

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010623\
 Data File : VY012096.D
 Acq On : 06 Jan 2023 17:01
 Operator : KP/MD
 Sample : 01043-01
 Misc : 6.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-203

Quant Time: Jan 07 01:49:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	180971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	306950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	291615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138470	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	112429	55.288	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.580%
35) Dibromofluoromethane	7.716	113	95054	47.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.220%
50) Toluene-d8	10.179	98	371808	46.691	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.380%
62) 4-Bromofluorobenzene	12.483	95	123923	44.521	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.040%

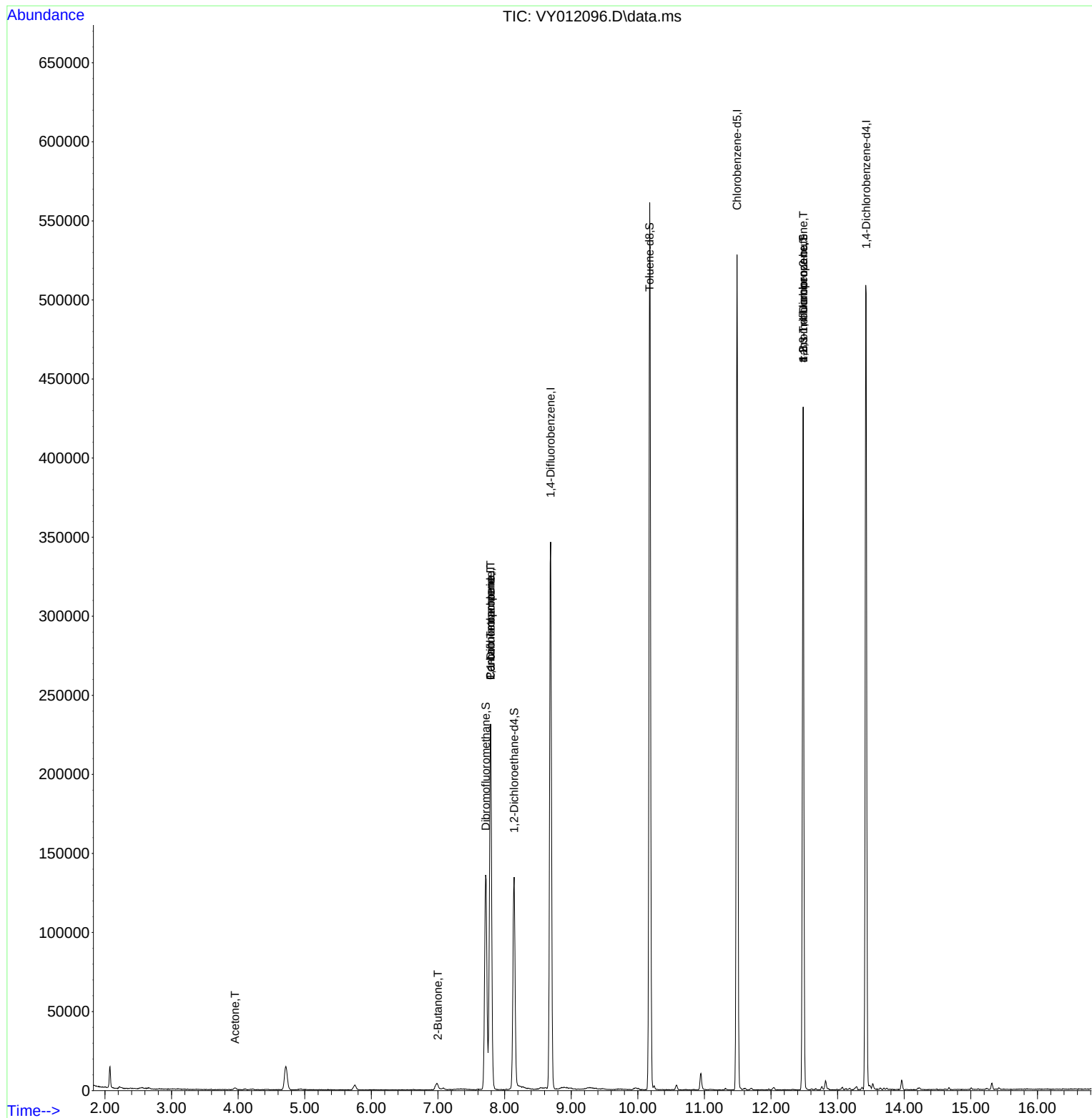
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.906	85	63	Below Cal	#	41
3) Chloromethane	2.113	50	230	Below Cal	#	41
5) Bromomethane	2.656	94	336	Below Cal	#	68
11) Tert butyl alcohol	4.948	59	699	Below Cal	#	74
16) Acetone	3.954	43	2218	4.637	ug/l	100
25) 2-Butanone	6.996	43	1583	2.508	ug/l	93
31) Cyclohexane	7.783	56	3442	Below Cal	#	22
36) 1,1-Dichloropropene	7.789	75	12263	4.006	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18530	4.770	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	66365	41.975	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	66365	93.221	ug/l #	13

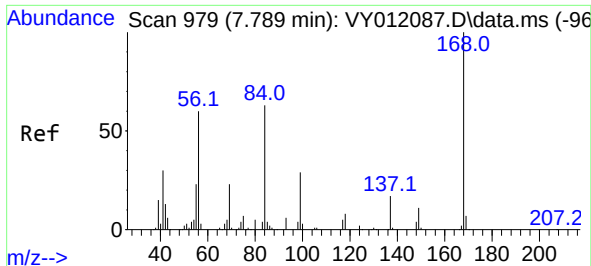
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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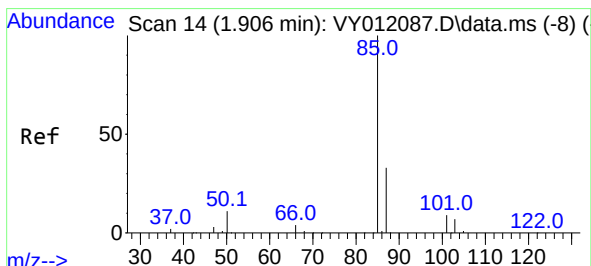
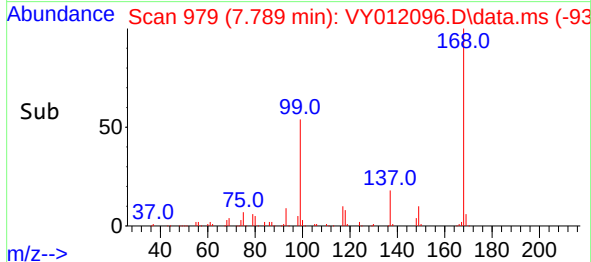
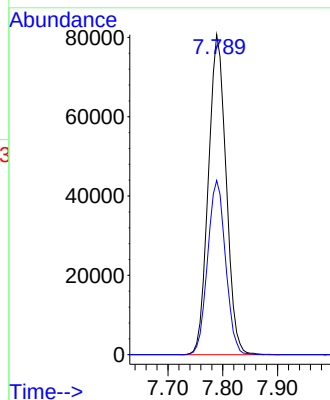
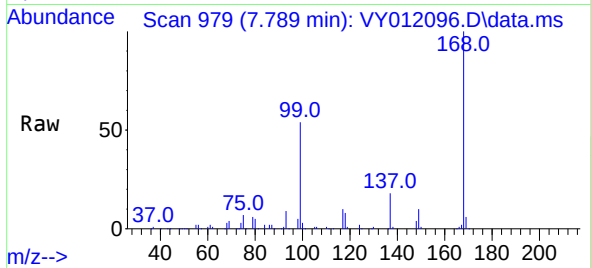




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

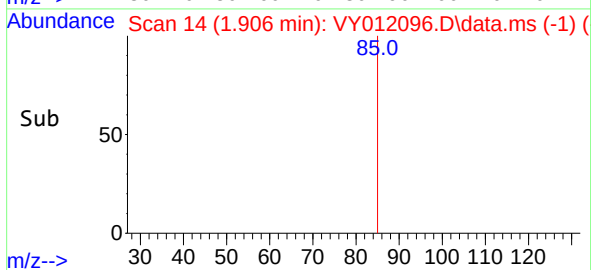
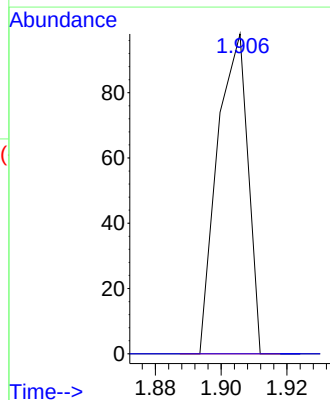
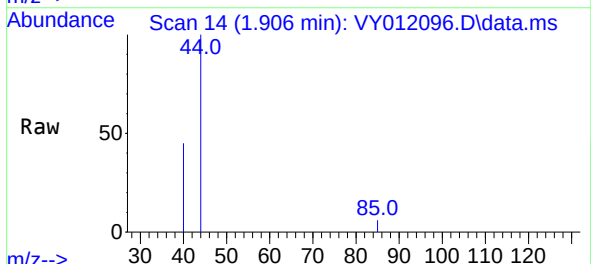
Instrument :
MSVOA_Y
ClientSampleId :
TP-203

Tgt Ion:168 Resp: 180971
Ion Ratio Lower Upper
168 100
99 54.5 44.0 66.0

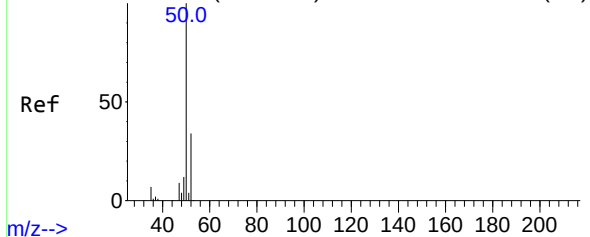


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

Tgt Ion: 85 Resp: 63
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

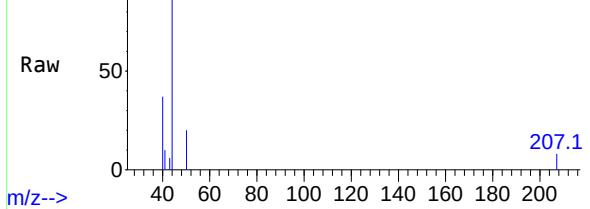


Abundance Scan 48 (2.113 min): VY012087.D\data.ms (-38)



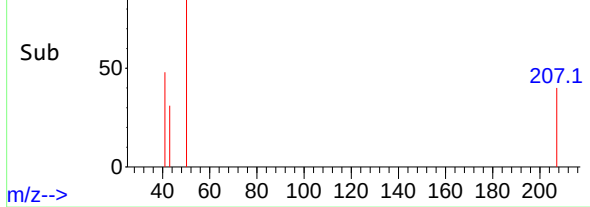
m/z-->

Abundance Scan 48 (2.113 min): VY012096.D\data.ms



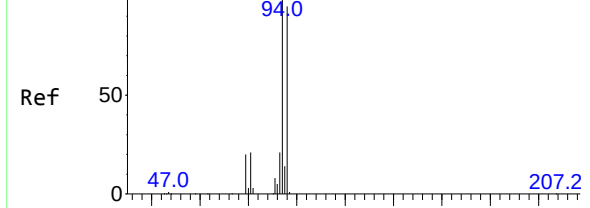
m/z-->

Abundance Scan 48 (2.113 min): VY012096.D\data.ms (-1)



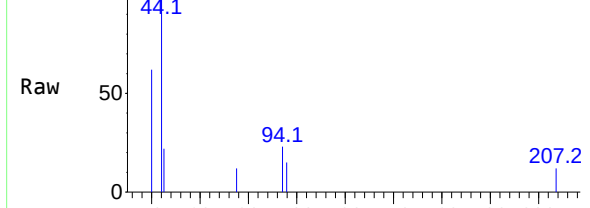
m/z-->

Abundance Scan 136 (2.650 min): VY012087.D\data.ms (-12)



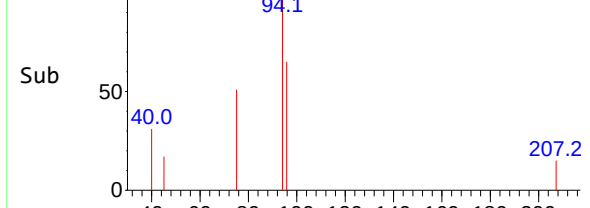
m/z-->

Abundance Scan 137 (2.656 min): VY012096.D\data.ms



m/z-->

Abundance Scan 137 (2.656 min): VY012096.D\data.ms (-87)



m/z-->

#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012096.D

Acq: 06 Jan 2023 17:01

Instrument :

MSVOA_Y

ClientSampleId :

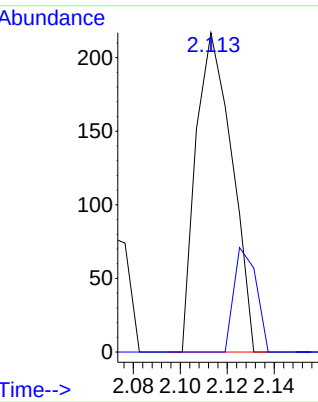
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Tgt Ion: 50 Resp: 230

Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



#5

Bromomethane

Concen: Below Cal

RT: 2.656 min Scan# 137

Delta R.T. 0.006 min

Lab File: VY012096.D

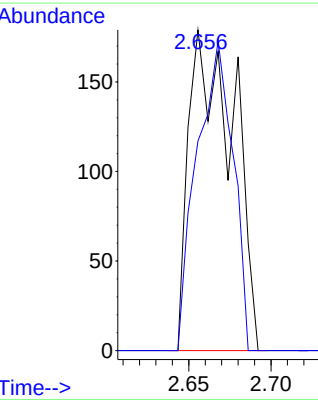
Acq: 06 Jan 2023 17:01

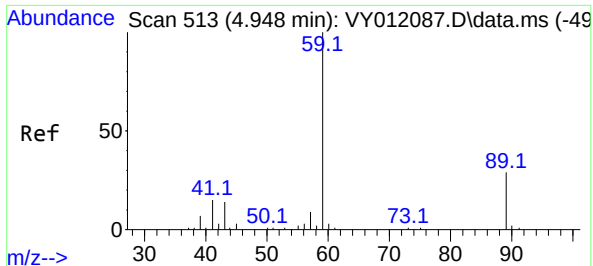
Tgt Ion: 94 Resp: 336

Ion Ratio Lower Upper

94 100

96 65.4 77.4 116.2#

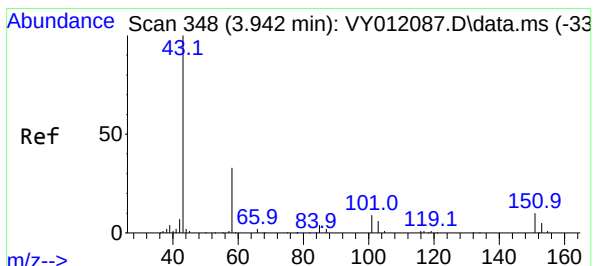
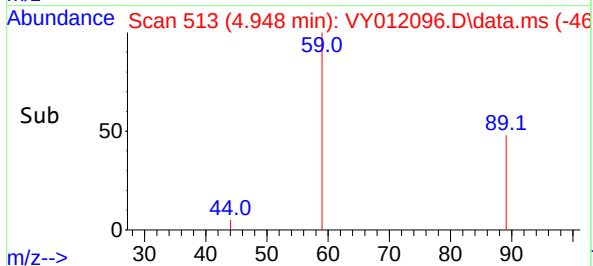
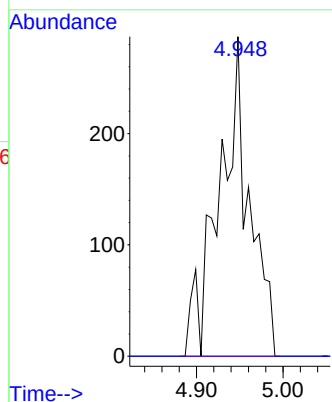
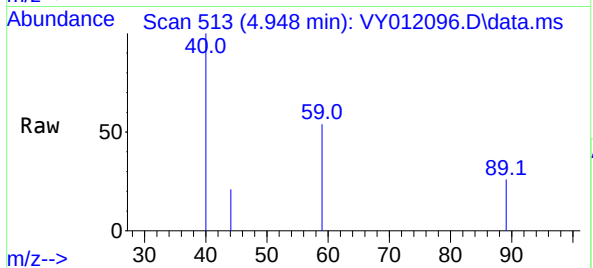




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

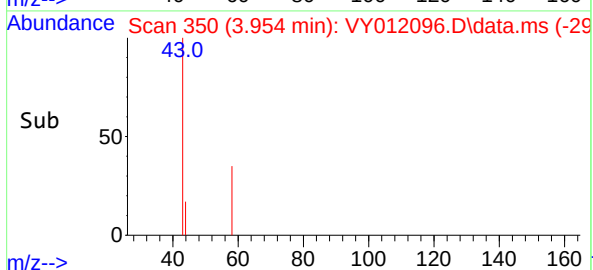
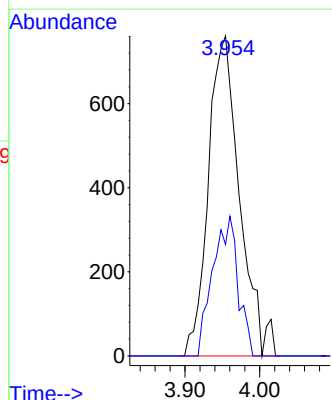
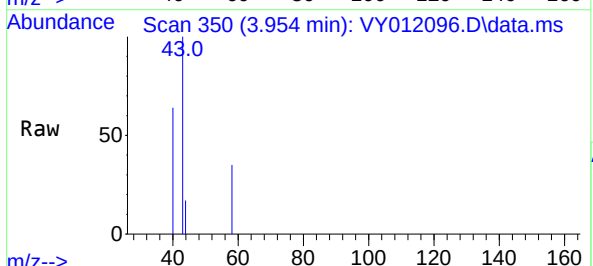
Instrument :
MSVOA_Y
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TP-203

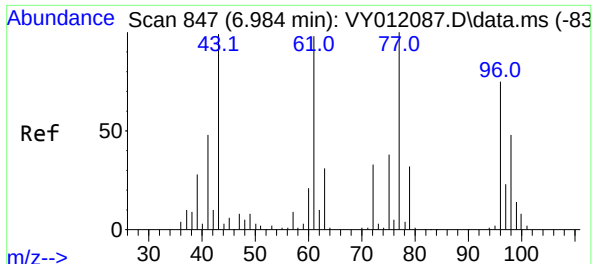
Tgt Ion: 59 Resp: 699
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 4.637 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

Tgt Ion: 43 Resp: 2218
Ion Ratio Lower Upper
43 100
58 34.8 27.9 41.9





#25

2-Butanone

Concen: 2.508 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY012096.D

Acq: 06 Jan 2023 17:01

Instrument :

MSVOA_Y

ClientSampleId :

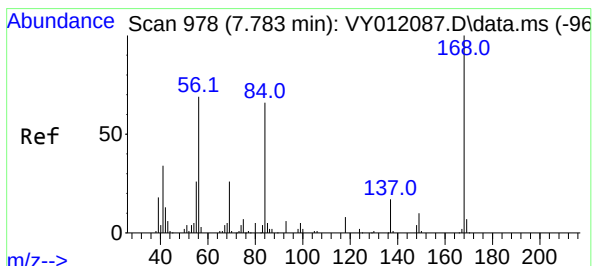
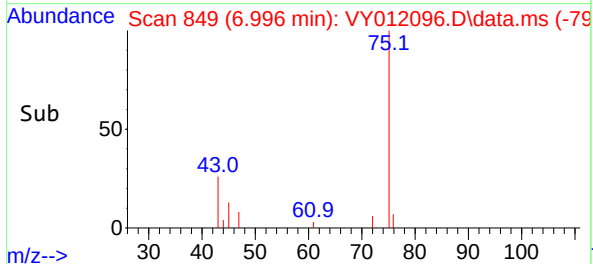
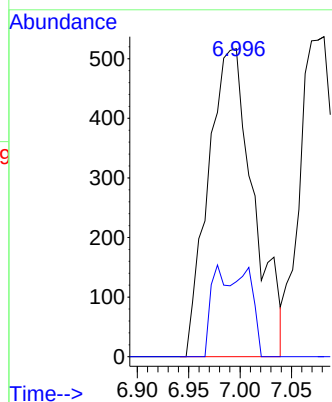
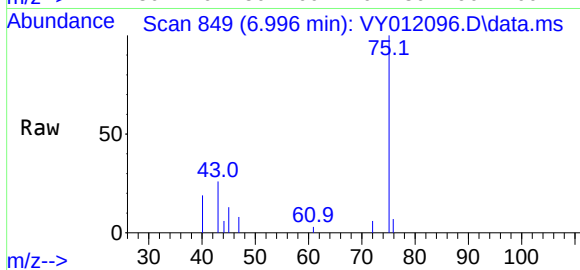
TP-203

Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

43 100

72 24.4 22.6 34.0



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY012096.D

Acq: 06 Jan 2023 17:01

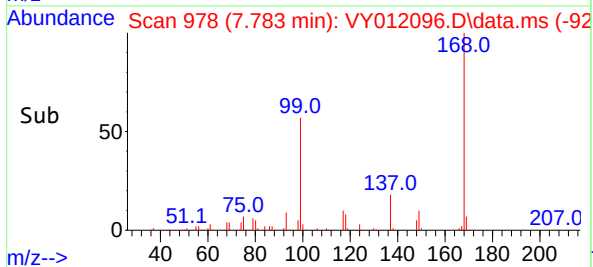
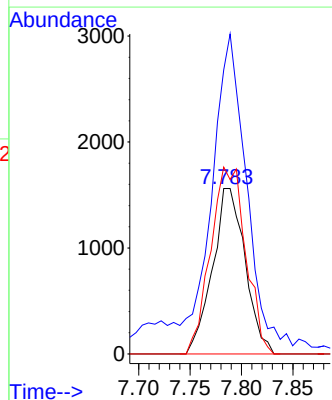
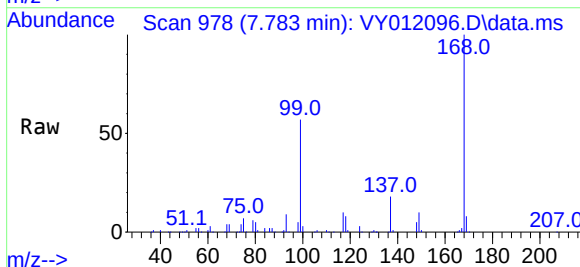
Tgt Ion: 56 Resp: 3442

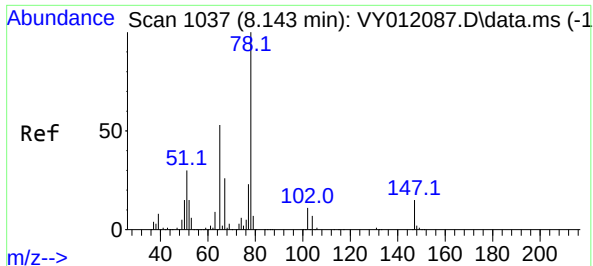
Ion Ratio Lower Upper

56 100

69 163.0 29.2 43.8#

84 113.0 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 55.288 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY012096.D

Acq: 06 Jan 2023 17:01

Instrument :

MSVOA_Y

ClientSampleId :

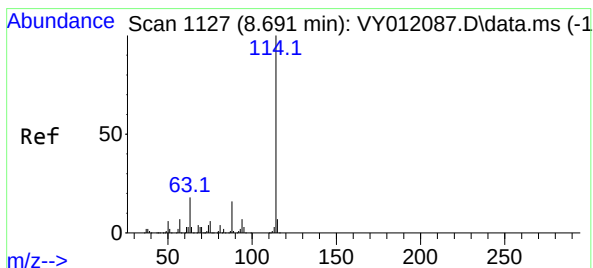
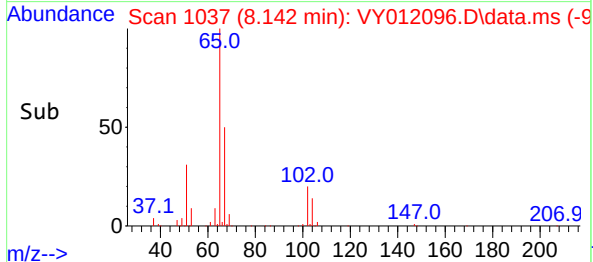
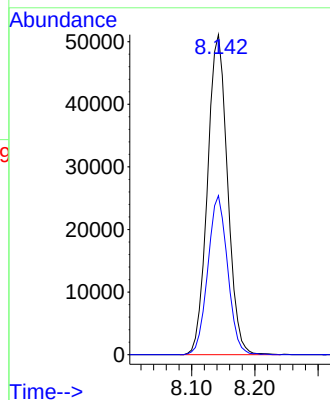
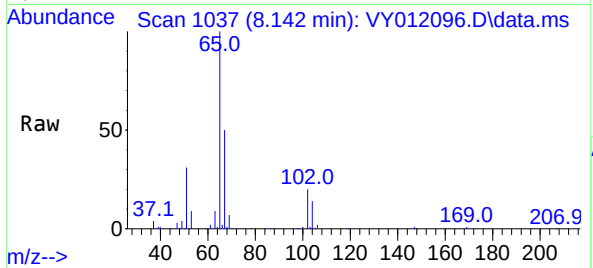
TP-203

Tgt Ion: 65 Resp: 112429

Ion Ratio Lower Upper

65 100

67 49.1 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012096.D

Acq: 06 Jan 2023 17:01

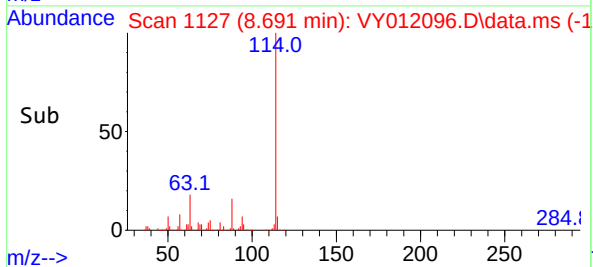
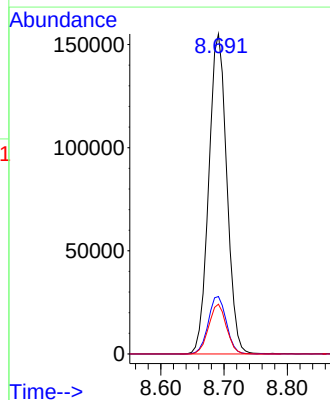
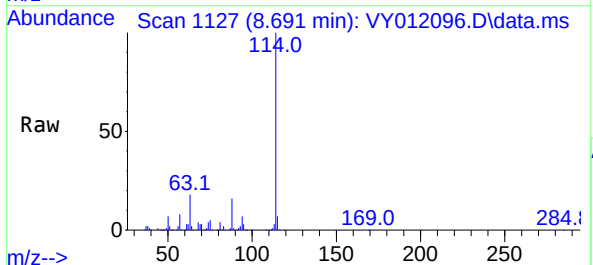
Tgt Ion:114 Resp: 306950

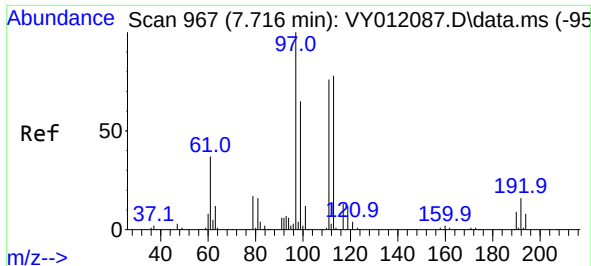
Ion Ratio Lower Upper

114 100

63 18.0 0.0 39.6

88 15.5 0.0 32.2

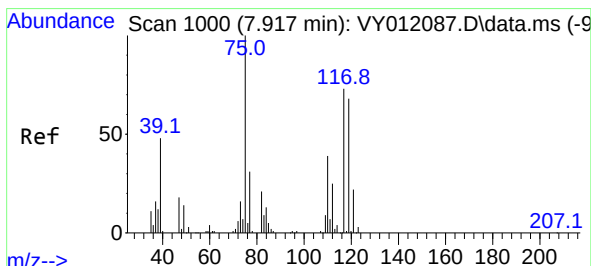
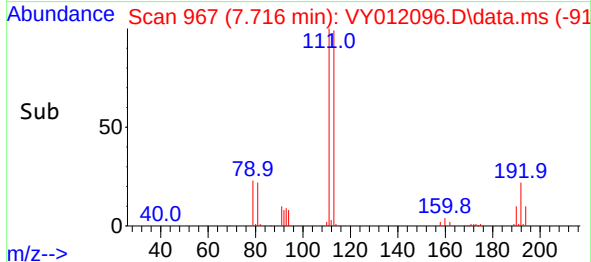
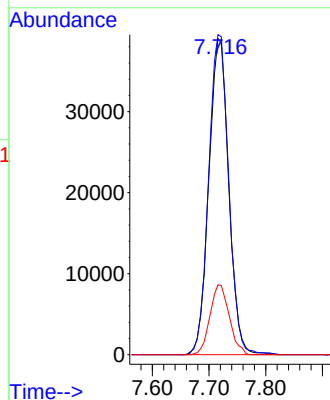
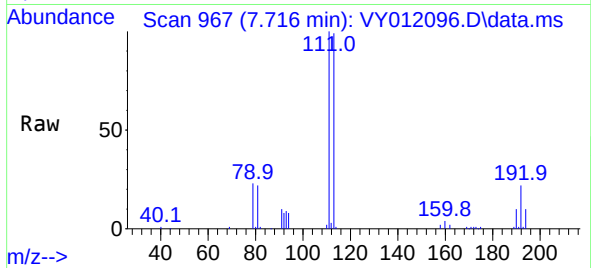




#35
Dibromofluoromethane
Concen: 47.114 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

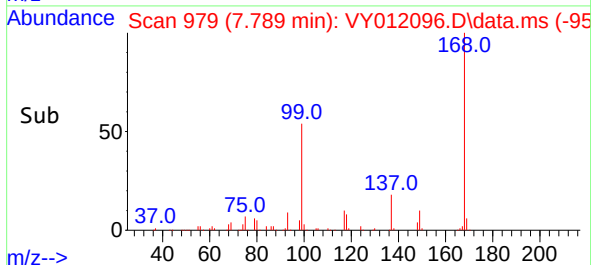
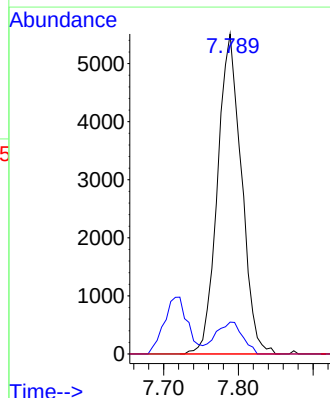
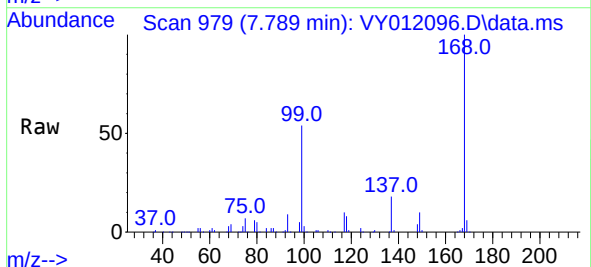
Instrument :
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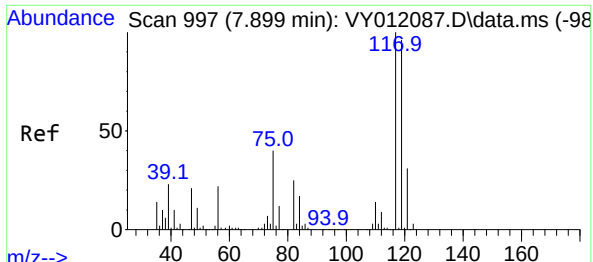
Tgt Ion:113 Resp: 95054
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.4
192 21.5 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.006 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

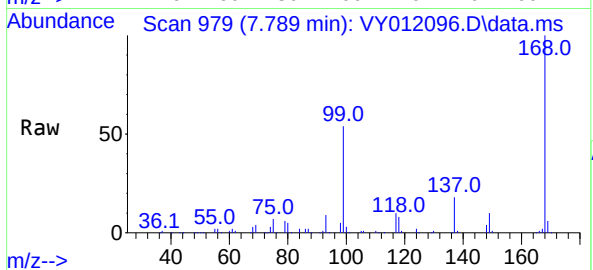
Tgt Ion: 75 Resp: 12263
Ion Ratio Lower Upper
75 100
110 11.2 18.1 54.1#
77 0.0 25.1 37.7#



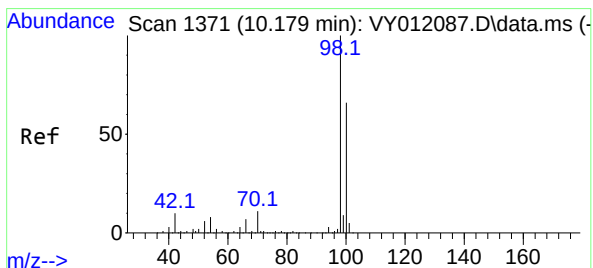
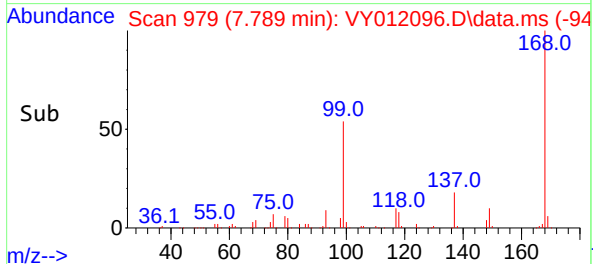
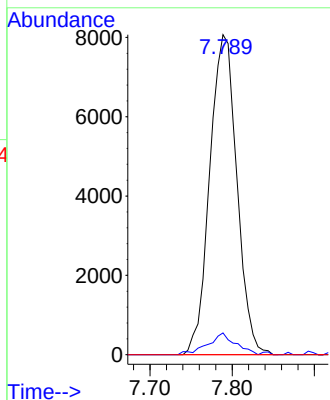


#38
Carbon Tetrachloride
Concen: 4.770 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-203

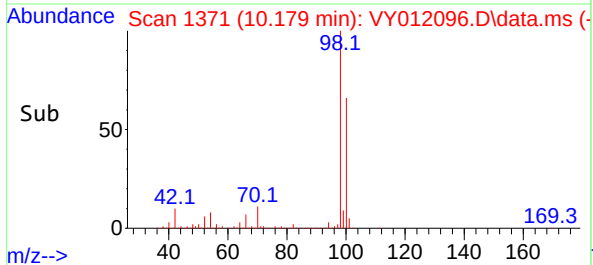
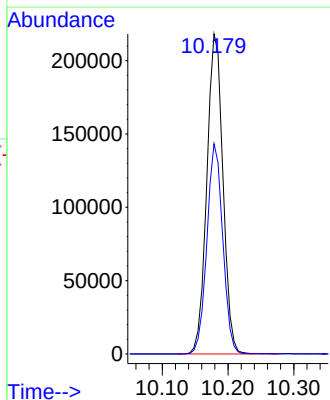
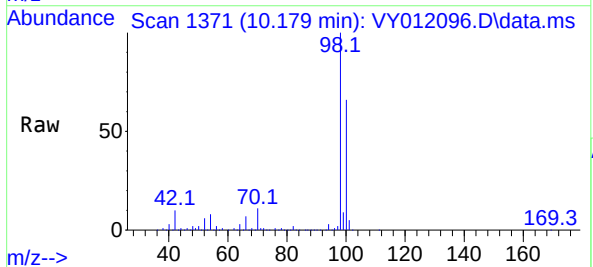


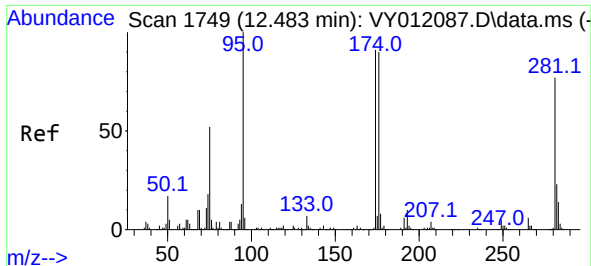
Tgt Ion:117 Resp: 18530
Ion Ratio Lower Upper
117 100
119 6.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 46.691 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

Tgt Ion: 98 Resp: 371808
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

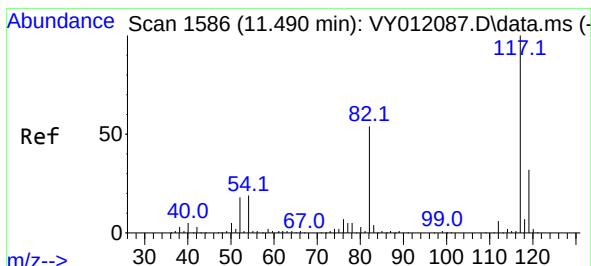
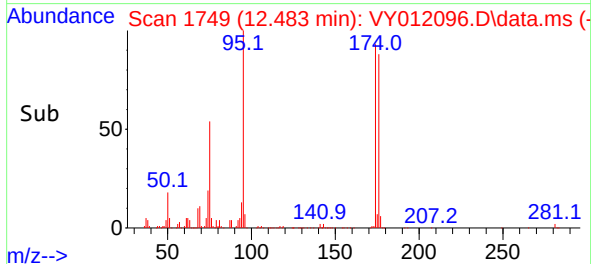
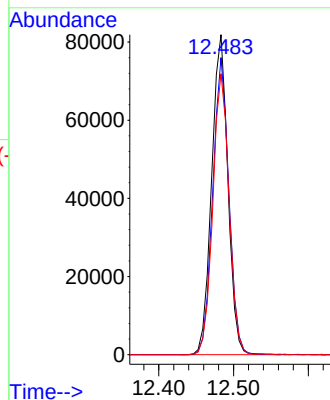
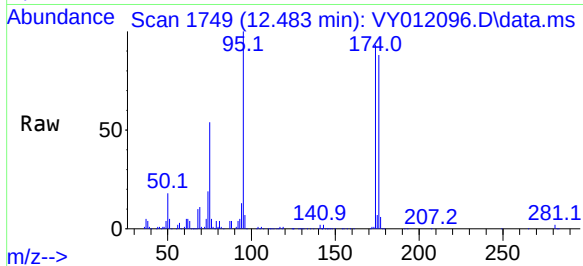




#62
4-Bromofluorobenzene
Concen: 44.521 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

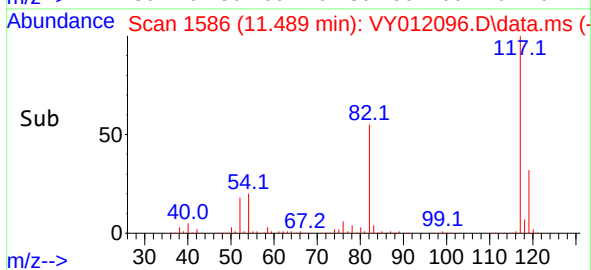
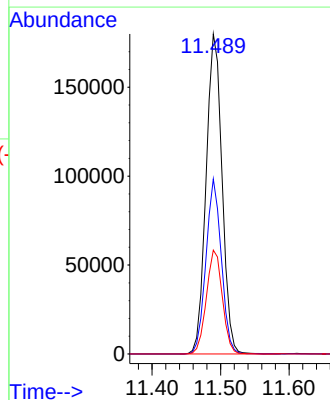
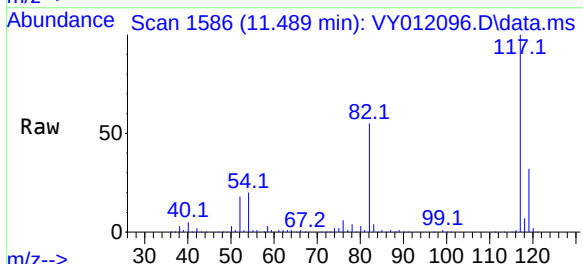
Instrument :
MSVOA_Y
ClientSampleId :
TP-203

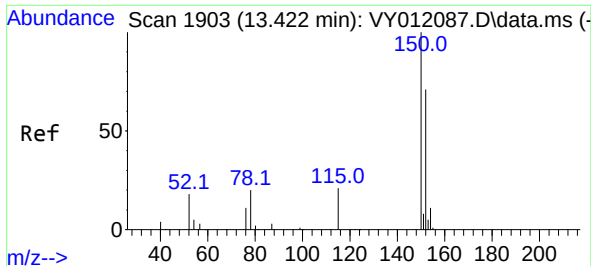
Tgt Ion: 95 Resp: 123923
Ion Ratio Lower Upper
95 100
174 92.2 0.0 172.0
176 88.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

Tgt Ion: 117 Resp: 291615
Ion Ratio Lower Upper
117 100
82 54.7 44.8 67.2
119 32.5 25.4 38.2

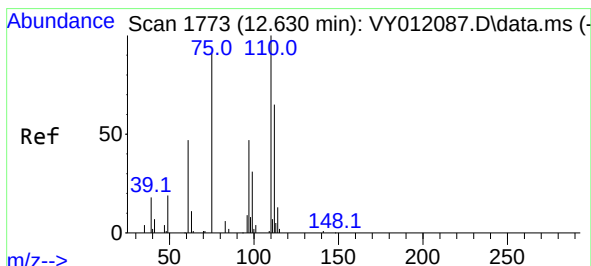
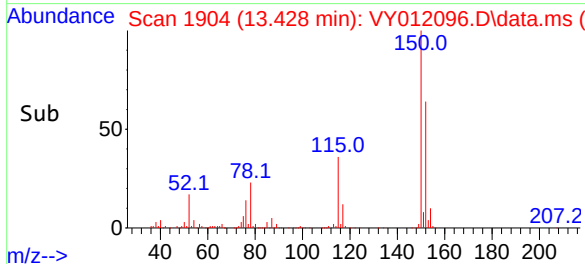
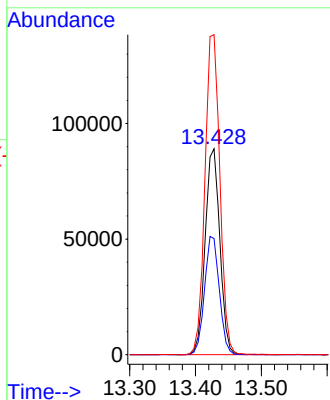
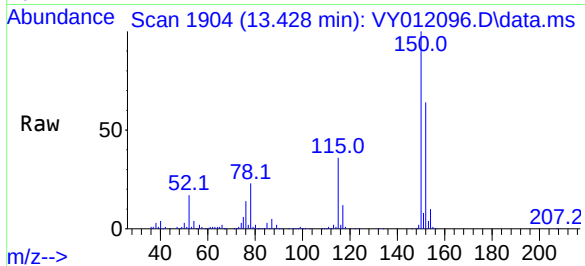




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

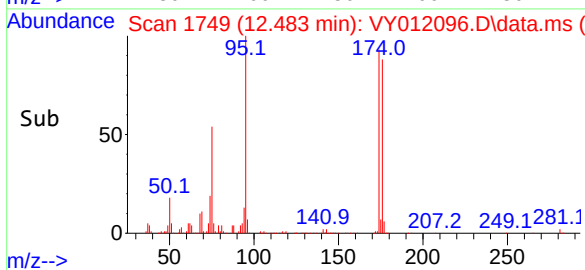
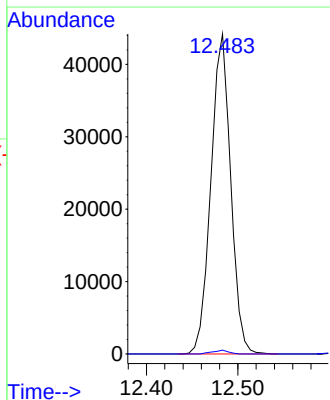
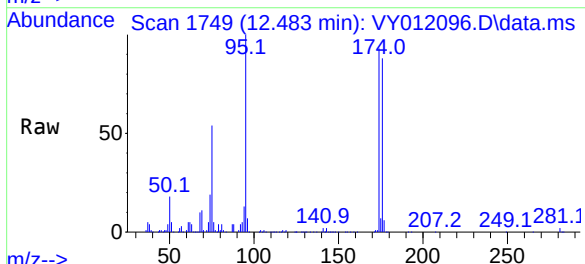
Instrument :
MSVOA_Y
ClientSampleId :
TP-203

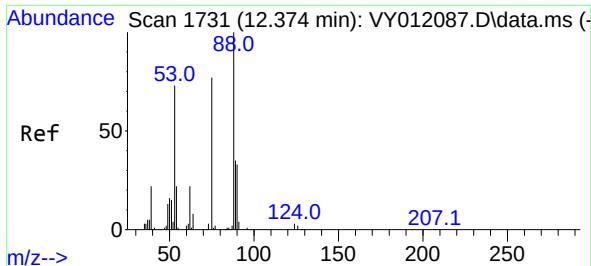
Tgt Ion:152 Resp: 138470
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.3
150 158.0 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 41.975 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012096.D
Acq: 06 Jan 2023 17:01

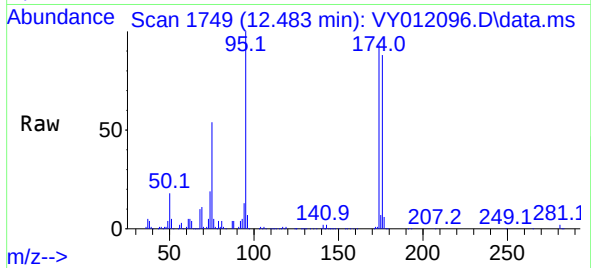
Tgt Ion: 75 Resp: 66365
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.221 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY012096.D
 Acq: 06 Jan 2023 17:01

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-203



Tgt Ion: 75 Resp: 66365
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

