

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092722\
 Data File : VY010702.D
 Acq On : 27 Sep 2022 16:45
 Operator : KP/MD
 Sample : N4808-01
 Misc : 6.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 28 01:26:52 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)

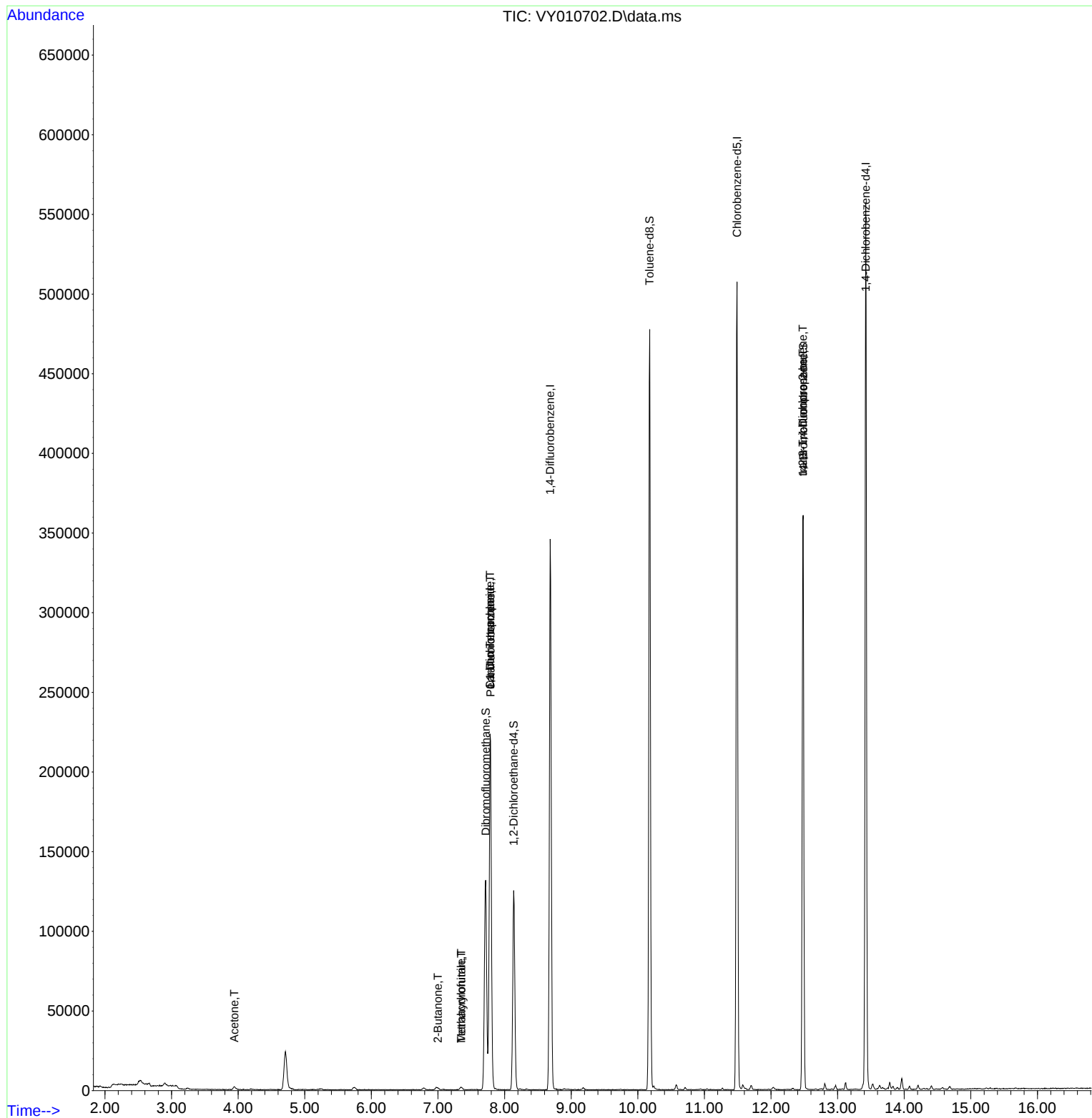
Internal Standards						
1) Pentafluorobenzene	7.789	168	170878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	293870	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	274035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	94572	57.863	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.720%	
35) Dibromofluoromethane	7.716	113	94640	50.462	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.920%	
50) Toluene-d8	10.179	98	309799	45.027	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.060%	
62) 4-Bromofluorobenzene	12.483	95	111343	42.900	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	461	Below Cal		99
4) Vinyl Chloride	2.460	62	53	Below Cal	#	43
5) Bromomethane	2.656	94	307	Below Cal	#	71
11) Tert butyl alcohol	4.930	59	162	Below Cal	#	77
16) Acetone	3.942	43	3021	9.064	ug/l #	86
17) Carbon Disulfide	4.204	76	105	Below Cal	#	75
18) Methyl Acetate	4.472	43	259	Below Cal	#	56
20) Methylene Chloride	4.710	84	17313	Below Cal	#	91
25) 2-Butanone	6.996	43	1813	3.478	ug/l #	76
29) Tetrahydrofuran	7.350	42	1203	3.757	ug/l	92
31) Cyclohexane	7.789	56	4146	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	13161	6.298	ug/l #	50
38) Carbon Tetrachloride	7.783	117	16974	7.064	ug/l #	16
41) Methacrylonitrile	7.350	41	811	1.317	ug/l #	41
76) 1,2,3-Trichloropropane	12.477	75	57964	43.978	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57964	97.783	ug/l #	7

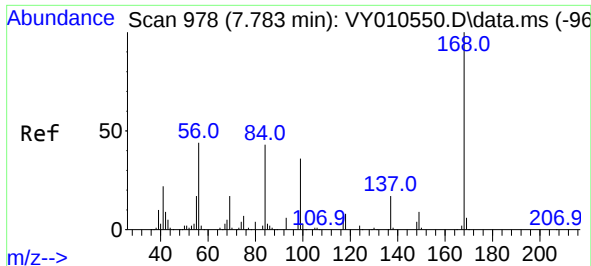
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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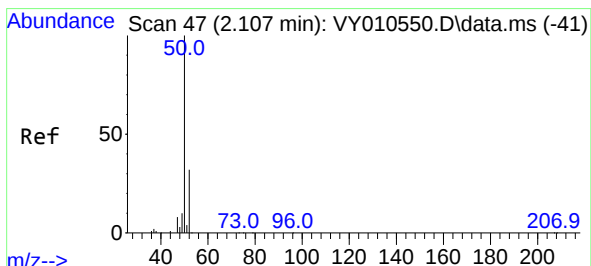
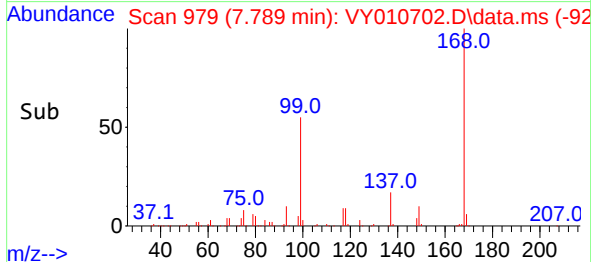
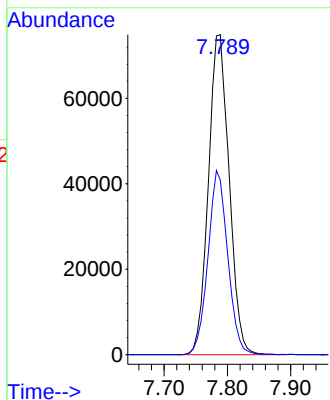
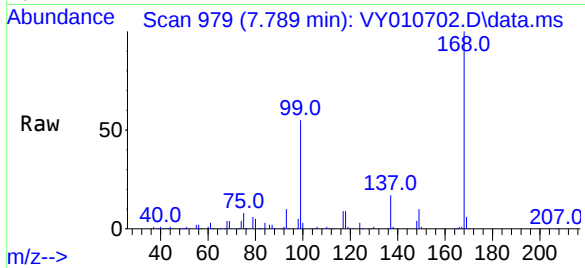




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

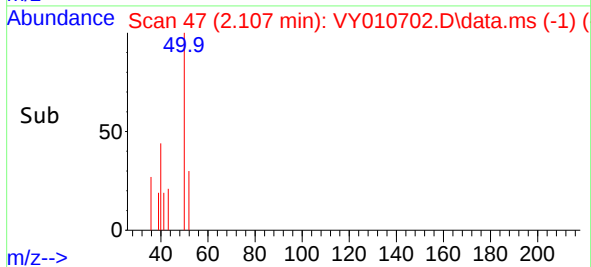
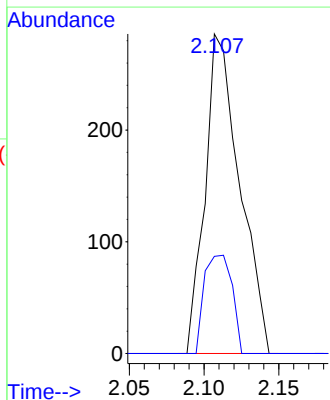
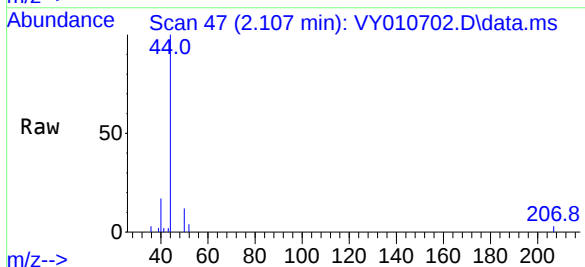
Instrument :
MSVOA_Y
ClientSampleId :

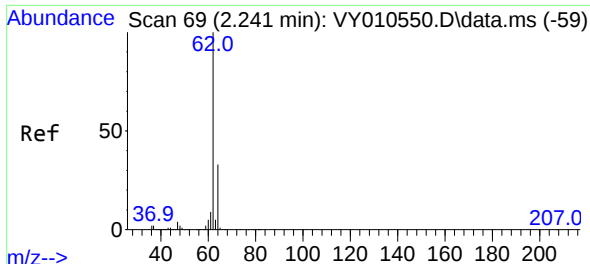
Tgt Ion:168 Resp: 170878
Ion Ratio Lower Upper
168 100
99 54.5 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

Tgt Ion: 50 Resp: 461
Ion Ratio Lower Upper
50 100
52 30.4 24.6 37.0

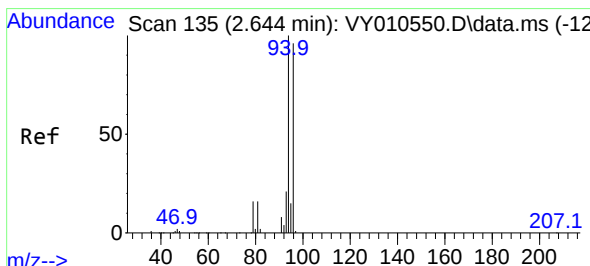
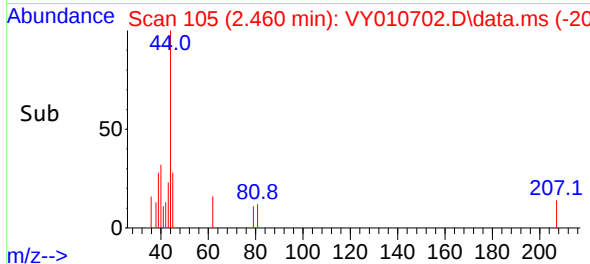
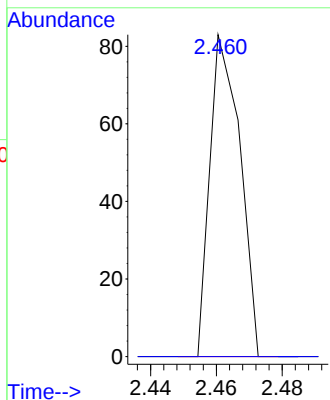
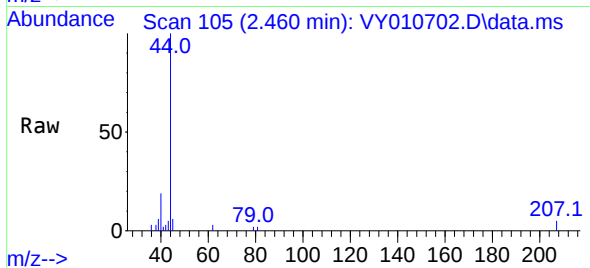




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.460 min Scan# 105
 Delta R.T. 0.219 min
 Lab File: VY010702.D
 Acq: 27 Sep 2022 16:45

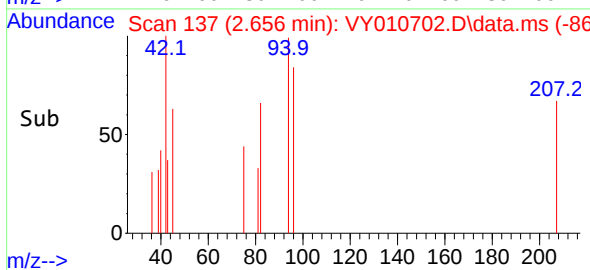
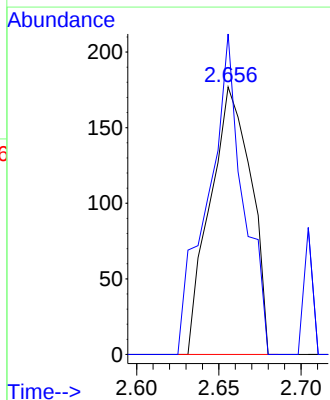
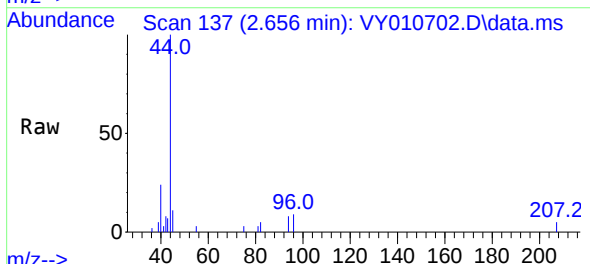
Instrument :
 MSVOA_Y
 ClientSampleId :

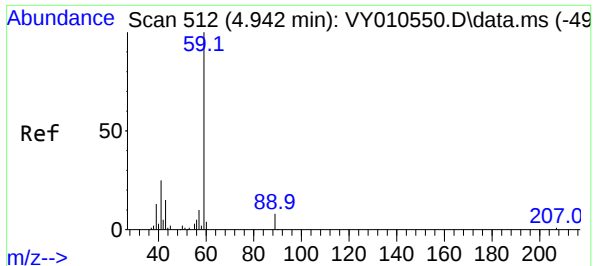
Tgt Ion: 62 Resp: 53
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.656 min Scan# 137
 Delta R.T. 0.012 min
 Lab File: VY010702.D
 Acq: 27 Sep 2022 16:45

Tgt Ion: 94 Resp: 307
 Ion Ratio Lower Upper
 94 100
 96 119.8 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 51

Delta R.T. -0.012 min

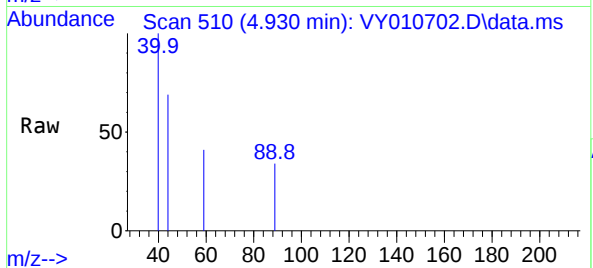
Lab File: VY010702.D

Acq: 27 Sep 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

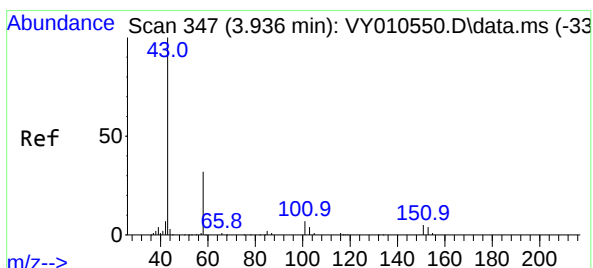
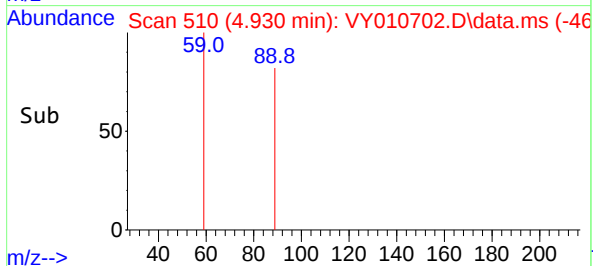
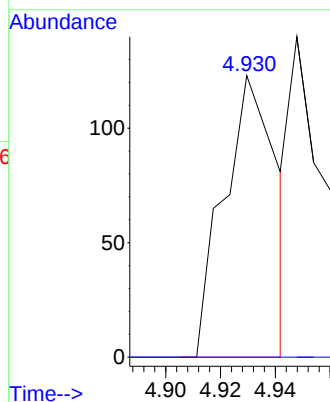


Tgt Ion: 59 Resp: 162

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 9.064 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY010702.D

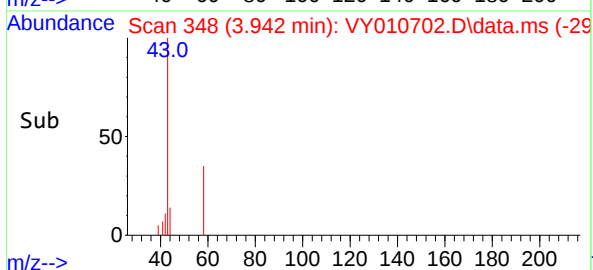
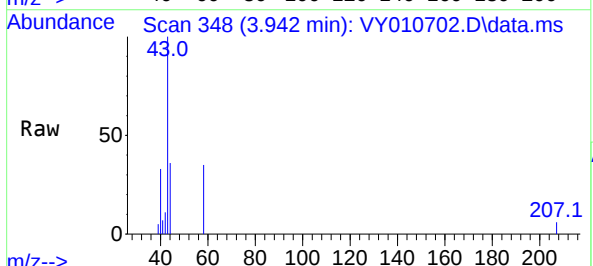
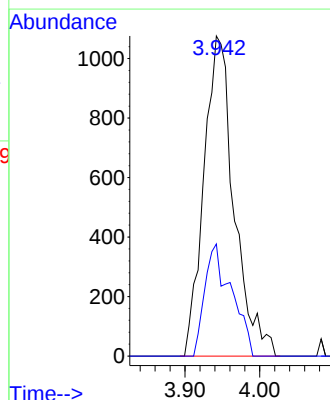
Acq: 27 Sep 2022 16:45

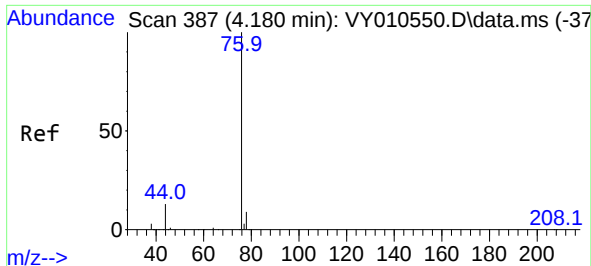
Tgt Ion: 43 Resp: 3021

Ion Ratio Lower Upper

43 100

58 35.0 22.0 33.0#

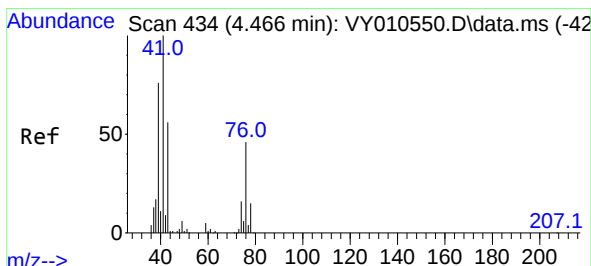
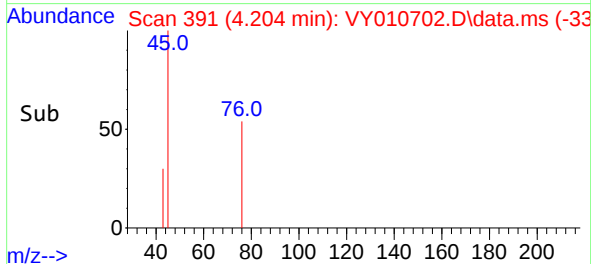
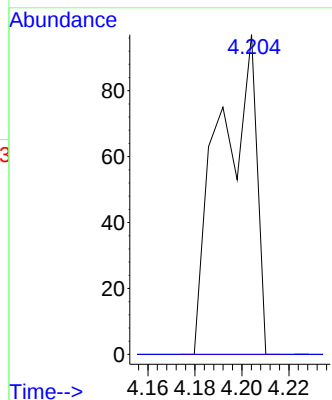
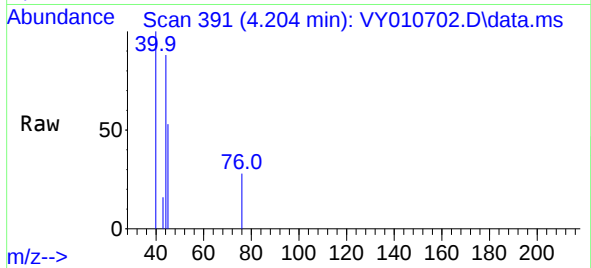




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. 0.024 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

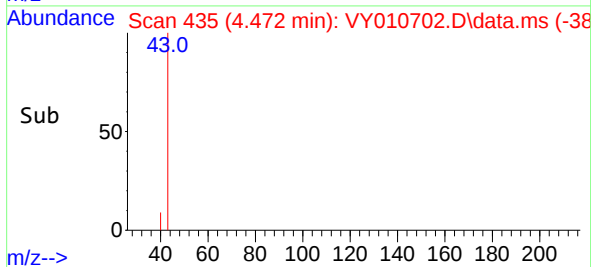
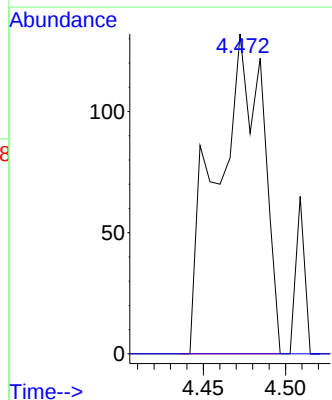
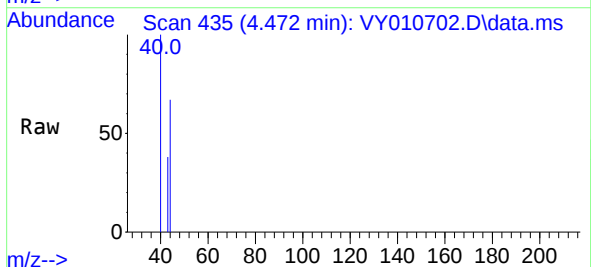
Instrument :
MSVOA_Y
ClientSampleId :

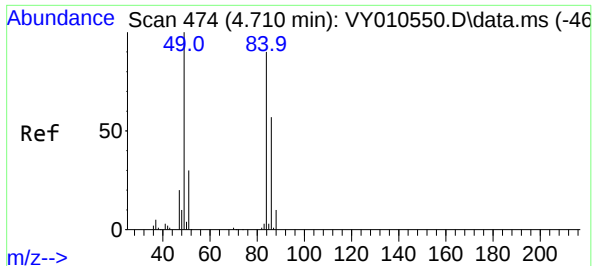
Tgt Ion: 76 Resp: 105
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. 0.006 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

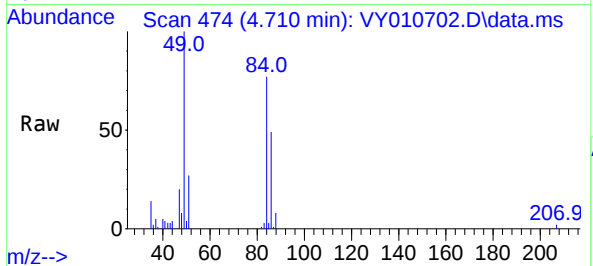
Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





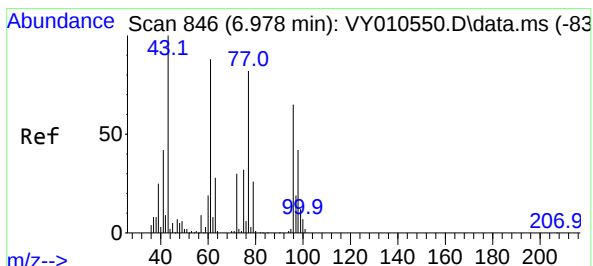
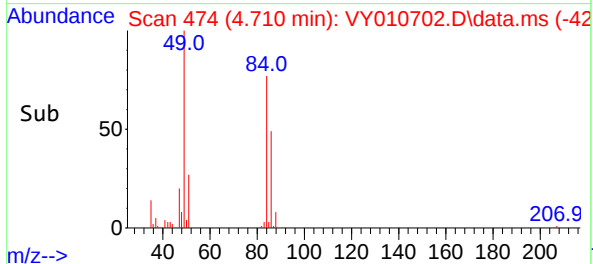
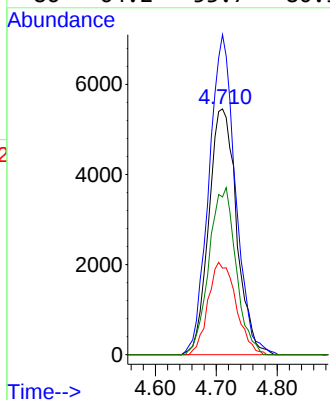
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 17313

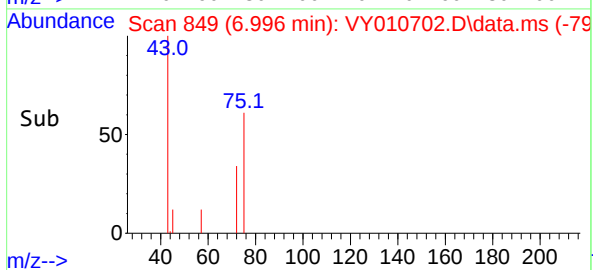
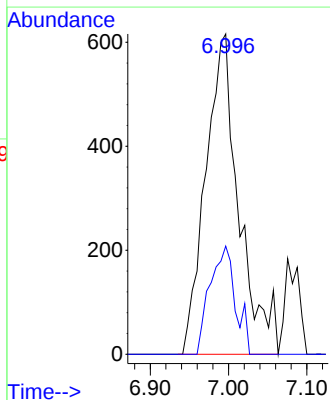
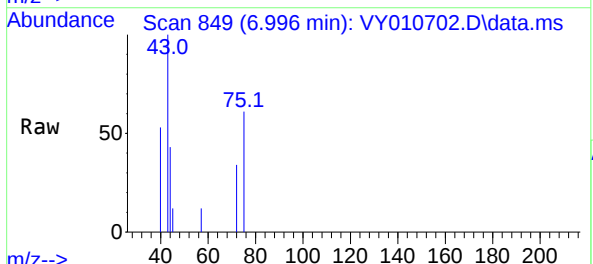
Ion	Ratio	Lower	Upper
84	100		
49	130.2	114.4	171.6
51	35.2	35.3	52.9#
86	64.2	53.7	80.5

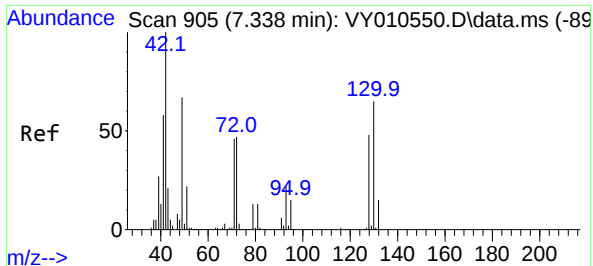


#25
2-Butanone
Concen: 3.478 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

Tgt Ion: 43 Resp: 1813

Ion	Ratio	Lower	Upper
43	100		
72	33.8	17.7	26.5#





#29

Tetrahydrofuran

Concen: 3.757 ug/l

RT: 7.350 min Scan# 905

Delta R.T. 0.012 min

Lab File: VY010702.D

Acq: 27 Sep 2022 16:45

Instrument :

MSVOA_Y

ClientSampleId :

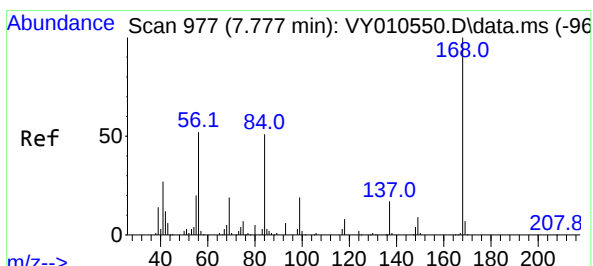
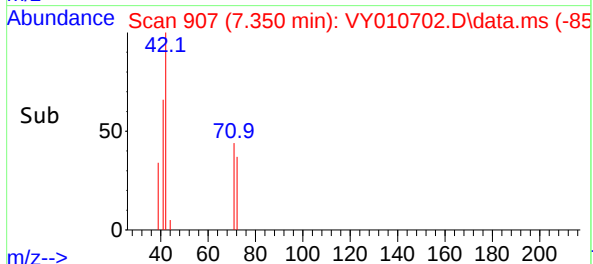
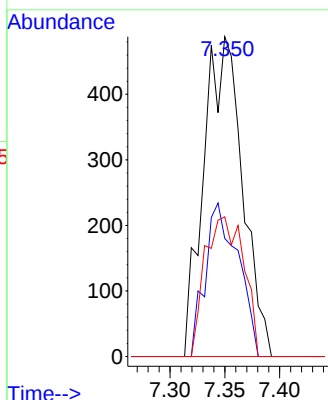
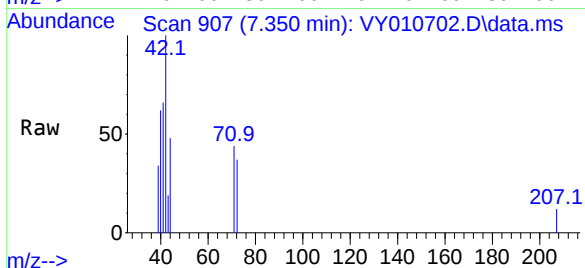
Tgt Ion: 42 Resp: 1203

Ion Ratio Lower Upper

42 100

72 40.4 30.3 45.5

71 43.3 29.0 43.4



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY010702.D

Acq: 27 Sep 2022 16:45

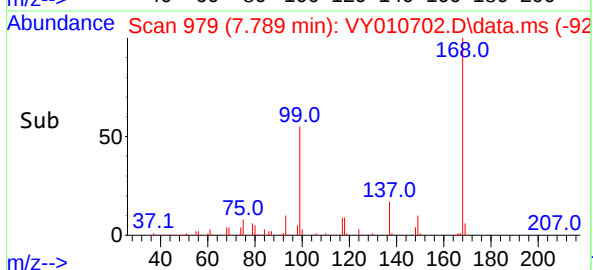
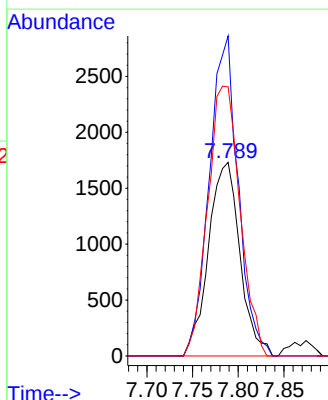
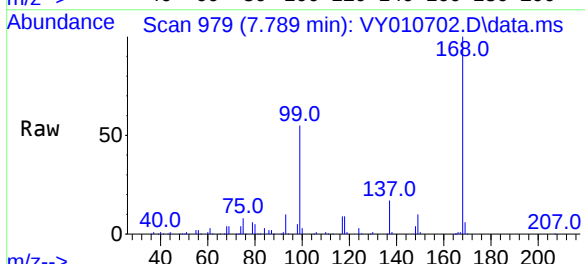
Tgt Ion: 56 Resp: 4146

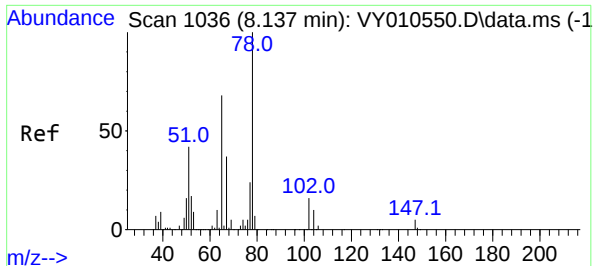
Ion Ratio Lower Upper

56 100

69 165.3 26.7 40.1#

84 139.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.863 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY010702.D

Acq: 27 Sep 2022 16:45

Instrument :

MSVOA_Y

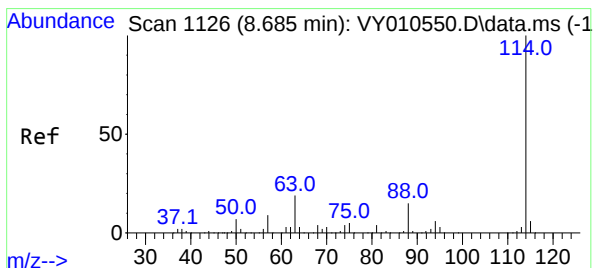
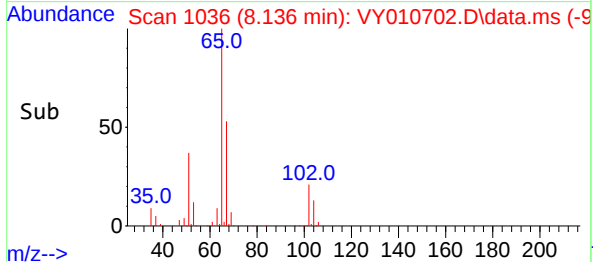
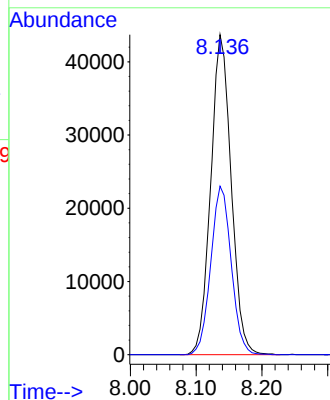
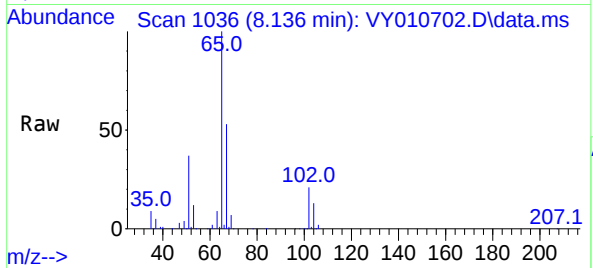
ClientSampleId :

Tgt Ion: 65 Resp: 94572

Ion Ratio Lower Upper

65 100

67 52.6 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: VY010702.D

Acq: 27 Sep 2022 16:45

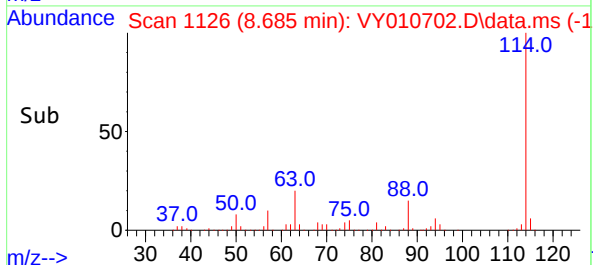
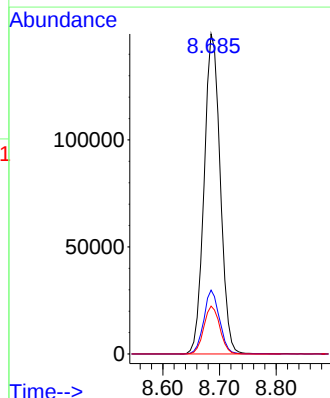
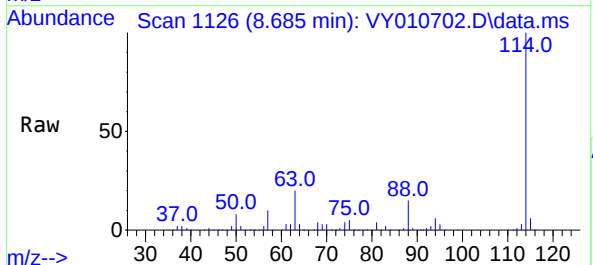
Tgt Ion:114 Resp: 293870

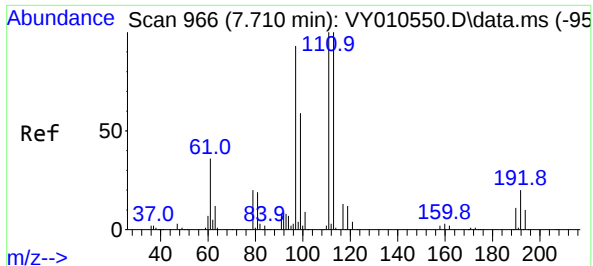
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 15.0 0.0 31.8

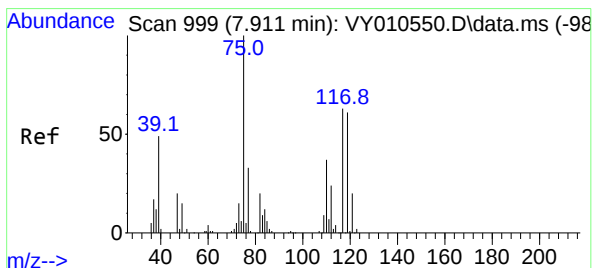
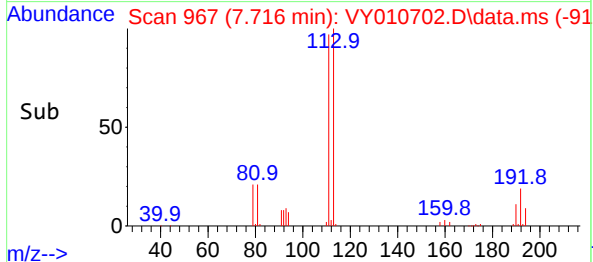
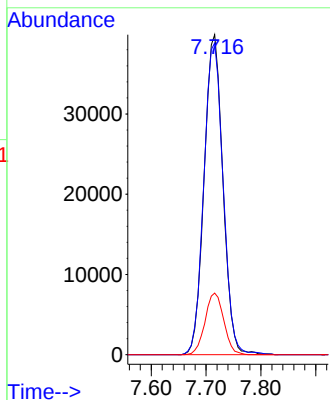
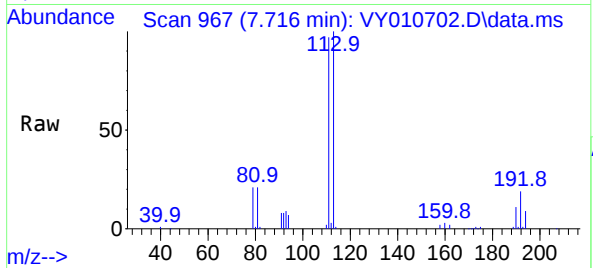




#35
Dibromofluoromethane
Concen: 50.462 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

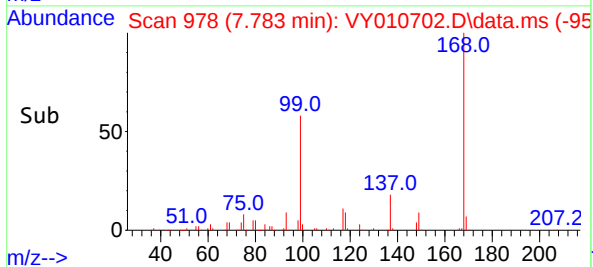
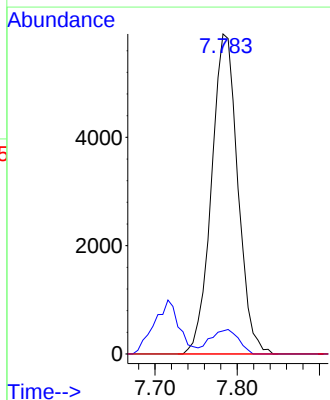
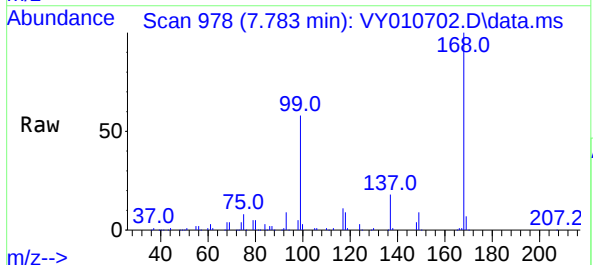
Instrument :
MSVOA_Y
ClientSampleId :

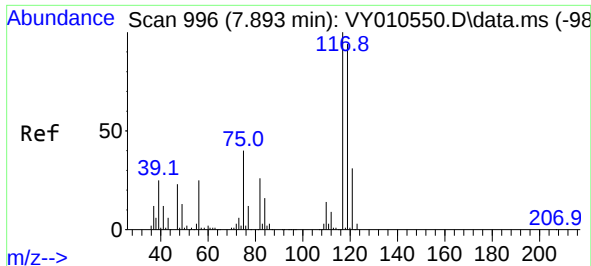
Tgt Ion:113 Resp: 94640
Ion Ratio Lower Upper
113 100
111 100.3 82.6 124.0
192 19.2 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.298 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

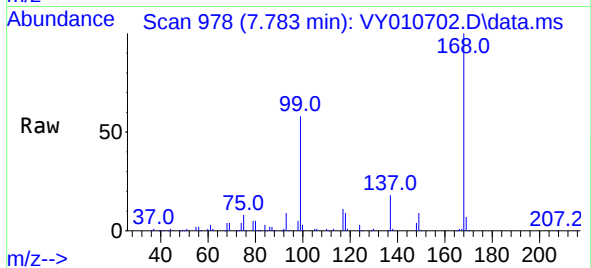
Tgt Ion: 75 Resp: 13161
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#



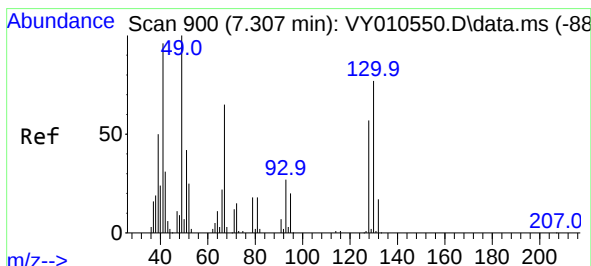
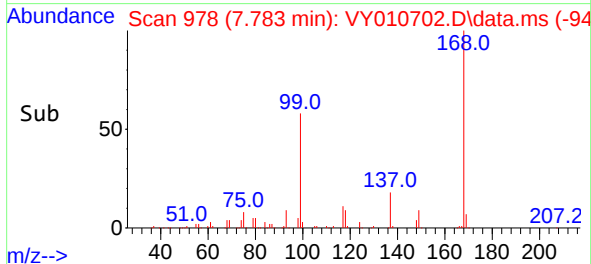
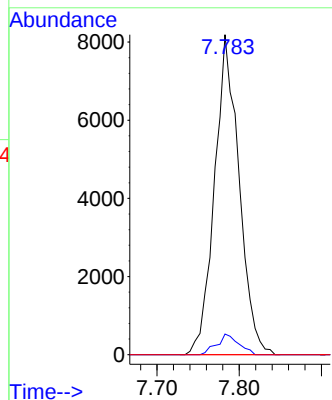


#38
Carbon Tetrachloride
Concen: 7.064 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

Instrument :
MSVOA_Y
ClientSampleId :

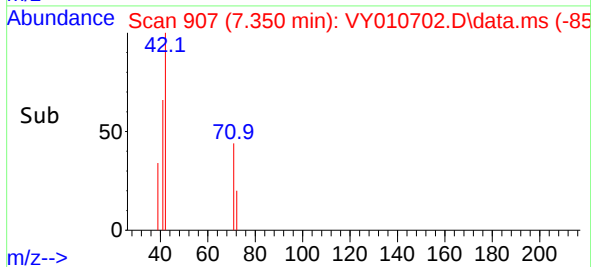
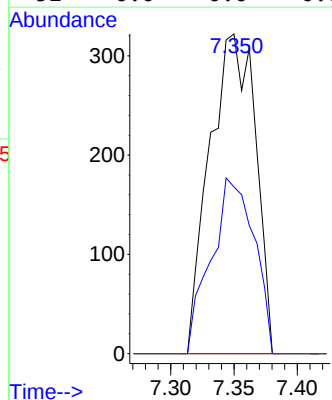
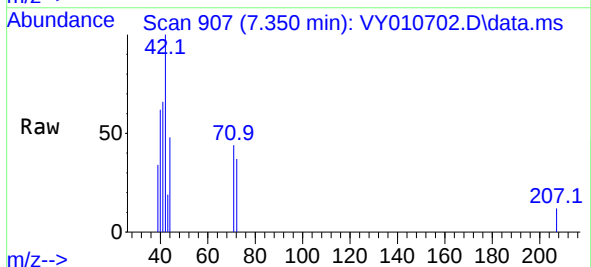


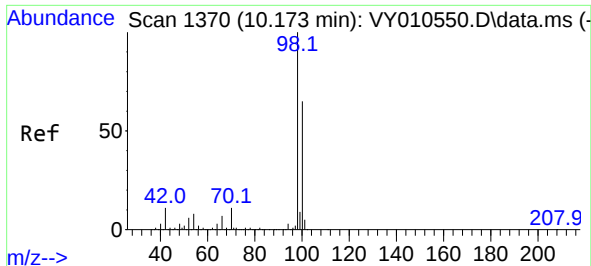
Tgt Ion:117 Resp: 16974
Ion Ratio Lower Upper
117 100
119 6.5 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 1.317 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

Tgt Ion: 41 Resp: 811
Ion Ratio Lower Upper
41 100
39 51.8 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

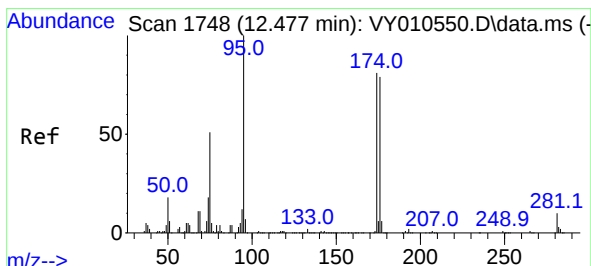
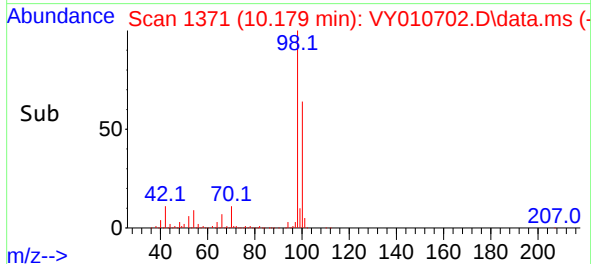
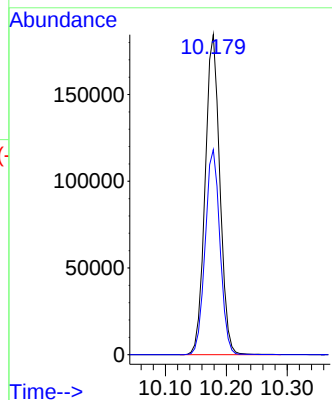
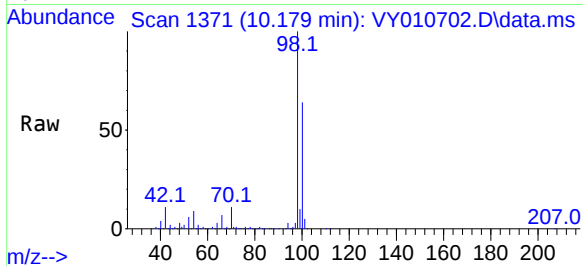




#50
Toluene-d8
Concen: 45.027 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

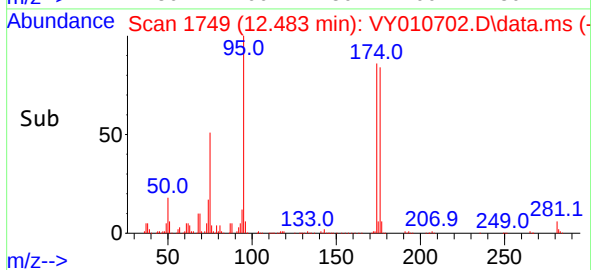
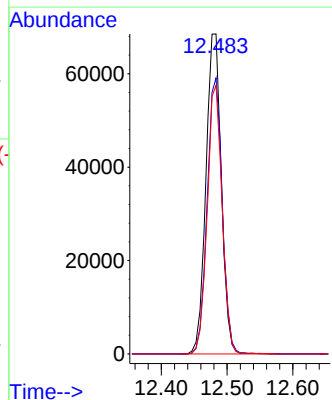
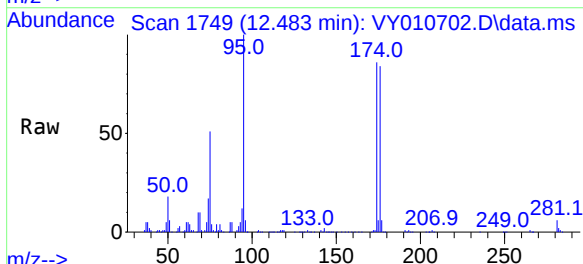
Instrument :
MSVOA_Y
ClientSampleId :

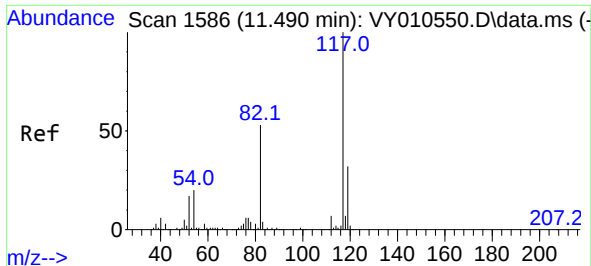
Tgt Ion: 98 Resp: 309799
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.900 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

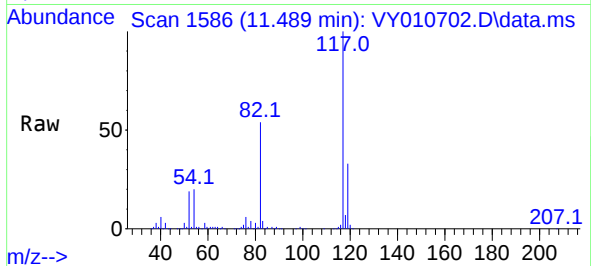
Tgt Ion: 95 Resp: 111343
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 81.4 0.0 175.8



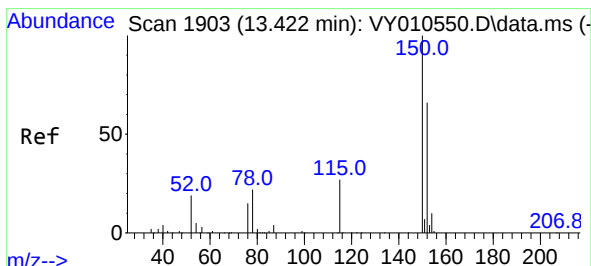
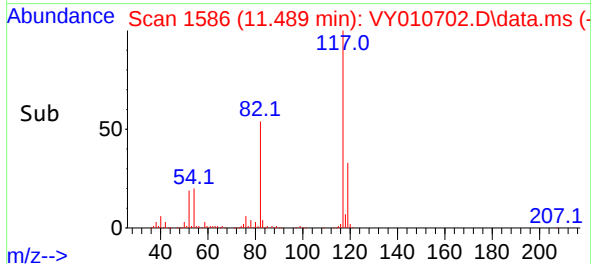
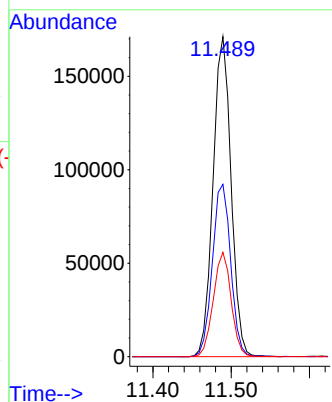


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

Instrument :
MSVOA_Y
ClientSampleId :

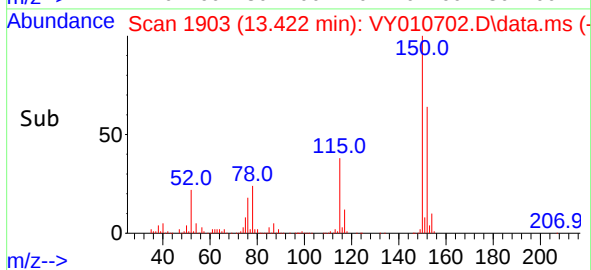
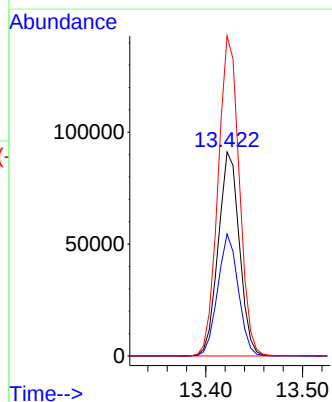
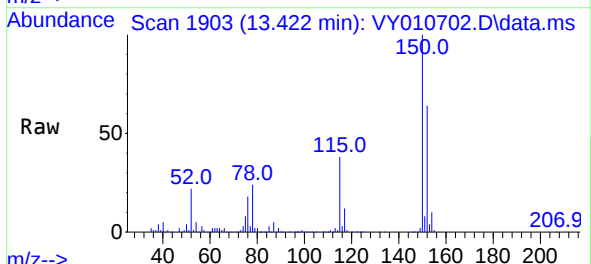


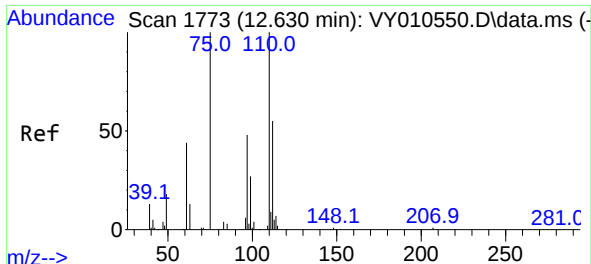
Tgt Ion:117 Resp: 274035
Ion Ratio Lower Upper
117 100
82 53.8 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

Tgt Ion:152 Resp: 138094
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 157.3 0.0 347.6

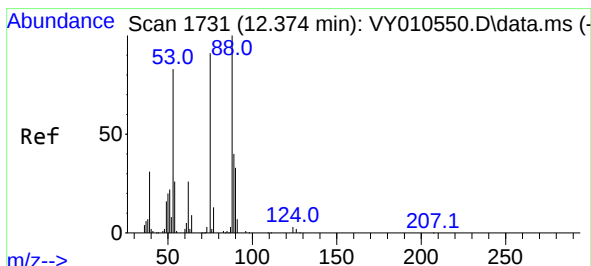
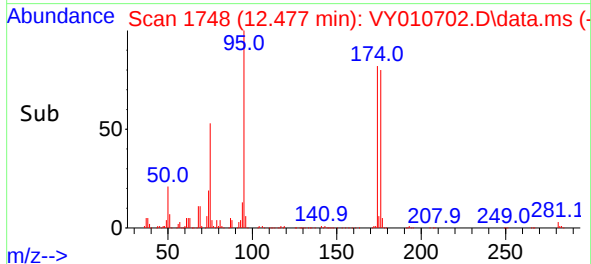
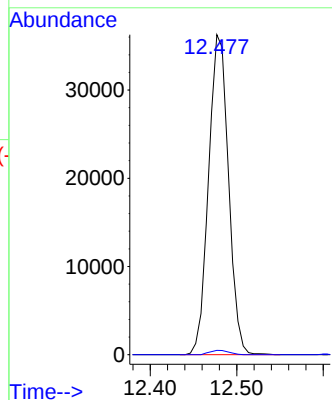
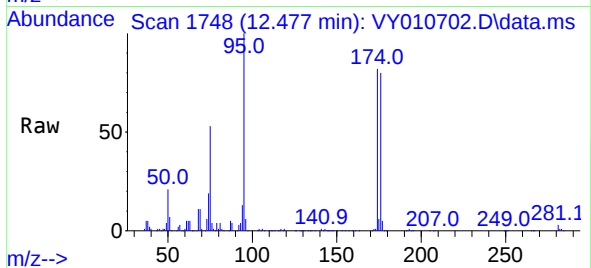




#76
1,2,3-Trichloropropane
Concen: 43.978 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 57964
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.783 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010702.D
Acq: 27 Sep 2022 16:45

Tgt Ion: 75 Resp: 57964
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

