

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093022\
 Data File : VY010754.D
 Acq On : 30 Sep 2022 17:01
 Operator : KP/MD
 Sample : N4897-01RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 01 06:19:13 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	244135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	406147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	373876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	190318	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	133127	57.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.020%
35) Dibromofluoromethane	7.715	113	9401	3.627	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	7.260%#
50) Toluene-d8	10.178	98	455544	47.706	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.420%
62) 4-Bromofluorobenzene	12.477	95	171741	48.210	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.420%

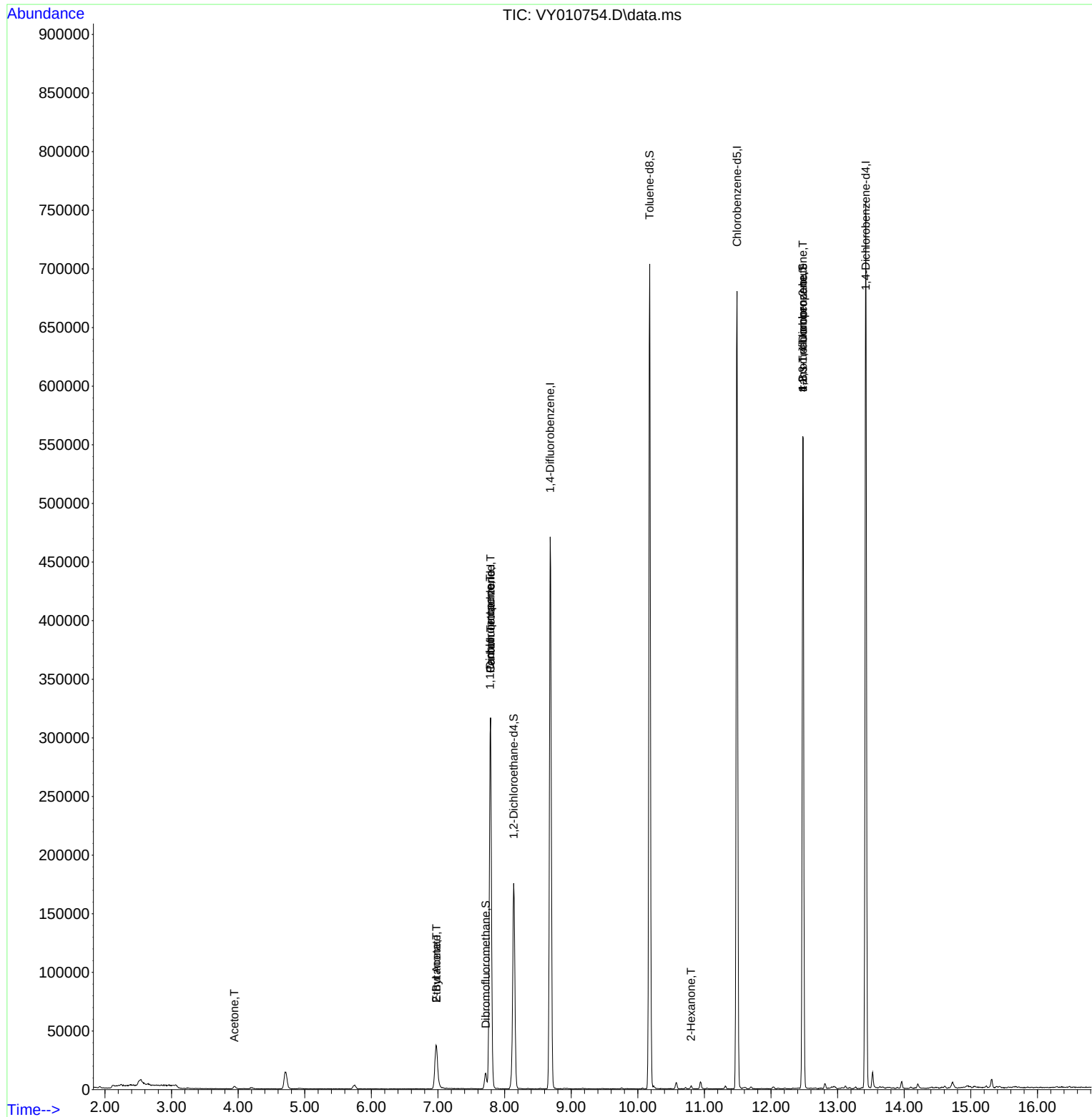
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.918	85	19	Below Cal	#	43
3) Chloromethane	2.113	50	446	Below Cal		94
4) Vinyl Chloride	2.253	62	19	Below Cal	#	43
5) Bromomethane	2.649	94	404	Below Cal		82
11) Tert butyl alcohol	4.936	59	1114	Below Cal	#	77
16) Acetone	3.942	43	3685	7.739	ug/l	98
17) Carbon Disulfide	4.180	76	248	Below Cal	#	75
18) Methyl Acetate	4.265	43	19	Below Cal	#	56
20) Methylene Chloride	4.716	84	11581	Below Cal	#	83
25) 2-Butanone	6.978	43	2955	3.967	ug/l #	86
31) Cyclohexane	7.789	56	4874	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	18357	6.356	ug/l #	52
37) Ethyl Acetate	6.978	43	2955	1.771	ug/l #	11
38) Carbon Tetrachloride	7.789	117	23905	7.199	ug/l #	15
59) 2-Hexanone	10.800	43	1908	1.631	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	88622	48.788	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	88622	108.478	ug/l #	7

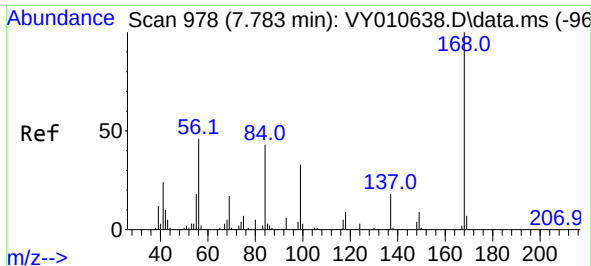
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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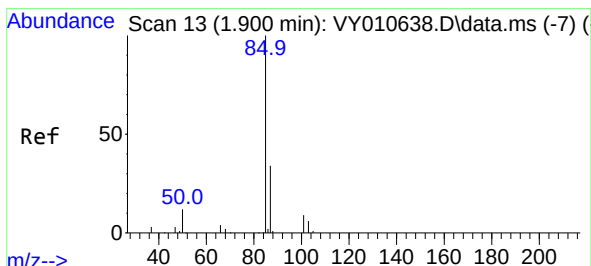
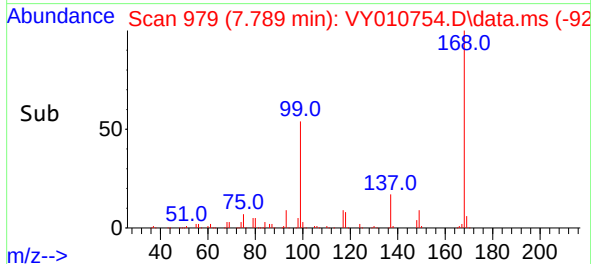
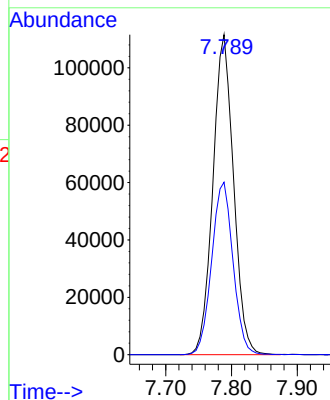
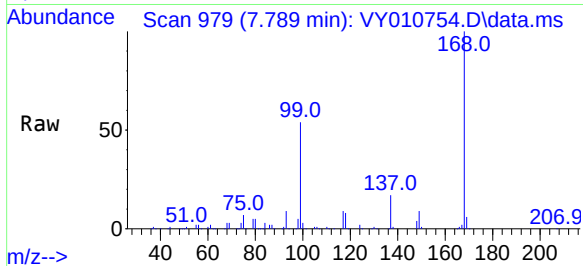




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

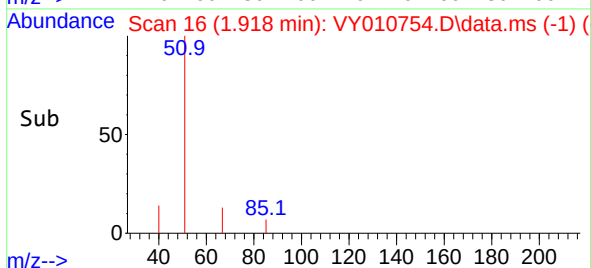
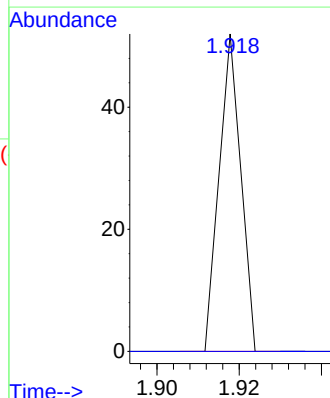
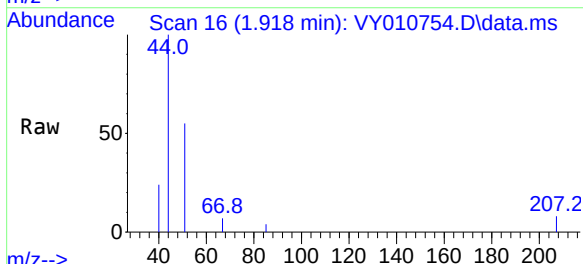
Instrument :
MSVOA_Y
ClientSampleId :

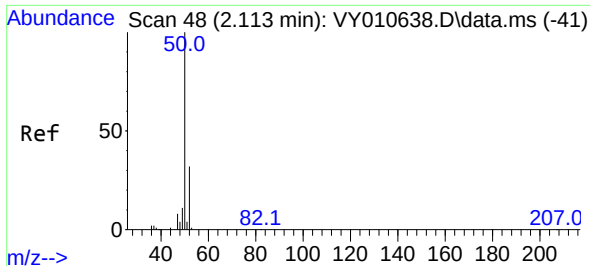
Tgt Ion:168 Resp: 244135
Ion Ratio Lower Upper
168 100
99 53.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.918 min Scan# 16
Delta R.T. 0.018 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

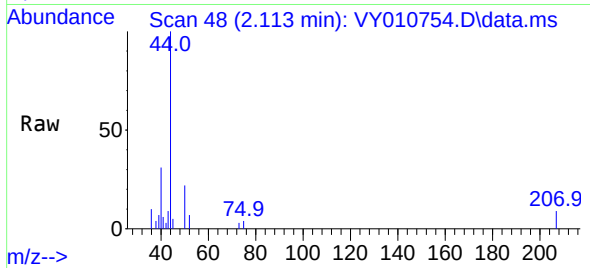
Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



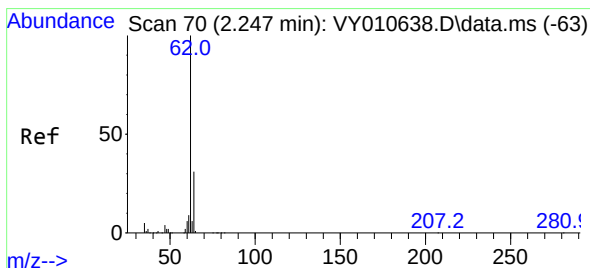
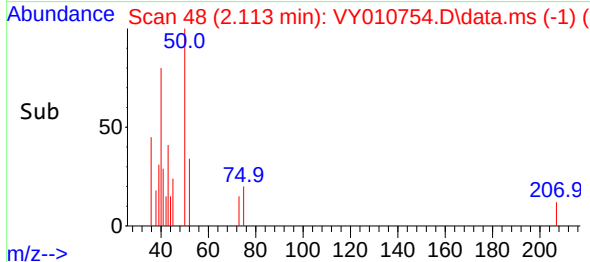
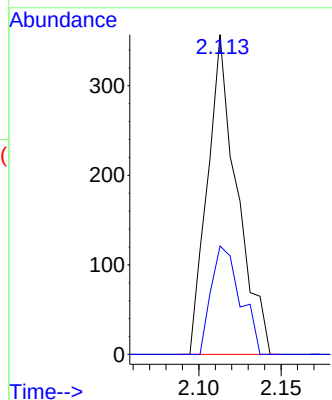


#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :

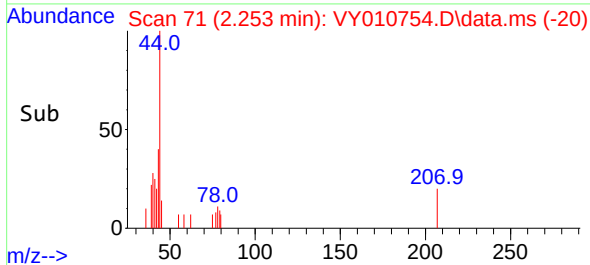
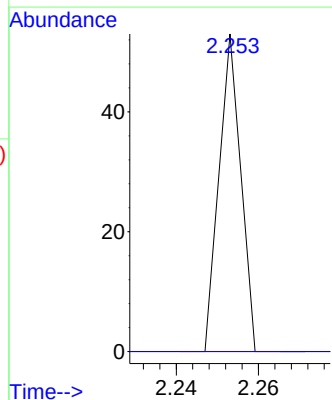
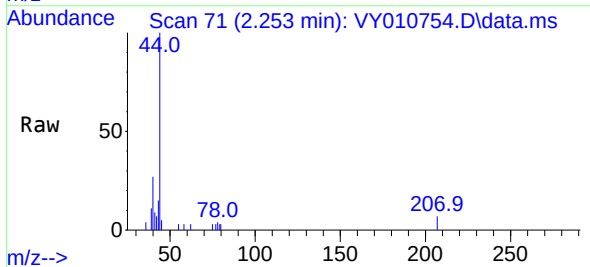


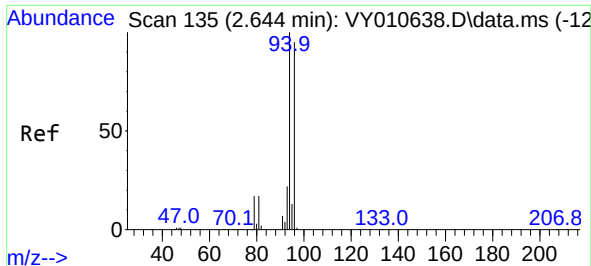
Tgt Ion: 50 Resp: 446
Ion Ratio Lower Upper
50 100
52 33.9 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.012 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

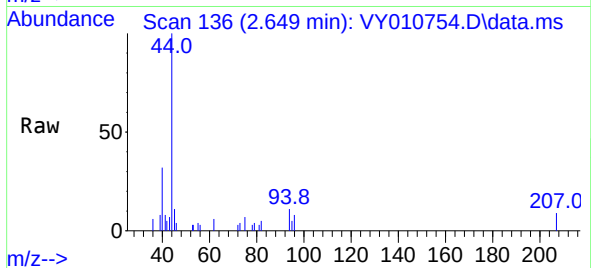
Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



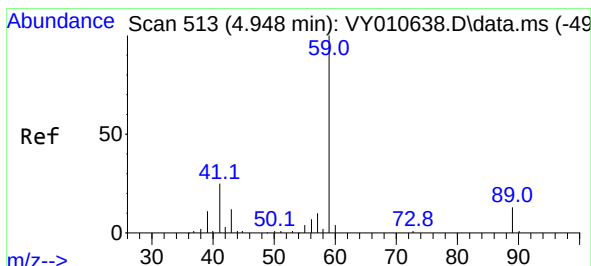
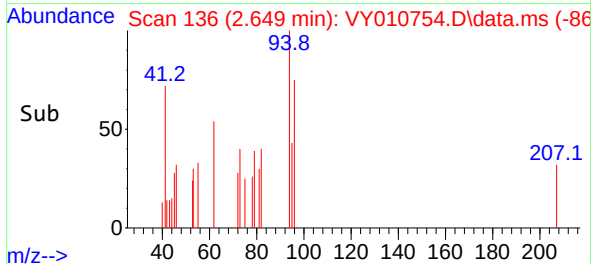
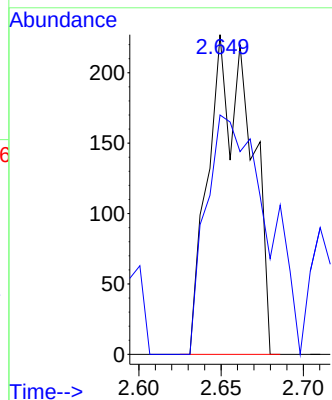


#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :

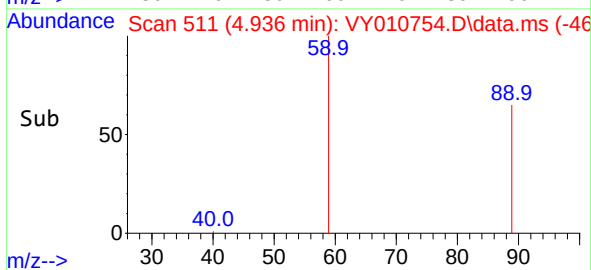
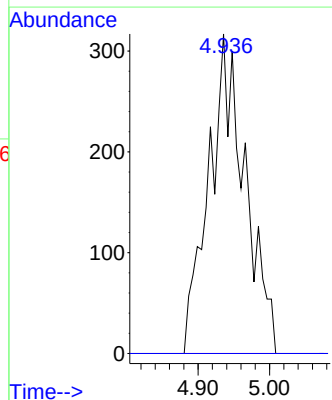
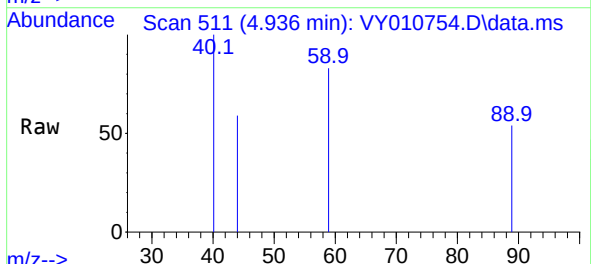


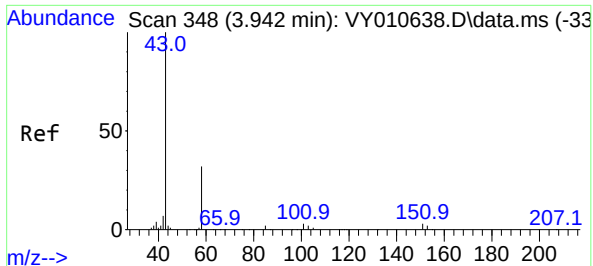
Tgt Ion: 94 Resp: 404
Ion Ratio Lower Upper
94 100
96 74.9 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

Tgt Ion: 59 Resp: 1114
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

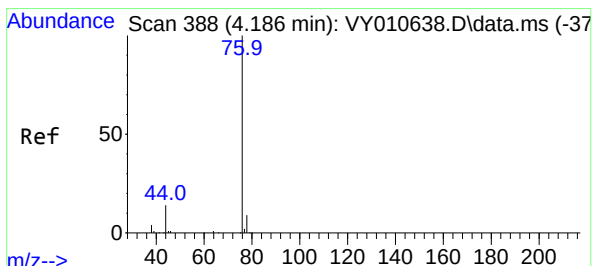
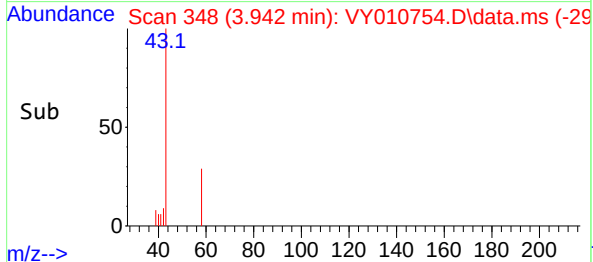
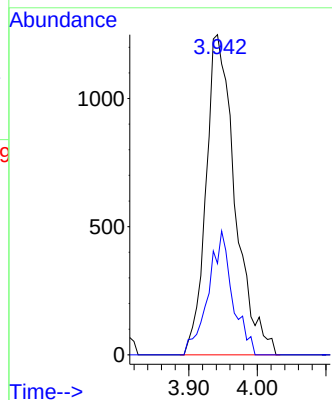
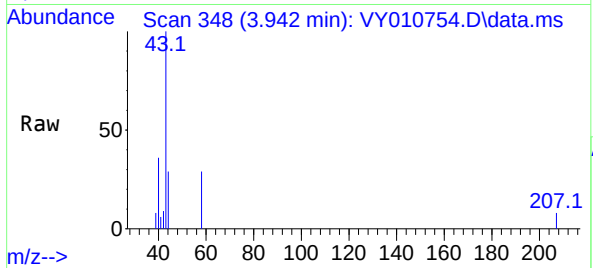




#16
Acetone
Concen: 7.739 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

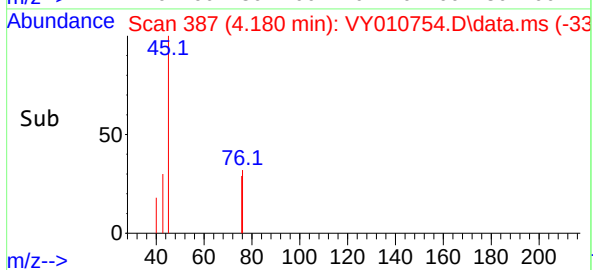
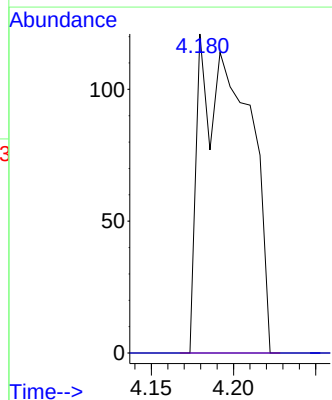
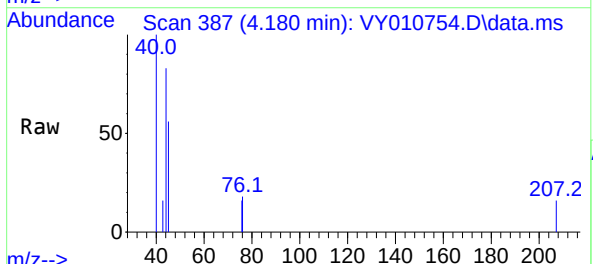
Instrument :
MSVOA_Y
ClientSampleId :

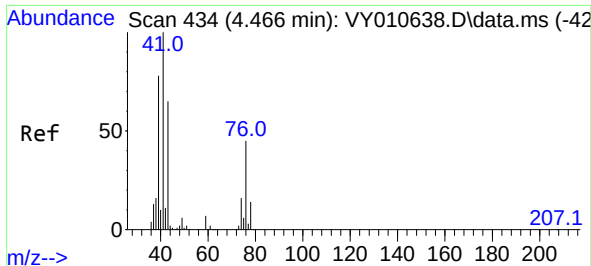
Tgt Ion: 43 Resp: 3685
Ion Ratio Lower Upper
43 100
58 28.5 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 387
Delta R.T. -0.000 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

Tgt Ion: 76 Resp: 248
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.265 min Scan# 401

Delta R.T. -0.201 min

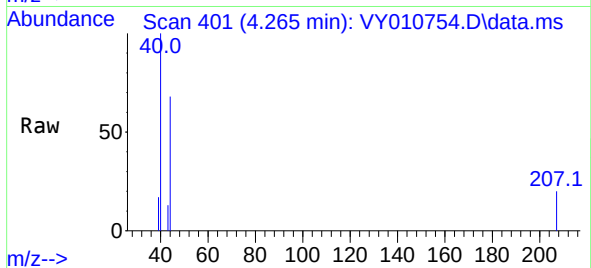
Lab File: VY010754.D

Acq: 30 Sep 2022 17:01

Instrument :

MSVOA_Y

ClientSampleId :

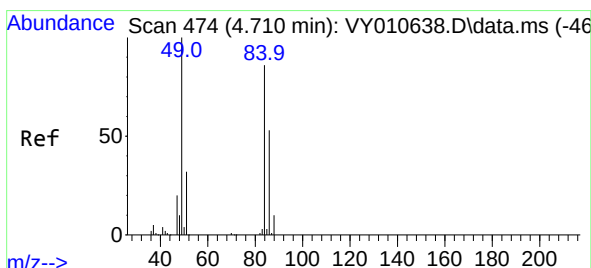
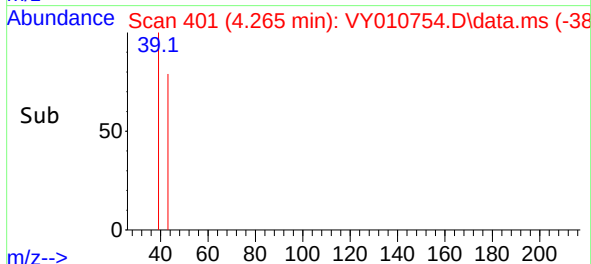
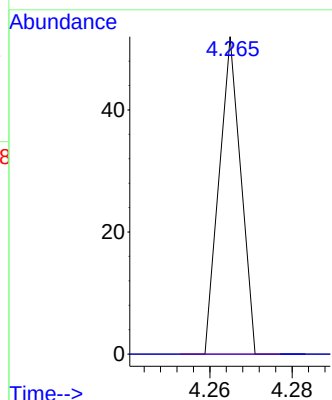


Tgt Ion: 43 Resp: 19

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY010754.D

Acq: 30 Sep 2022 17:01

Tgt Ion: 84 Resp: 11581

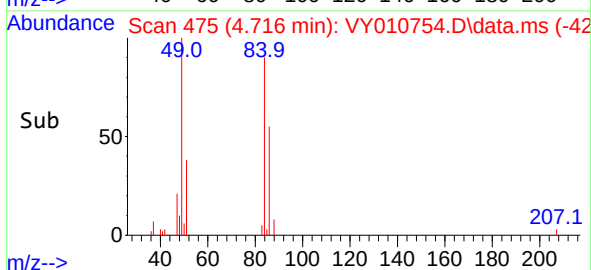
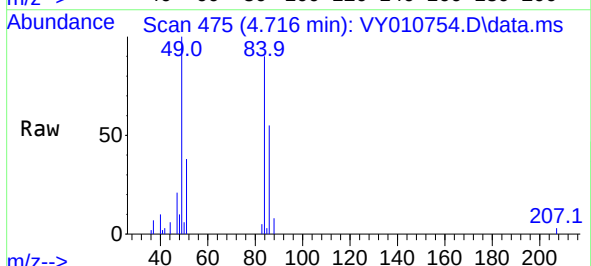
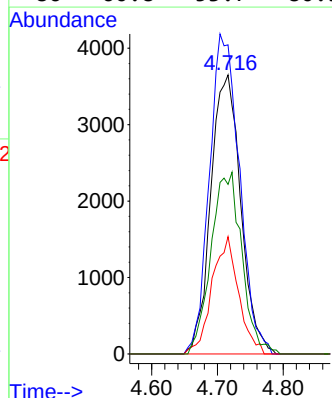
Ion Ratio Lower Upper

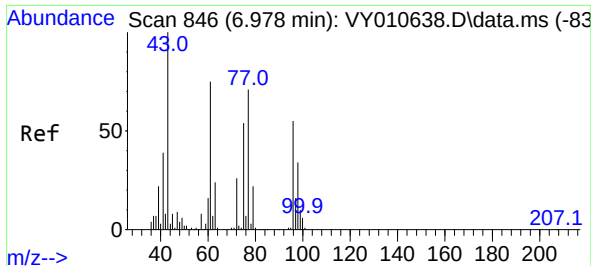
84 100

49 110.8 114.4 171.6#

51 42.0 35.3 52.9

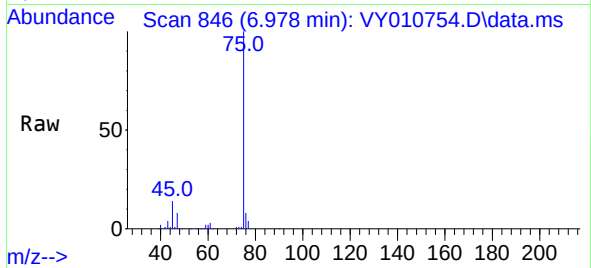
86 60.8 53.7 80.5



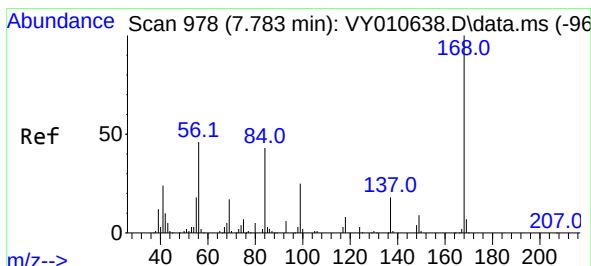
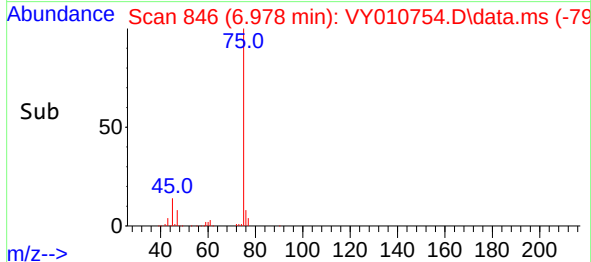
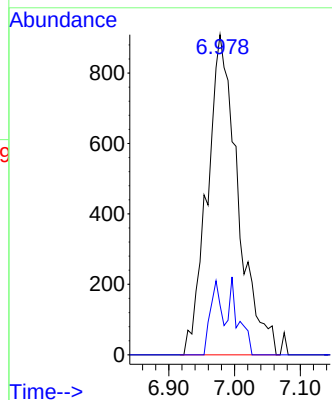


#25
2-Butanone
Concen: 3.967 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :

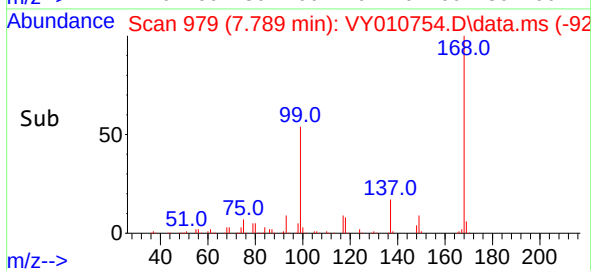
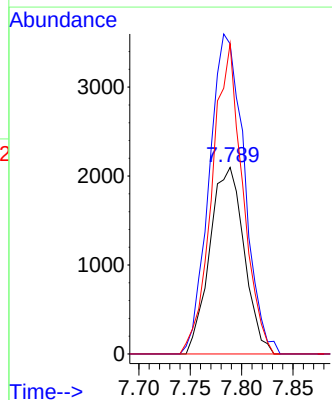
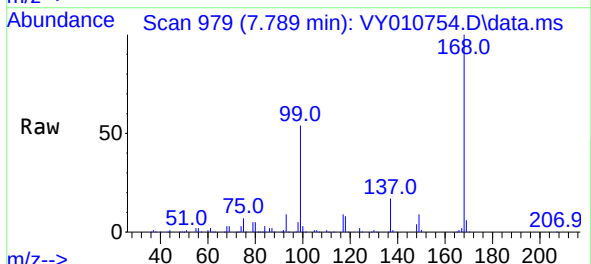


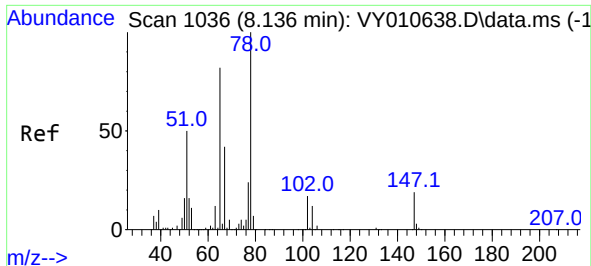
Tgt Ion: 43 Resp: 2955
Ion Ratio Lower Upper
43 100
72 15.5 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

Tgt Ion: 56 Resp: 4874
Ion Ratio Lower Upper
56 100
69 166.2 26.7 40.1#
84 166.3 67.2 100.8#

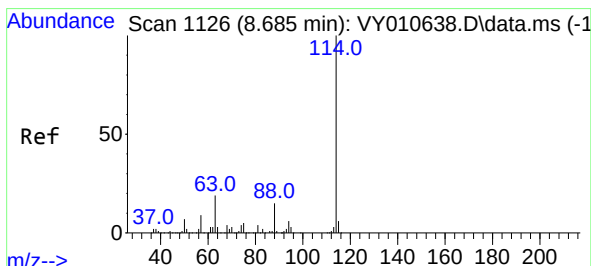
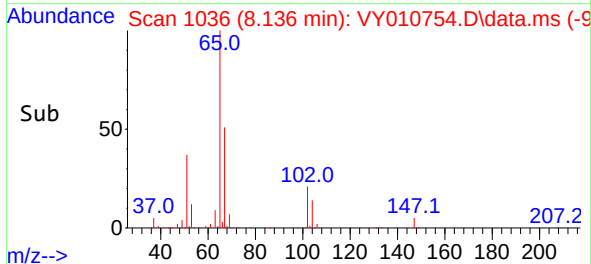
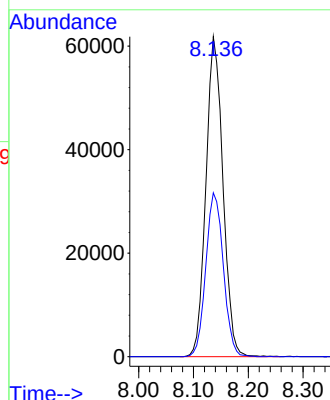
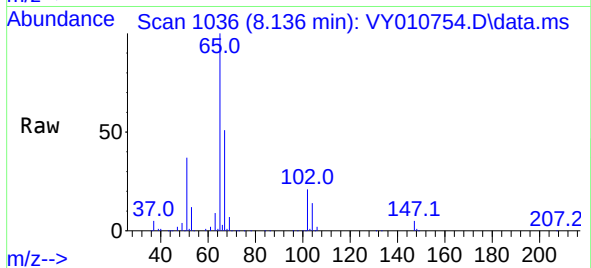




#33
 1,2-Dichloroethane-d4
 Concen: 57.011 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.001 min
 Lab File: VY010754.D
 Acq: 30 Sep 2022 17:01

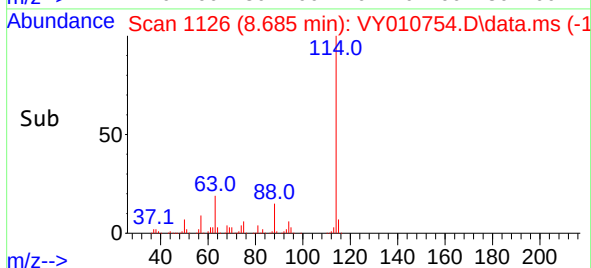
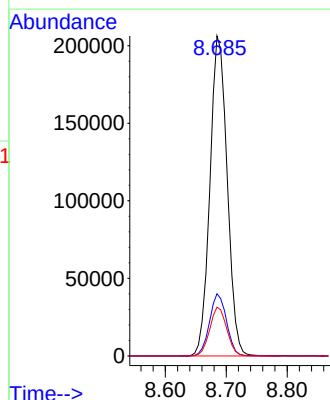
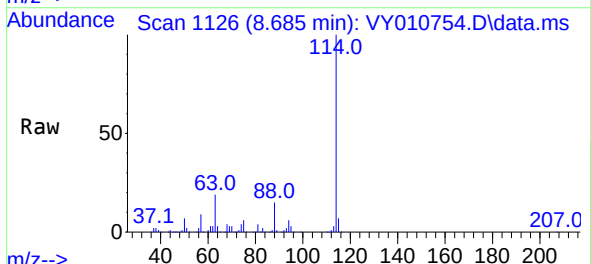
Instrument :
 MSVOA_Y
 ClientSampleId :

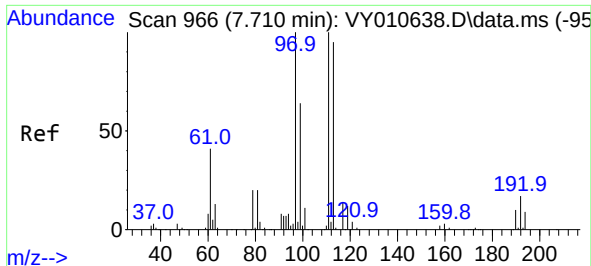
Tgt Ion: 65 Resp: 133127
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY010754.D
 Acq: 30 Sep 2022 17:01

Tgt Ion:114 Resp: 406147
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 43.2
 88 15.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 3.627 ug/l

RT: 7.715 min Scan# 9

Delta R.T. 0.005 min

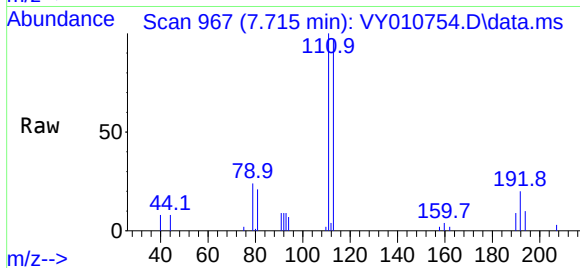
Lab File: VY010754.D

Acq: 30 Sep 2022 17:01

Instrument :

MSVOA_Y

ClientSampleId :



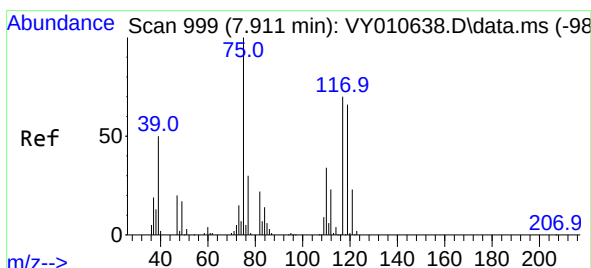
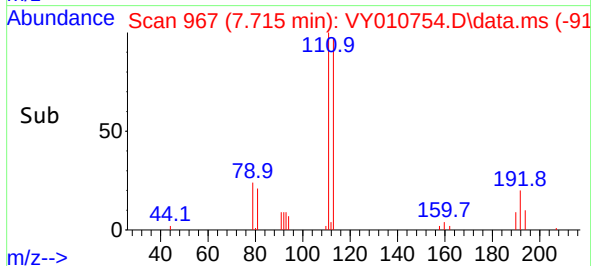
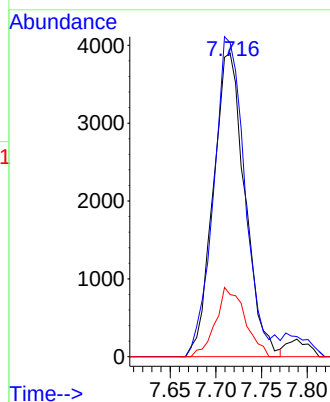
Tgt Ion:113 Resp: 9401

Ion Ratio Lower Upper

113 100

111 104.6 82.6 124.0

192 21.1 17.6 26.4



#36

1,1-Dichloropropene

Concen: 6.356 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY010754.D

Acq: 30 Sep 2022 17:01

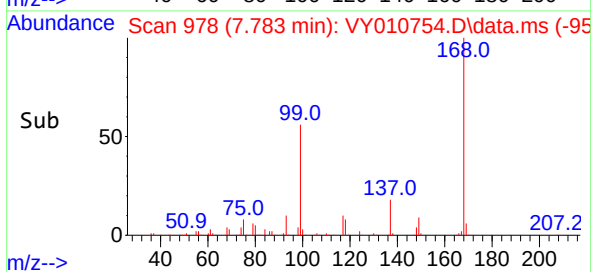
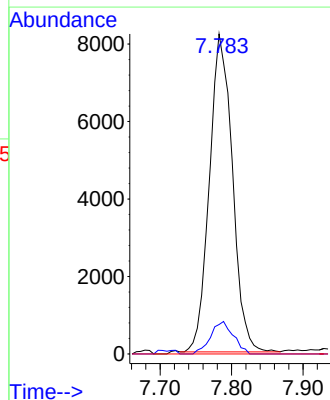
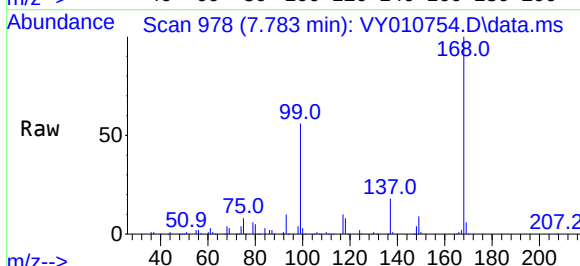
Tgt Ion: 75 Resp: 18357

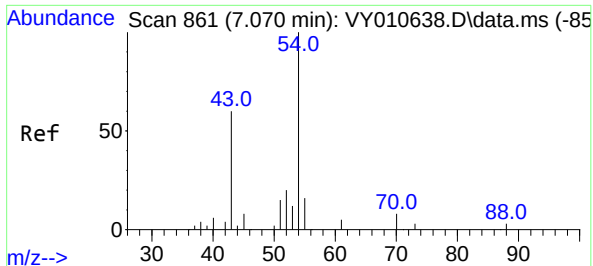
Ion Ratio Lower Upper

75 100

110 10.1 17.1 51.2#

77 0.0 24.4 36.6#

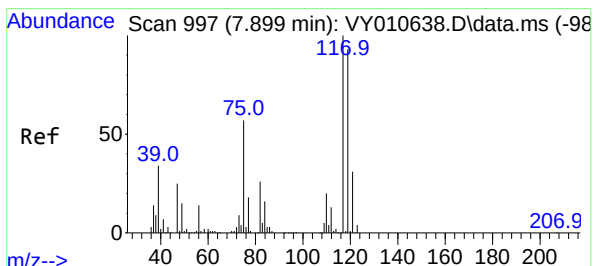
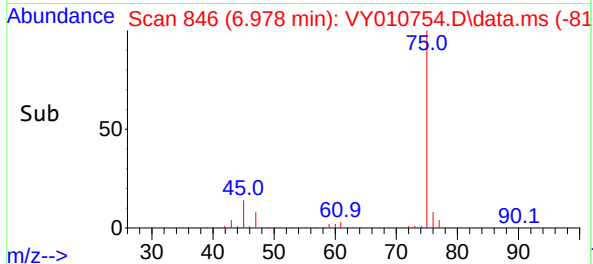
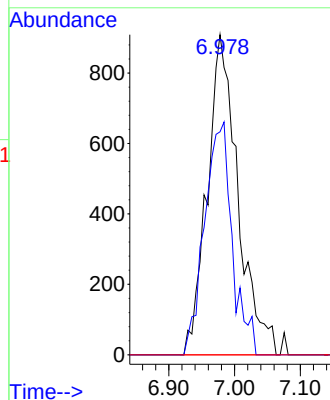
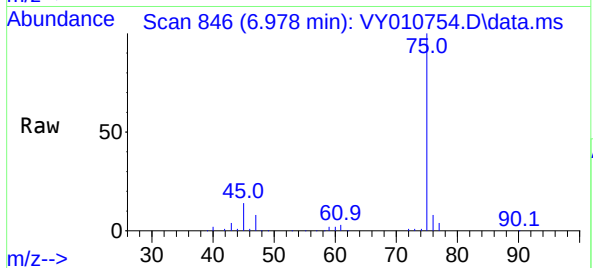




#37
Ethyl Acetate
Concen: 1.771 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

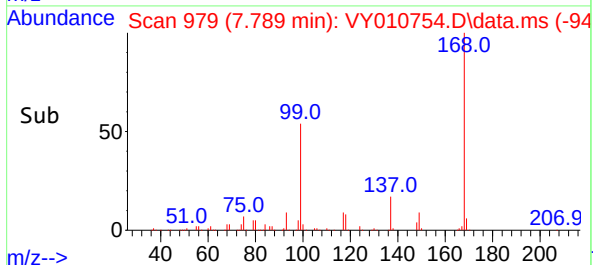
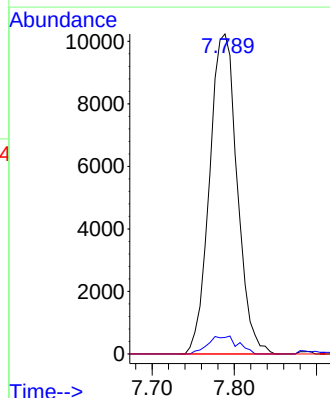
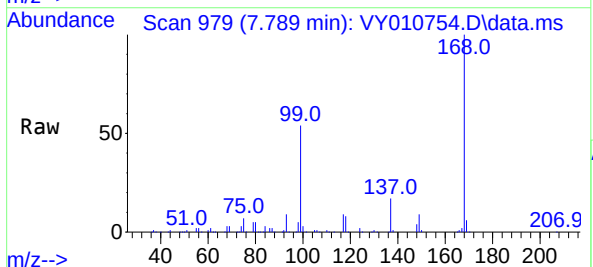
Instrument :
MSVOA_Y
ClientSampleId :

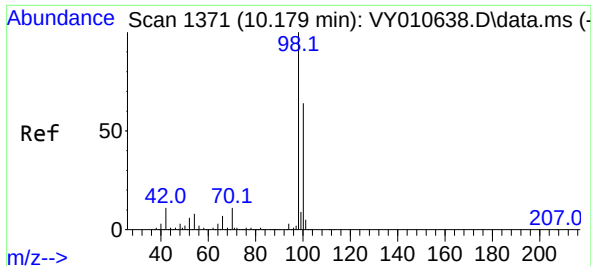
Tgt Ion: 43 Resp: 2955
Ion Ratio Lower Upper
43 100
61 65.3 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 7.199 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

Tgt Ion: 117 Resp: 23905
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#

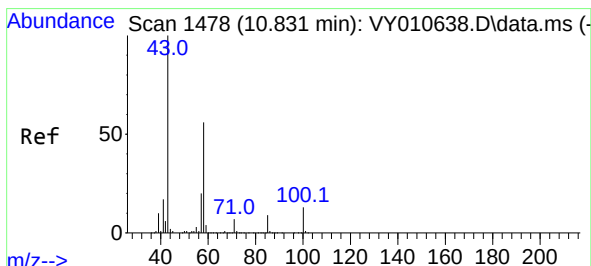
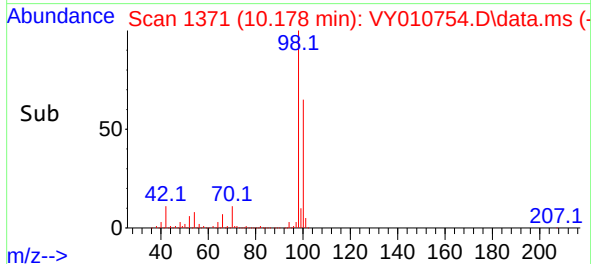
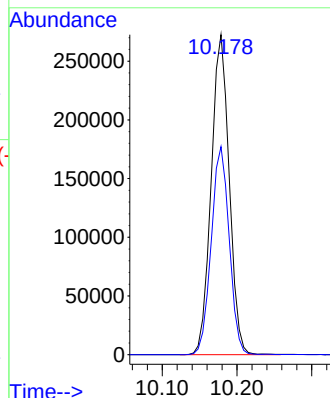
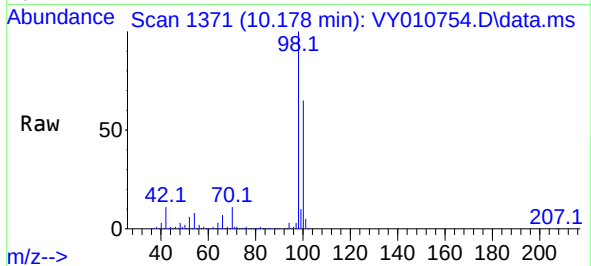




#50
Toluene-d8
Concen: 47.706 ug/l
RT: 10.178 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

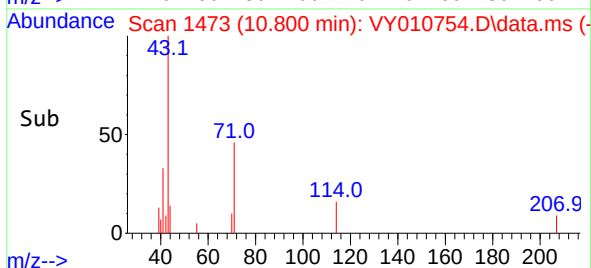
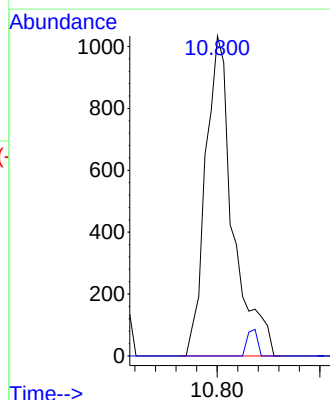
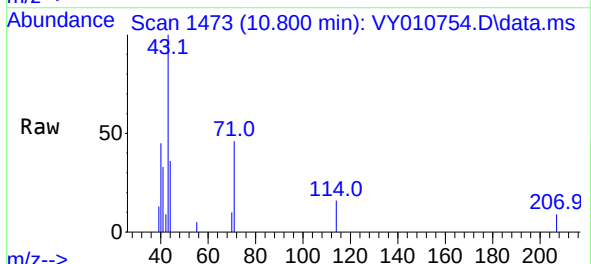
Instrument :
MSVOA_Y
ClientSampleId :

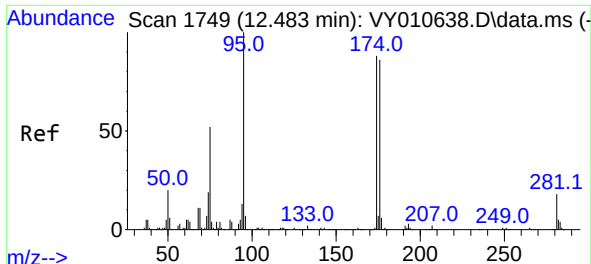
Tgt Ion: 98 Resp: 455544
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#59
2-Hexanone
Concen: 1.631 ug/l
RT: 10.800 min Scan# 1473
Delta R.T. -0.031 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

Tgt Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

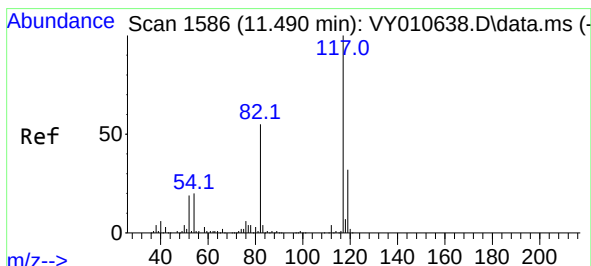
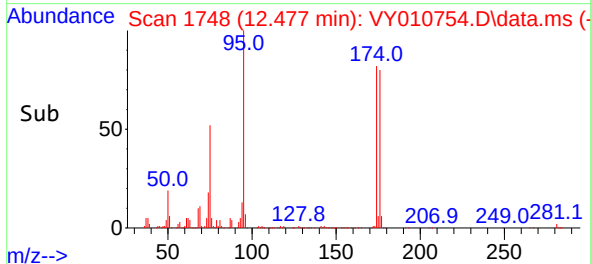
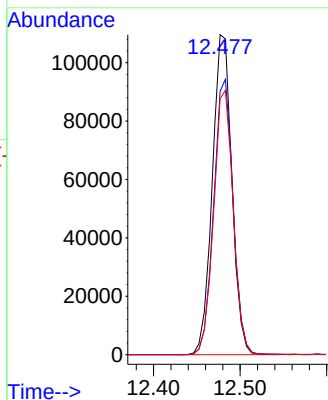
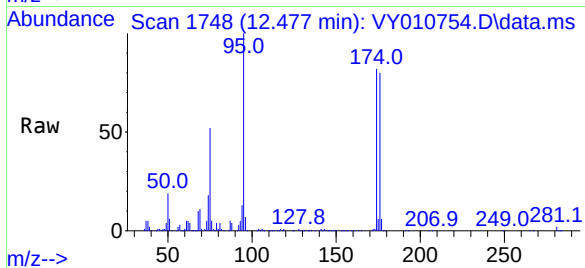




#62
4-Bromofluorobenzene
Concen: 48.210 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

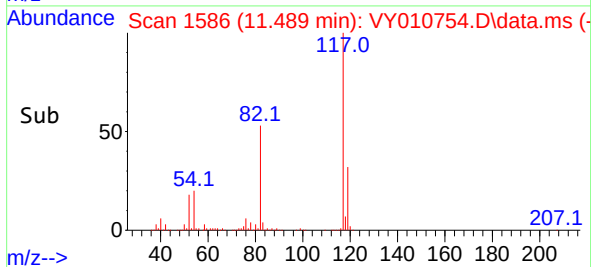
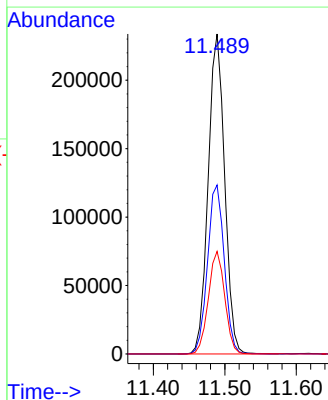
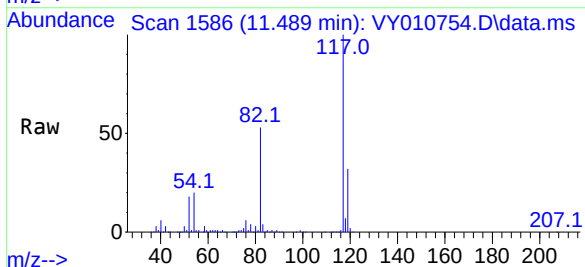
Instrument :
MSVOA_Y
ClientSampleId :

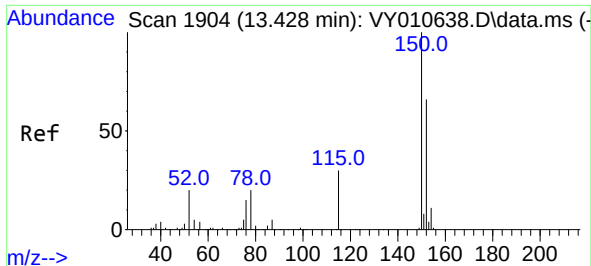
Tgt Ion: 95 Resp: 171741
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 82.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

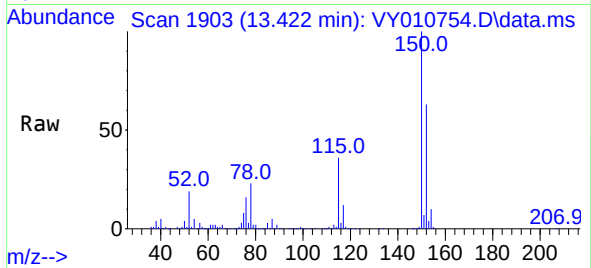
Tgt Ion: 117 Resp: 373876
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 32.1 25.4 38.0



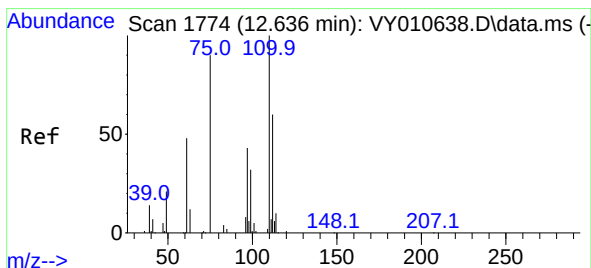
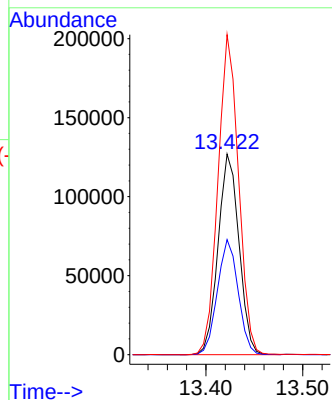
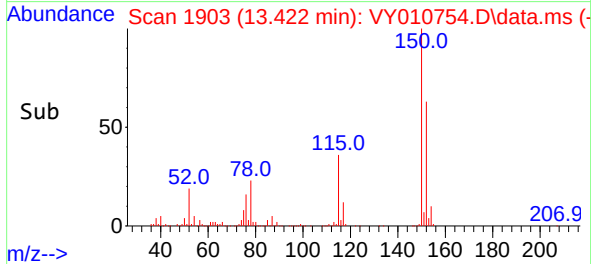


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :

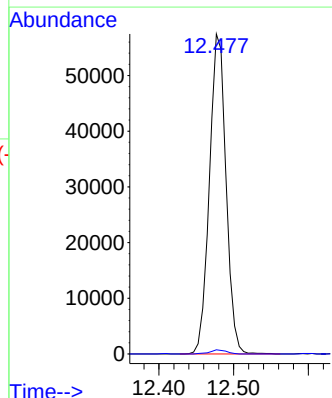
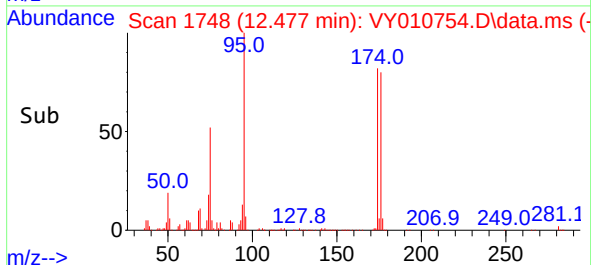
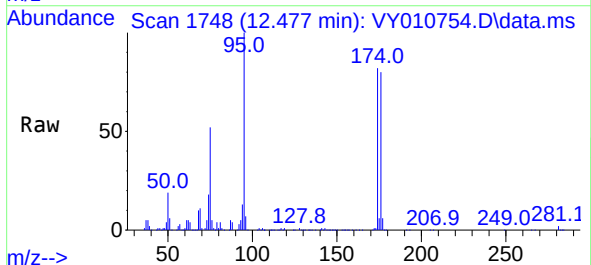


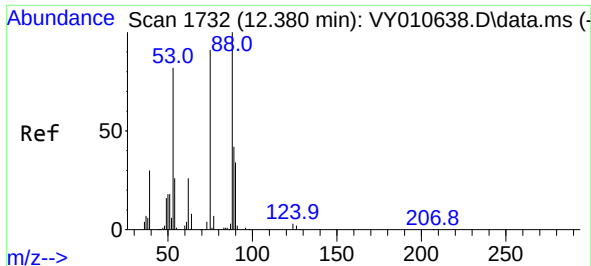
Tgt Ion:152 Resp: 190318
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 157.1 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 48.788 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010754.D
Acq: 30 Sep 2022 17:01

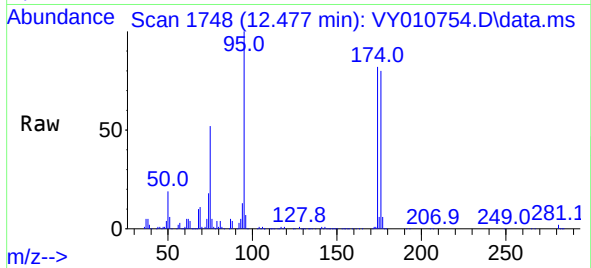
Tgt Ion: 75 Resp: 88622
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 108.478 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010754.D
 Acq: 30 Sep 2022 17:01

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 88622
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

