

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020623\
 Data File : VY012499.D
 Acq On : 06 Feb 2023 16:46
 Operator : KP/MD
 Sample : VY0206SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 03:46:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 07 03:42:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	138761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	214156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	190335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96000	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	94879	55.101	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.200%
35) Dibromofluoromethane	7.716	113	79912	52.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.800%
50) Toluene-d8	10.179	98	323928	51.590	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.180%
62) 4-Bromofluorobenzene	12.483	95	101702	48.194	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.380%

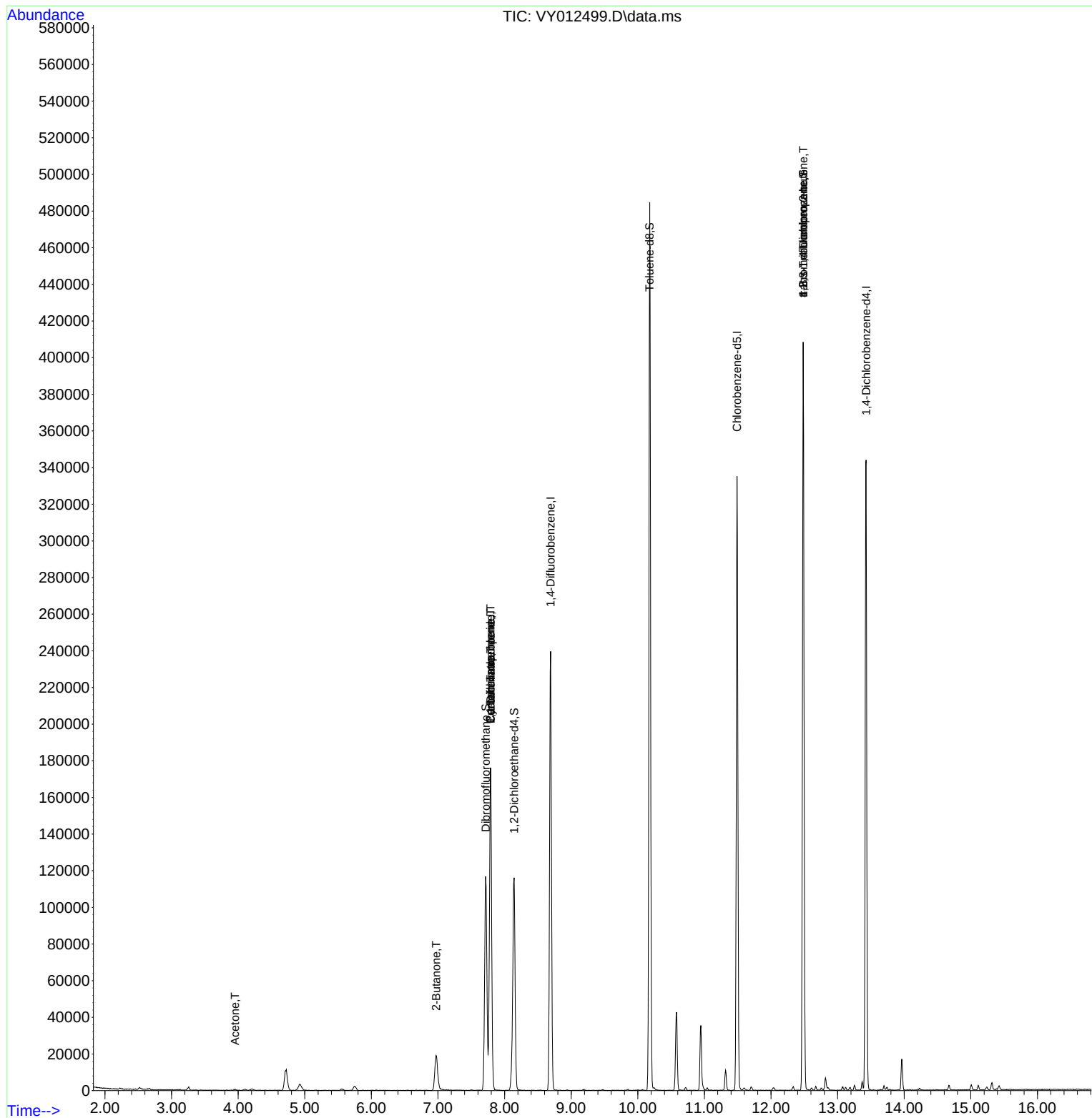
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	135	Below Cal	#	41
5) Bromomethane	2.662	94	391	Below Cal		89
11) Tert butyl alcohol	4.930	59	3311	Below Cal	#	74
16) Acetone	3.954	43	750	1.765	ug/l	98
25) 2-Butanone	6.972	43	982	2.014	ug/l	# 79
31) Cyclohexane	7.789	56	2597	1.249	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	9250	4.530	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	13630	4.960	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	55681	51.954	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	55681	115.009	ug/l	# 13

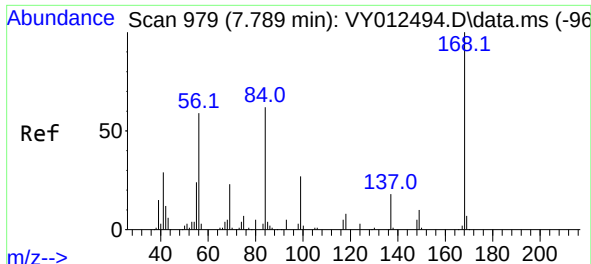
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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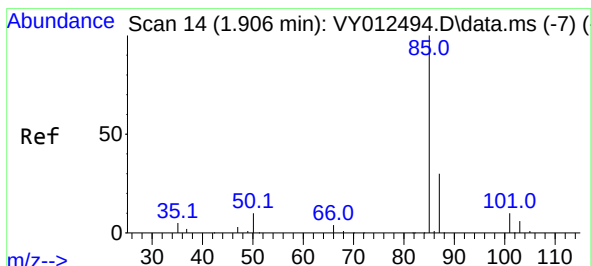
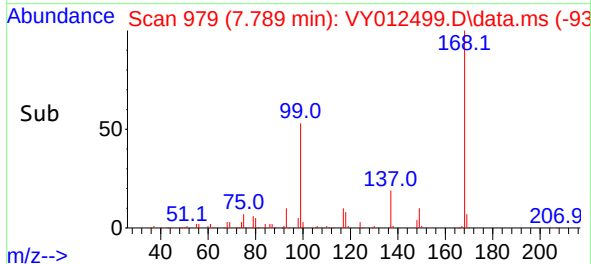
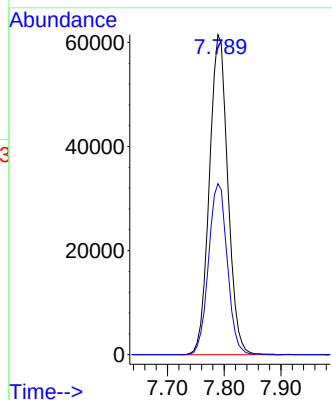
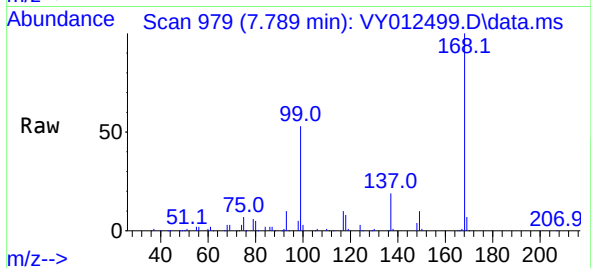




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

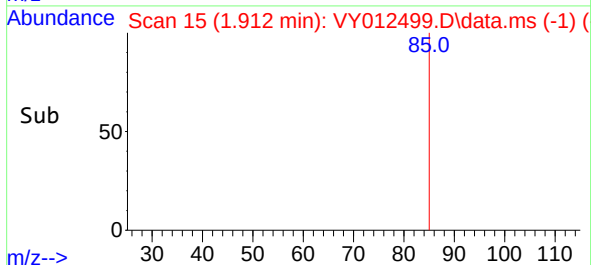
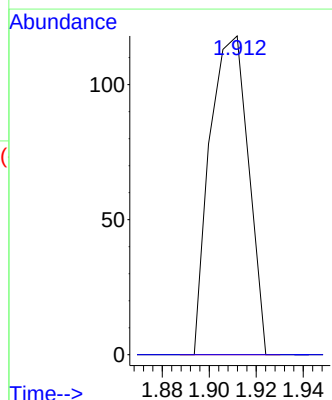
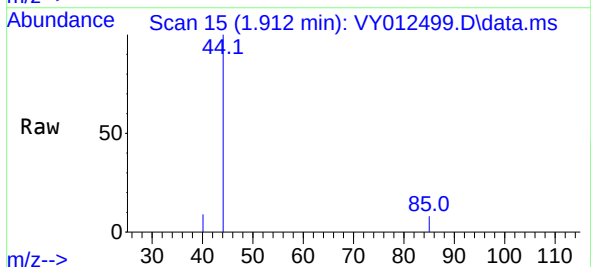
Instrument :
MSVOA_Y
ClientSampleId :

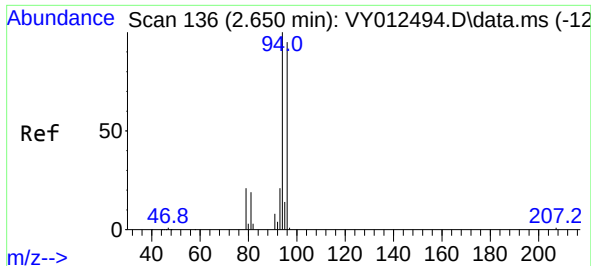
Tgt Ion:168 Resp: 138761
Ion Ratio Lower Upper
168 100
99 53.4 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

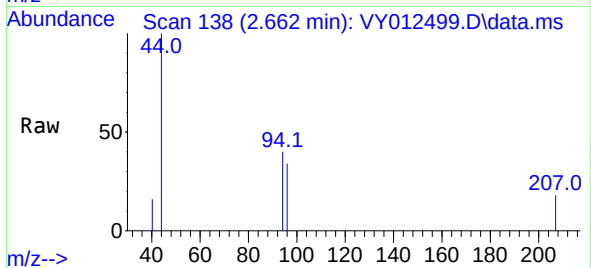
Tgt Ion: 85 Resp: 135
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



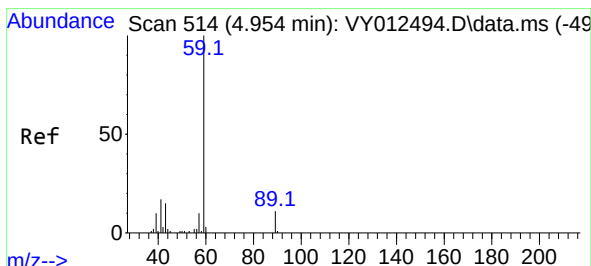
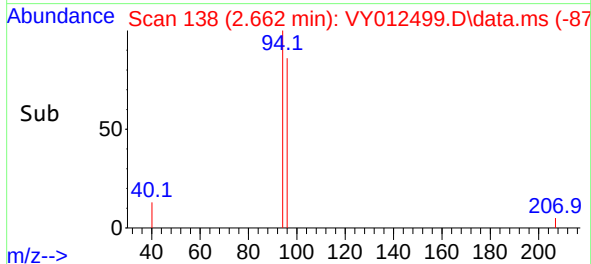
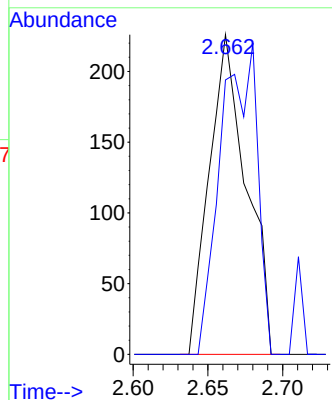


#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :

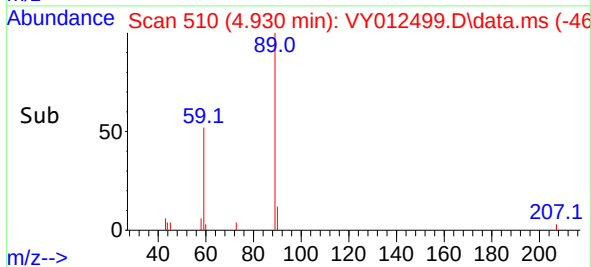
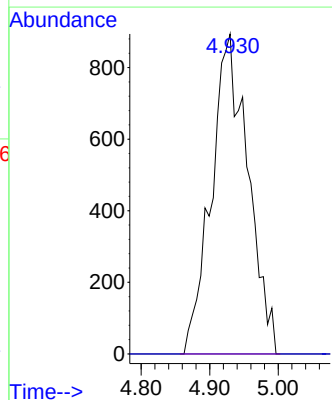
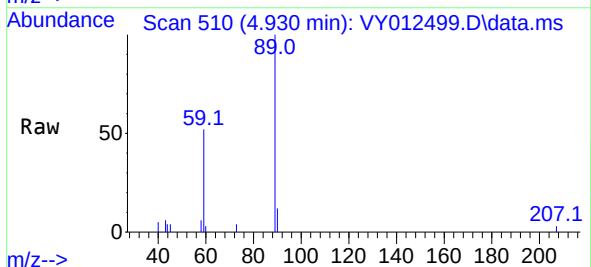


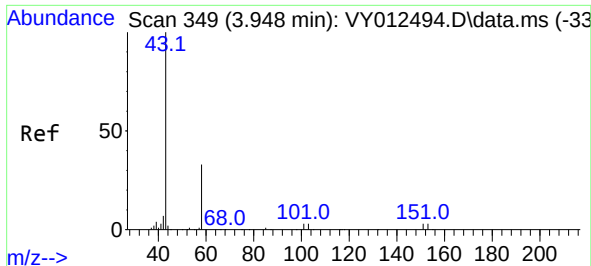
Tgt Ion: 94 Resp: 391
Ion Ratio Lower Upper
94 100
96 85.8 77.4 116.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

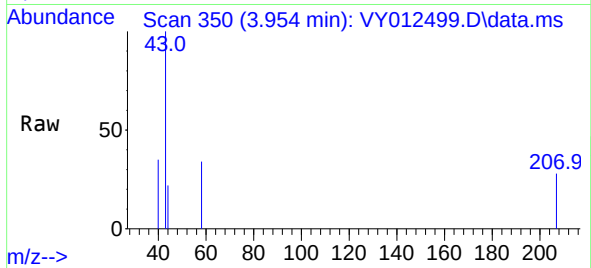
Tgt Ion: 59 Resp: 3311
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



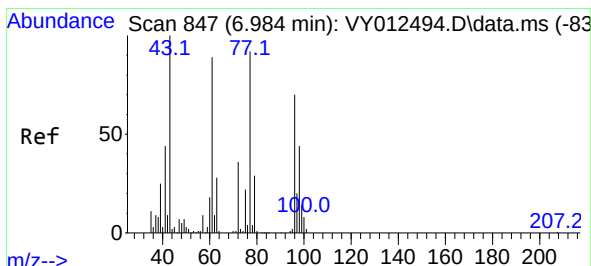
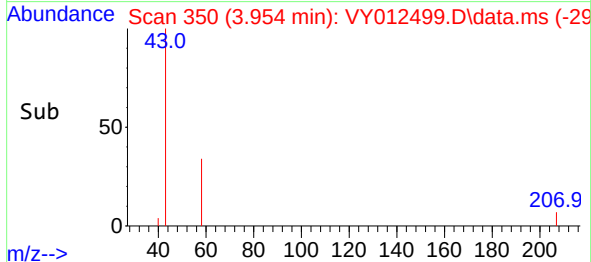
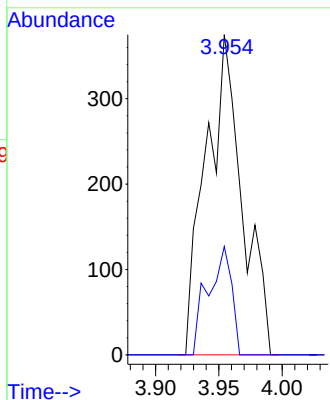


#16
Acetone
Concen: 1.765 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :

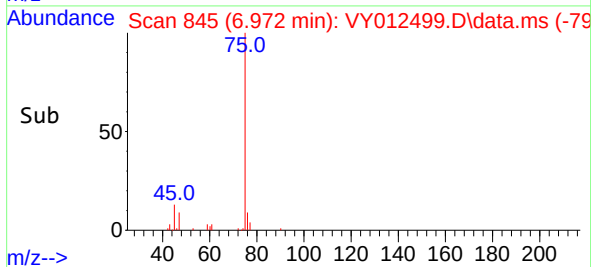
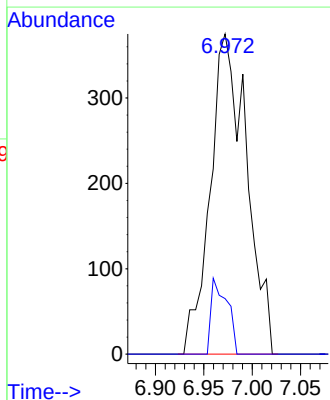
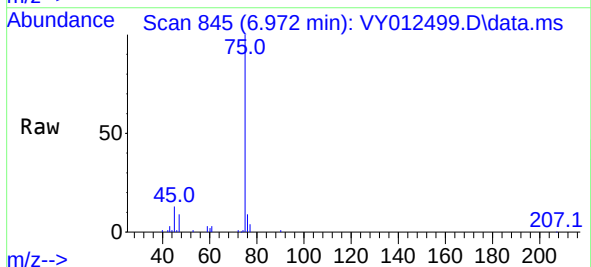


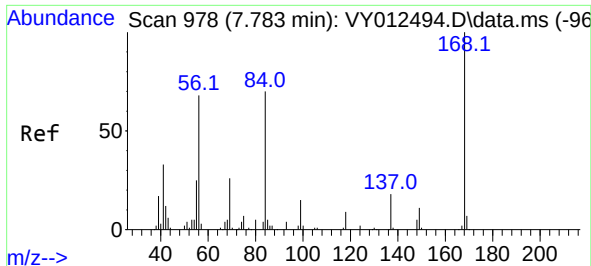
Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
58 33.9 27.9 41.9



#25
2-Butanone
Concen: 2.014 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

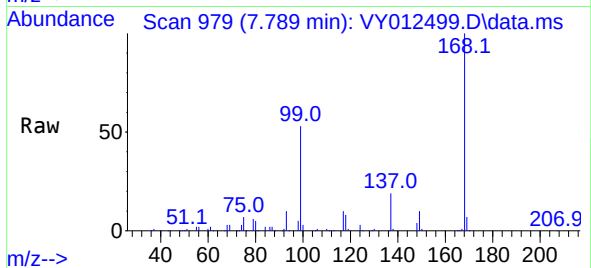
Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
72 17.3 22.6 34.0#



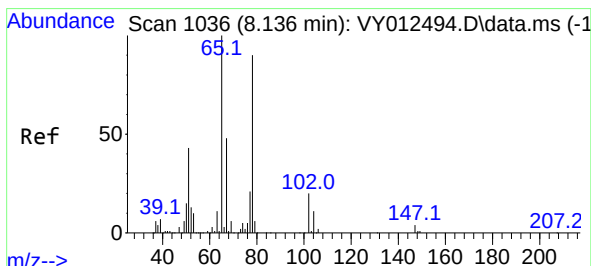
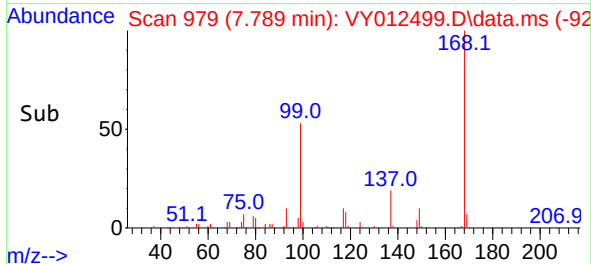
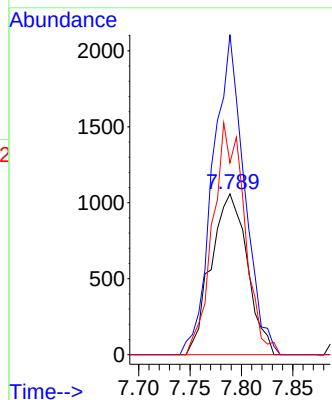


#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :

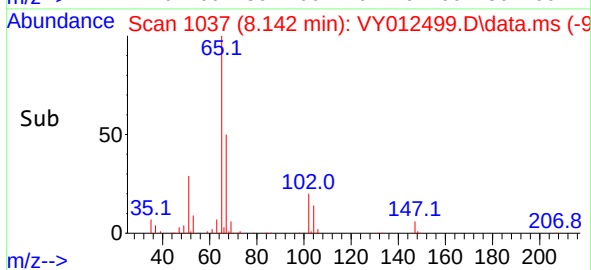
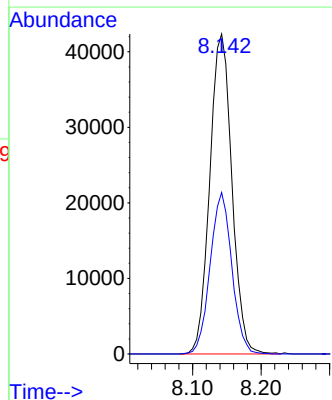
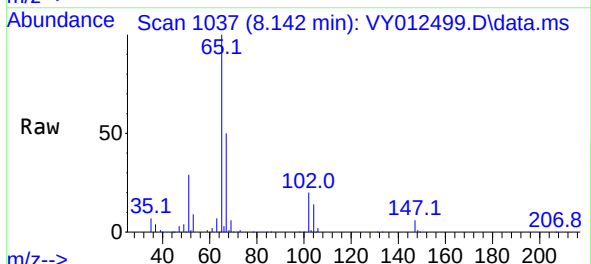


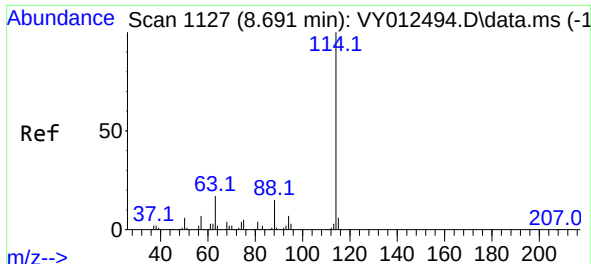
Tgt Ion: 56 Resp: 2597
Ion Ratio Lower Upper
56 100
69 199.1 29.2 43.8#
84 119.4 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 55.101 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

Tgt Ion: 65 Resp: 94879
Ion Ratio Lower Upper
65 100
67 49.4 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012499.D

Acq: 06 Feb 2023 16:46

Instrument :

MSVOA_Y

ClientSampleId :

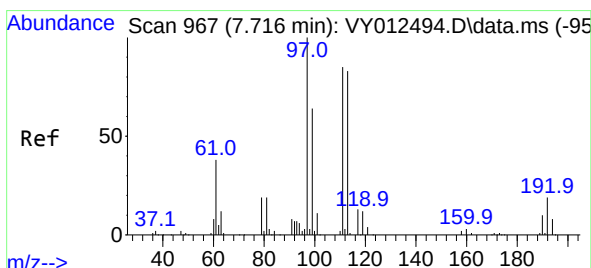
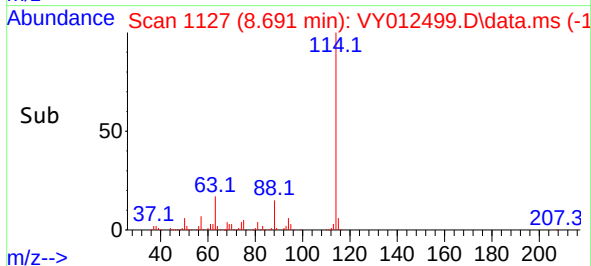
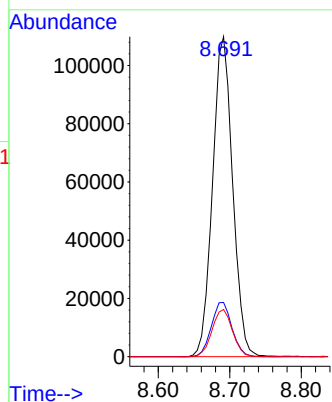
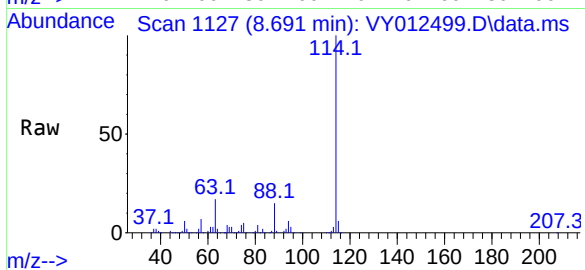
Tgt Ion:114 Resp: 214156

Ion Ratio Lower Upper

114 100

63 17.0 0.0 39.6

88 14.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 52.902 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012499.D

Acq: 06 Feb 2023 16:46

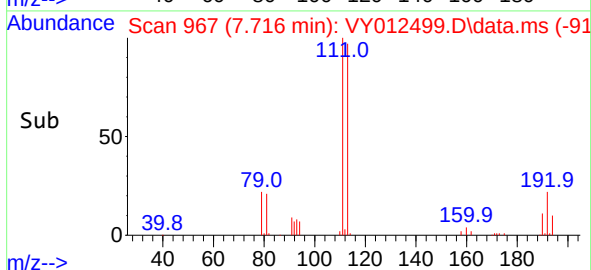
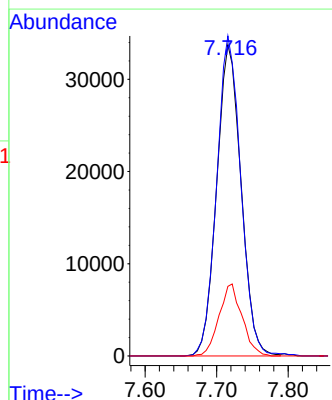
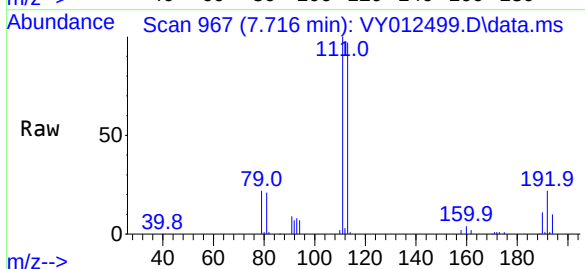
Tgt Ion:113 Resp: 79912

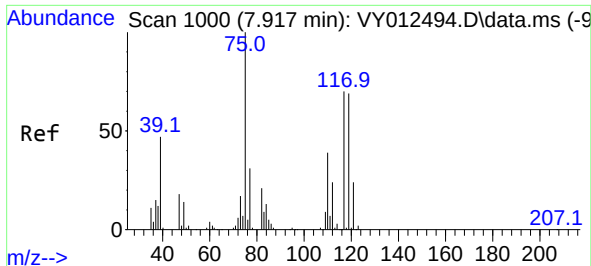
Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

192 21.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.530 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012499.D

Acq: 06 Feb 2023 16:46

Instrument :

MSVOA_Y

ClientSampleId :

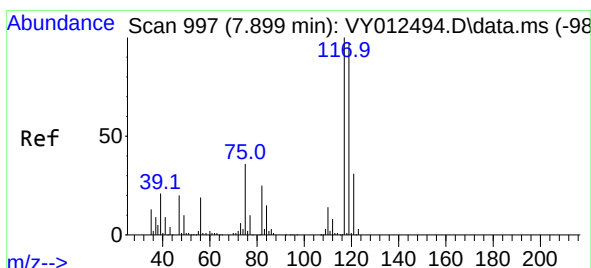
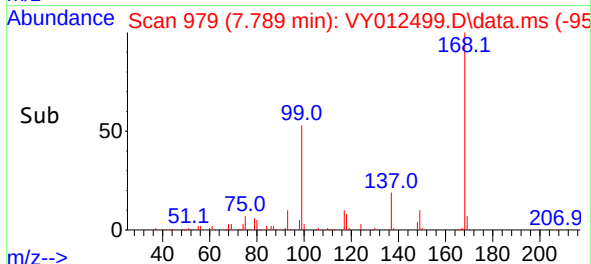
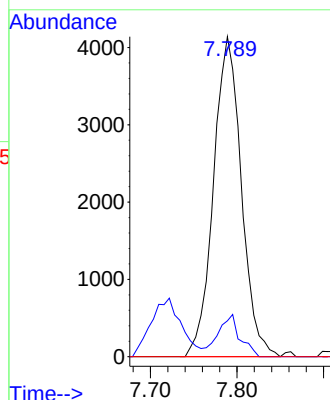
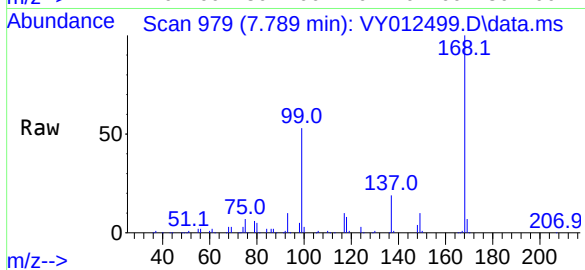
Tgt Ion: 75 Resp: 9250

Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.960 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012499.D

Acq: 06 Feb 2023 16:46

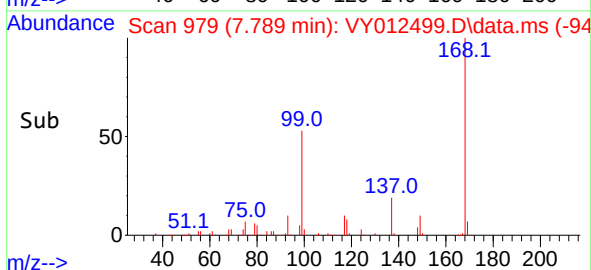
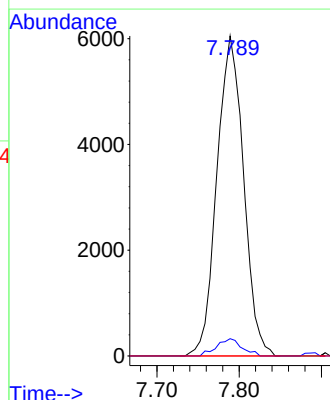
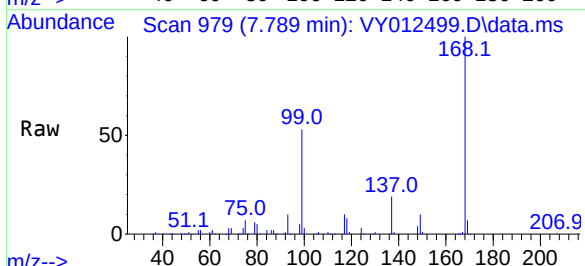
Tgt Ion: 117 Resp: 13630

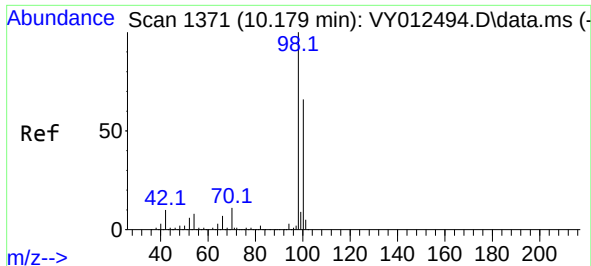
Ion Ratio Lower Upper

117 100

119 5.4 73.8 110.8#

121 0.0 25.2 37.8#

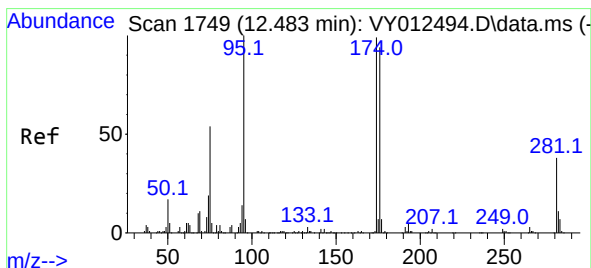
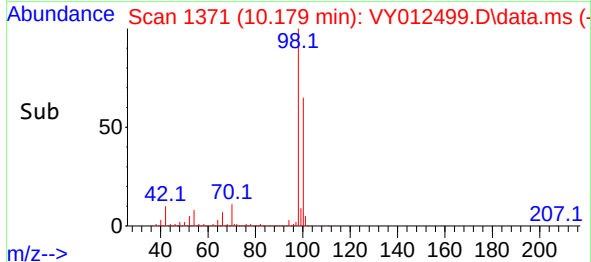
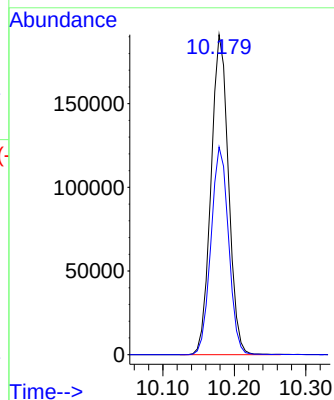
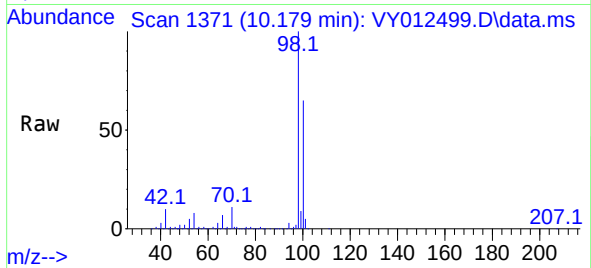




#50
Toluene-d8
Concen: 51.590 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

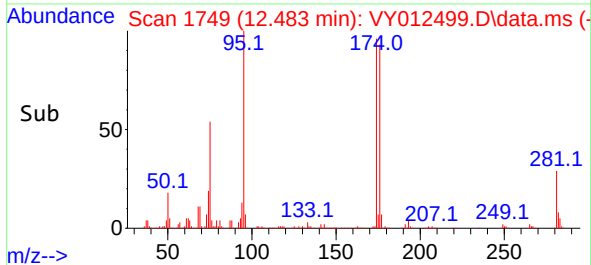
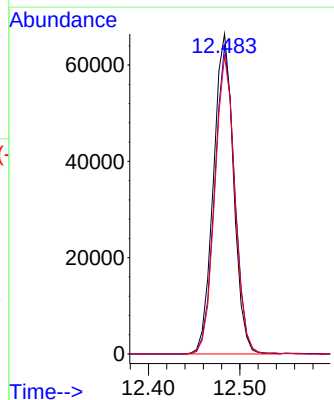
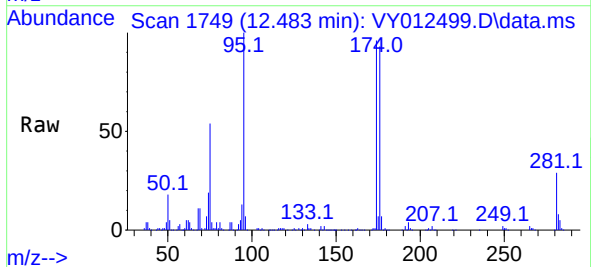
Instrument :
MSVOA_Y
ClientSampleId :

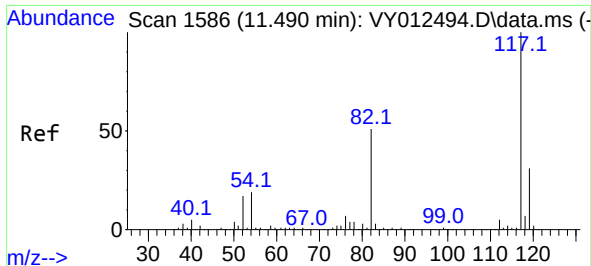
Tgt Ion: 98 Resp: 323928
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 48.194 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

Tgt Ion: 95 Resp: 101702
Ion Ratio Lower Upper
95 100
174 95.1 0.0 172.0
176 92.3 0.0 167.6

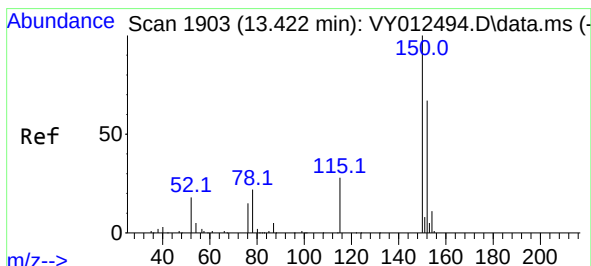
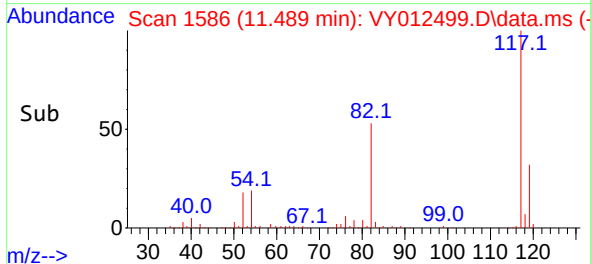
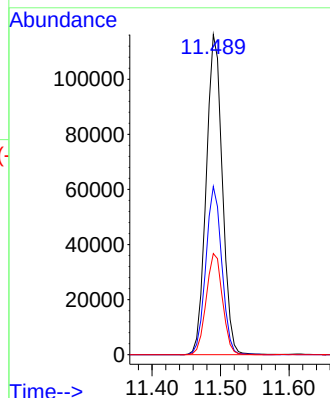
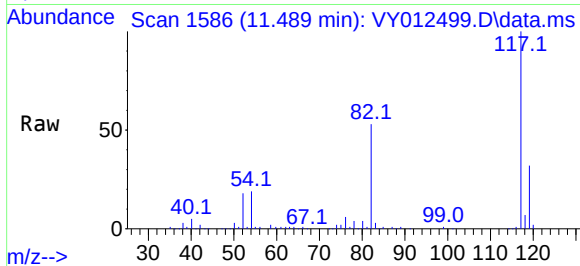




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

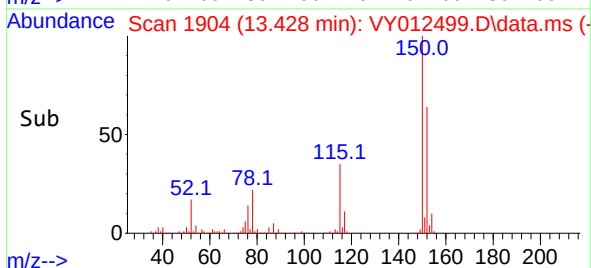
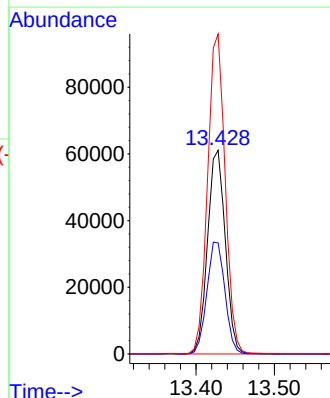
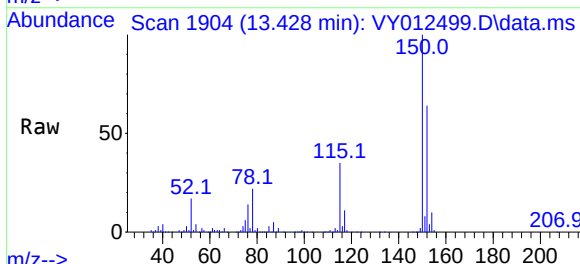
Instrument :
MSVOA_Y
ClientSampleId :

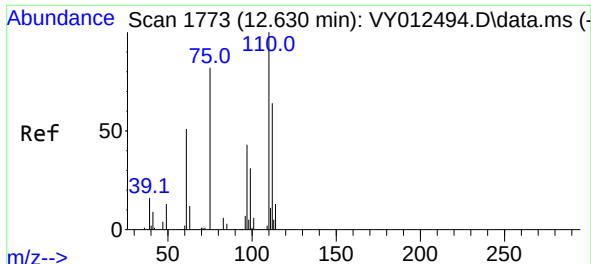
Tgt Ion:117 Resp: 190335
Ion Ratio Lower Upper
117 100
82 52.5 44.8 67.2
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

Tgt Ion:152 Resp: 96000
Ion Ratio Lower Upper
152 100
115 55.9 29.1 87.3
150 155.3 0.0 342.6

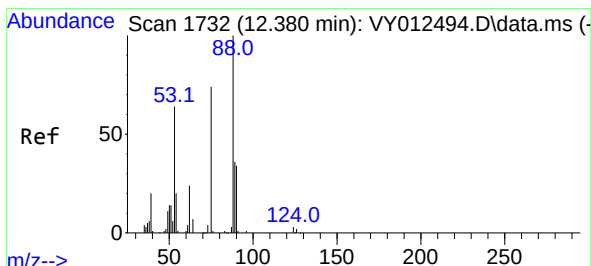
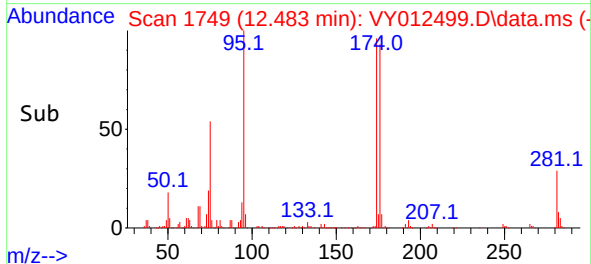
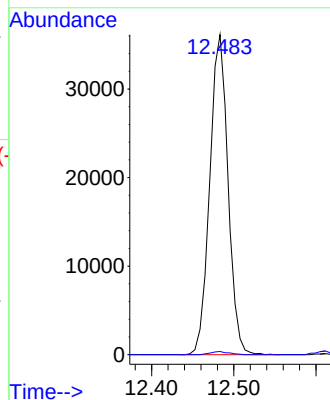
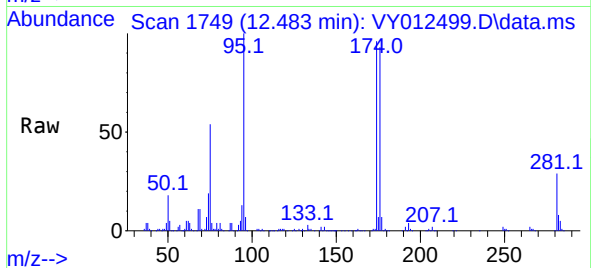




#76
1,2,3-Trichloropropane
Concen: 51.954 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 55681
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.009 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012499.D
Acq: 06 Feb 2023 16:46

Tgt Ion: 75 Resp: 55681
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.5 37.0 55.4#

