

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010555.D
 Acq On : 19 Sep 2022 16:51
 Operator : KP/MD
 Sample : VY0919SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBL01

Quant Time: Sep 20 01:04:37 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)

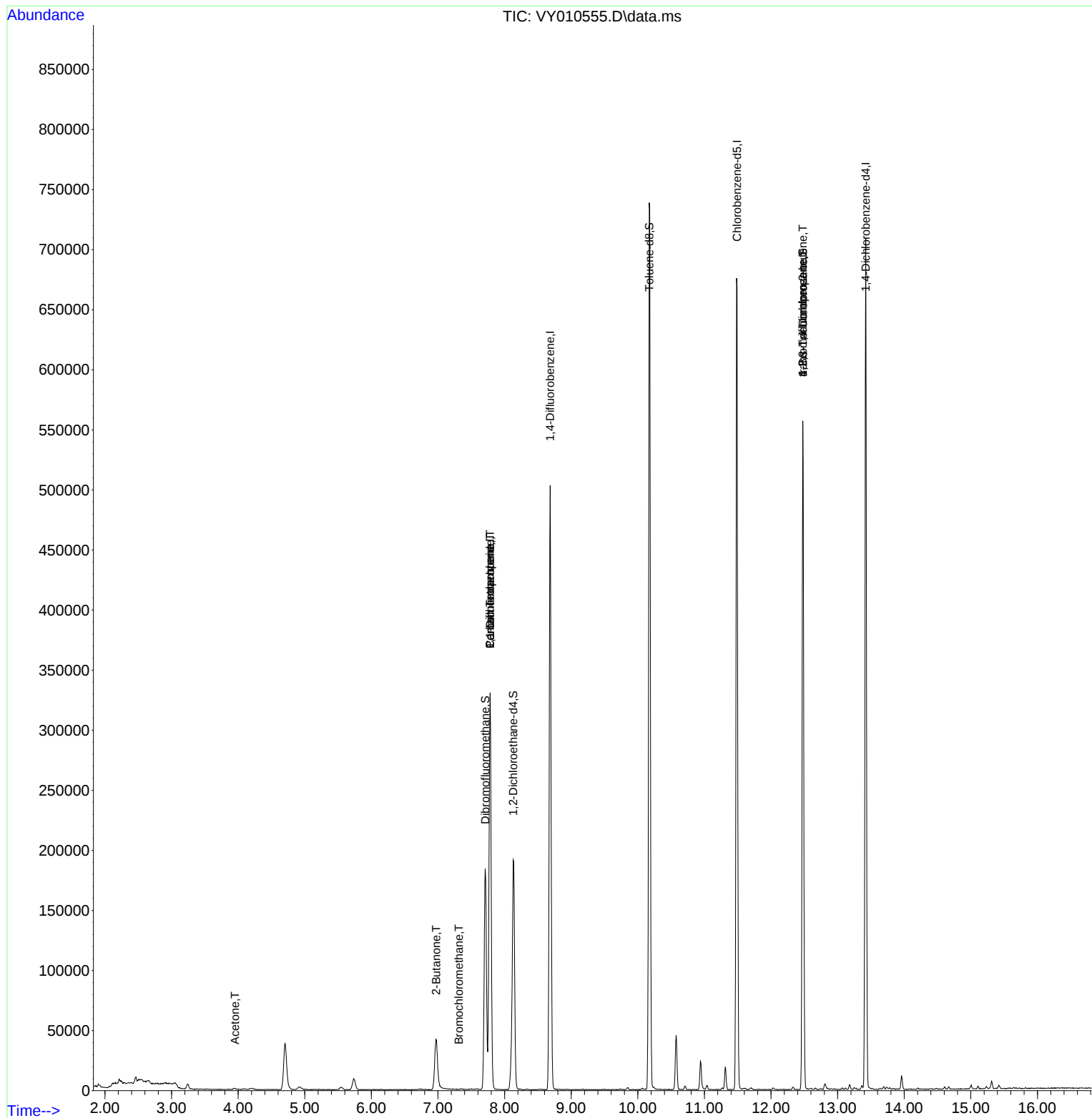
Internal Standards						
1) Pentafluorobenzene	7.783	168	261081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	428722	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	380553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	177969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	139355	55.805	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.600%
35) Dibromofluoromethane	7.710	113	131240	47.966	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.940%
50) Toluene-d8	10.173	98	504015	49.853	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.700%
62) 4-Bromofluorobenzene	12.477	95	165091	43.648	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.300%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	1788	Below Cal		96
3) Chloromethane	2.107	50	645	Below Cal	#	80
4) Vinyl Chloride	2.333	62	65	Below Cal	#	43
5) Bromomethane	2.650	94	838	Below Cal		92
11) Tert butyl alcohol	4.930	59	2060	Below Cal	#	80
16) Acetone	3.954	43	1878	3.688	ug/l	92
17) Carbon Disulfide	4.186	76	351	Below Cal	#	75
18) Methyl Acetate	4.460	43	53	Below Cal	#	56
20) Methylene Chloride	4.704	84	30098	Below Cal	#	81
25) 2-Butanone	6.972	43	3016	3.786	ug/l	# 87
28) Bromochloromethane	7.313	49	29	5.111	ug/l	# 16
31) Cyclohexane	7.777	56	4878	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	18907	6.202	ug/l	# 50
38) Carbon Tetrachloride	7.783	117	25622	7.309	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	84196	49.568	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	84196	110.211	ug/l	# 7

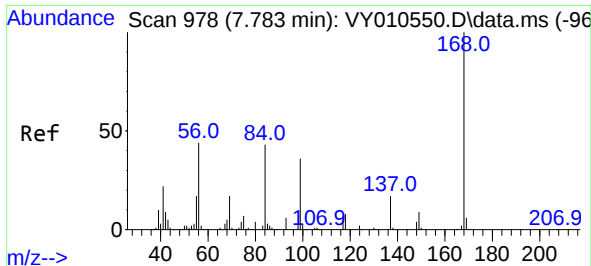
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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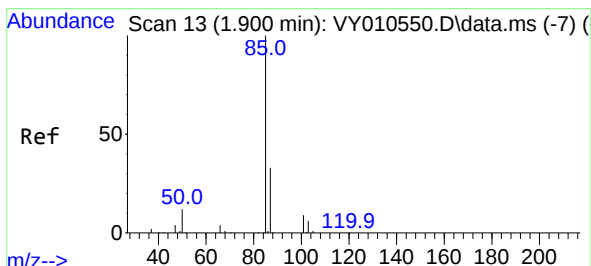
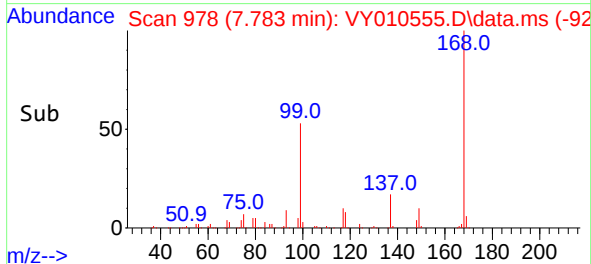
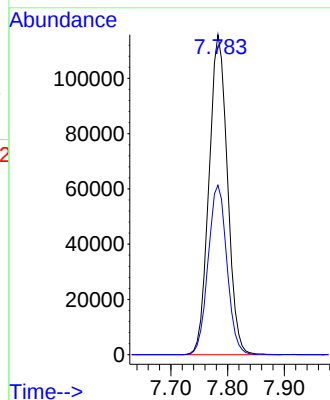
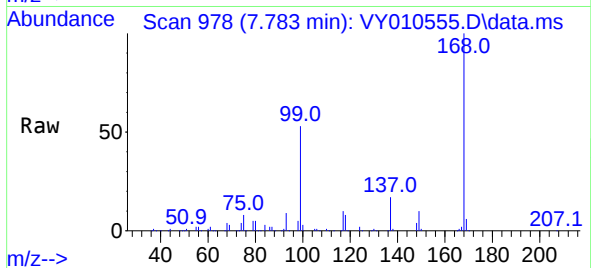




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

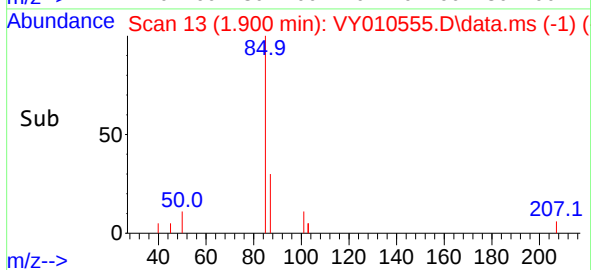
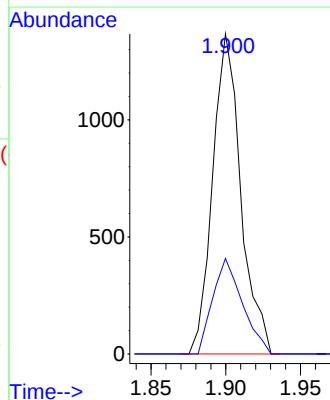
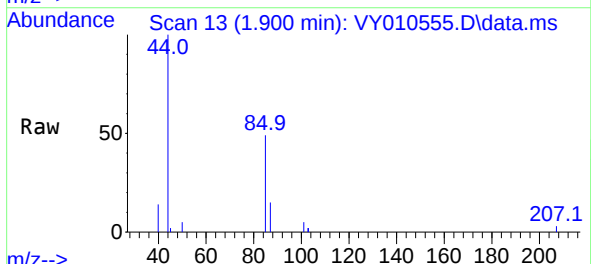
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

Tgt Ion:168 Resp: 261081
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3

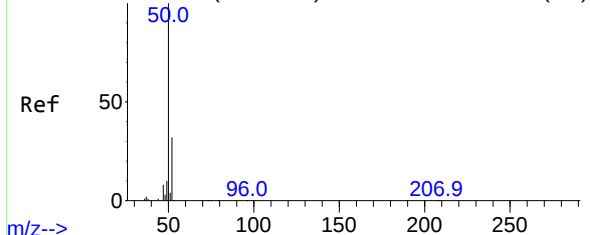


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 85 Resp: 1788
Ion Ratio Lower Upper
85 100
87 29.8 16.1 48.2

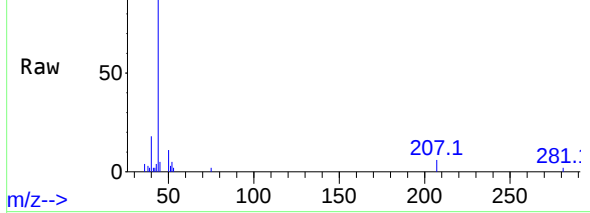


Abundance Scan 47 (2.107 min): VY010550.D\data.ms (-41)



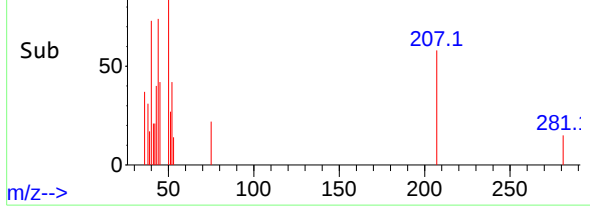
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Abundance Scan 47 (2.107 min): VY010555.D\data.ms



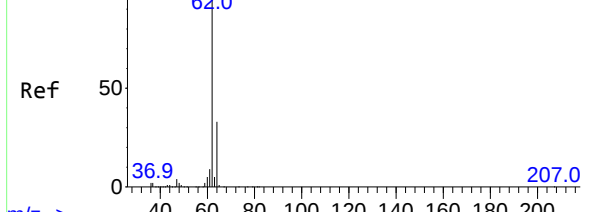
m/z-->

Abundance Scan 47 (2.107 min): VY010555.D\data.ms (-1)



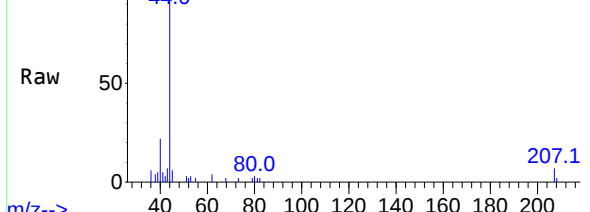
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Abundance Scan 69 (2.241 min): VY010550.D\data.ms (-59)



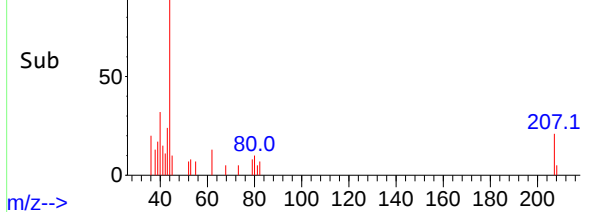
m/z-->

Abundance Scan 84 (2.333 min): VY010555.D\data.ms



m/z-->

Abundance Scan 84 (2.333 min): VY010555.D\data.ms (-20)



m/z-->

#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY010555.D

Acq: 19 Sep 2022 16:51

Instrument :

MSVOA_Y

ClientSampleId :

VY0919SBL01

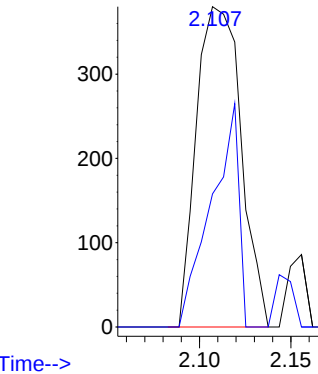
Tgt Ion: 50 Resp: 645

Ion Ratio Lower Upper

50 100

52 41.6 24.6 37.0#

Abundance



Time-->

#4

Vinyl Chloride

Concen: Below Cal

RT: 2.333 min Scan# 84

Delta R.T. 0.092 min

Lab File: VY010555.D

Acq: 19 Sep 2022 16:51

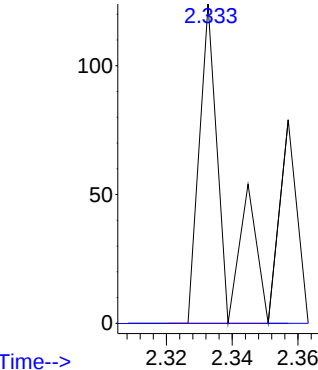
Tgt Ion: 62 Resp: 65

Ion Ratio Lower Upper

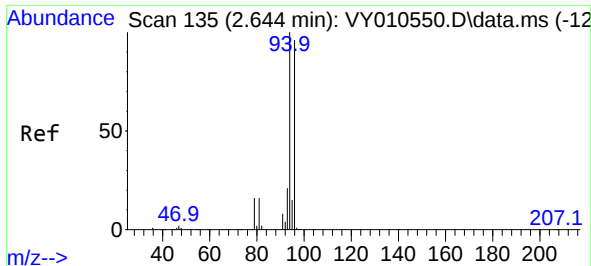
62 100

64 0.0 25.0 37.6#

Abundance



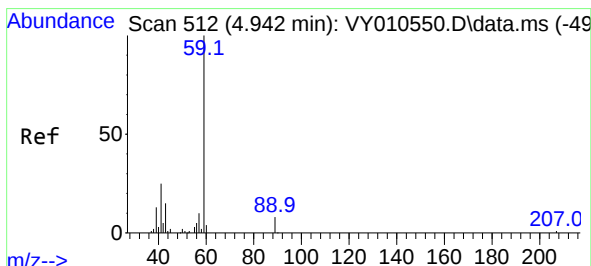
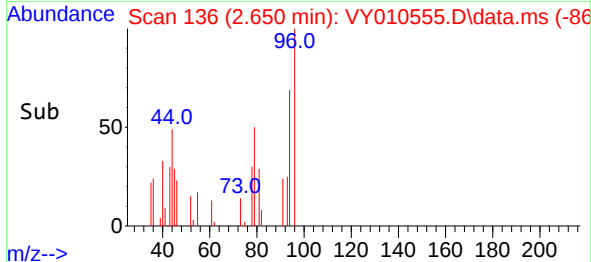
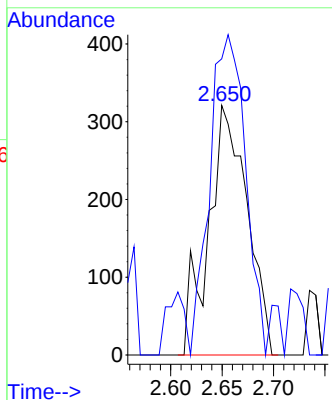
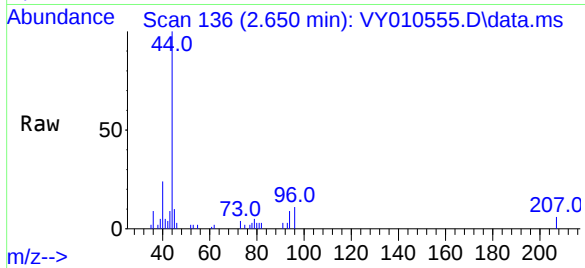
Time-->



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

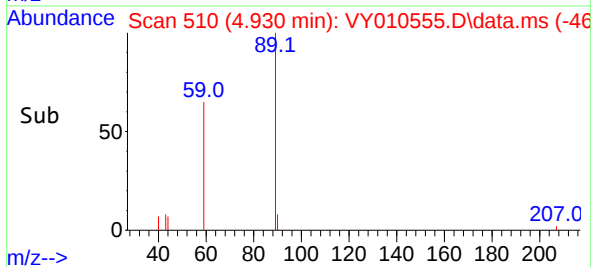
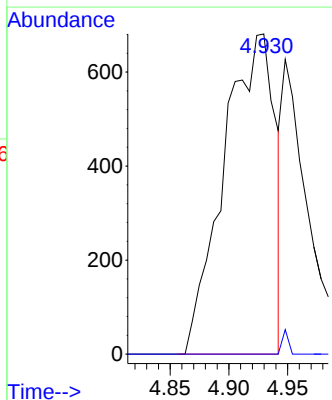
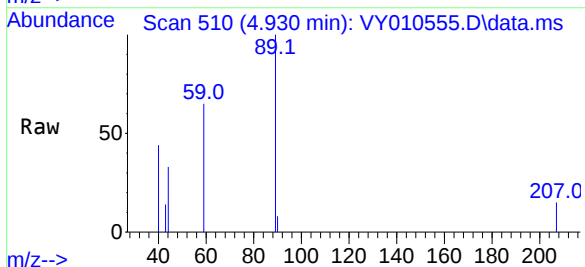
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

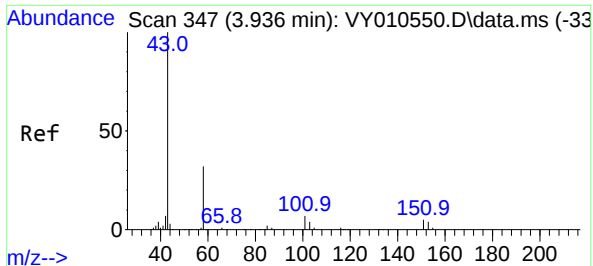
Tgt Ion: 94 Resp: 838
Ion Ratio Lower Upper
94 100
96 99.1 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 59 Resp: 2060
Ion Ratio Lower Upper
59 100
57 0.9 6.4 9.6#

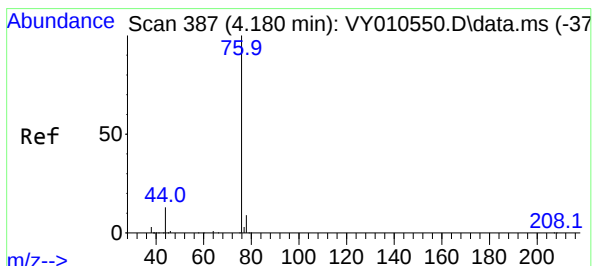
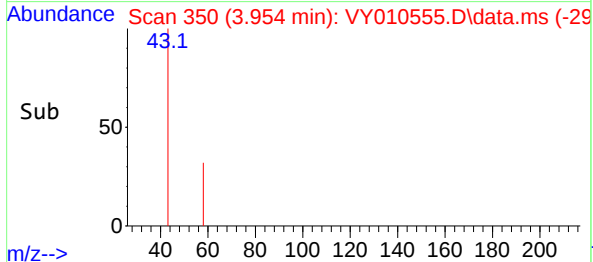
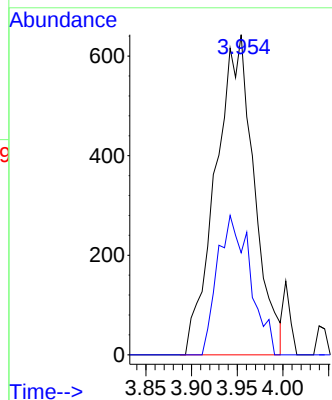
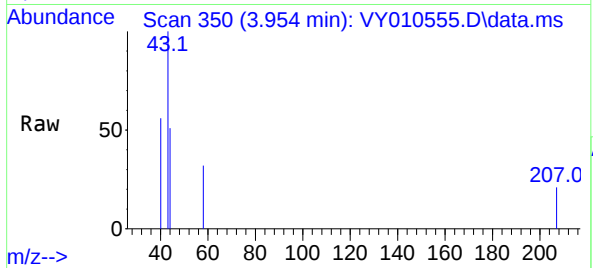




#16
Acetone
Concen: 3.688 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

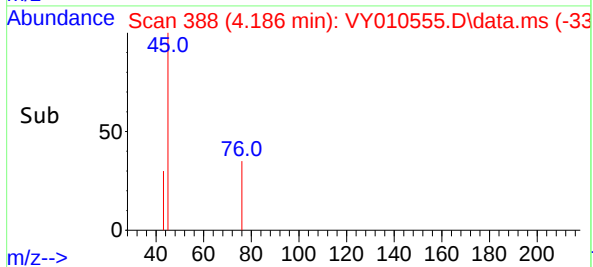
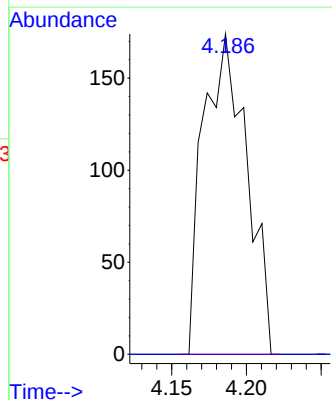
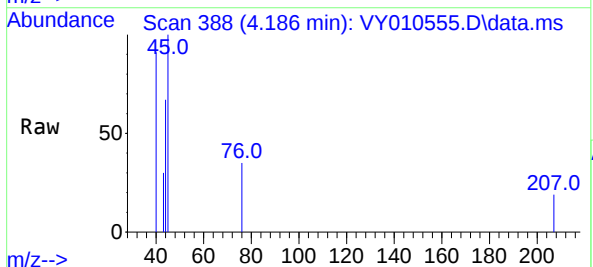
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

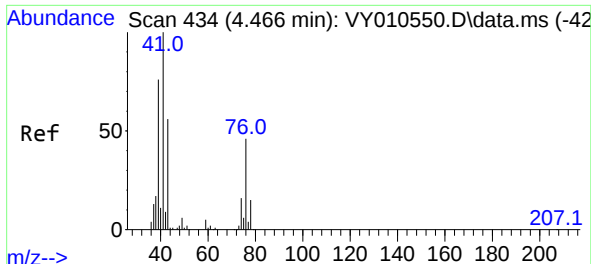
Tgt Ion: 43 Resp: 1878
Ion Ratio Lower Upper
43 100
58 31.9 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 76 Resp: 351
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.460 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY010555.D

Acq: 19 Sep 2022 16:51

Instrument :

MSVOA_Y

ClientSampleId :

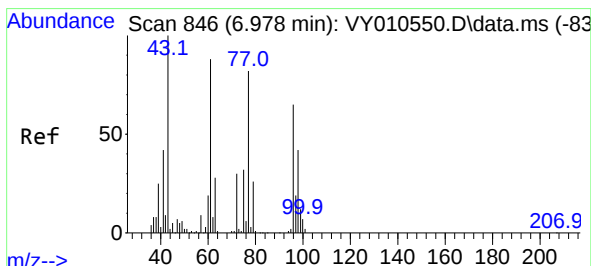
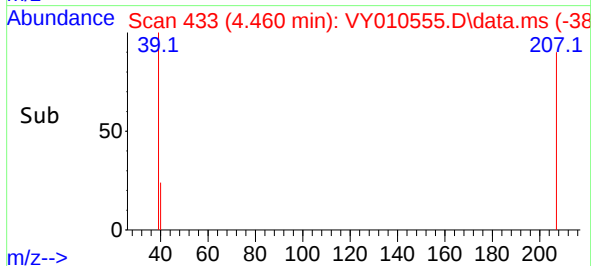
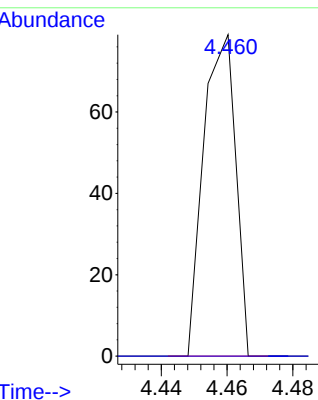
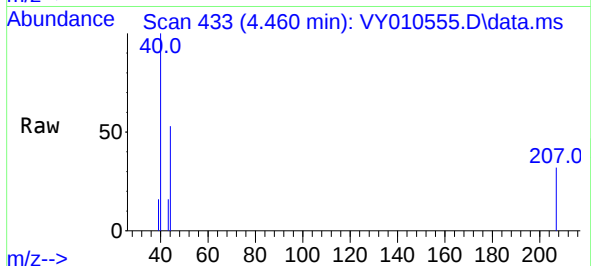
VY0919SBL01

Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#25

2-Butanone

Concen: 3.786 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY010555.D

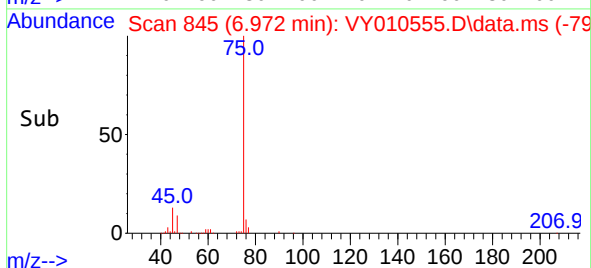
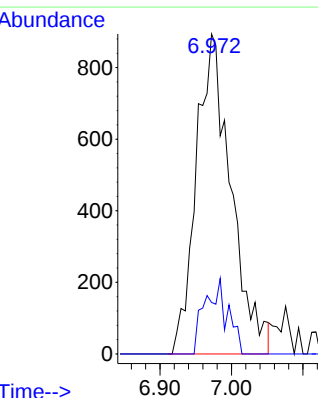
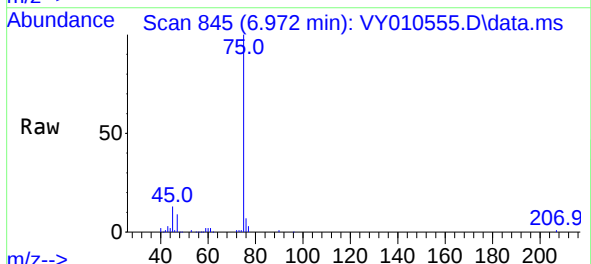
Acq: 19 Sep 2022 16:51

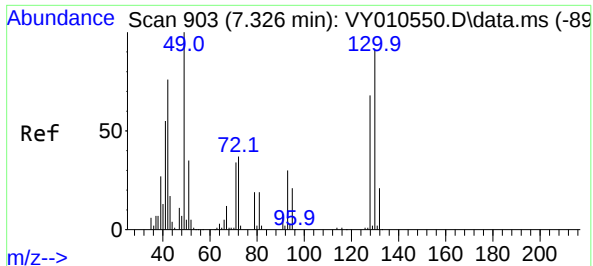
Tgt Ion: 43 Resp: 3016

Ion Ratio Lower Upper

43 100

72 16.1 17.7 26.5#

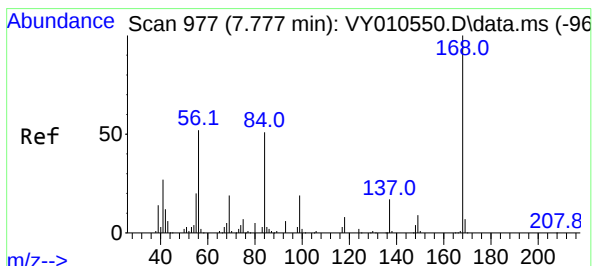
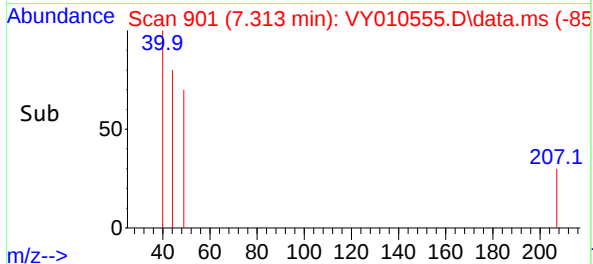
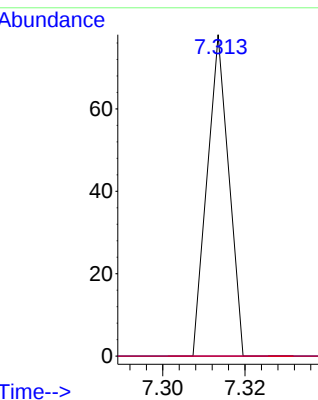
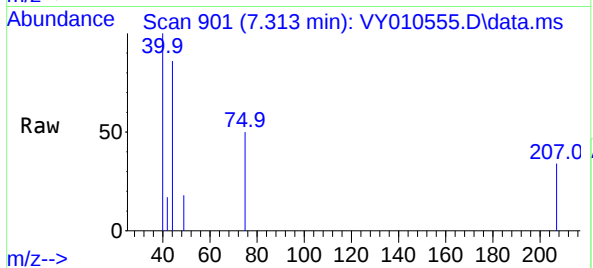




#28
Bromochloromethane
Concen: 5.111 ug/l
RT: 7.313 min Scan# 901
Delta R.T. -0.013 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

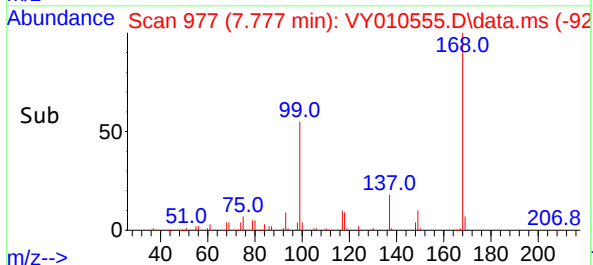
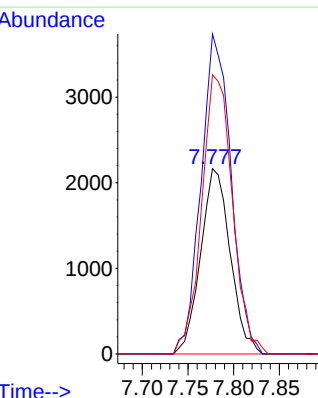
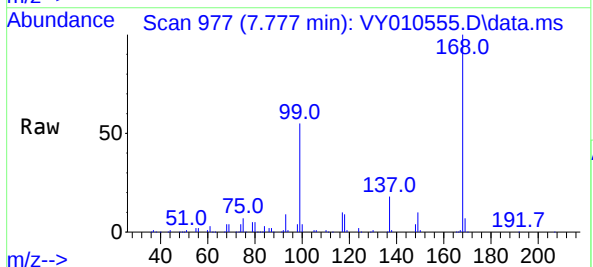
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

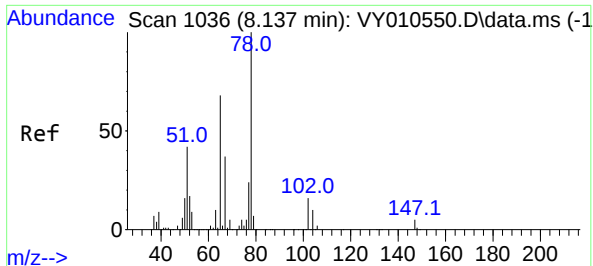
Tgt Ion: 49 Resp: 29
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 55.4 83.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 56 Resp: 4878
Ion Ratio Lower Upper
56 100
69 172.7 26.7 40.1#
84 150.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.805 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY010555.D

Acq: 19 Sep 2022 16:51

Instrument :

MSVOA_Y

ClientSampleId :

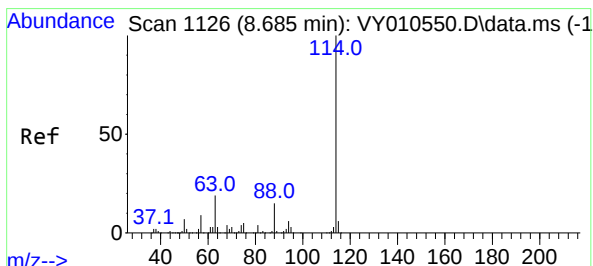
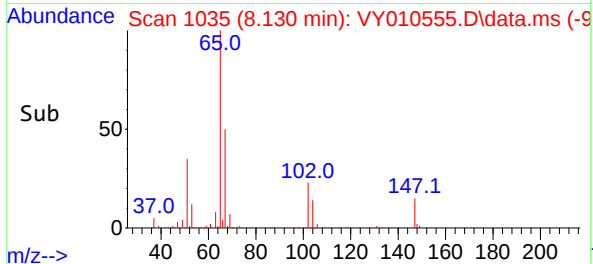
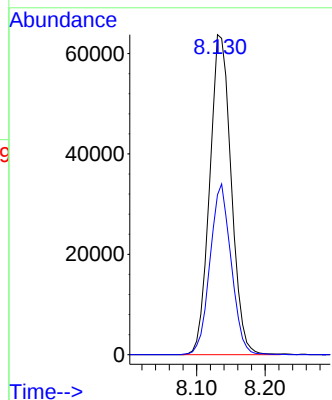
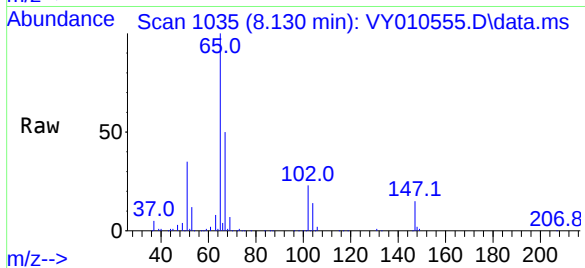
VY0919SBL01

Tgt Ion: 65 Resp: 139355

Ion Ratio Lower Upper

65 100

67 52.4 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: VY010555.D

Acq: 19 Sep 2022 16:51

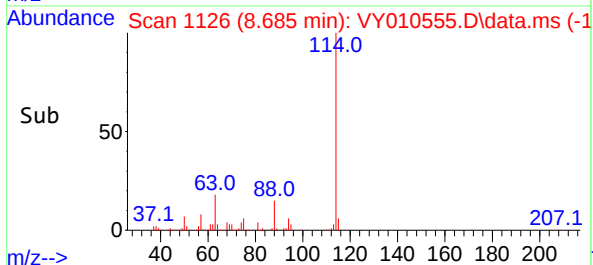
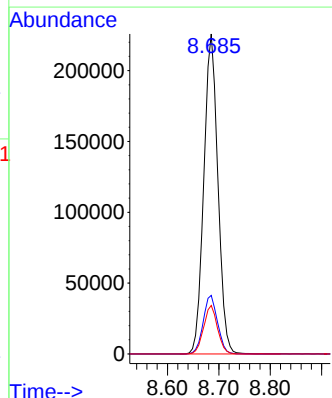
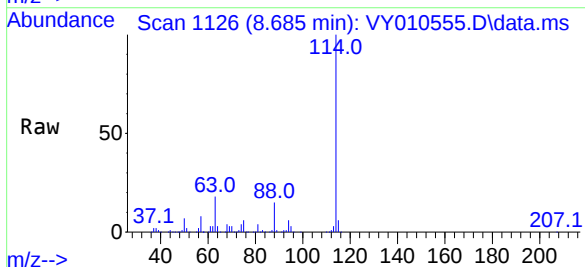
Tgt Ion: 114 Resp: 428722

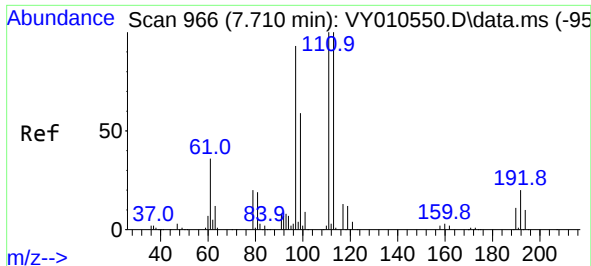
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 15.1 0.0 31.8

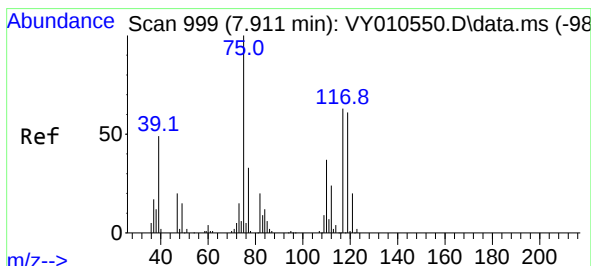
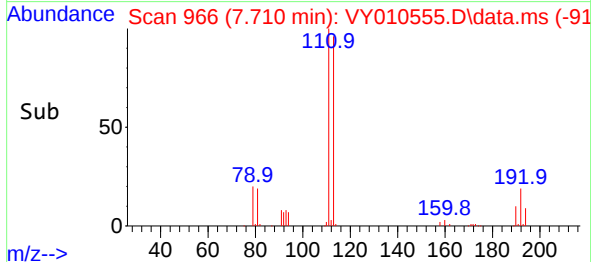
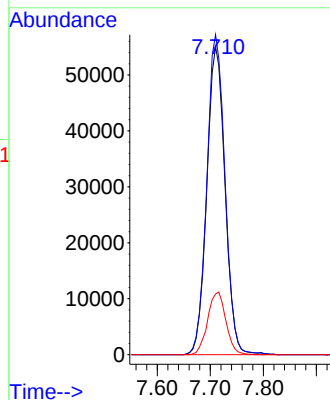
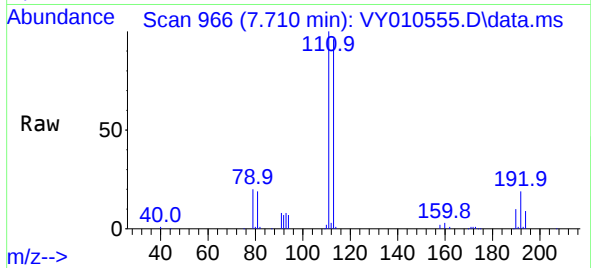




#35
Dibromofluoromethane
Concen: 47.966 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

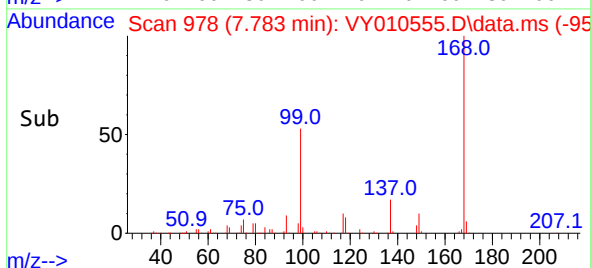
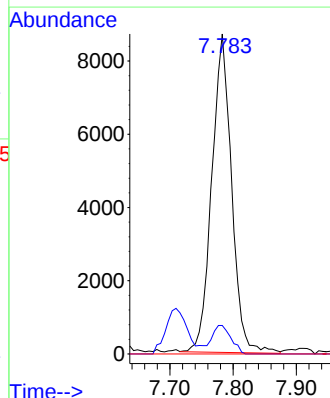
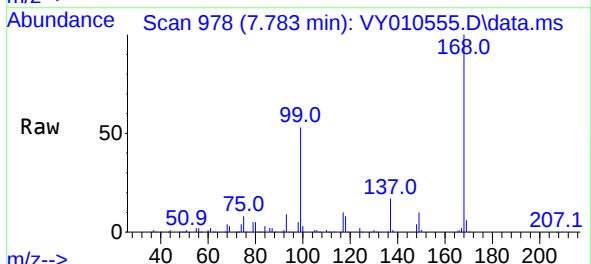
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

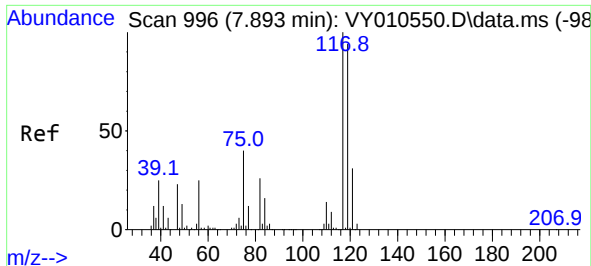
Tgt Ion:113 Resp: 131240
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 20.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.202 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 75 Resp: 18907
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#

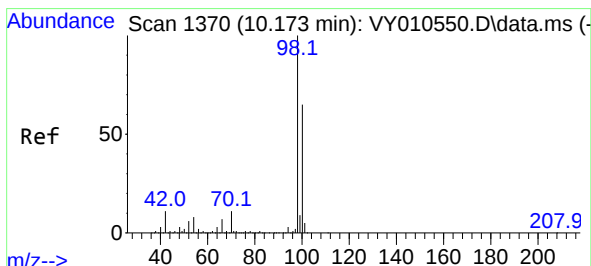
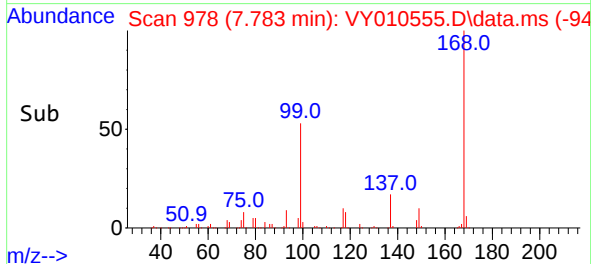
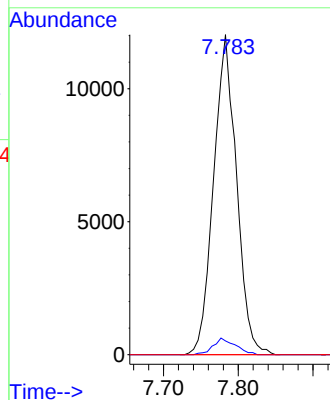
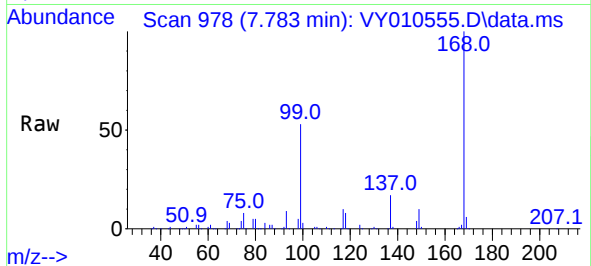




#38
Carbon Tetrachloride
Concen: 7.309 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

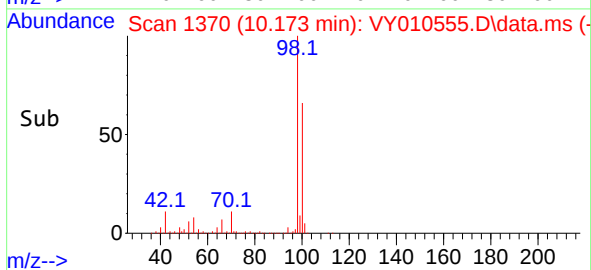
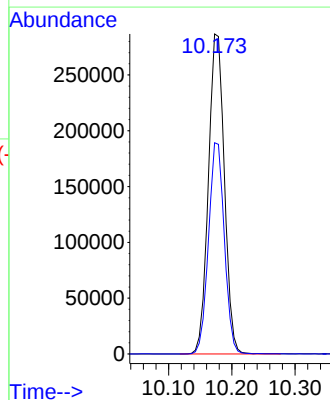
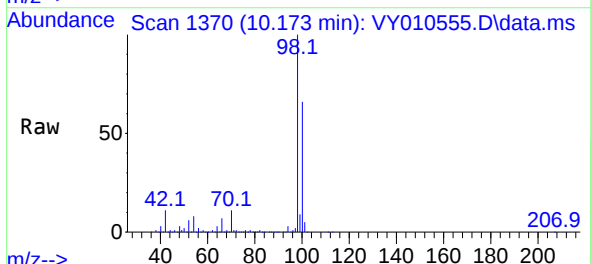
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

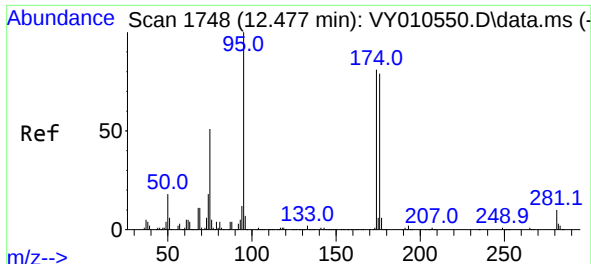
Tgt Ion:117 Resp: 25622
Ion Ratio Lower Upper
117 100
119 4.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.853 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 98 Resp: 504015
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

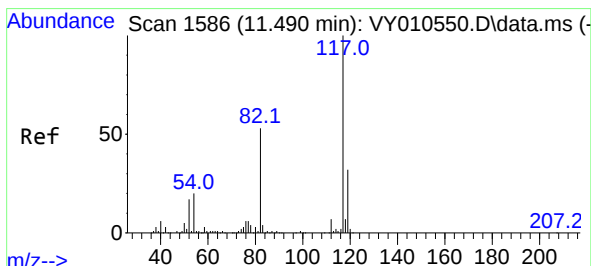
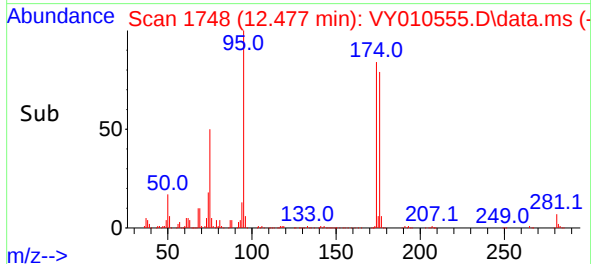
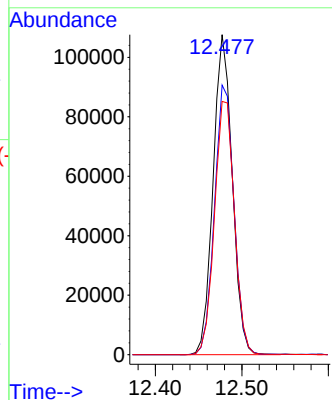
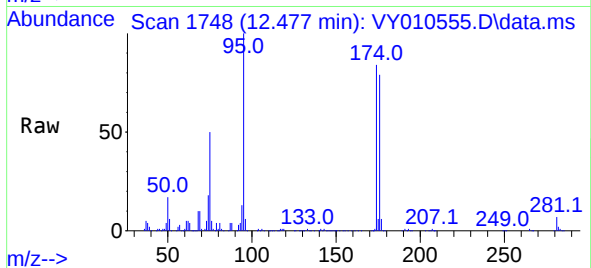




#62
4-Bromofluorobenzene
Concen: 43.648 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

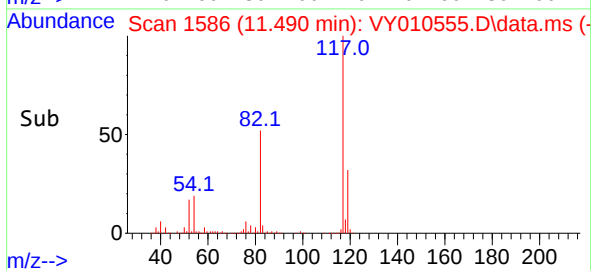
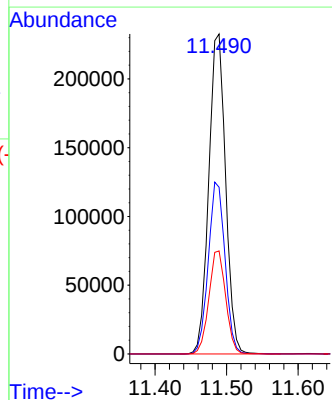
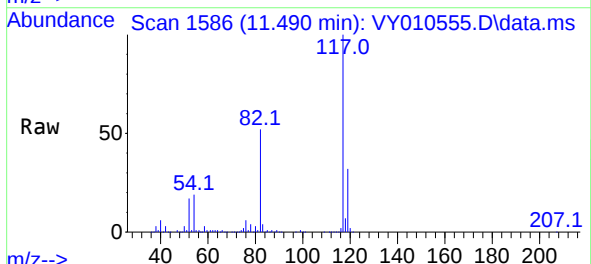
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

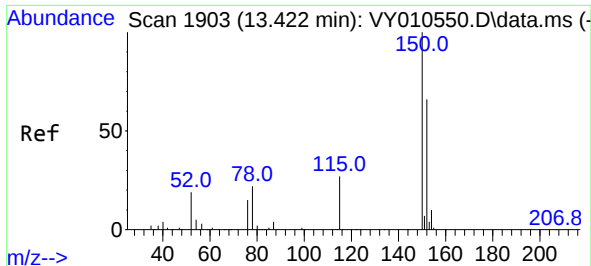
Tgt Ion: 95 Resp: 165091
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 82.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 117 Resp: 380553
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 32.2 25.4 38.0

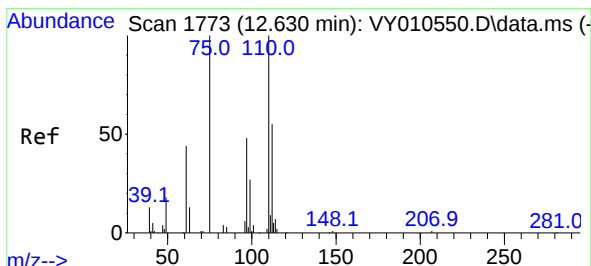
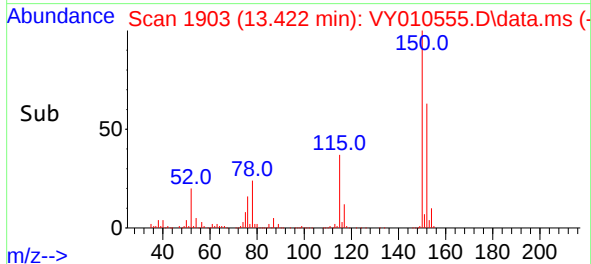
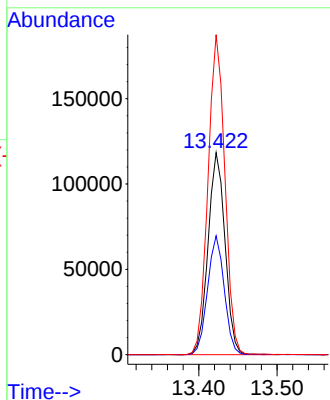
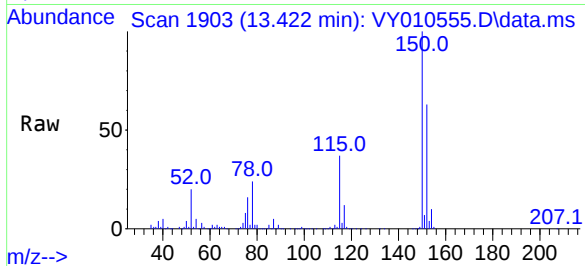




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

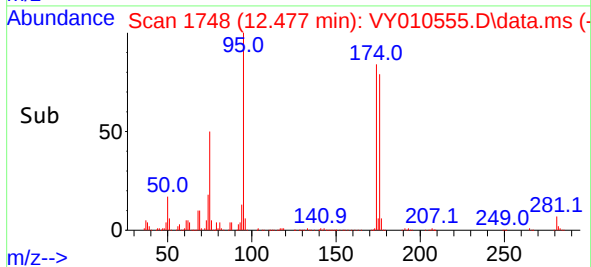
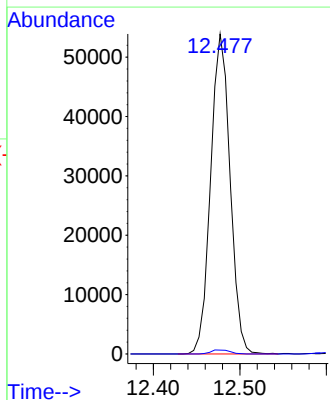
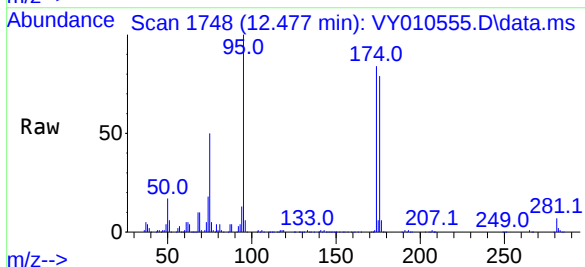
Instrument :
MSVOA_Y
ClientSampleId :
VY0919SBL01

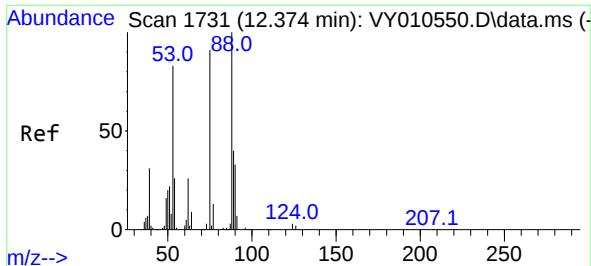
Tgt Ion:152 Resp: 177969
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 157.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 49.568 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010555.D
Acq: 19 Sep 2022 16:51

Tgt Ion: 75 Resp: 84196
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.211 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010555.D
 Acq: 19 Sep 2022 16:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0919SBL01

Tgt Ion: 75 Resp: 84196
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.2 37.0 55.4#

