

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010923\
 Data File : VY012107.D
 Acq On : 09 Jan 2023 13:45
 Operator : KP/MD
 Sample : 01043-04RE
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-202

Quant Time: Jan 10 01:46:13 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)

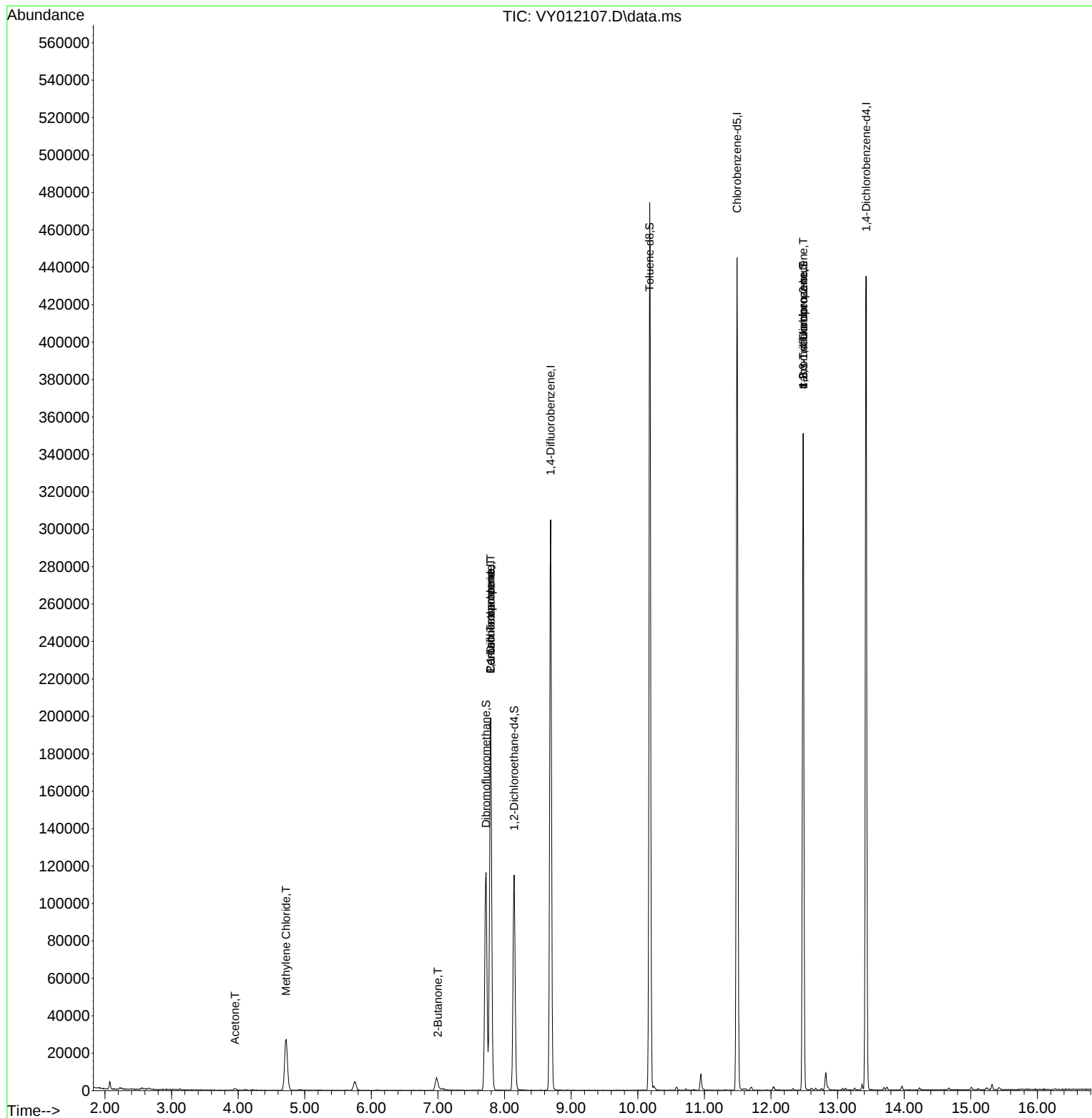
Internal Standards						
1) Pentafluorobenzene	7.789	168	152992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	261346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	247979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	96044	55.868	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.740%			
35) Dibromofluoromethane	7.722	113	80040	46.595	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.180%			
50) Toluene-d8	10.179	98	314671	46.411	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.820%			
62) 4-Bromofluorobenzene	12.483	95	102110	43.085	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	177	Below Cal	#	41
3) Chloromethane	2.119	50	230	Below Cal	#	41
5) Bromomethane	2.656	94	335	Below Cal	#	43
11) Tert butyl alcohol	4.948	59	56	Below Cal	#	74
16) Acetone	3.954	43	1769	4.374	ug/l	99
20) Methylene Chloride	4.716	84	22270	8.063	ug/l	93
25) 2-Butanone	6.996	43	1002	1.878	ug/l	99
31) Cyclohexane	7.789	56	3147	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	10771	4.133	ug/l #	51
38) Carbon Tetrachloride	7.789	117	15618	4.722	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	55792	43.010	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	55792	95.519	ug/l #	13

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

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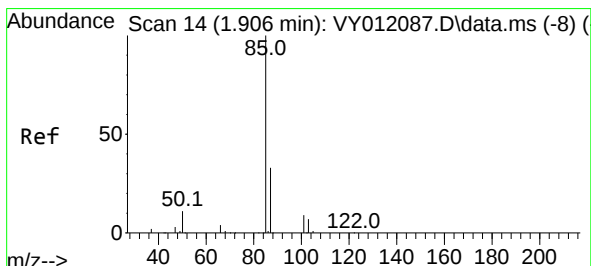
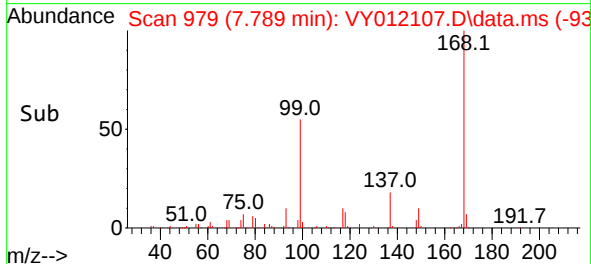
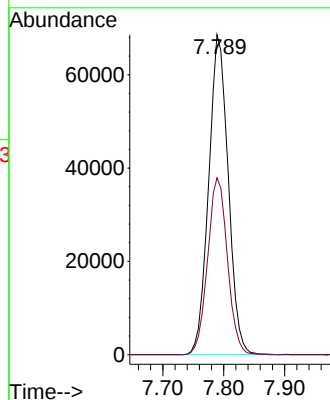
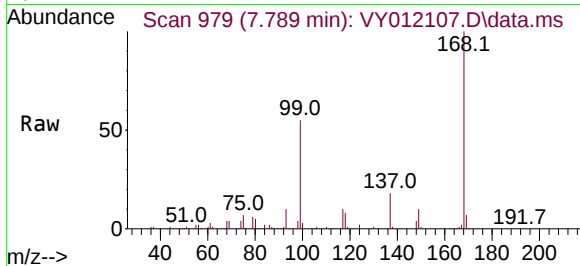




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

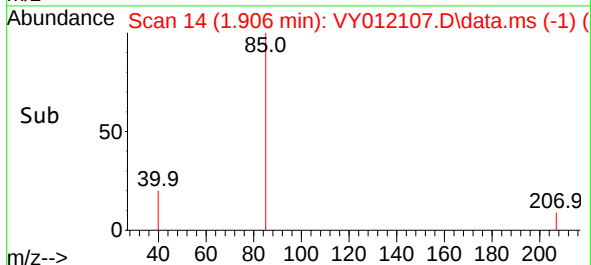
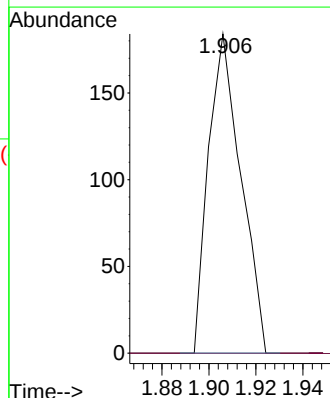
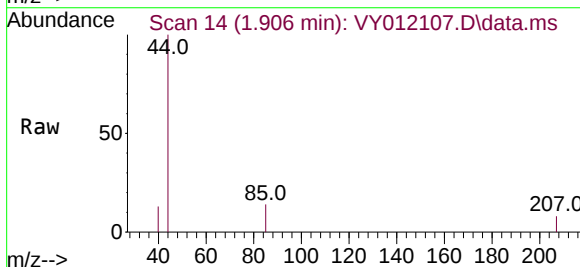
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

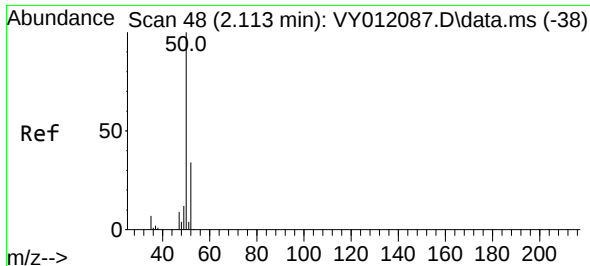
Tgt Ion:168 Resp: 152992
Ion Ratio Lower Upper
168 100
99 55.3 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

Tgt Ion: 85 Resp: 177
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

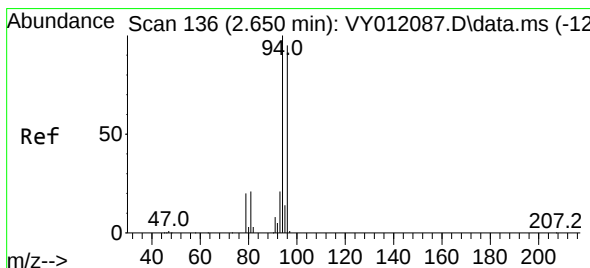
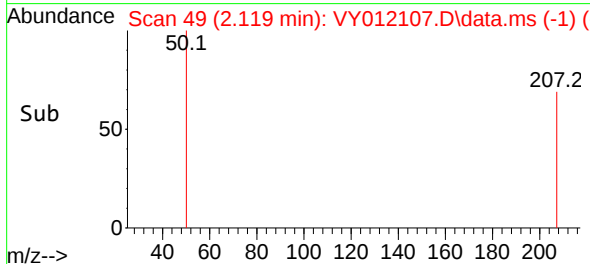
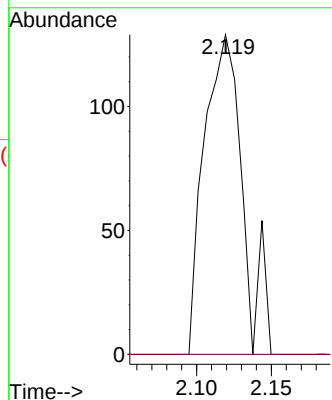
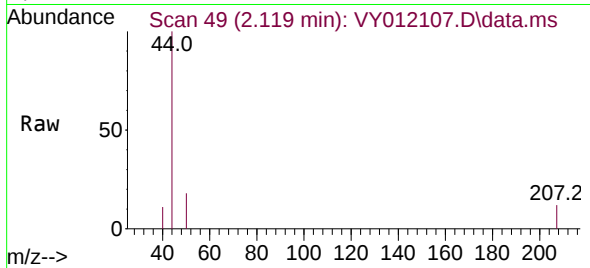




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

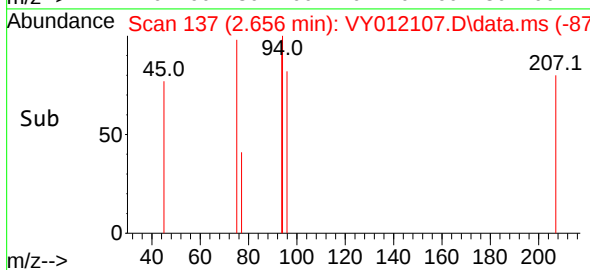
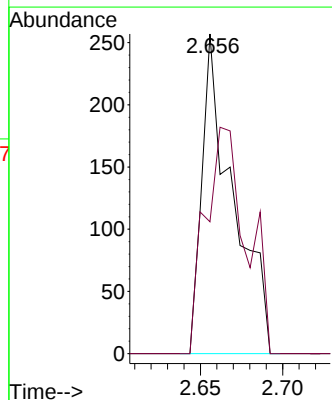
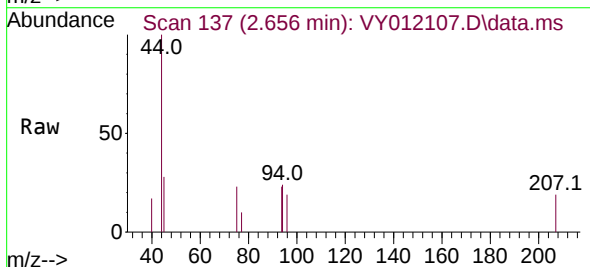
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

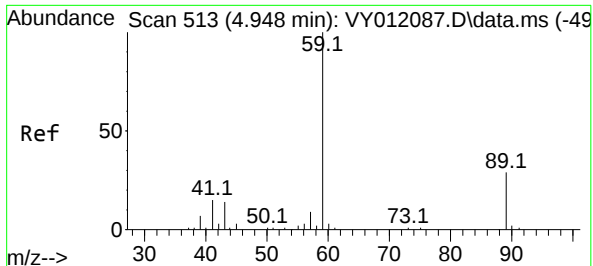
Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

Tgt Ion: 94 Resp: 335
Ion Ratio Lower Upper
94 100
96 41.2 77.4 116.2#

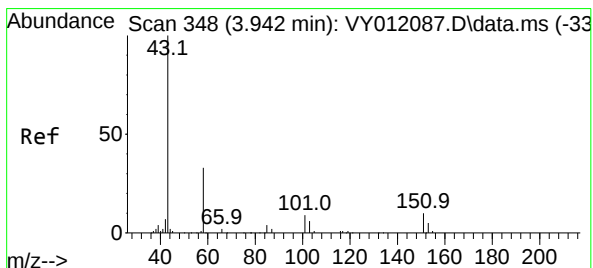
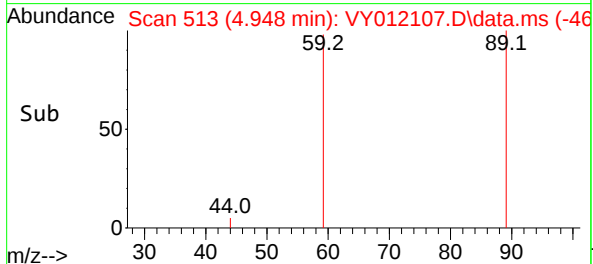
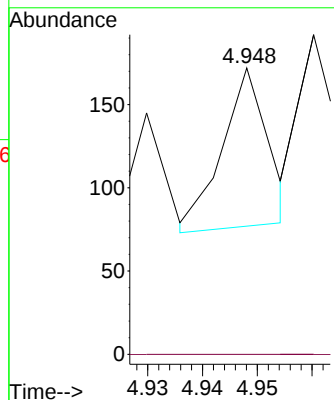
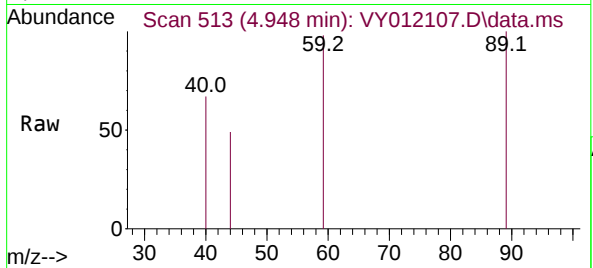




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

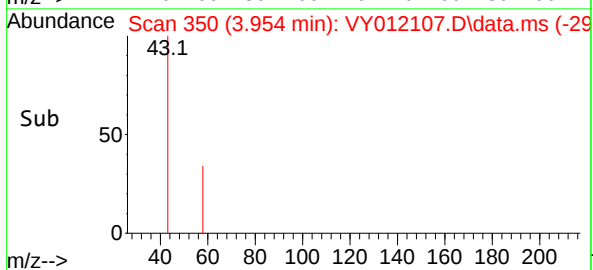
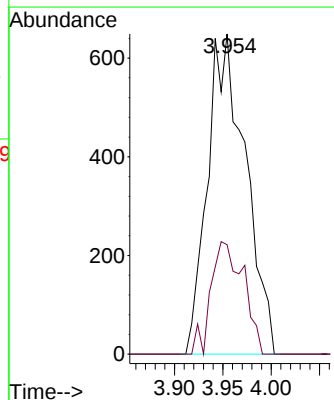
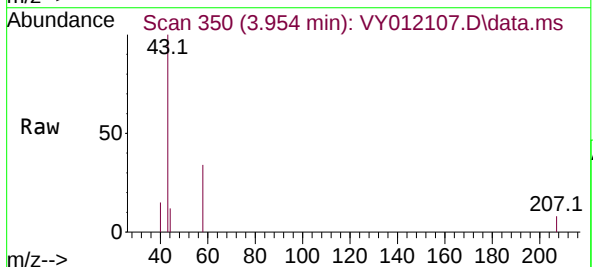
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

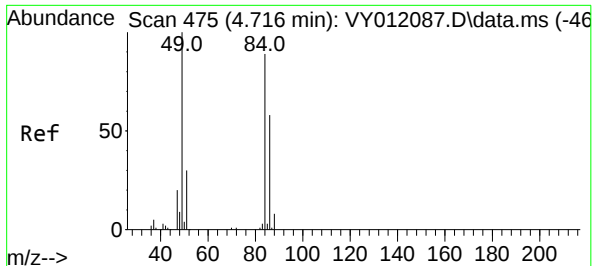
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 4.374 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

Tgt Ion: 43 Resp: 1769
Ion Ratio Lower Upper
43 100
58 34.2 27.9 41.9

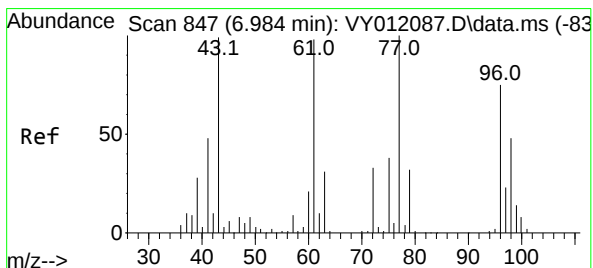
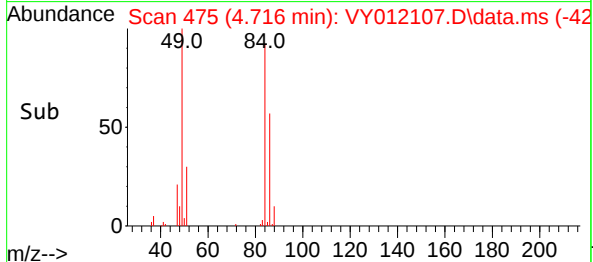
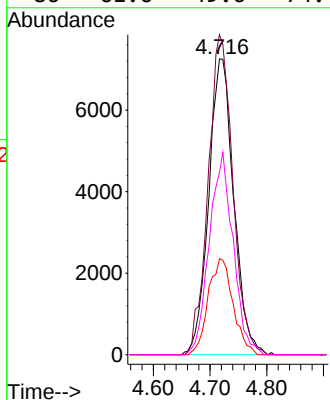
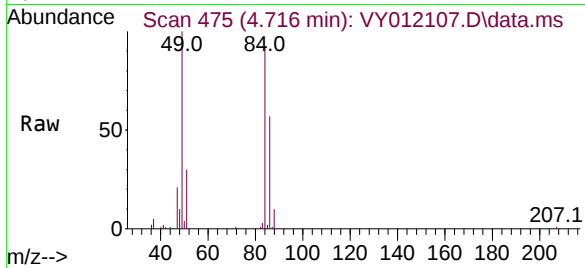




#20
Methylene Chloride
Concen: 8.063 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

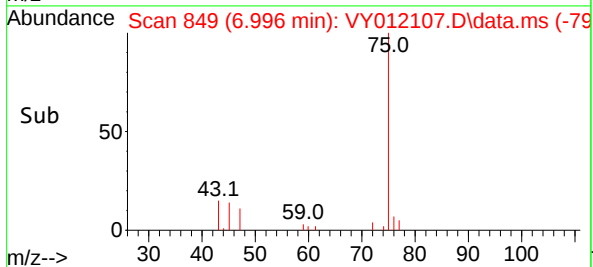
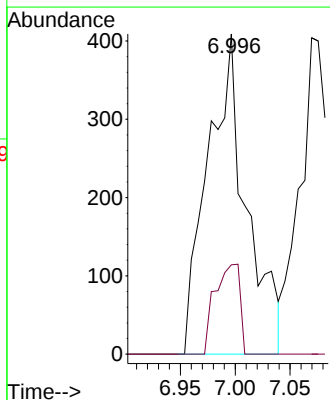
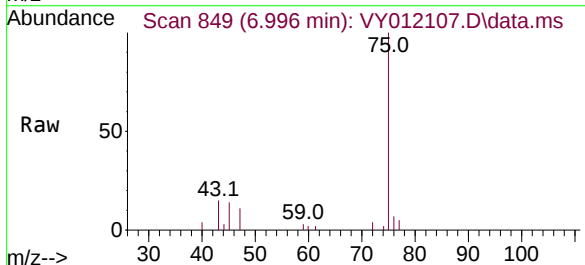
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

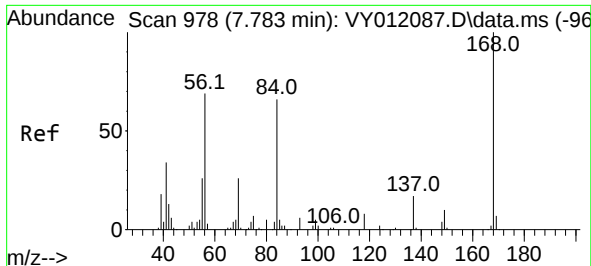
Tgt Ion:	84	Resp:	22270
Ion	Ratio	Lower	Upper
84	100		
49	108.2	95.4	143.2
51	32.5	29.9	44.9
86	61.6	49.6	74.4



#25
2-Butanone
Concen: 1.878 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

Tgt Ion:	43	Resp:	1002
Ion	Ratio	Lower	Upper
43	100		
72	27.9	22.6	34.0

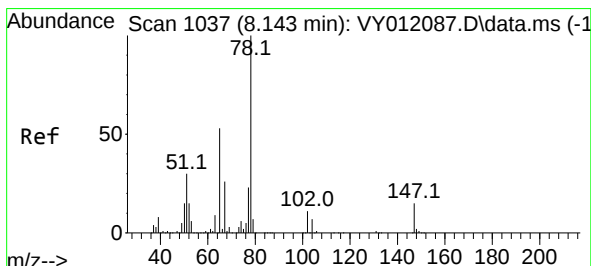
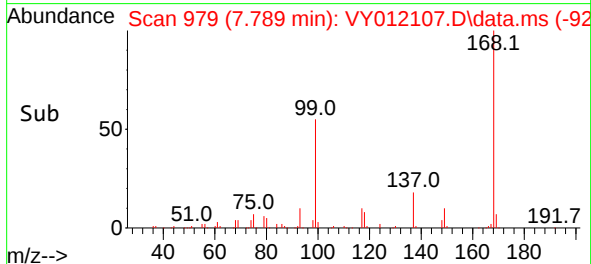
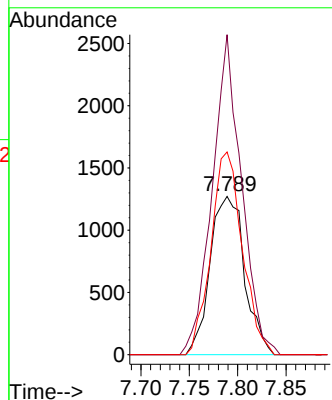
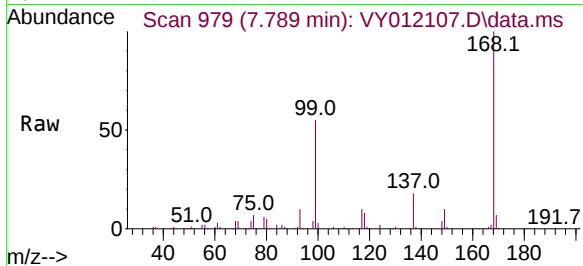




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

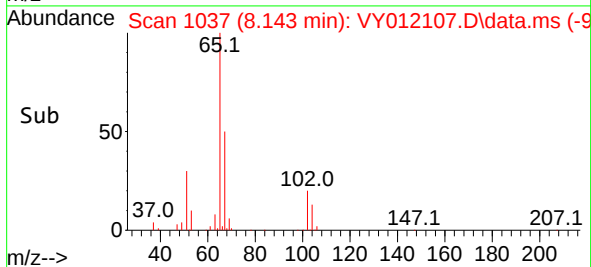
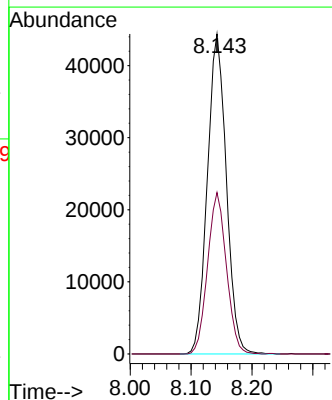
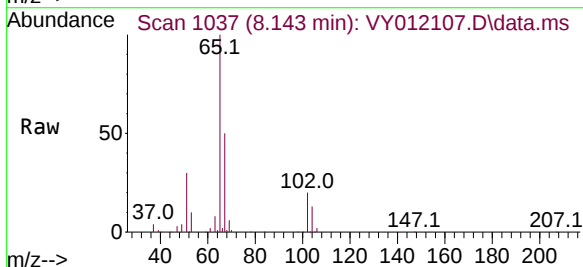
Instrument :
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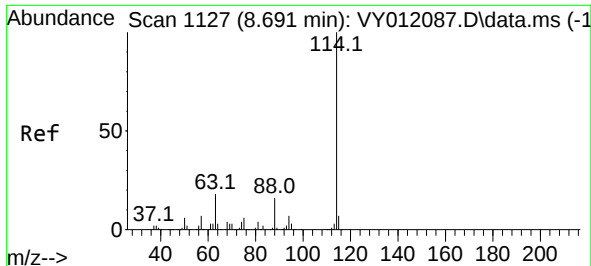
Tgt Ion: 56 Resp: 3147
Ion Ratio Lower Upper
56 100
69 202.1 29.2 43.8#
84 128.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 55.868 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

Tgt Ion: 65 Resp: 96044
Ion Ratio Lower Upper
65 100
67 50.0 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: VY012107.D

Acq: 09 Jan 2023 13:45

Instrument :

MSVOA_Y

ClientSampleId :

TP-202

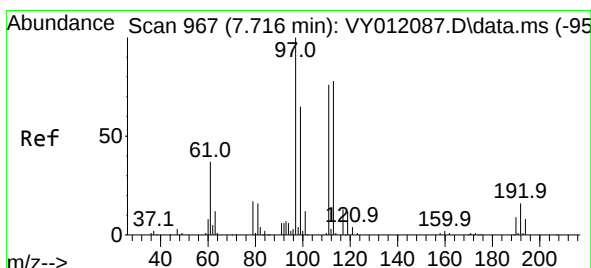
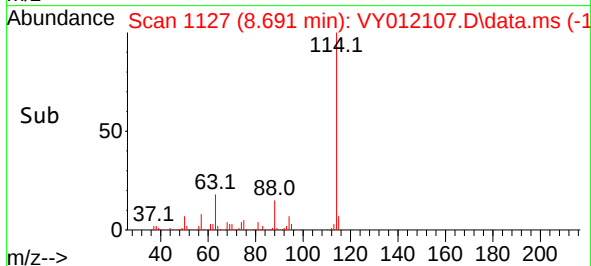
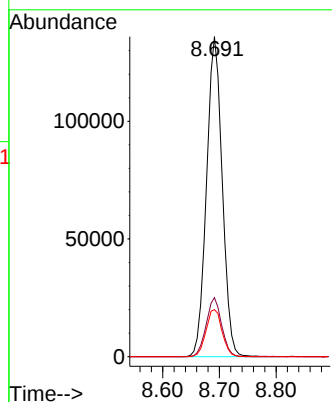
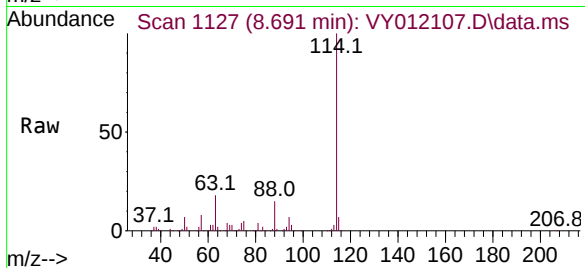
Tgt Ion:114 Resp: 261346

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 14.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.595 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012107.D

Acq: 09 Jan 2023 13:45

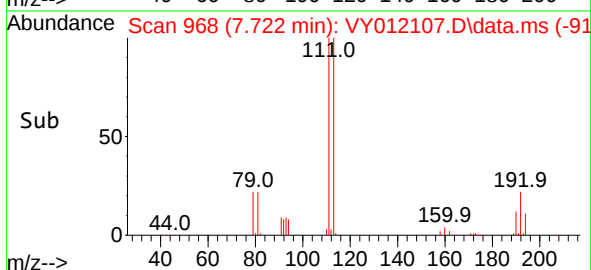
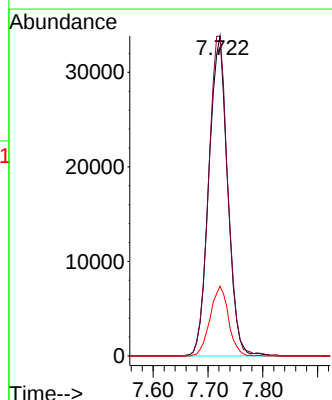
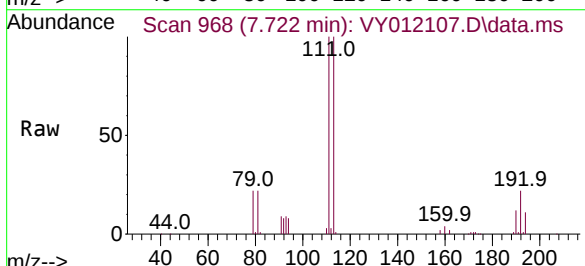
Tgt Ion:113 Resp: 80040

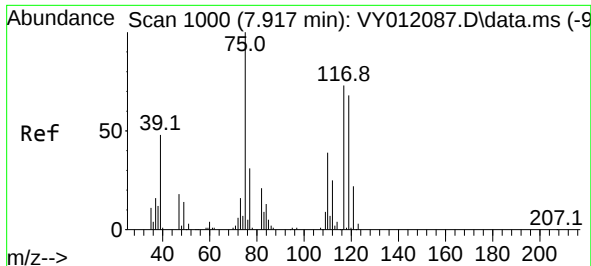
Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.4

192 21.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.133 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012107.D

Acq: 09 Jan 2023 13:45

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TP-202

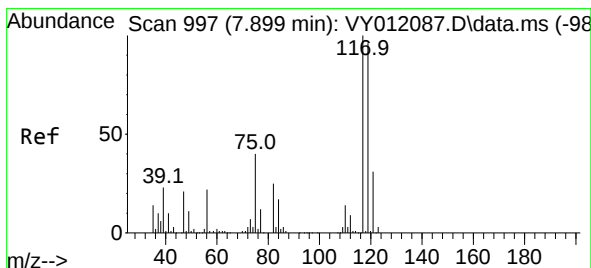
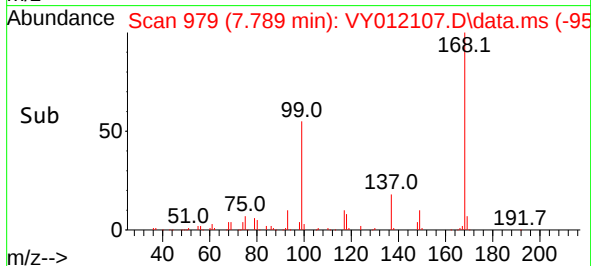
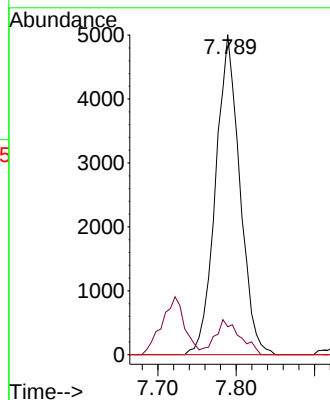
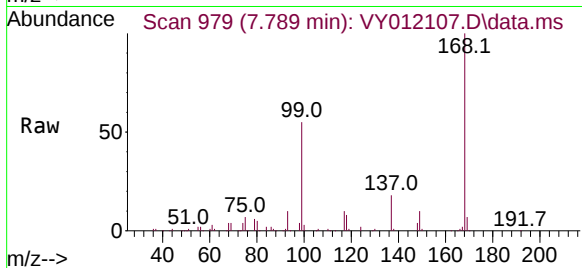
Tgt Ion: 75 Resp: 10771

Ion Ratio Lower Upper

75 100

110 11.2 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.722 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012107.D

Acq: 09 Jan 2023 13:45

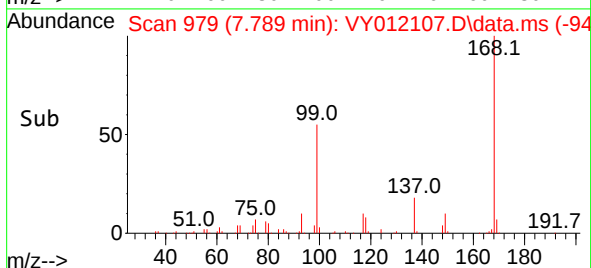
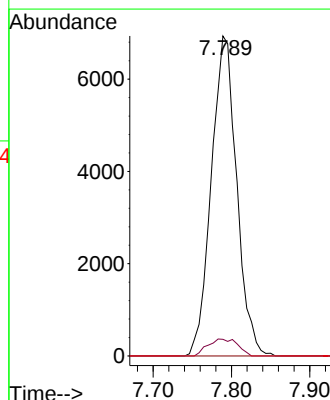
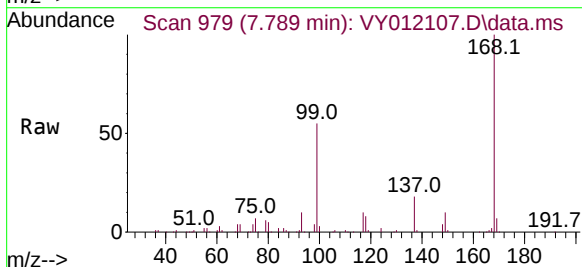
Tgt Ion: 117 Resp: 15618

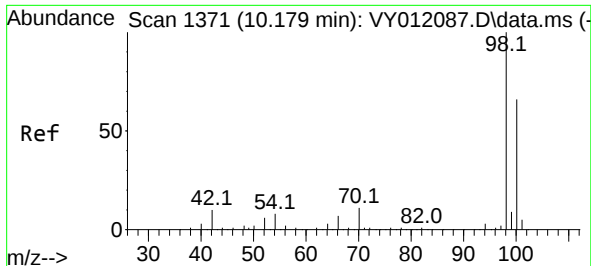
Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

121 0.0 25.2 37.8#

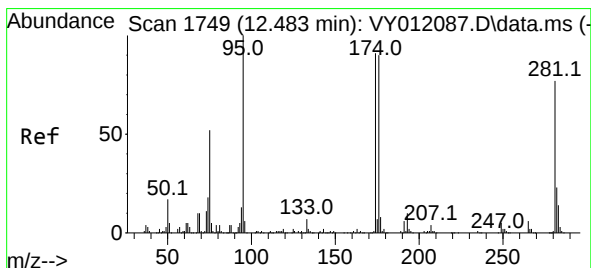
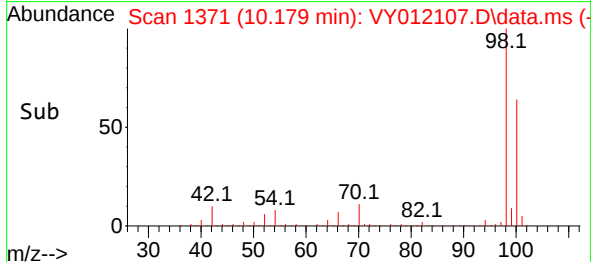
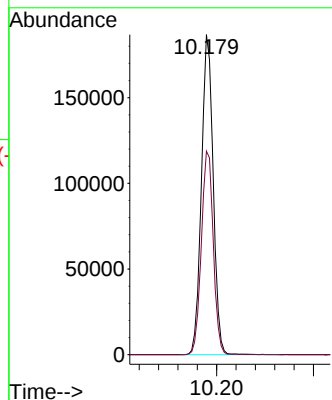
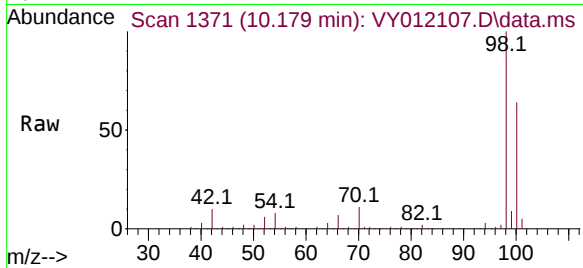




#50
Toluene-d8
Concen: 46.411 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

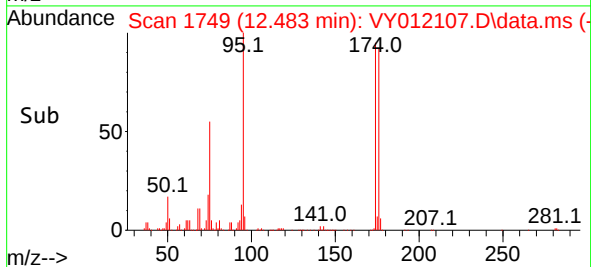
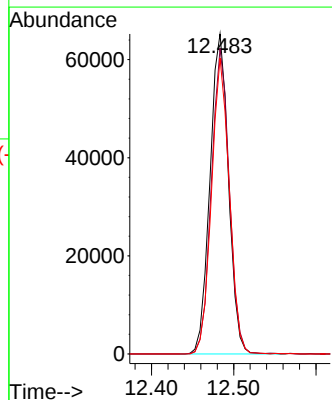
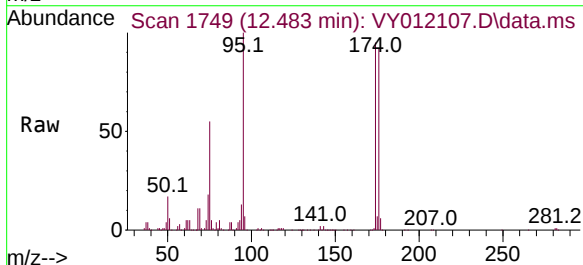
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

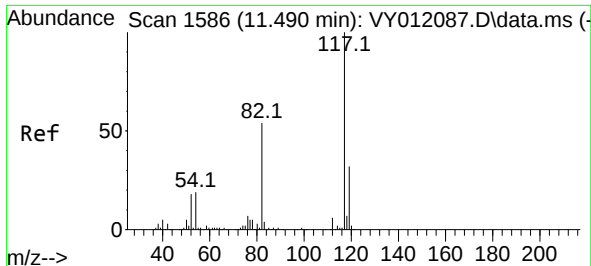
Tgt Ion: 98 Resp: 314671
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.085 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

Tgt Ion: 95 Resp: 102110
Ion Ratio Lower Upper
95 100
174 92.9 0.0 172.0
176 89.1 0.0 167.6

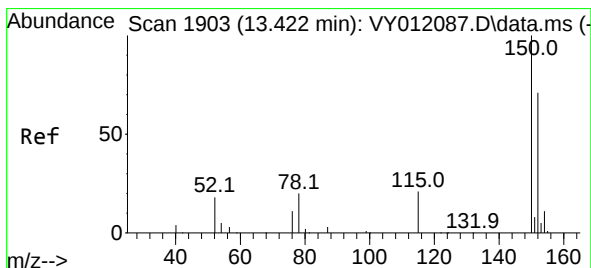
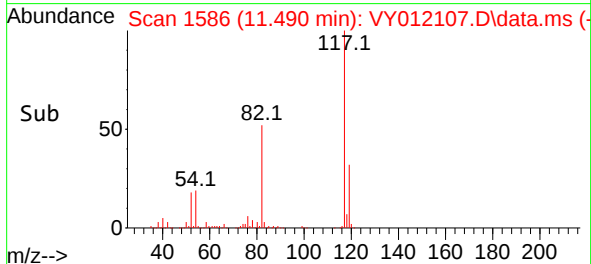
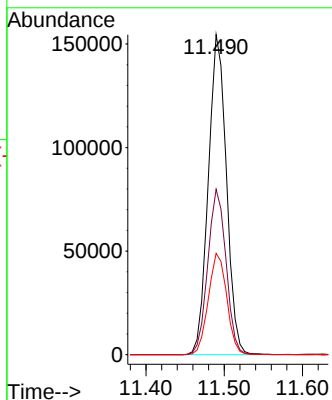
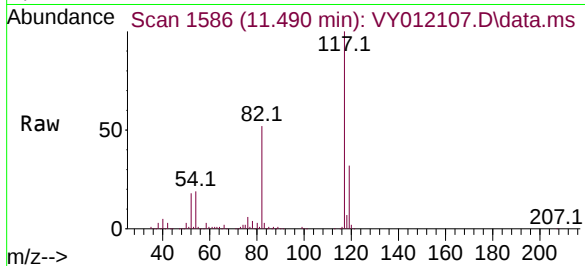




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

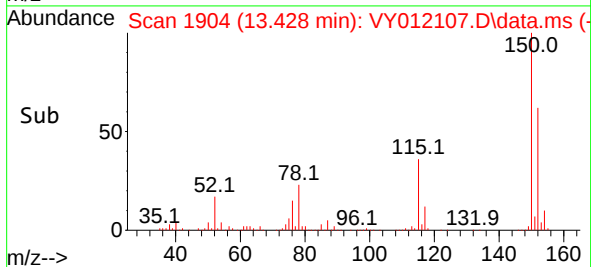
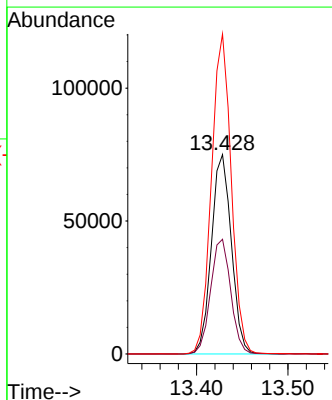
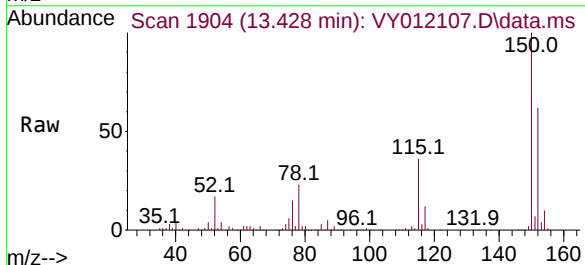
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

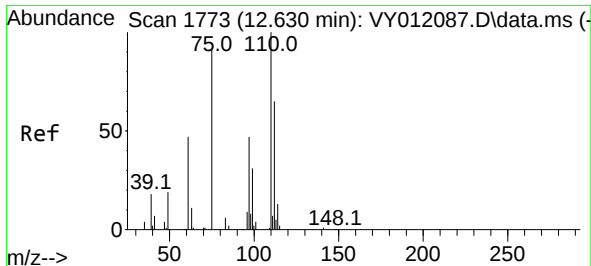
Tgt Ion:117 Resp: 247979
Ion Ratio Lower Upper
117 100
82 51.7 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

Tgt Ion:152 Resp: 113608
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.3
150 159.1 0.0 342.6

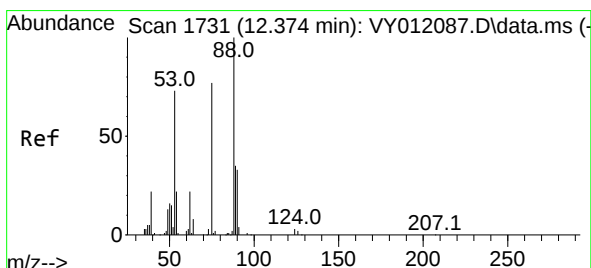
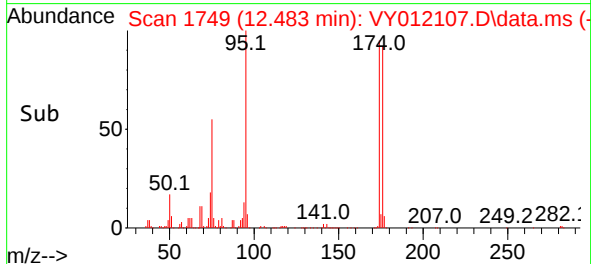
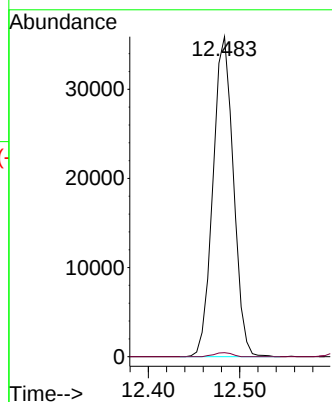
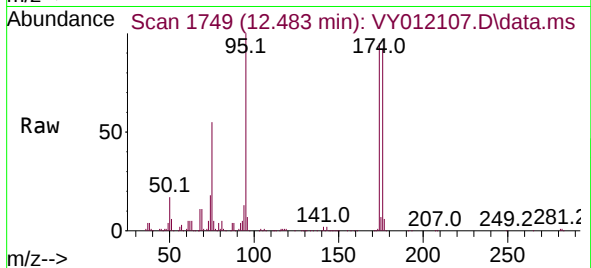




#76
1,2,3-Trichloropropane
Concen: 43.010 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

Instrument :
MSVOA_Y
ClientSampleId :
TP-202

Tgt Ion: 75 Resp: 55792
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.519 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012107.D
Acq: 09 Jan 2023 13:45

Tgt Ion: 75 Resp: 55792
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#

