

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032123\
 Data File : VY013028.D
 Acq On : 21 Mar 2023 15:35
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Mar 22 04:21:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	78574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	134365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	125248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	56271	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51032	65.414	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.820%
35) Dibromofluoromethane	7.716	113	46966	57.919	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.840%
50) Toluene-d8	10.179	98	161732	54.557	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.120%
62) 4-Bromofluorobenzene	12.483	95	48704	48.676	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.360%

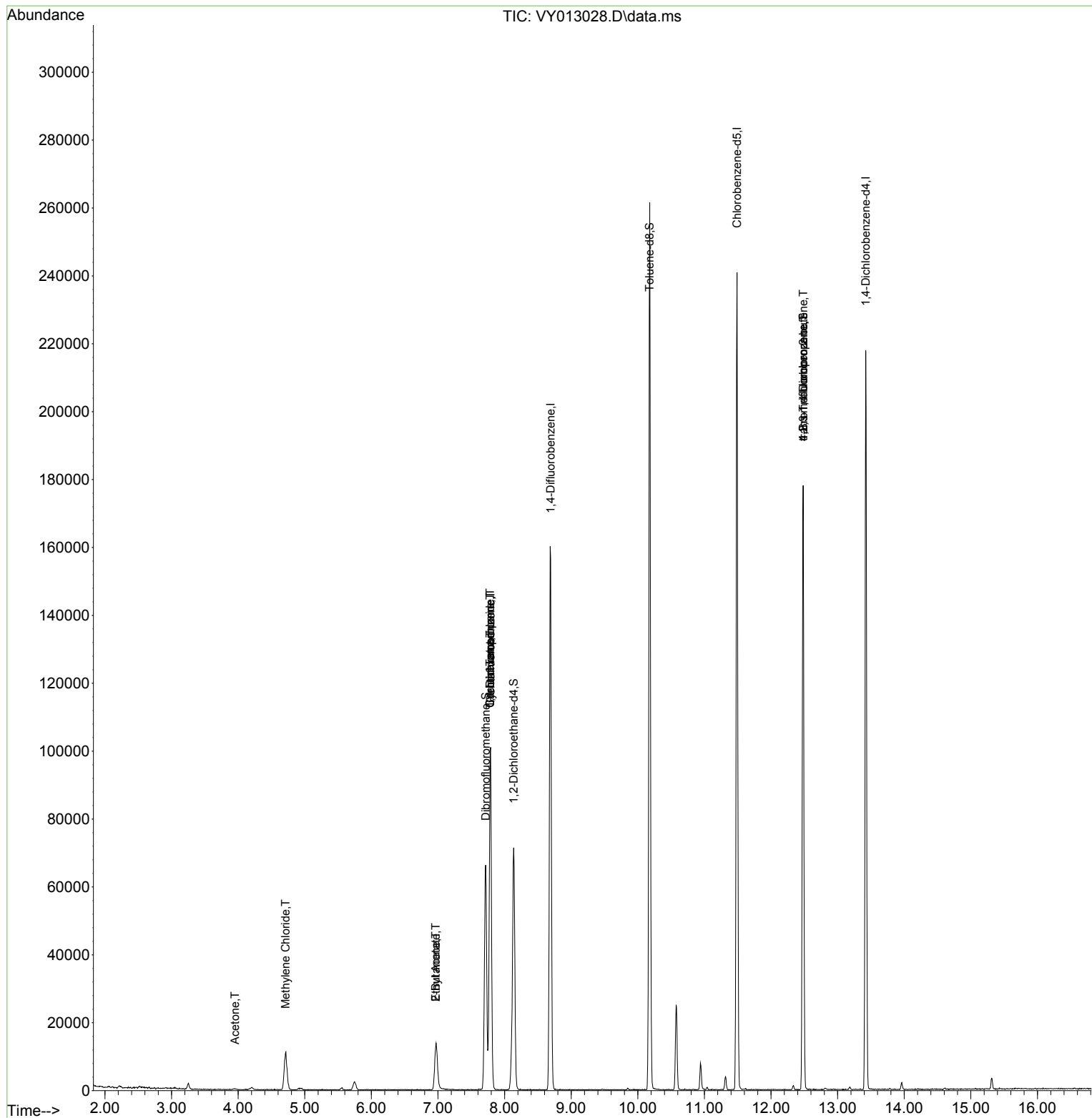
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.930	59	470	Below Cal	#	74
16) Acetone	3.954	43	554	1.809	ug/l #	44
20) Methylene Chloride	4.710	84	7846	3.388	ug/l	93
25) 2-Butanone	6.966	43	917	2.418	ug/l #	49
31) Cyclohexane	7.783	56	1830	1.225	ug/l #	10
36) 1,1-Dichloropropene	7.783	75	6148	4.524	ug/l #	48
37) Ethyl Acetate	6.966	43	917	1.071	ug/l #	1
38) Carbon Tetrachloride	7.783	117	7312	5.211	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	25779	38.364	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	25779	79.490	ug/l #	13

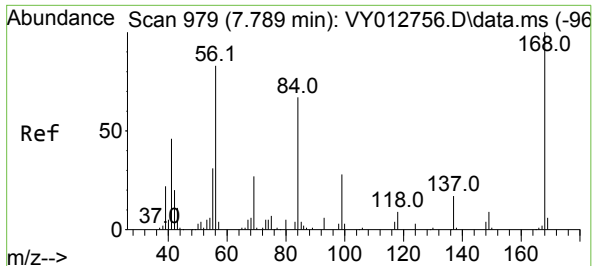
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 22 04:21:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
Response via : Initial Calibration

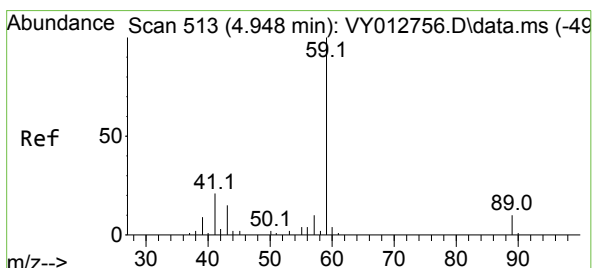
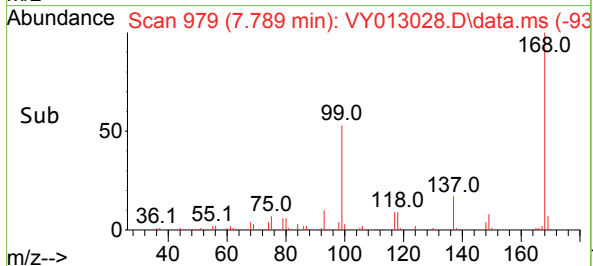
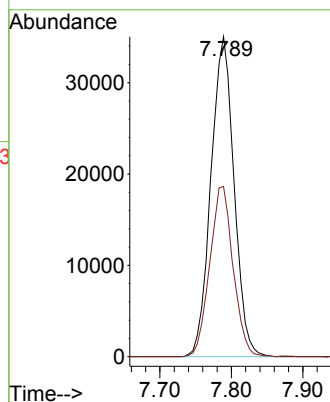
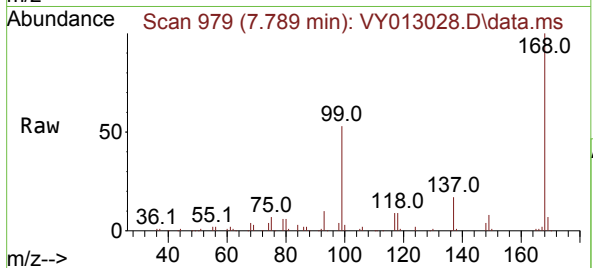




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

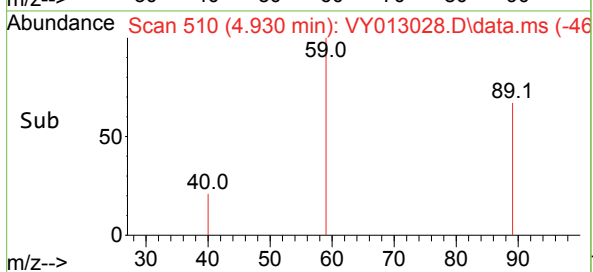
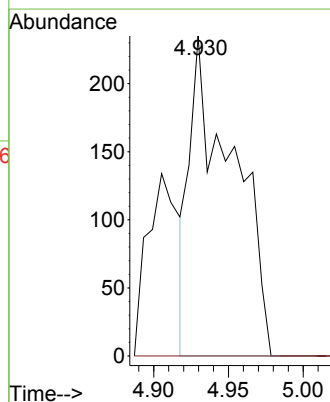
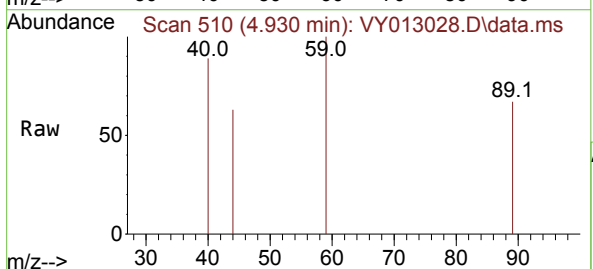
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

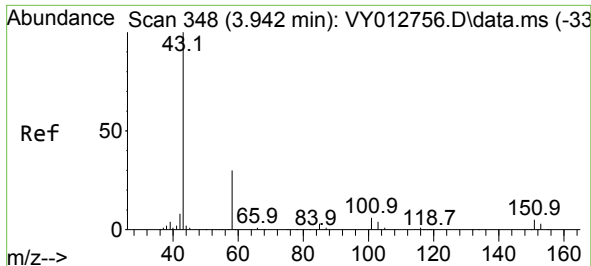
Tgt Ion:168 Resp: 78574
Ion Ratio Lower Upper
168 100
99 53.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.809 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY013028.D

Acq: 21 Mar 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

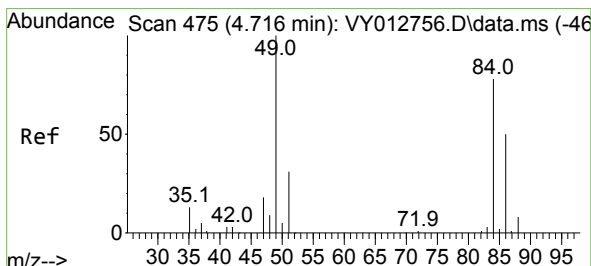
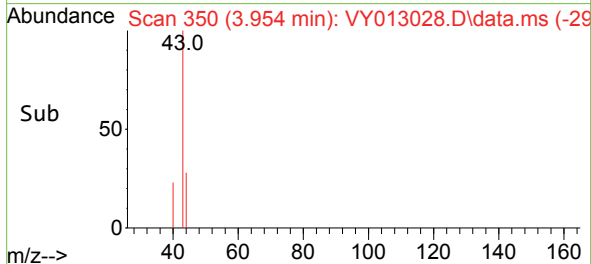
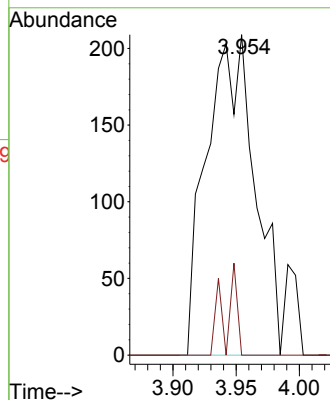
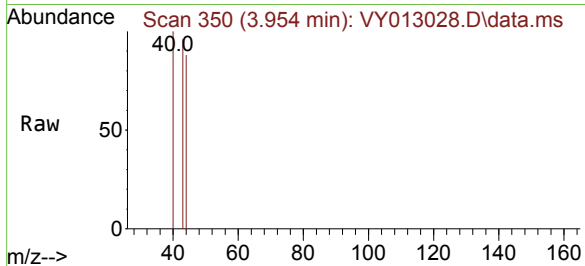
VIBLK

Tgt Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#20

Methylene Chloride

Concen: 3.388 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013028.D

Acq: 21 Mar 2023 15:35

Tgt Ion: 84 Resp: 7846

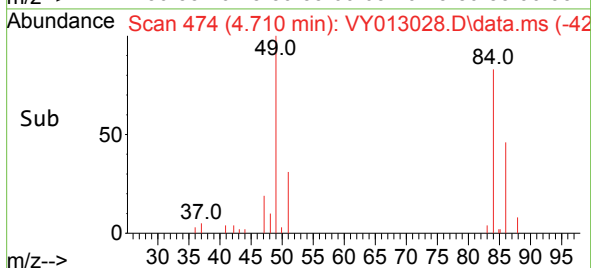
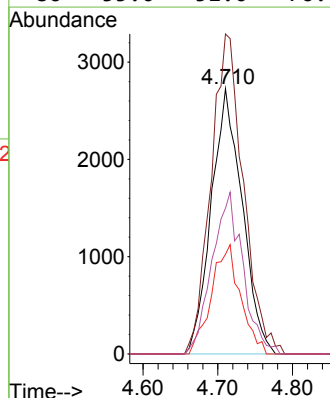
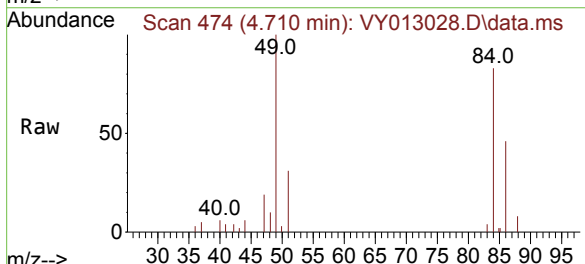
Ion Ratio Lower Upper

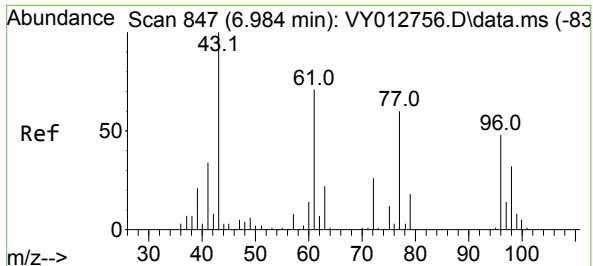
84 100

49 120.6 102.6 154.0

51 37.6 31.9 47.9

86 55.0 51.0 76.6





#25

2-Butanone

Concen: 2.418 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY013028.D

Acq: 21 Mar 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

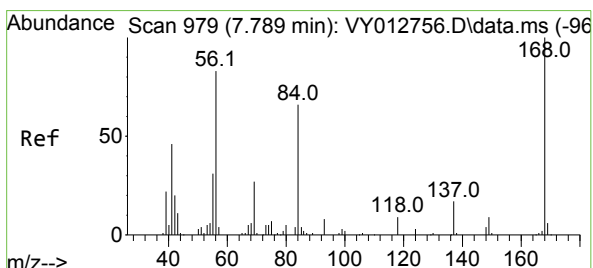
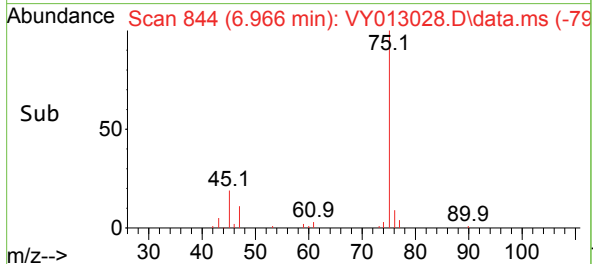
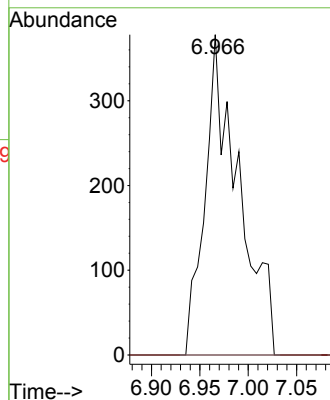
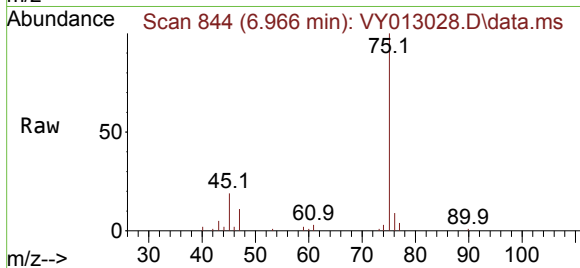
VIBLK

Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY013028.D

Acq: 21 Mar 2023 15:35

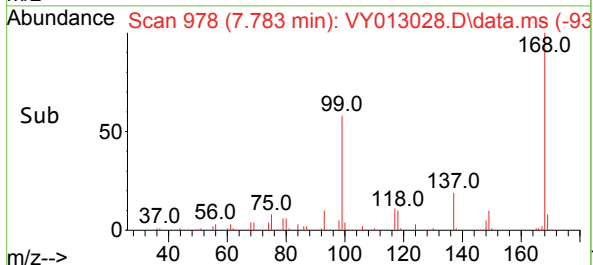
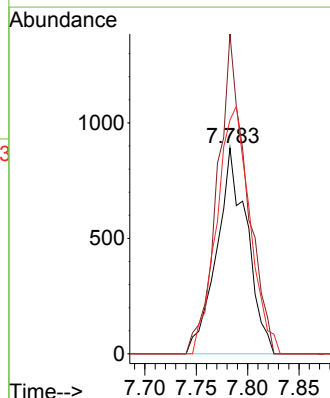
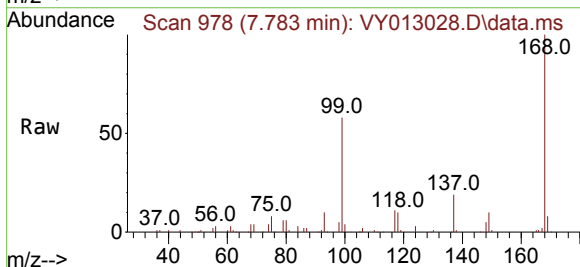
Tgt Ion: 56 Resp: 1830

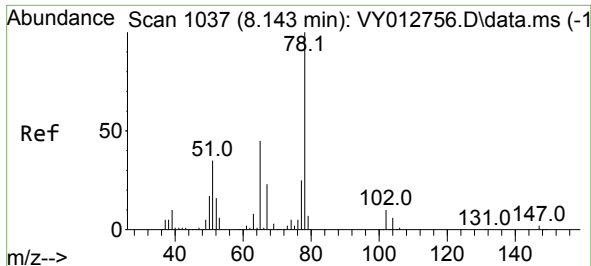
Ion Ratio Lower Upper

56 100

69 155.3 25.7 38.5#

84 113.5 64.3 96.5#

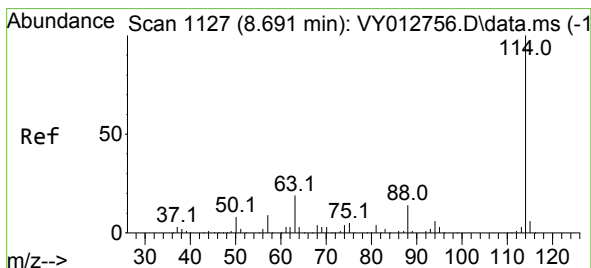
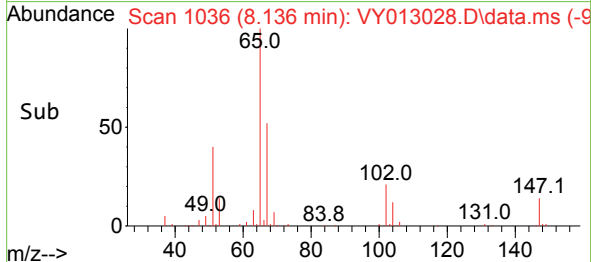
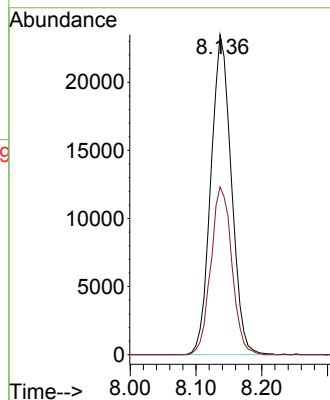
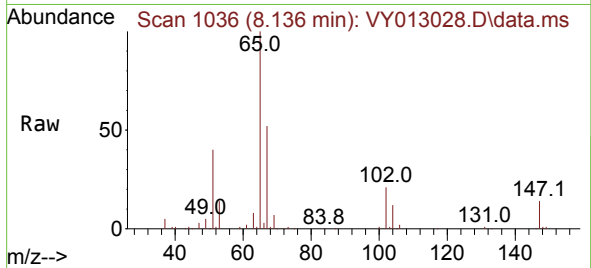




#33
 1,2-Dichloroethane-d4
 Concen: 65.414 ug/l
 RT: 8.136 min Scan# 1103
 Delta R.T. -0.007 min
 Lab File: VY013028.D
 Acq: 21 Mar 2023 15:35

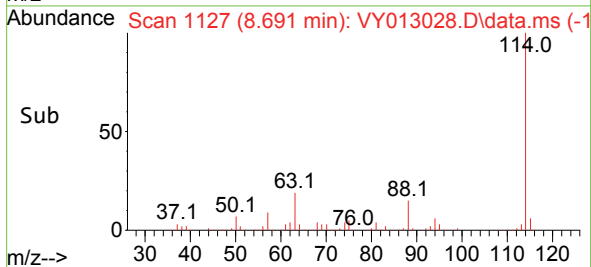
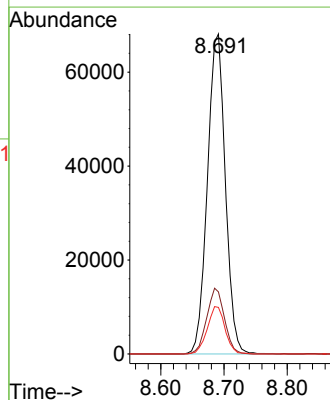
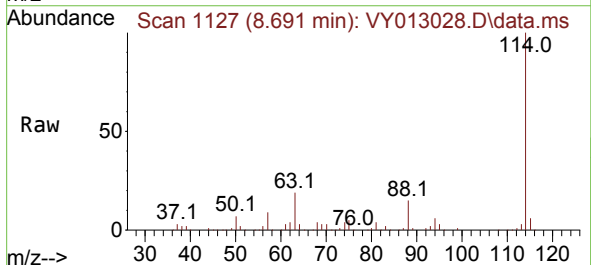
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

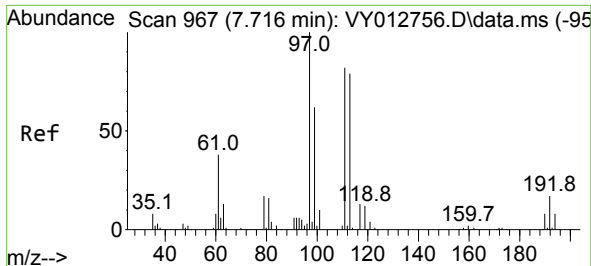
Tgt Ion: 65 Resp: 51032
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY013028.D
 Acq: 21 Mar 2023 15:35

Tgt Ion: 114 Resp: 134365
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.4
 88 14.5 0.0 28.6

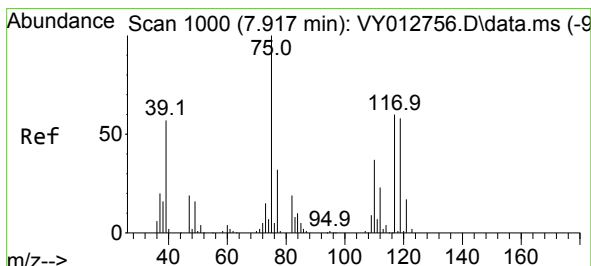
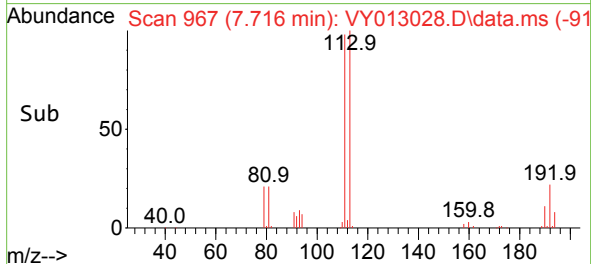
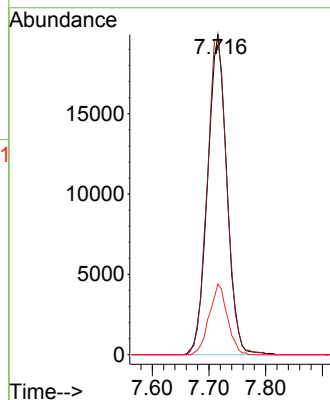
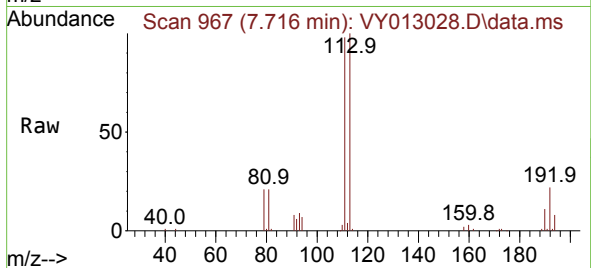




#35
Dibromofluoromethane
Concen: 57.919 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

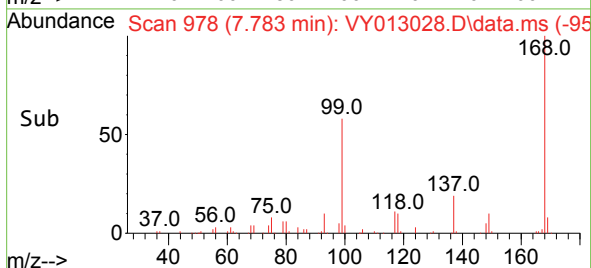
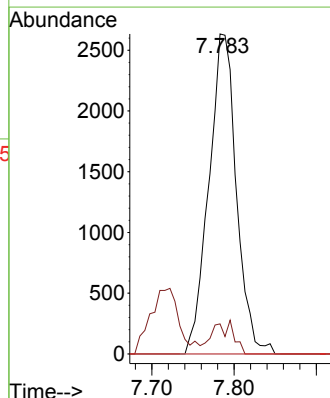
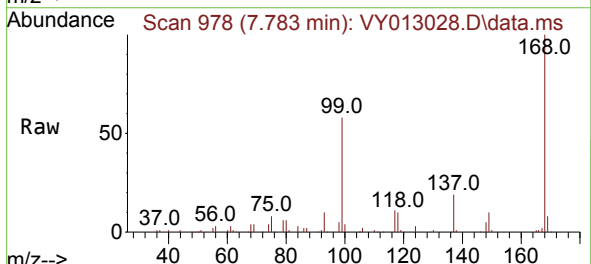
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

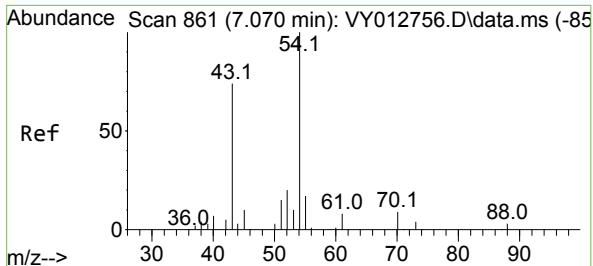
Tgt Ion:113 Resp: 46966
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 20.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.524 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

Tgt Ion: 75 Resp: 6148
Ion Ratio Lower Upper
75 100
110 7.9 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.071 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.104 min

Lab File: VY013028.D

Acq: 21 Mar 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

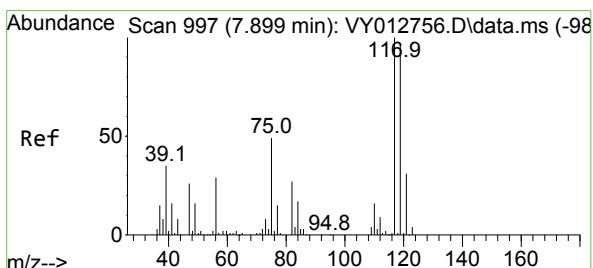
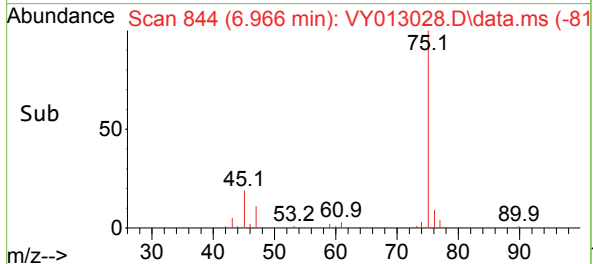
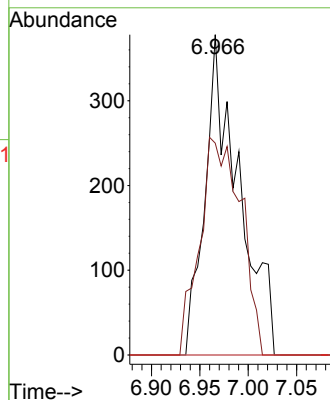
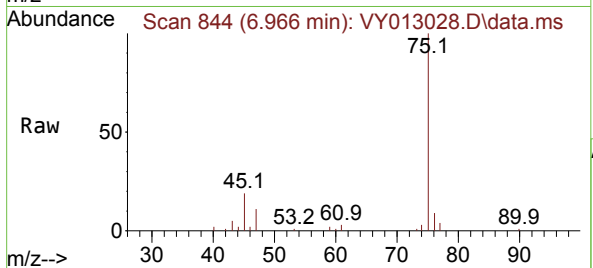
Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

61 83.1 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.211 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY013028.D

Acq: 21 Mar 2023 15:35

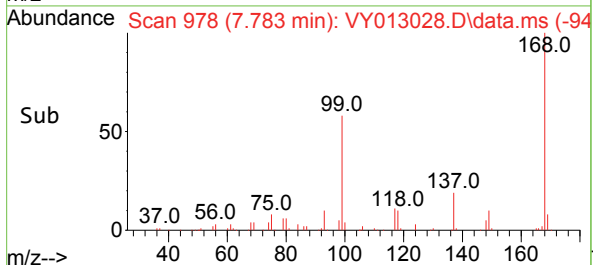
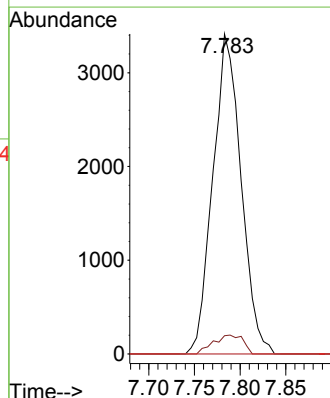
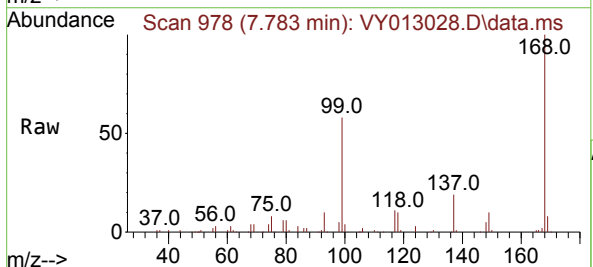
Tgt Ion: 117 Resp: 7312

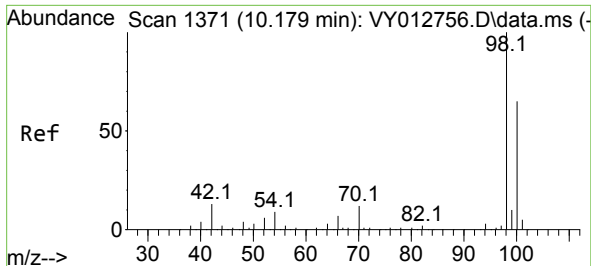
Ion Ratio Lower Upper

117 100

119 5.7 77.2 115.8#

121 0.0 24.7 37.1#

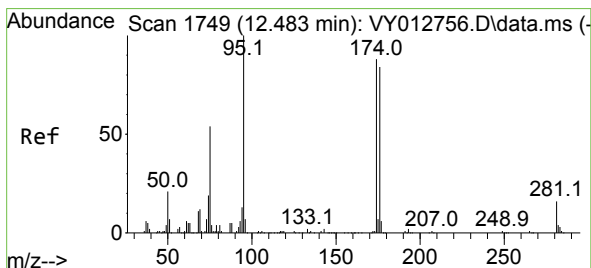
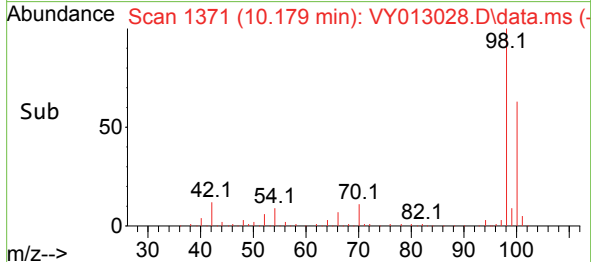
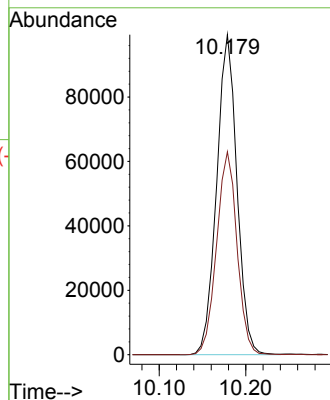
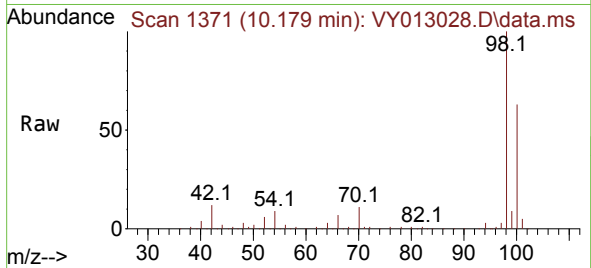




#50
Toluene-d8
Concen: 54.557 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

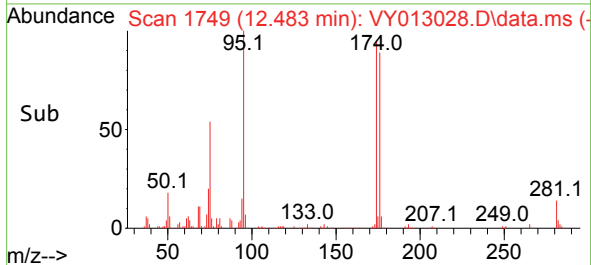
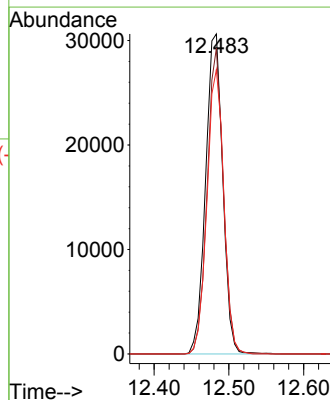
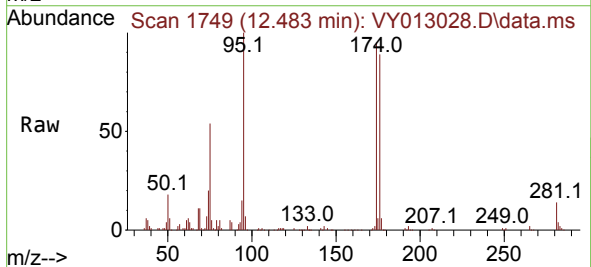
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

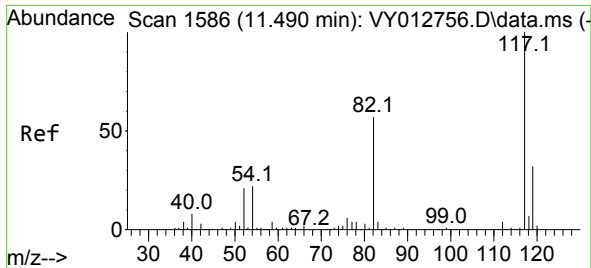
Tgt Ion: 98 Resp: 161732
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 48.676 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

Tgt Ion: 95 Resp: 48704
Ion Ratio Lower Upper
95 100
174 90.6 0.0 176.6
176 87.4 0.0 170.2

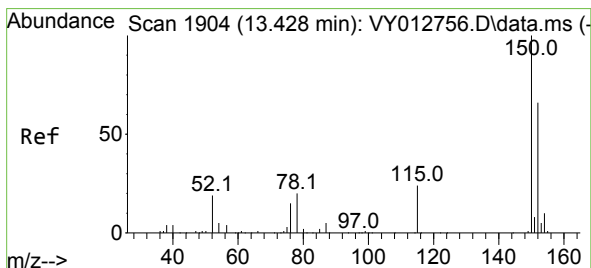
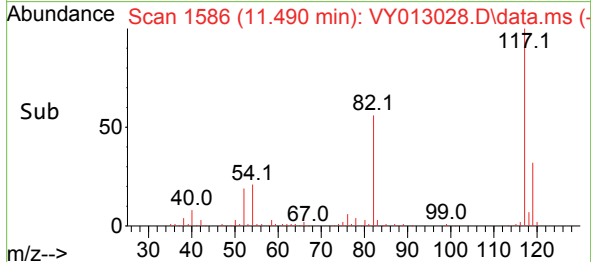
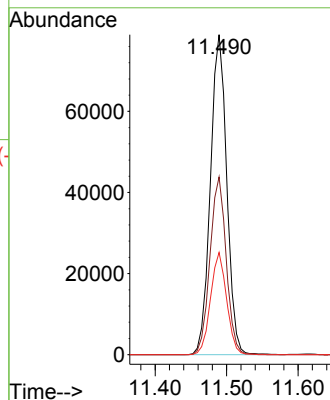
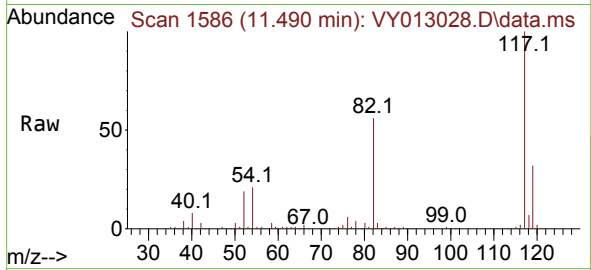




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

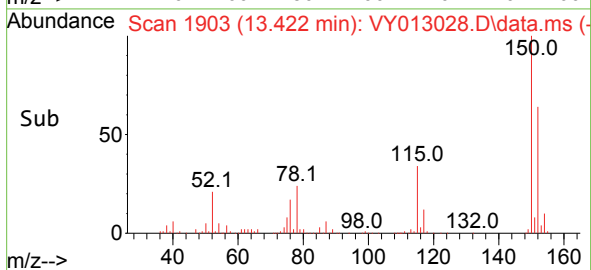
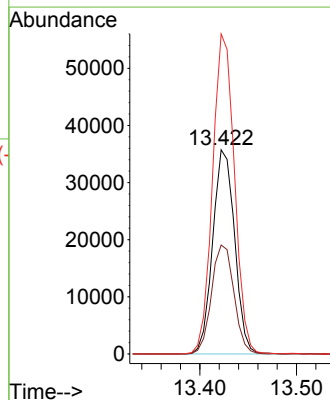
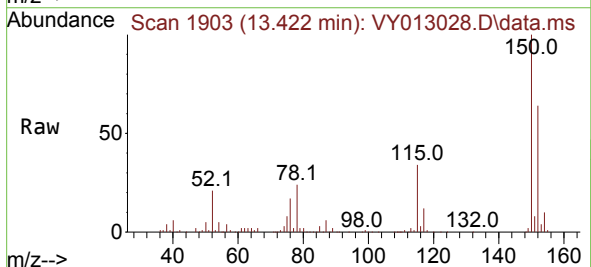
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

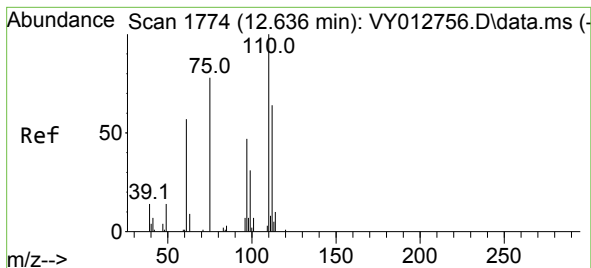
Tgt Ion:117 Resp: 125248
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.0
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

Tgt Ion:152 Resp: 56271
Ion Ratio Lower Upper
152 100
115 54.6 27.1 81.3
150 156.3 0.0 347.8

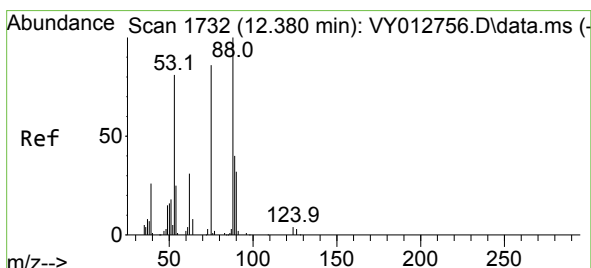
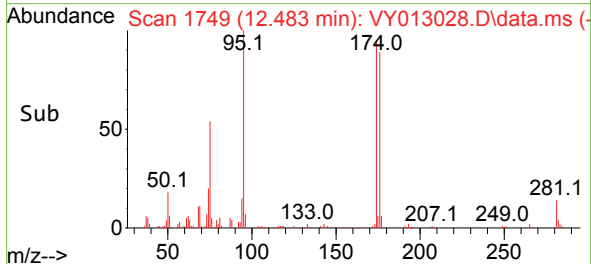
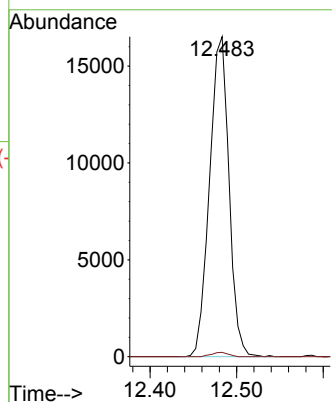
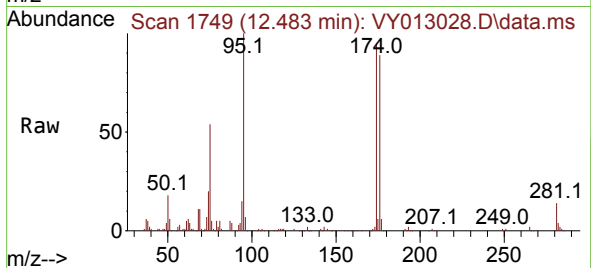




#76
1,2,3-Trichloropropane
Concen: 38.364 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 25779
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.490 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013028.D
Acq: 21 Mar 2023 15:35

Tgt Ion: 75 Resp: 25779
Ion Ratio Lower Upper
75 100
53 0.1 73.4 110.0#
89 0.0 36.6 55.0#

