

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010563.D
 Acq On : 19 Sep 2022 19:58
 Operator : KP/MD
 Sample : N4641-05
 Misc : 7.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22023-18

Quant Time: Sep 20 01:06:08 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)

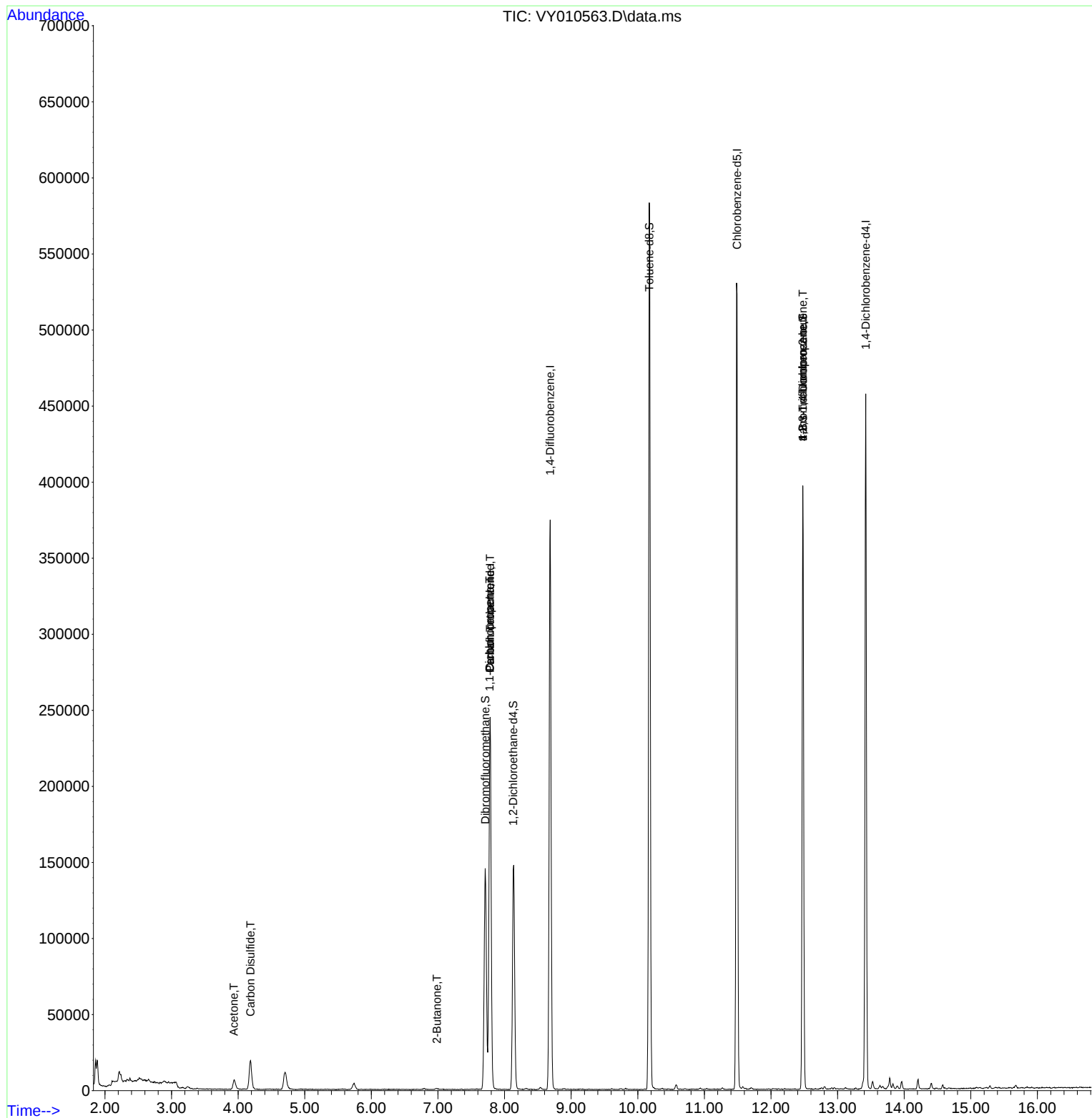
Internal Standards						
1) Pentafluorobenzene	7.783	168	193130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	329983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	297095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	114823	62.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.320%	
35) Dibromofluoromethane	7.710	113	102850	48.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.680%	
50) Toluene-d8	10.173	98	387707	49.825	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	12.477	95	119736	40.964	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.920%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	39	Below Cal	#	43
3) Chloromethane	2.107	50	791	Below Cal	#	84
4) Vinyl Chloride	2.247	62	19	Below Cal	#	43
5) Bromomethane	2.656	94	406	Below Cal		83
11) Tert butyl alcohol	4.942	59	282	Below Cal	#	77
16) Acetone	3.936	43	11246	29.854	ug/l #	87
17) Carbon Disulfide	4.186	76	38160	10.630	ug/l	97
18) Methyl Acetate	4.466	43	471	Below Cal	#	67
20) Methylene Chloride	4.704	84	8942	Below Cal	#	78
25) 2-Butanone	6.984	43	982	1.667	ug/l #	54
31) Cyclohexane	7.783	56	3918	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	14604	6.224	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19273	7.143	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	60515	54.405	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60515	120.966	ug/l #	7

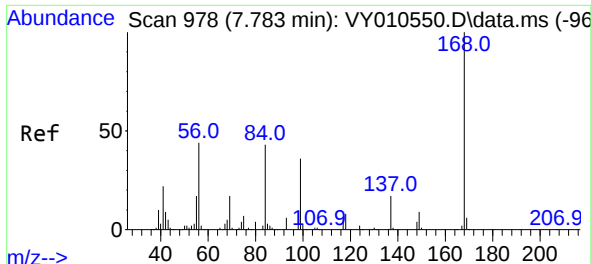
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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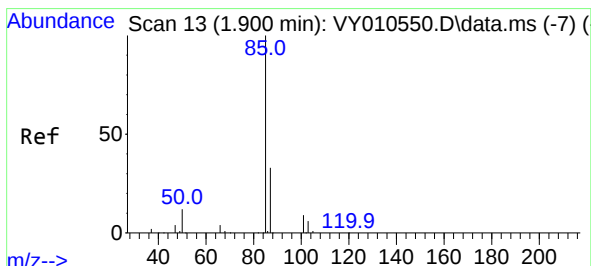
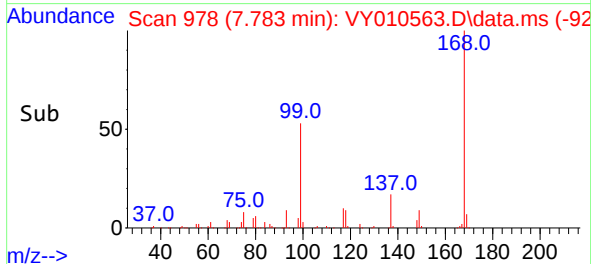
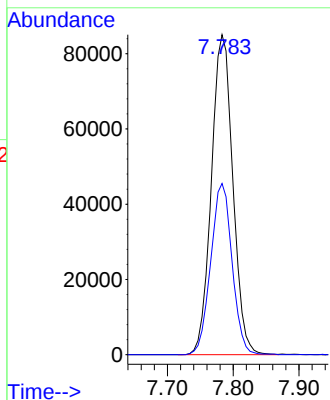
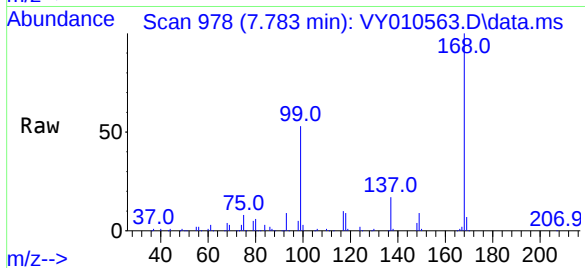




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

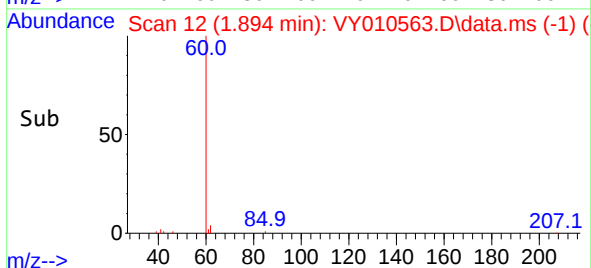
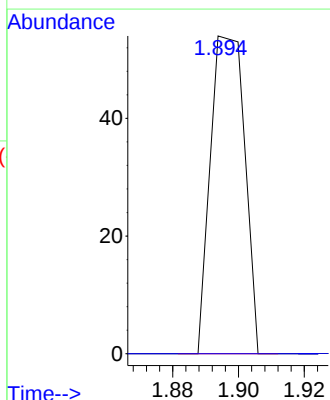
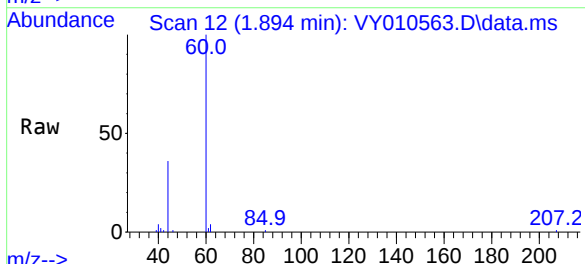
Instrument :
MSVOA_Y
ClientSampleId :
D22023-18

Tgt Ion:168 Resp: 193130
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

Tgt Ion: 85 Resp: 39
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

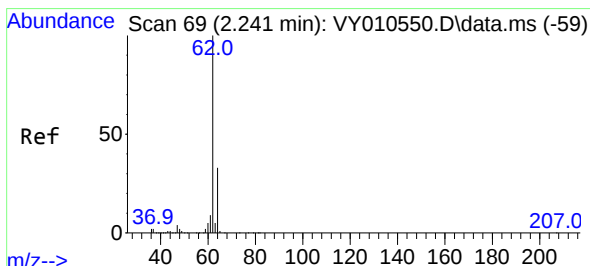
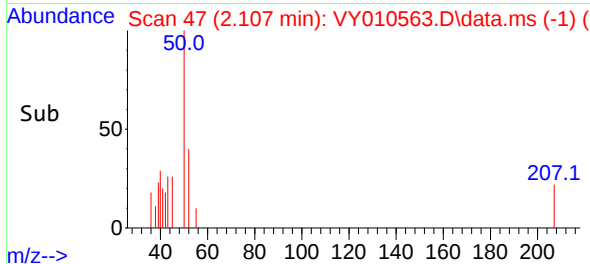
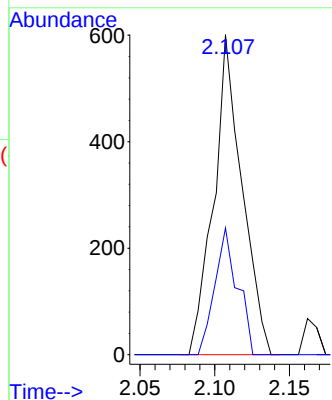
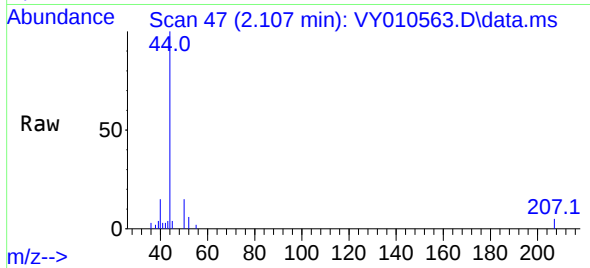




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

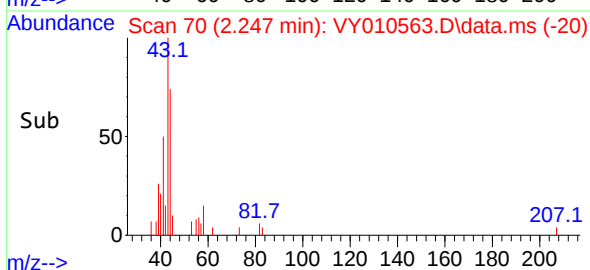
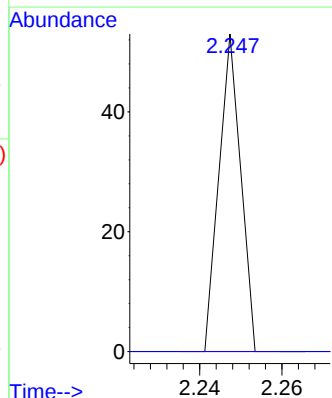
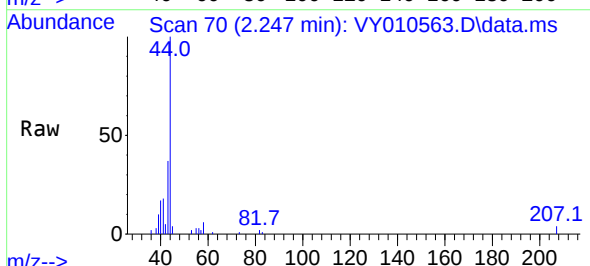
Instrument :
MSVOA_Y
ClientSampleId :
D22023-18

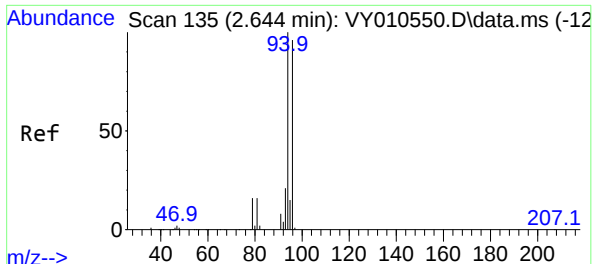
Tgt Ion: 50 Resp: 791
Ion Ratio Lower Upper
50 100
52 39.6 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.006 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

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

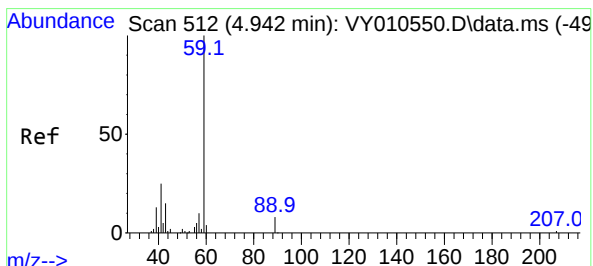
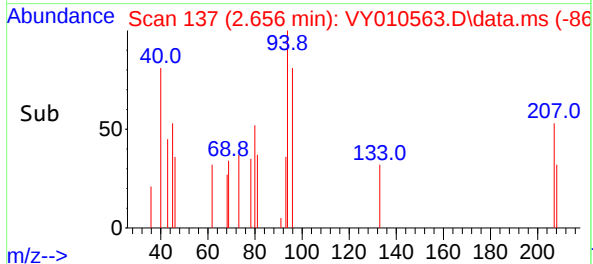
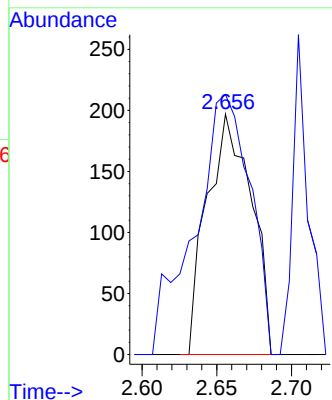
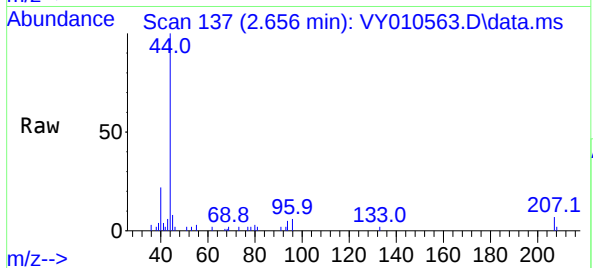




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

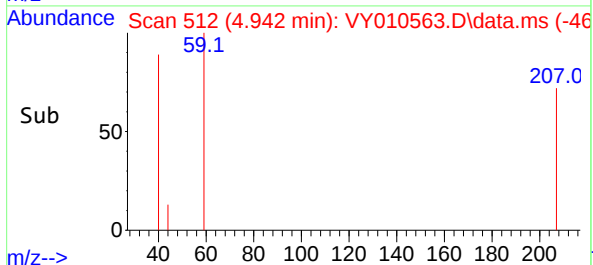
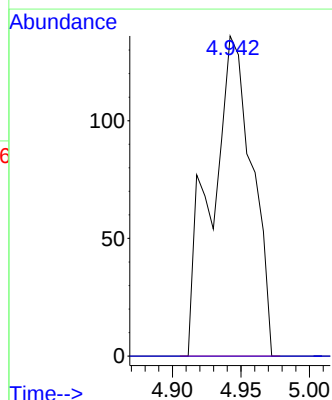
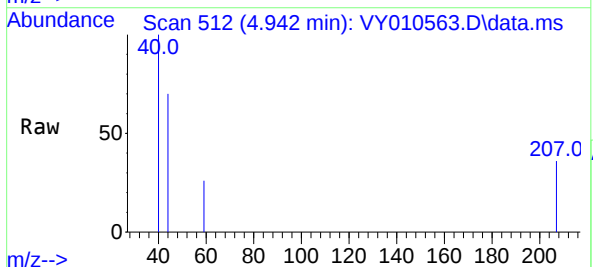
Instrument :
MSVOA_Y
ClientSampleId :
D22023-18

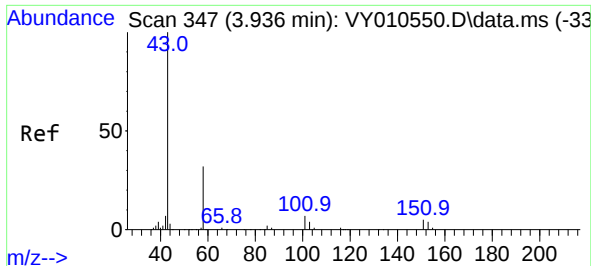
Tgt Ion: 94 Resp: 406
Ion Ratio Lower Upper
94 100
96 108.1 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. 0.000 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

Tgt Ion: 59 Resp: 282
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

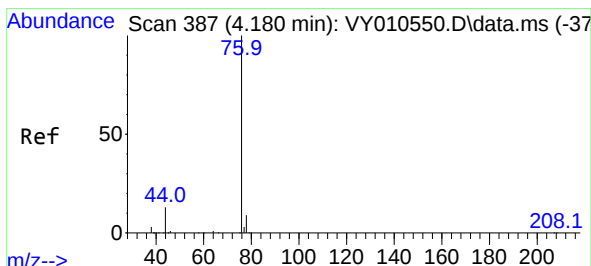
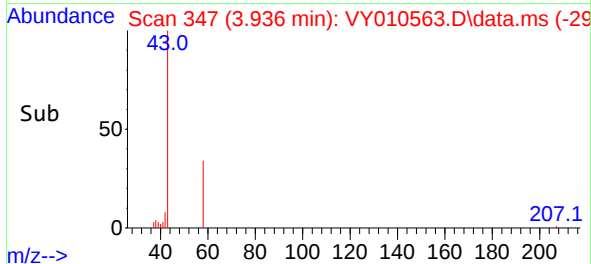
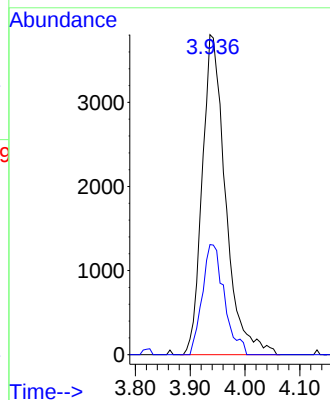
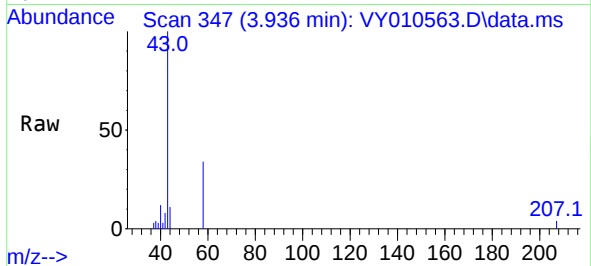




#16
Acetone
Concen: 29.854 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

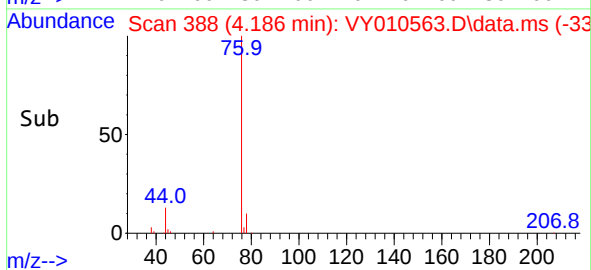
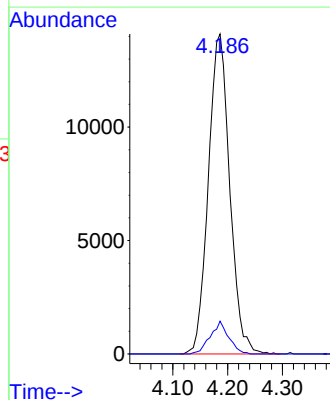
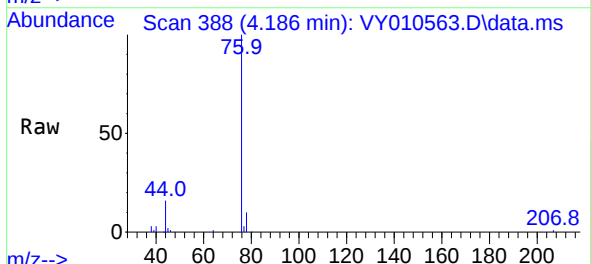
Instrument :
MSVOA_Y
ClientSampleId :
D22023-18

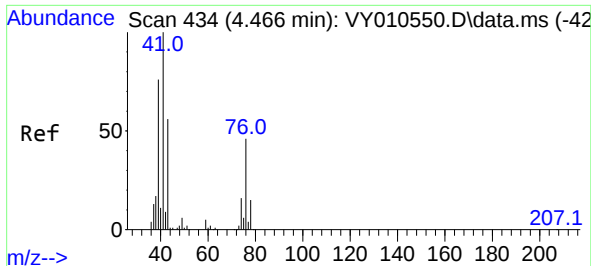
Tgt Ion: 43 Resp: 11246
Ion Ratio Lower Upper
43 100
58 34.4 22.0 33.0#



#17
Carbon Disulfide
Concen: 10.630 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

Tgt Ion: 76 Resp: 38160
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0

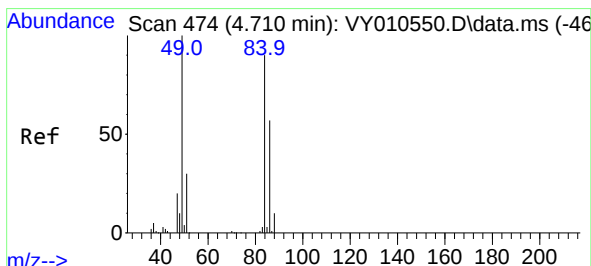
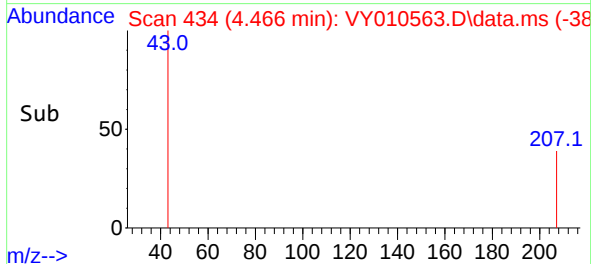
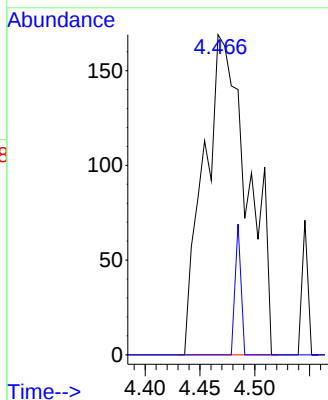
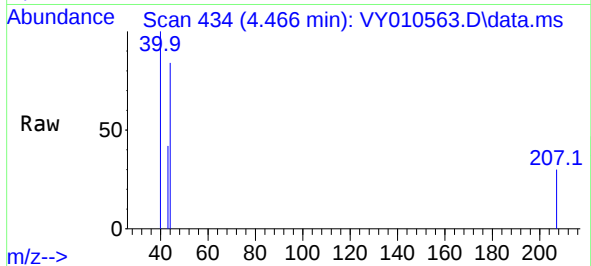




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

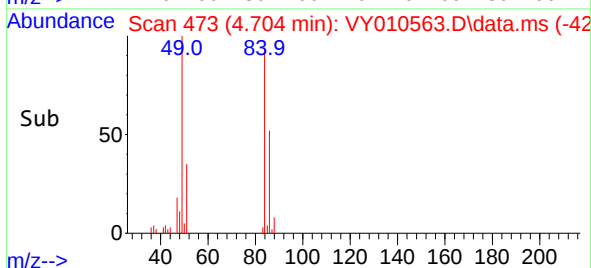
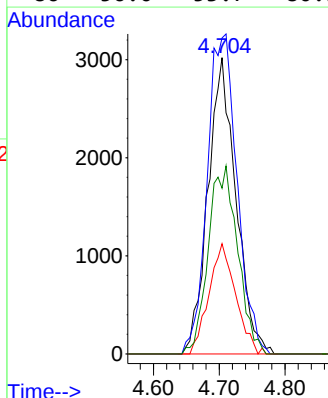
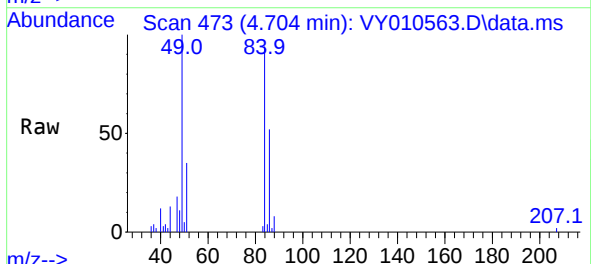
Instrument :
MSVOA_Y
ClientSampleId :
D22023-18

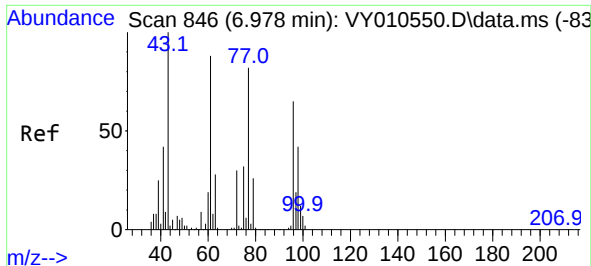
Tgt Ion: 43 Resp: 471
Ion Ratio Lower Upper
43 100
74 5.3 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

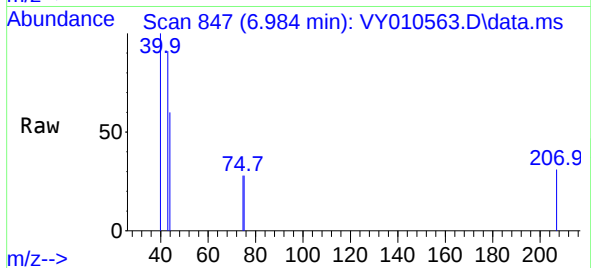
Tgt Ion: 84 Resp: 8942
Ion Ratio Lower Upper
84 100
49 106.7 114.4 171.6#
51 37.2 35.3 52.9
86 56.0 53.7 80.5



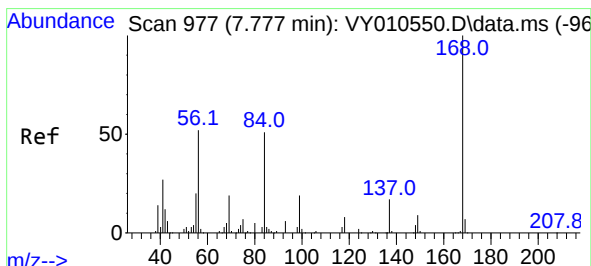
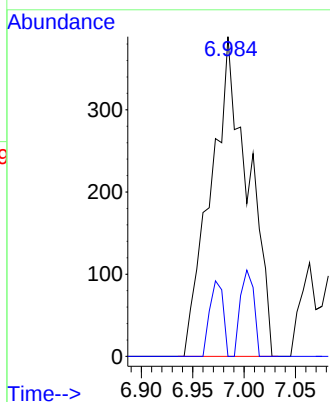
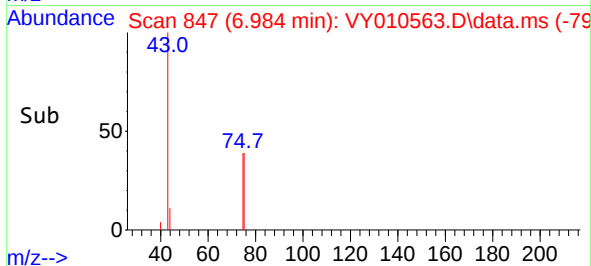


#25
2-Butanone
Concen: 1.667 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

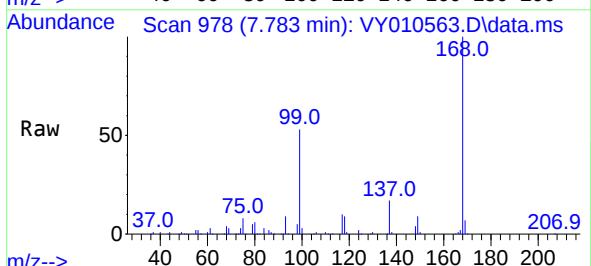
Instrument :
MSVOA_Y
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D22023-18



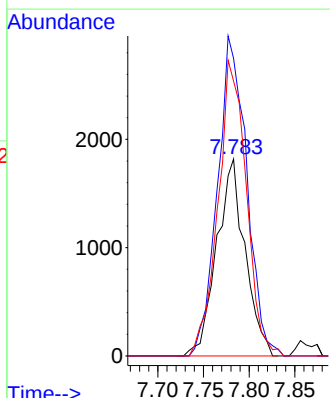
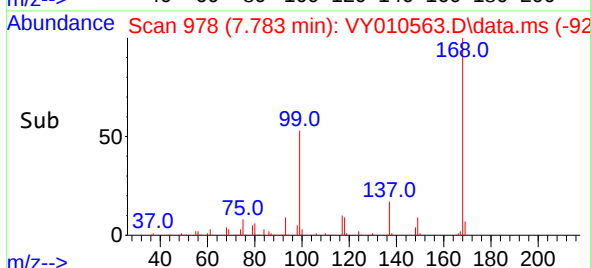
Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

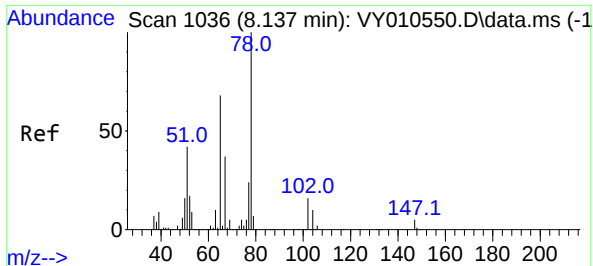


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58



Tgt Ion: 56 Resp: 3918
Ion Ratio Lower Upper
56 100
69 151.2 26.7 40.1#
84 139.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.159 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY010563.D

Acq: 19 Sep 2022 19:58

Instrument :

MSVOA_Y

ClientSampleId :

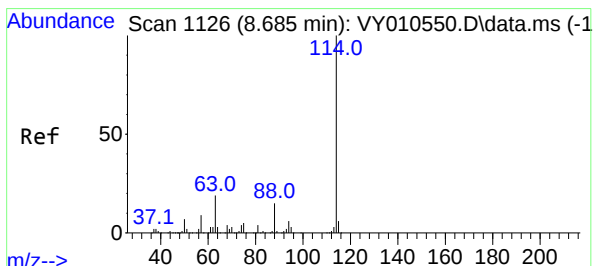
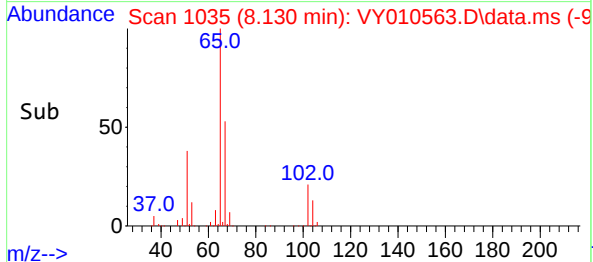
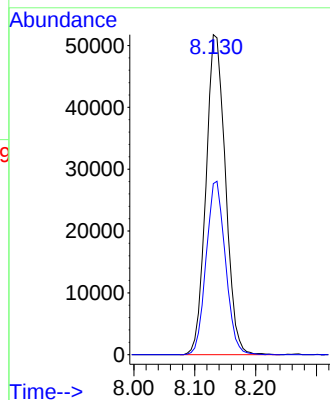
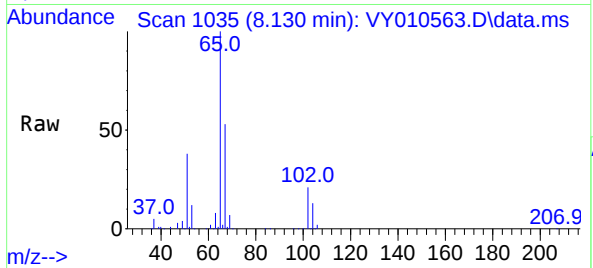
D22023-18

Tgt Ion: 65 Resp: 114823

Ion Ratio Lower Upper

65 100

67 53.6 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: VY010563.D

Acq: 19 Sep 2022 19:58

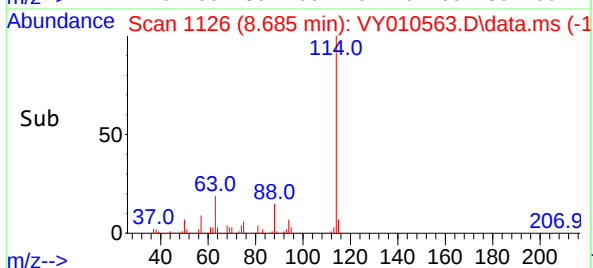
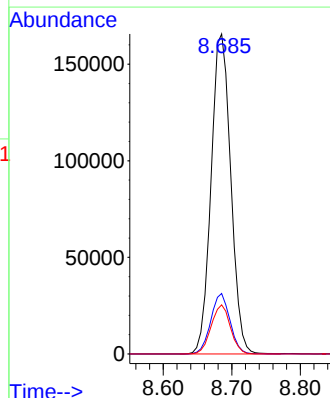
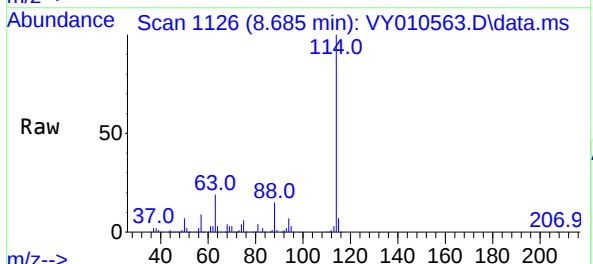
Tgt Ion:114 Resp: 329983

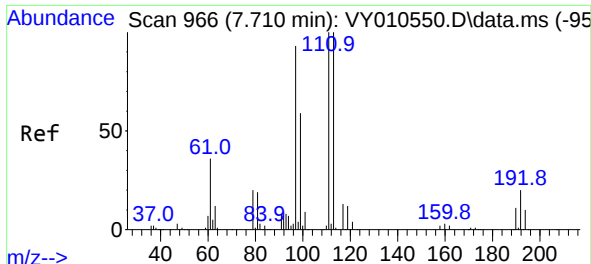
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.3 0.0 31.8

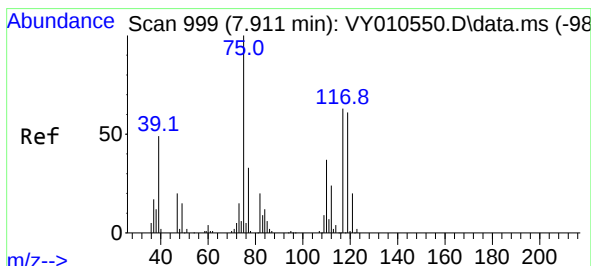
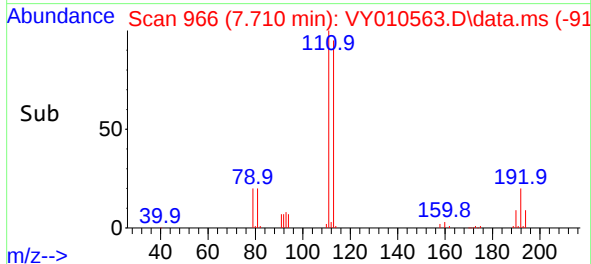
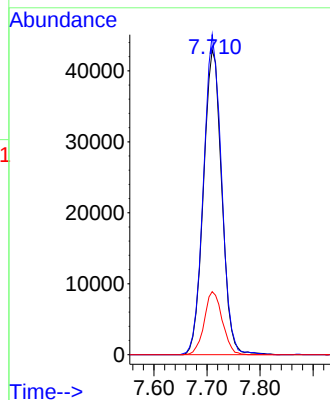
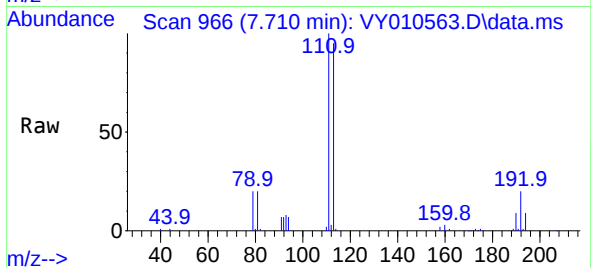




#35
Dibromofluoromethane
Concen: 48.838 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

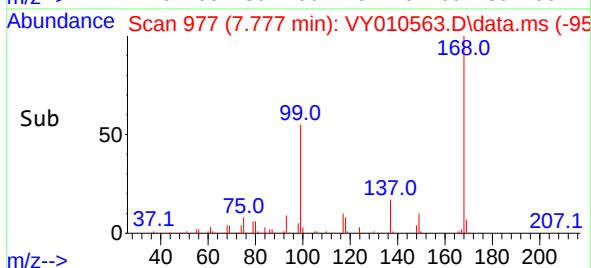
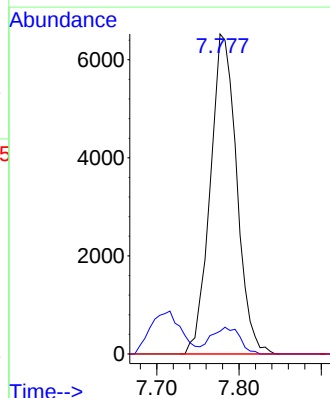
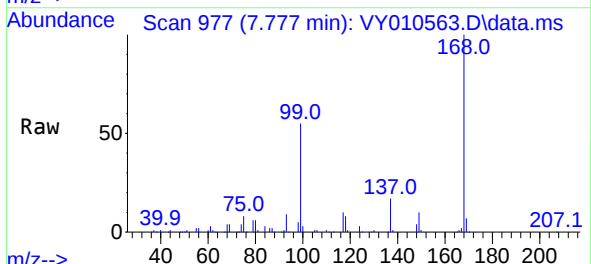
Instrument :
MSVOA_Y
ClientSampleId :
D22023-18

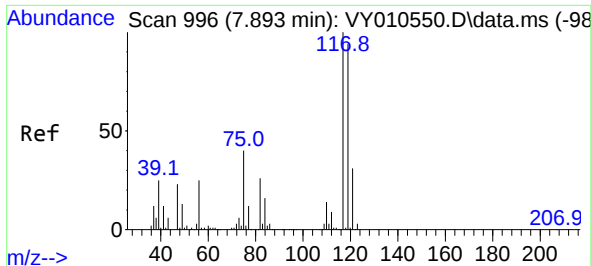
Tgt Ion:113 Resp: 102850
Ion Ratio Lower Upper
113 100
111 103.6 82.6 124.0
192 20.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.224 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

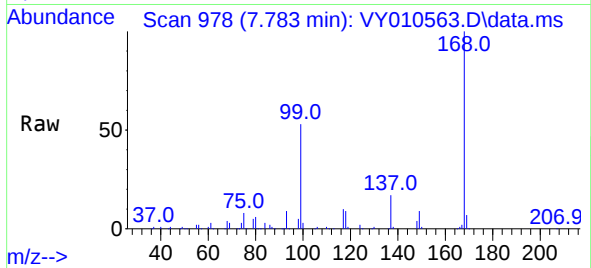
Tgt Ion: 75 Resp: 14604
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



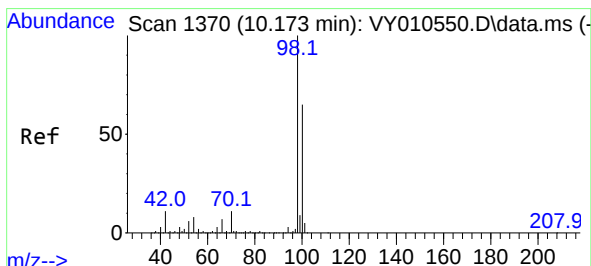
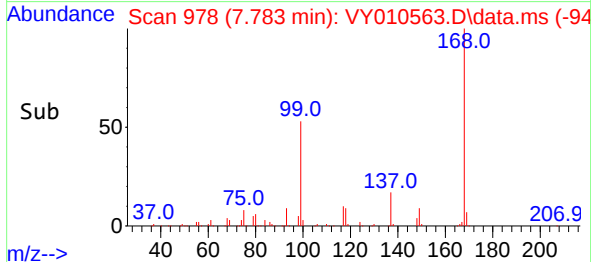
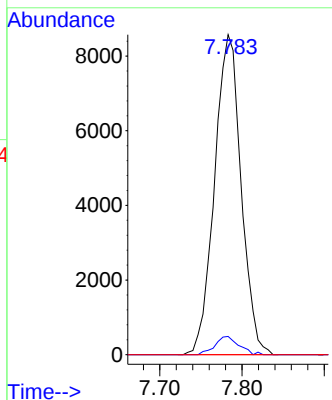


#38
Carbon Tetrachloride
Concen: 7.143 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

Instrument :
MSVOA_Y
ClientSampleId :
D22023-18

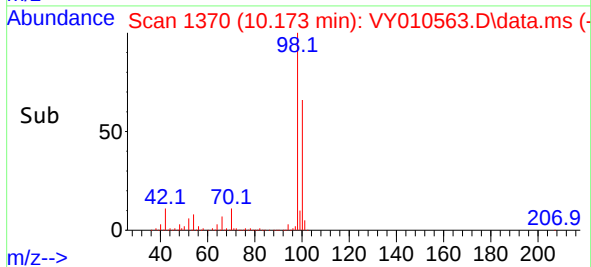
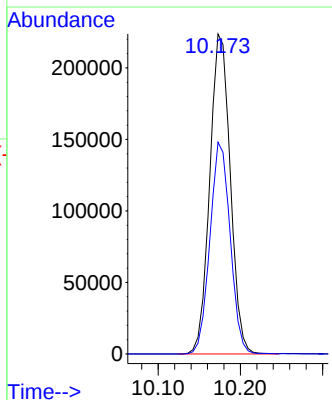
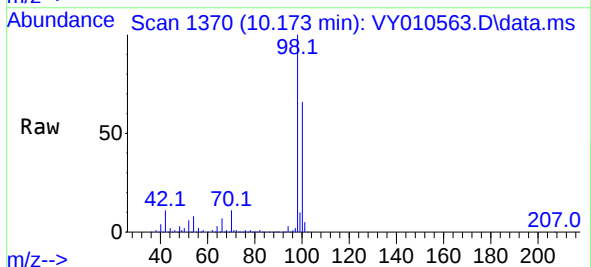


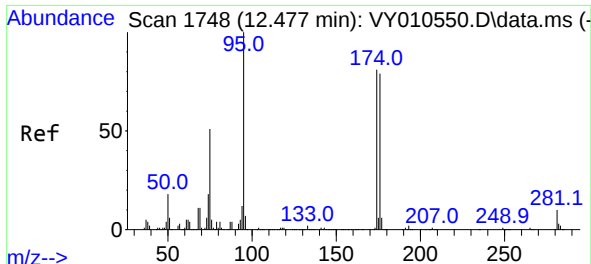
Tgt Ion:117 Resp: 19273
Ion Ratio Lower Upper
117 100
119 5.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.825 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010563.D
Acq: 19 Sep 2022 19:58

Tgt Ion: 98 Resp: 387707
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 40.964 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010563.D

Acq: 19 Sep 2022 19:58

Instrument :

MSVOA_Y

ClientSampleId :

D22023-18

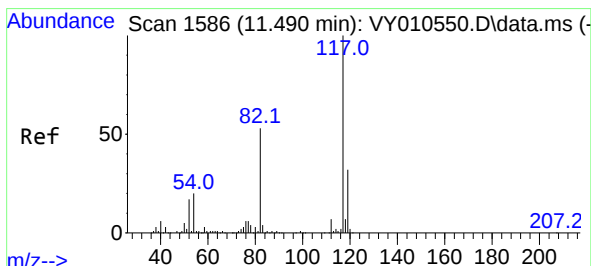
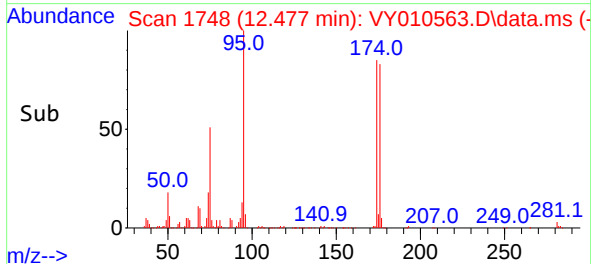
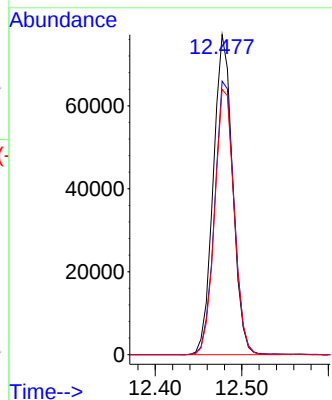
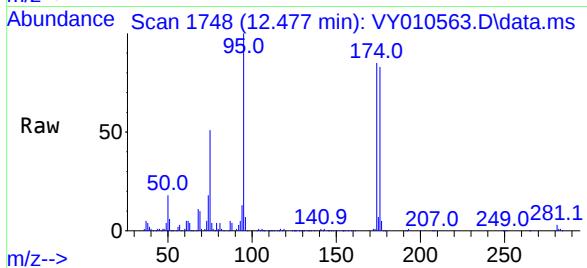
Tgt Ion: 95 Resp: 119736

Ion Ratio Lower Upper

95 100

174 86.2 0.0 177.0

176 83.6 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: VY010563.D

Acq: 19 Sep 2022 19:58

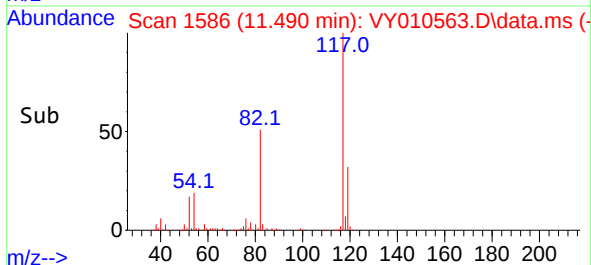
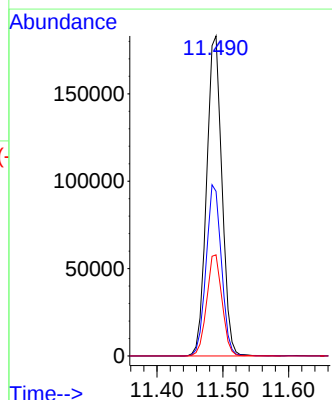
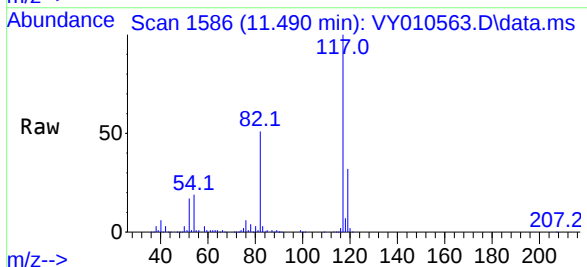
Tgt Ion: 117 Resp: 297095

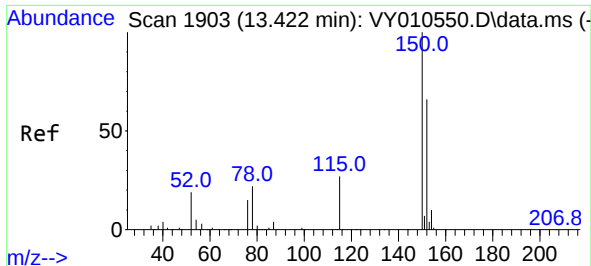
Ion Ratio Lower Upper

117 100

82 51.5 43.0 64.4

119 31.6 25.4 38.0

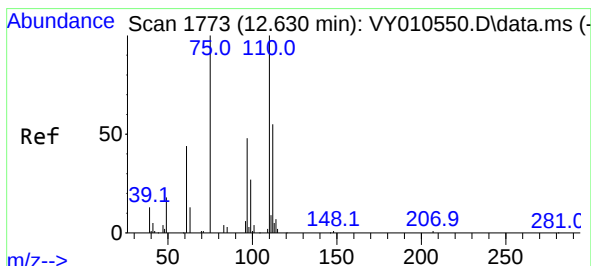
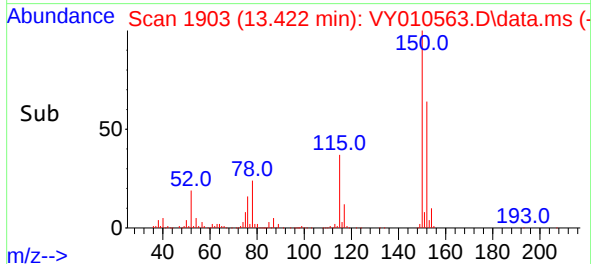
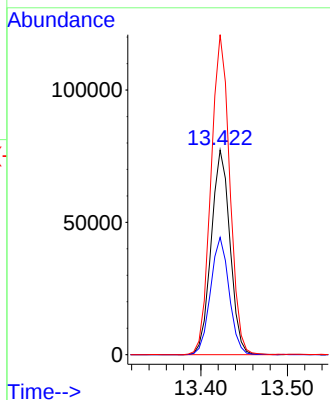
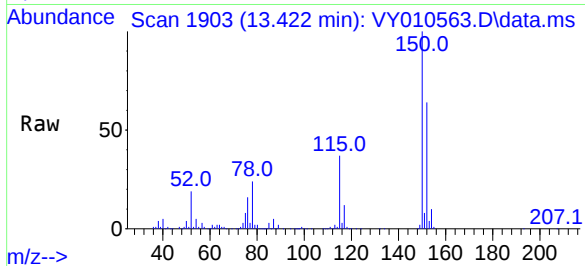




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY010563.D
 Acq: 19 Sep 2022 19:58

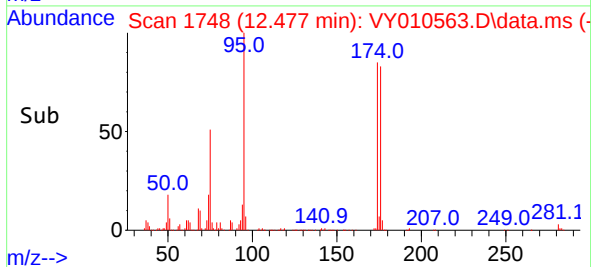
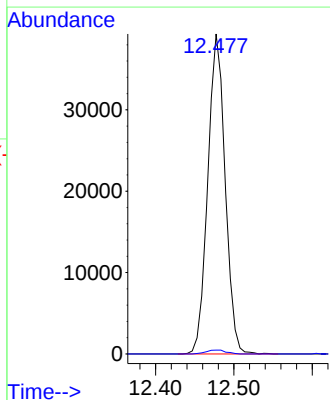
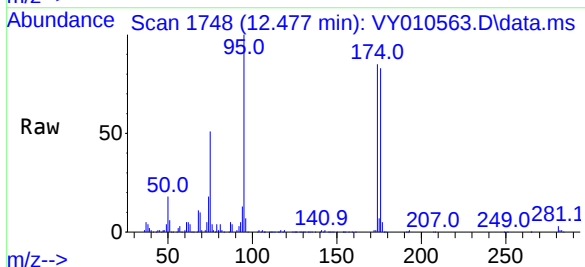
Instrument :
 MSVOA_Y
 ClientSampleId :
 D22023-18

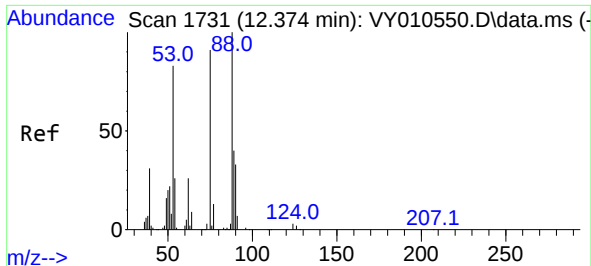
Tgt Ion:152 Resp: 116541
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.2 84.7
 150 156.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 54.405 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010563.D
 Acq: 19 Sep 2022 19:58

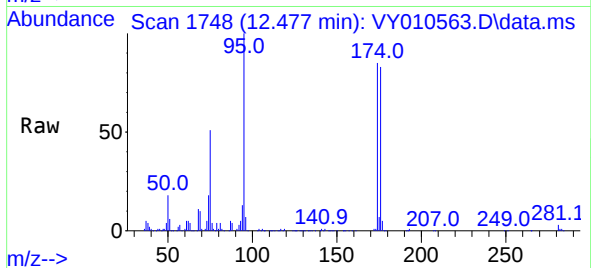
Tgt Ion: 75 Resp: 60515
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.966 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010563.D
 Acq: 19 Sep 2022 19:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22023-18



Tgt Ion: 75 Resp: 60515
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.1 37.0 55.4#

