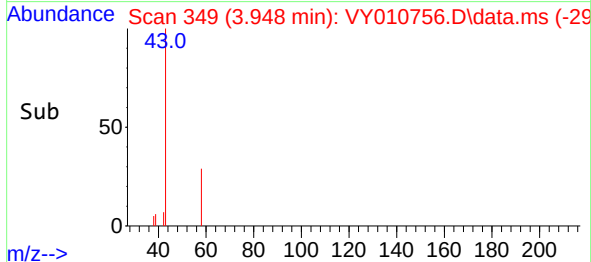
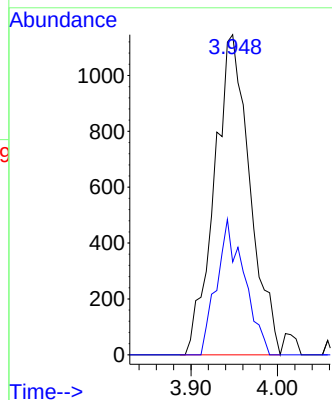
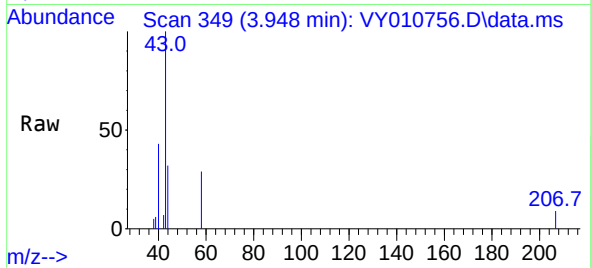




#16
Acetone
Concen: 9.035 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.012 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

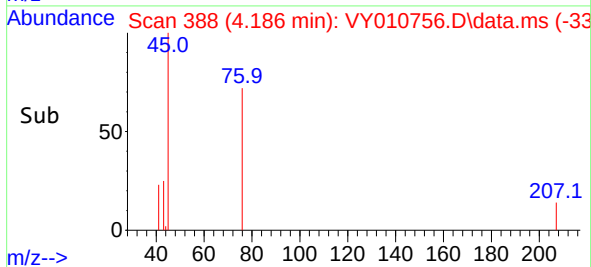
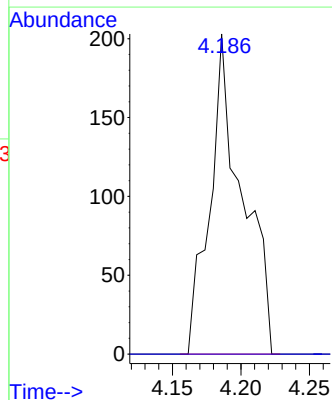
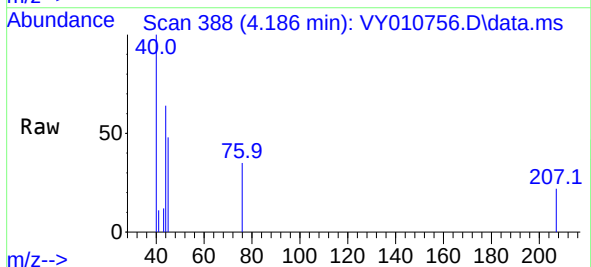
Instrument :
MSVOA_Y
ClientSampleId :

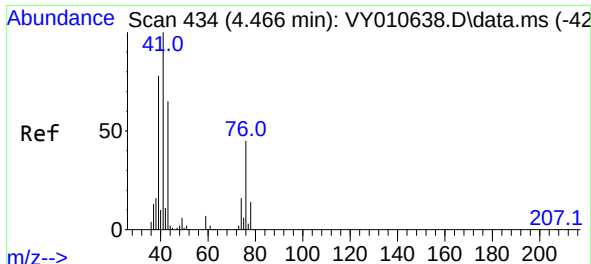
Tgt Ion: 43 Resp: 3257
Ion Ratio Lower Upper
43 100
58 29.0 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

Tgt Ion: 76 Resp: 335
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. 0.019 min

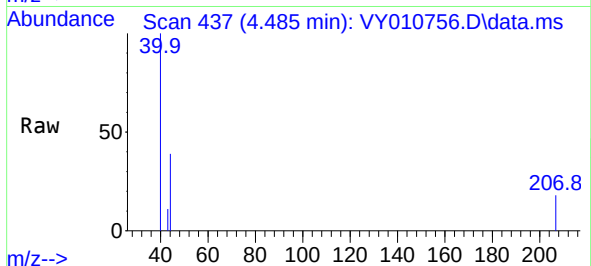
Lab File: VY010756.D

Acq: 30 Sep 2022 17:46

Instrument :

MSVOA_Y

ClientSampleId :

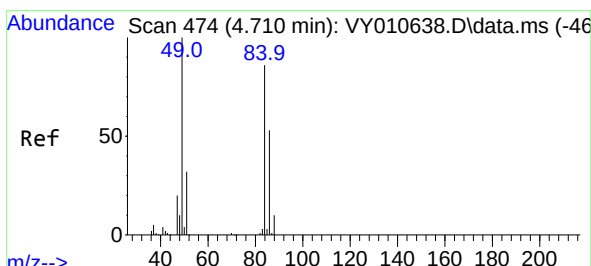
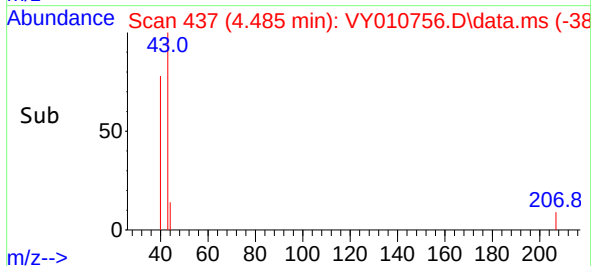
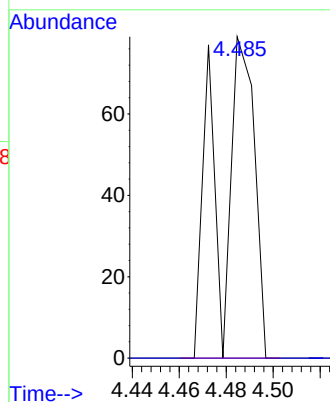


Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY010756.D

Acq: 30 Sep 2022 17:46

Tgt Ion: 84 Resp: 16922

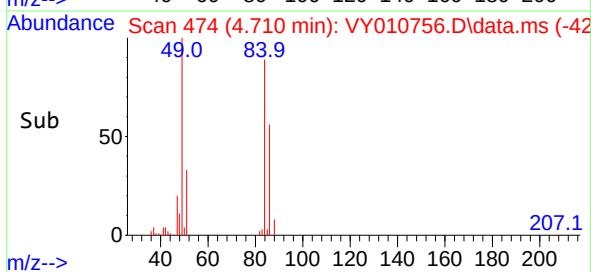
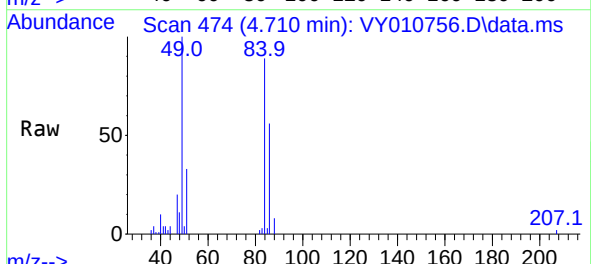
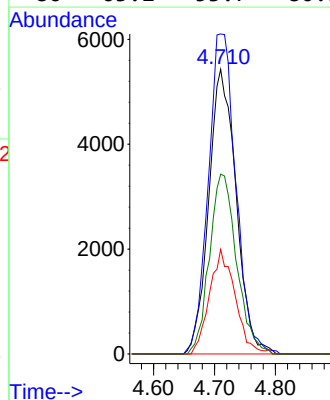
Ion Ratio Lower Upper

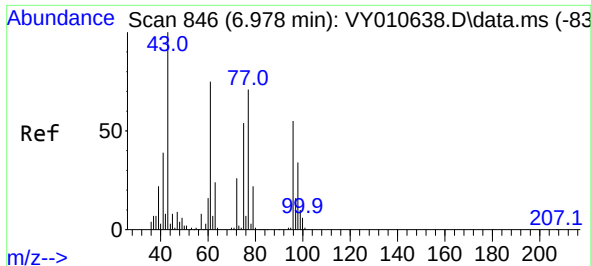
84 100

49 112.4 114.4 171.6#

51 36.7 35.3 52.9

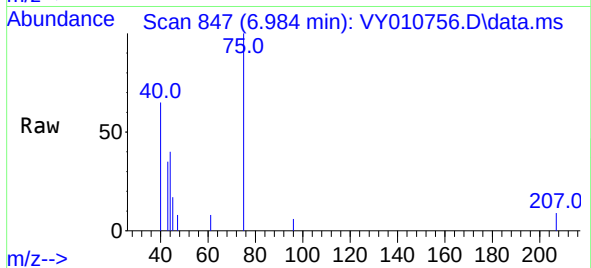
86 63.2 53.7 80.5



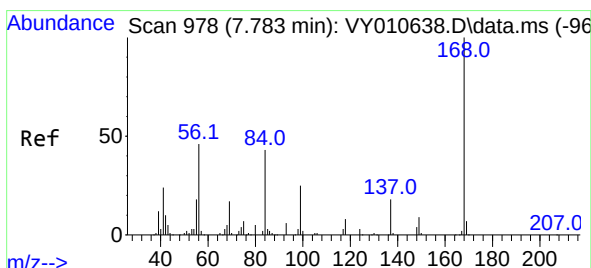
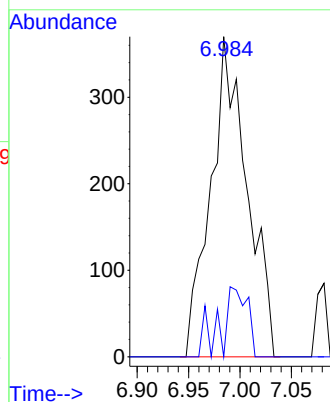
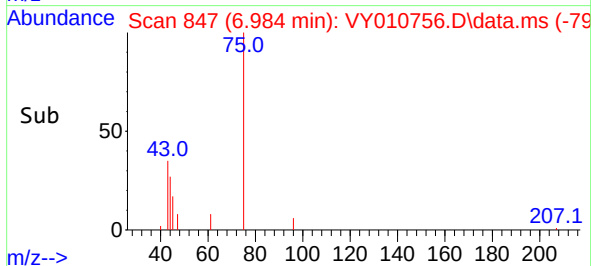


#25
2-Butanone
Concen: 1.616 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

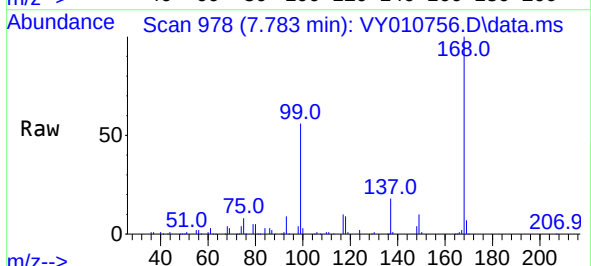
Instrument :
MSVOA_Y
ClientSampleId :



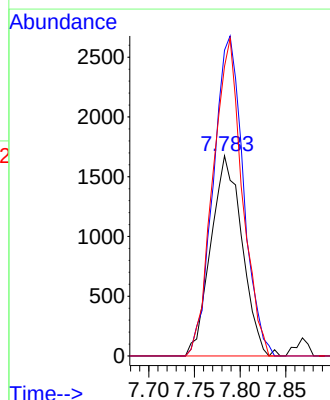
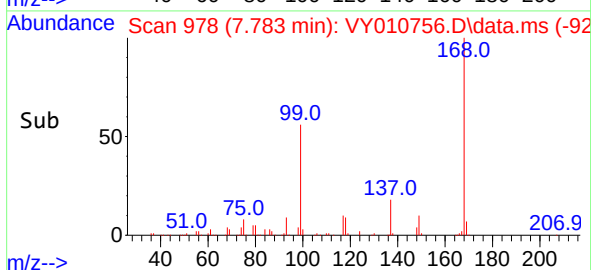
Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

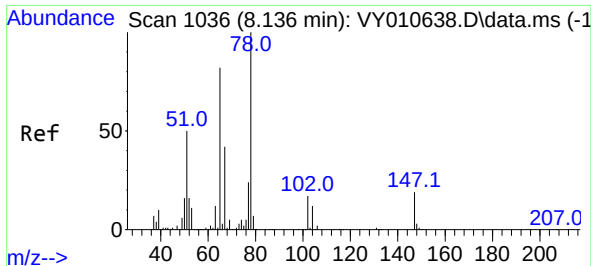


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46



Tgt Ion: 56 Resp: 3976
Ion Ratio Lower Upper
56 100
69 152.8 26.7 40.1#
84 144.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.958 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010756.D

Acq: 30 Sep 2022 17:46

Instrument :

MSVOA_Y

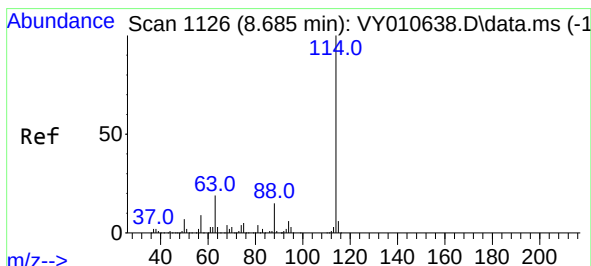
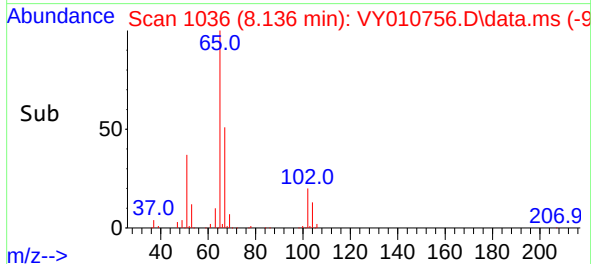
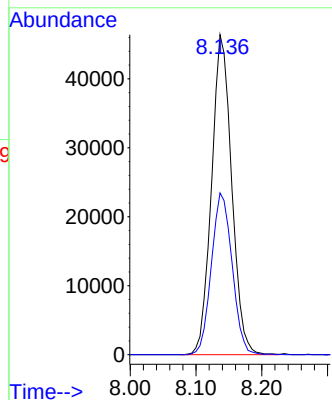
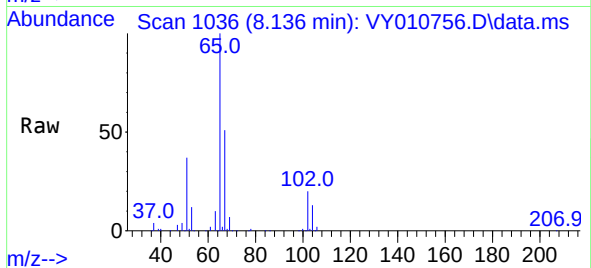
ClientSampleId :

Tgt Ion: 65 Resp: 98918

Ion Ratio Lower Upper

65 100

67 52.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010756.D

Acq: 30 Sep 2022 17:46

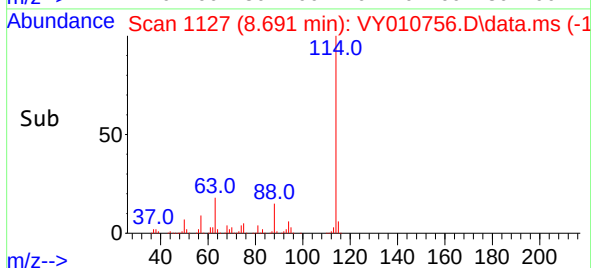
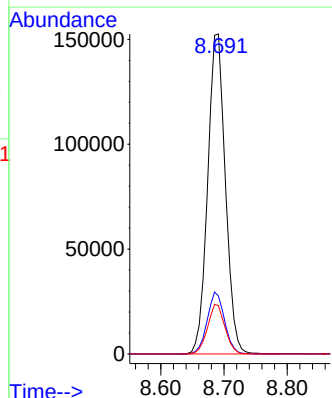
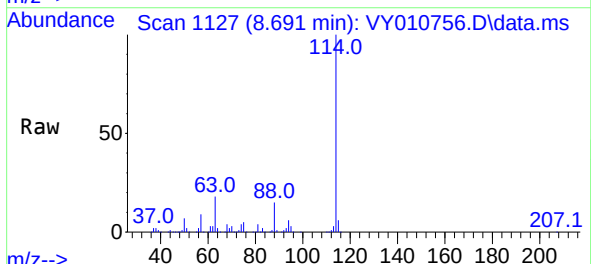
Tgt Ion:114 Resp: 296912

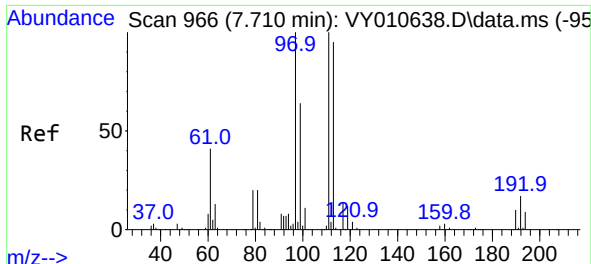
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

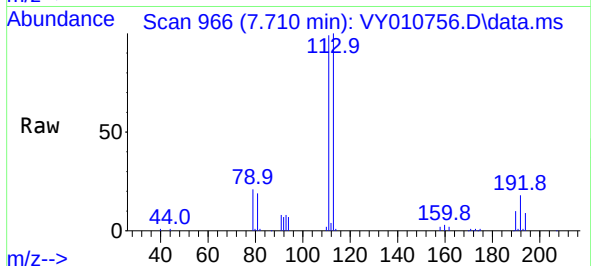
88 15.1 0.0 31.8



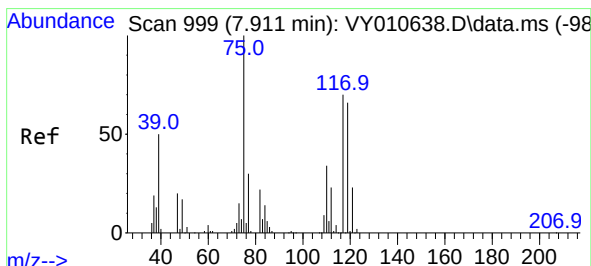
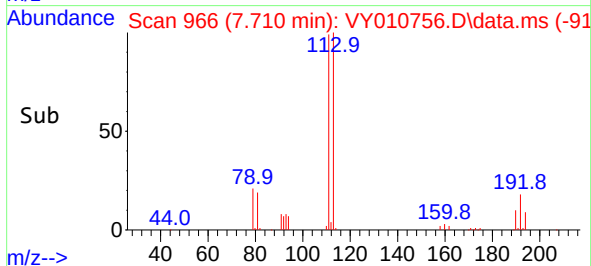
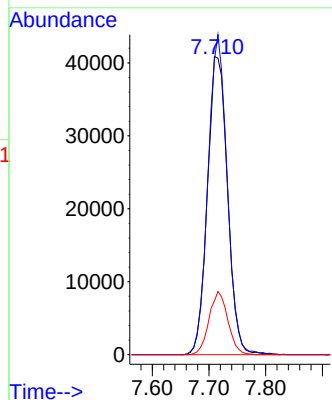


#35
Dibromofluoromethane
Concen: 53.170 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

Instrument :
MSVOA_Y
ClientSampleId :

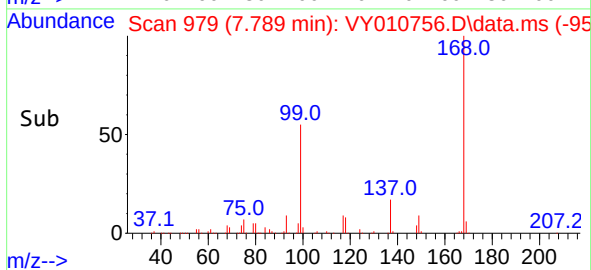
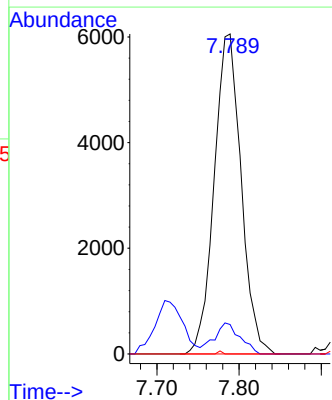
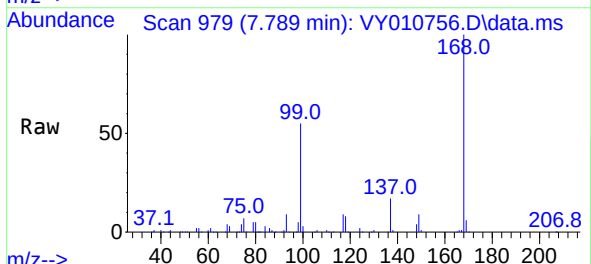


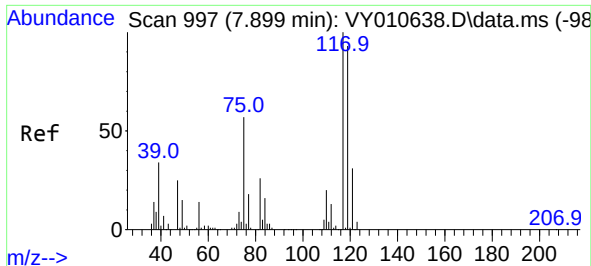
Tgt Ion:113 Resp: 100751
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 19.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.511 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

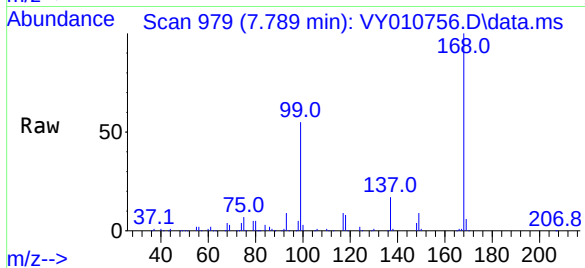
Tgt Ion: 75 Resp: 13747
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.2 24.4 36.6#



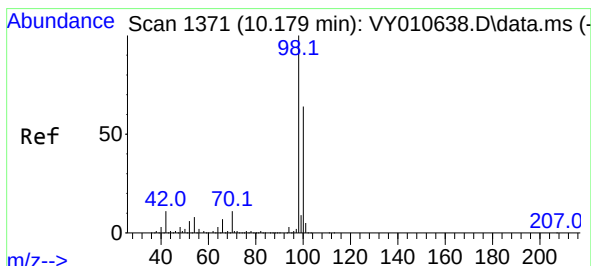
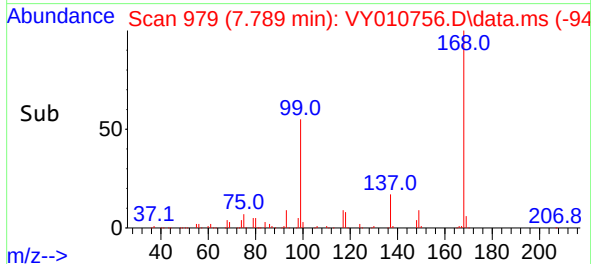
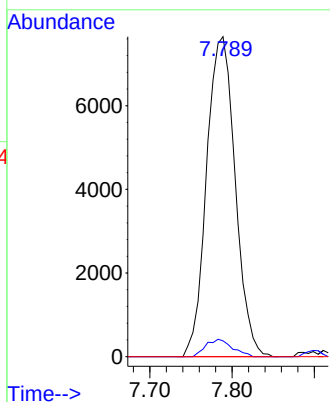


#38
Carbon Tetrachloride
Concen: 7.624 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

Instrument :
MSVOA_Y
ClientSampleId :

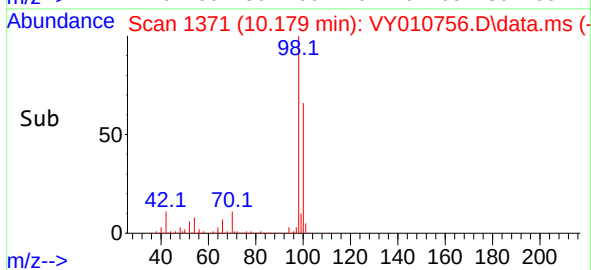
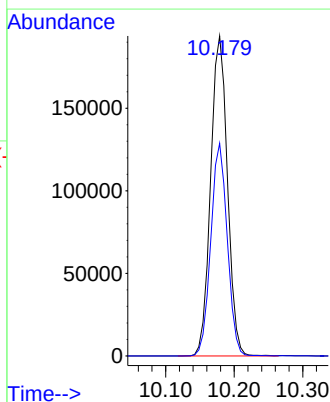
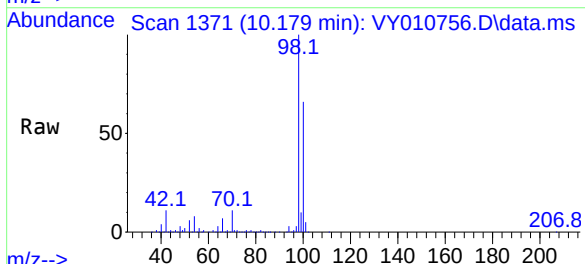


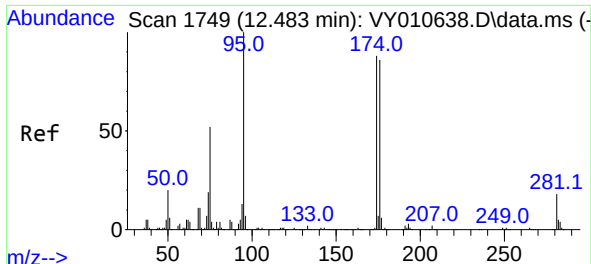
Tgt Ion:117 Resp: 18508
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.260 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

Tgt Ion: 98 Resp: 329691
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

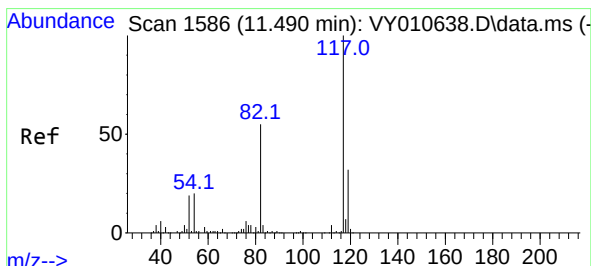
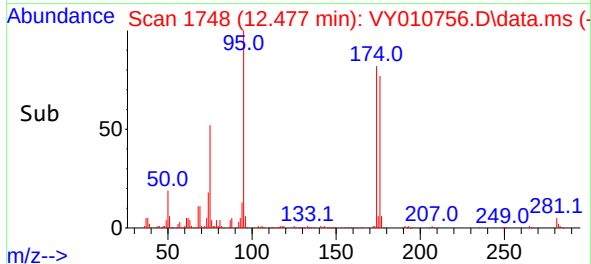
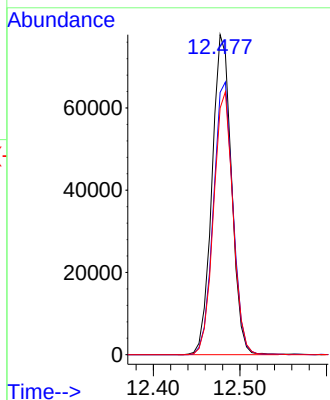
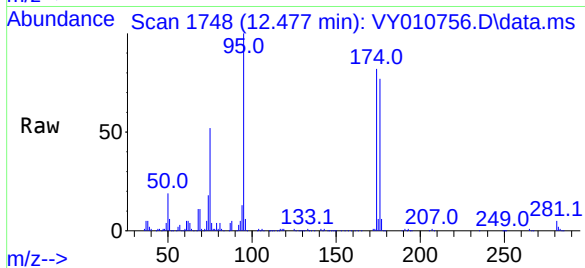




#62
4-Bromofluorobenzene
Concen: 46.529 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

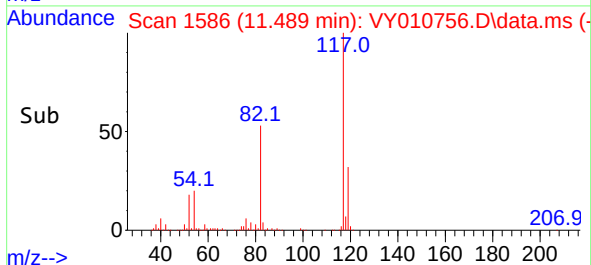
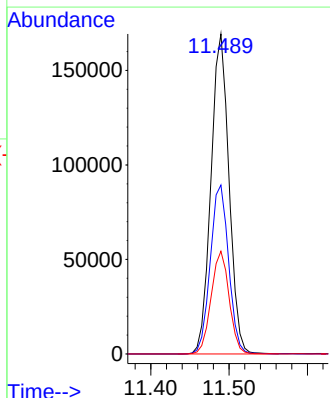
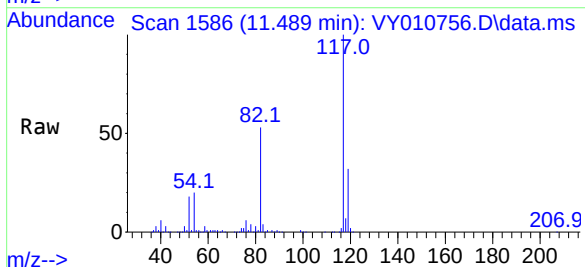
Instrument :
MSVOA_Y
ClientSampleId :

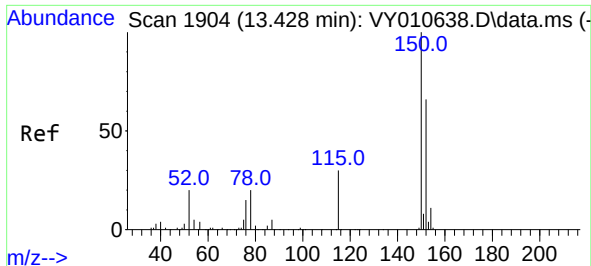
Tgt Ion: 95 Resp: 121417
Ion Ratio Lower Upper
95 100
174 85.3 0.0 177.0
176 82.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

Tgt Ion: 117 Resp: 270977
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 32.1 25.4 38.0

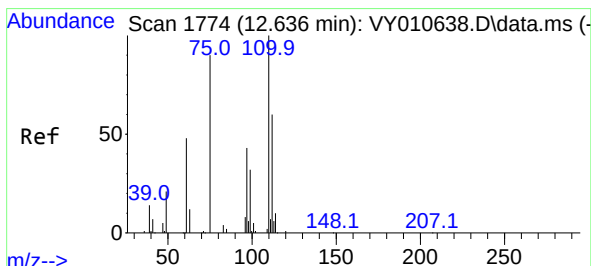
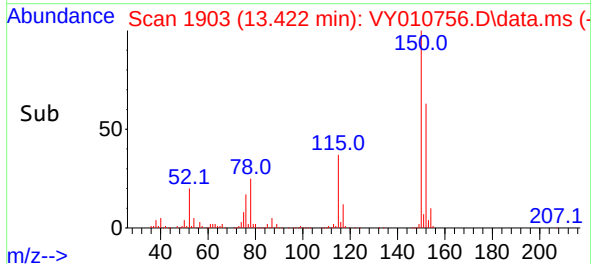
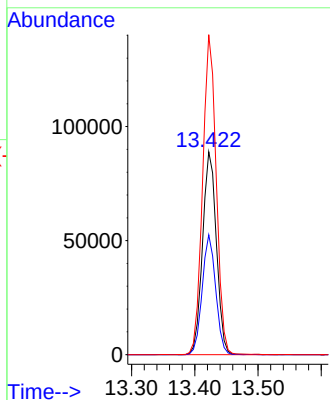
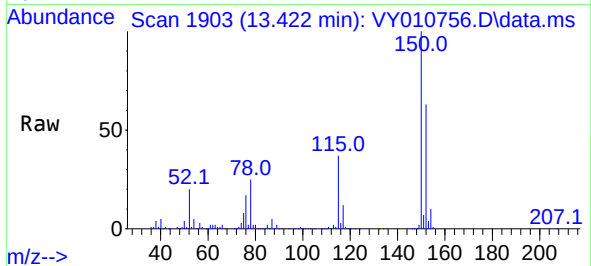




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

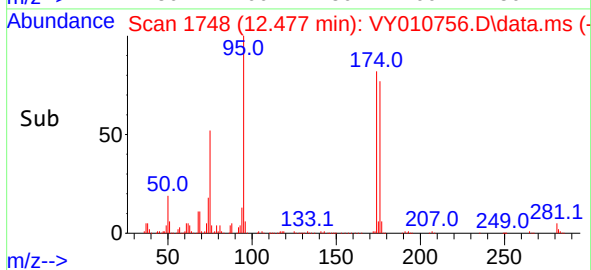
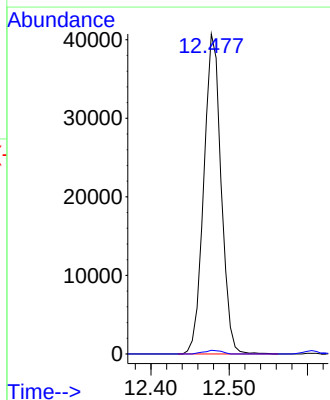
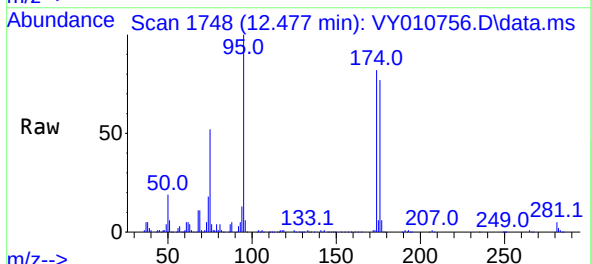
Instrument :
MSVOA_Y
ClientSampleId :

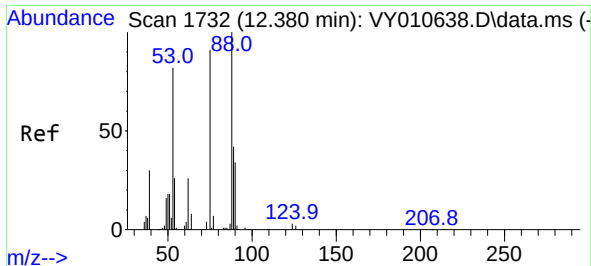
Tgt Ion:152 Resp: 135750
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 155.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 48.161 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010756.D
Acq: 30 Sep 2022 17:46

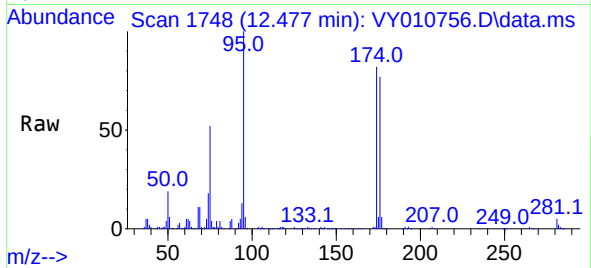
Tgt Ion: 75 Resp: 62399
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.082 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010756.D
 Acq: 30 Sep 2022 17:46

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 62399
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

