

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031723\
 Data File : VY012993.D
 Acq On : 17 Mar 2023 17:46
 Operator : KP/MD
 Sample : 01954-07
 Misc : 4.62g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 05:48:21 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	87296	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	150242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	140048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	64391	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	58488	67.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.960%
35) Dibromofluoromethane	7.710	113	51564	56.869	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.740%
50) Toluene-d8	10.179	98	181927	54.884	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.760%
62) 4-Bromofluorobenzene	12.477	95	57781	51.645	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.300%

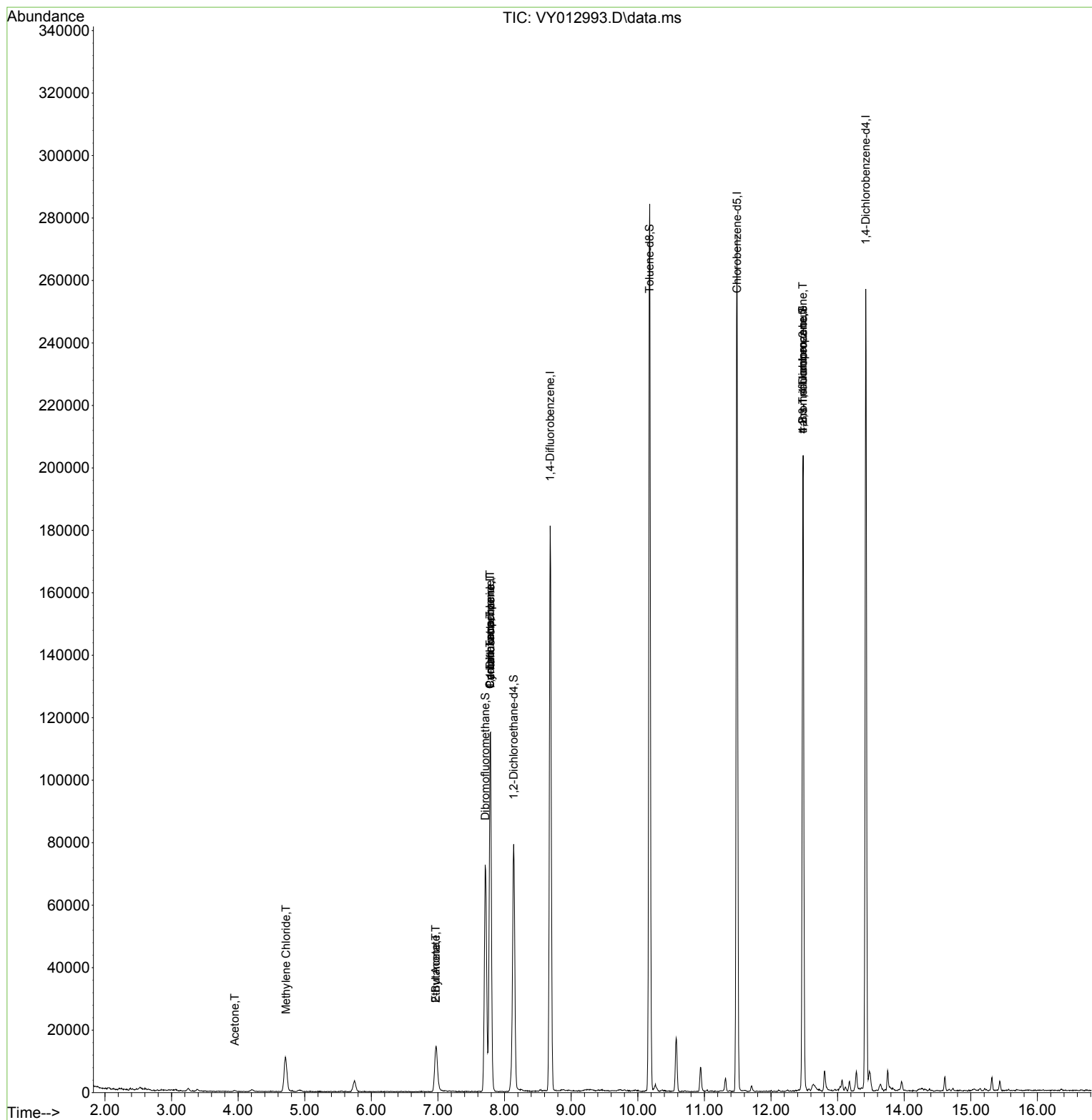
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	356	Below Cal	#	74
16) Acetone	3.948	43	531	1.561	ug/l #	44
20) Methylene Chloride	4.716	84	7430	1.999	ug/l	95
25) 2-Butanone	6.966	43	1005	2.385	ug/l #	49
31) Cyclohexane	7.783	56	2105	1.268	ug/l #	10
36) 1,1-Dichloropropene	7.783	75	7008	4.612	ug/l #	49
37) Ethyl Acetate	6.966	43	1005	1.049	ug/l #	1
38) Carbon Tetrachloride	7.783	117	8548	5.448	ug/l #	19
76) 1,2,3-Trichloropropane	12.477	75	30359	39.482	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	30359	81.808	ug/l #	13

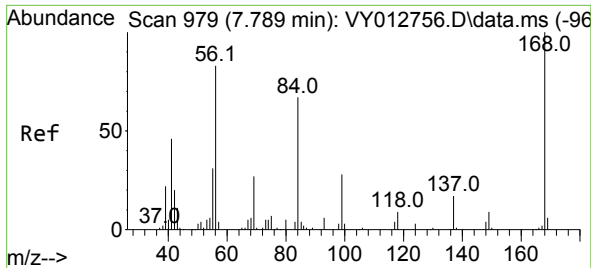
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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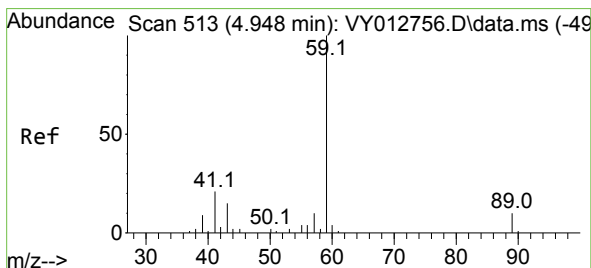
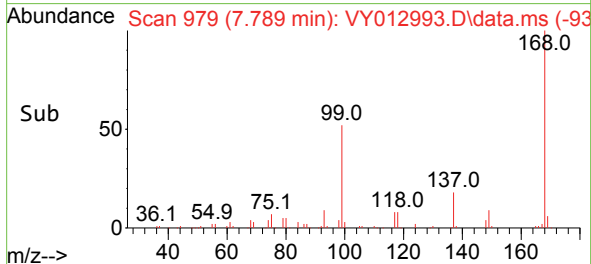
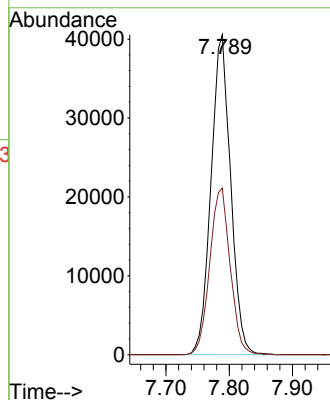
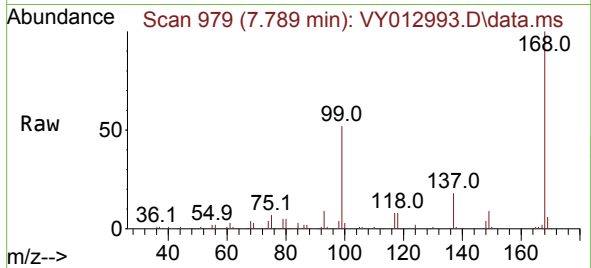




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012993.D
Acq: 17 Mar 2023 17:46

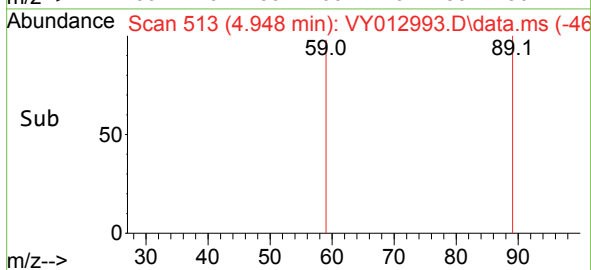
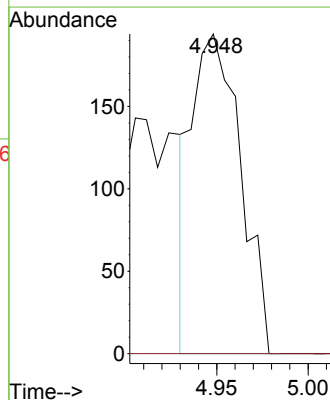
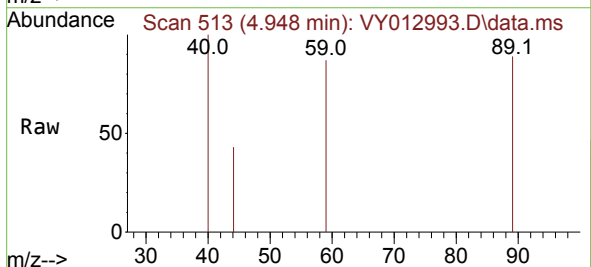
Instrument :
MSVOA_Y
ClientSampleId :

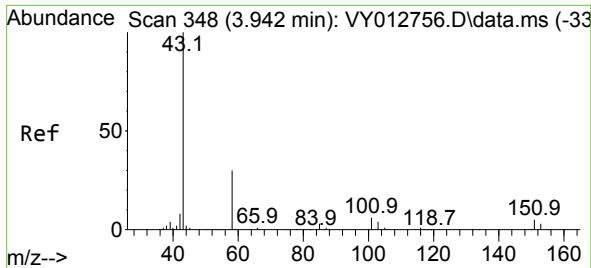
Tgt Ion:168 Resp: 87296
Ion Ratio Lower Upper
168 100
99 52.1 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY012993.D
Acq: 17 Mar 2023 17:46

Tgt Ion: 59 Resp: 356
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.561 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

Instrument :

MSVOA_Y

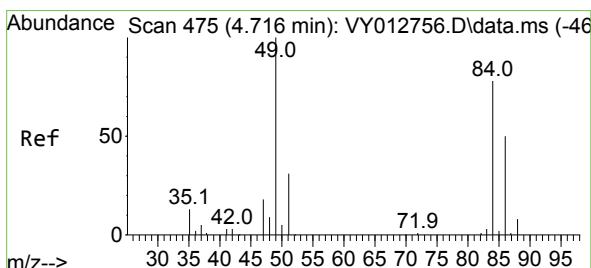
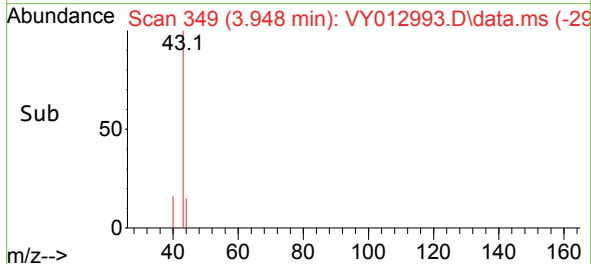
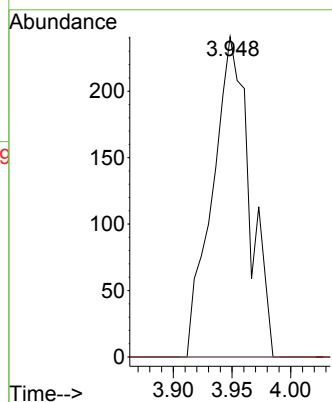
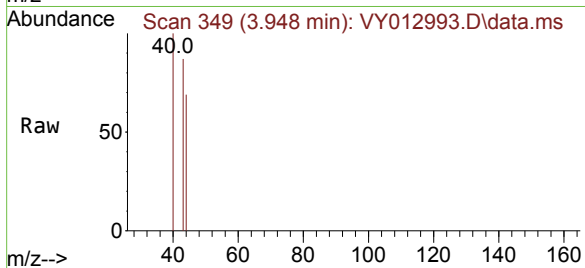
ClientSampleId :

Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#20

Methylene Chloride

Concen: 1.999 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

Tgt Ion: 84 Resp: 7430

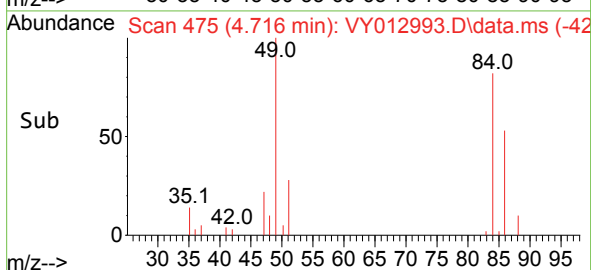
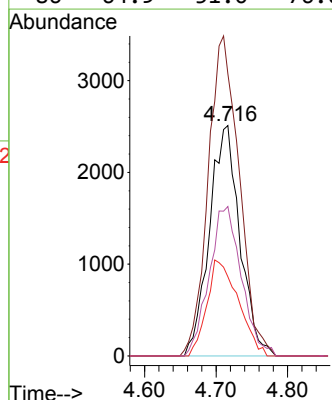
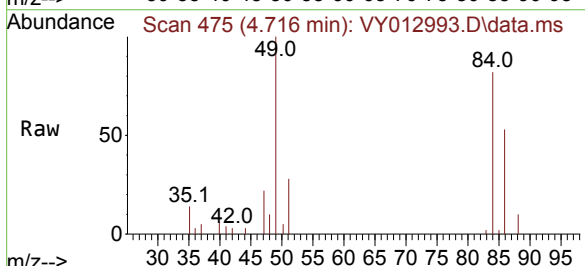
Ion Ratio Lower Upper

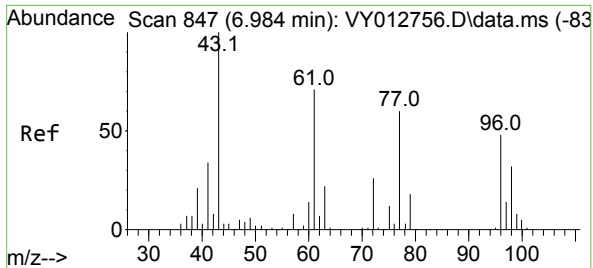
84 100

49 122.5 102.6 154.0

51 34.3 31.9 47.9

86 64.9 51.0 76.6





#25

2-Butanone

Concen: 2.385 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

Instrument :

MSVOA_Y

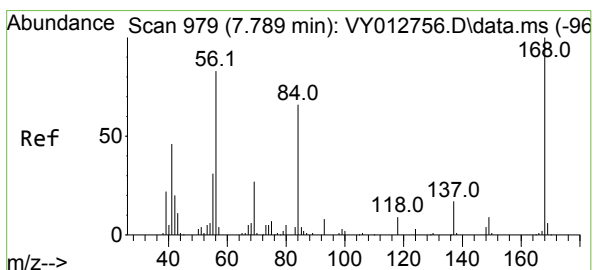
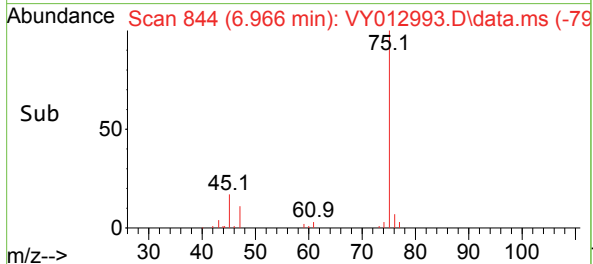
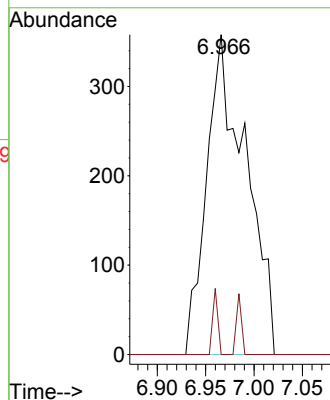
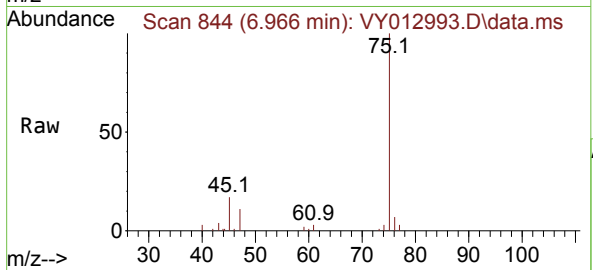
ClientSampleId :

Tgt Ion: 43 Resp: 1005

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#31

Cyclohexane

Concen: 1.268 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

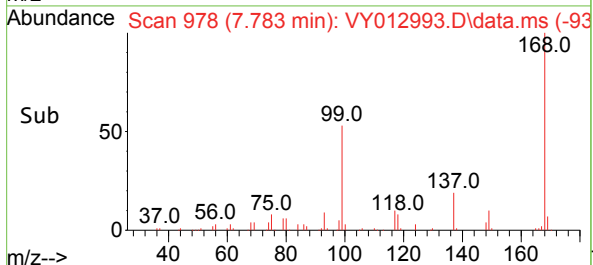
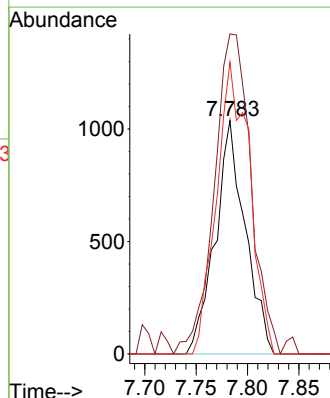
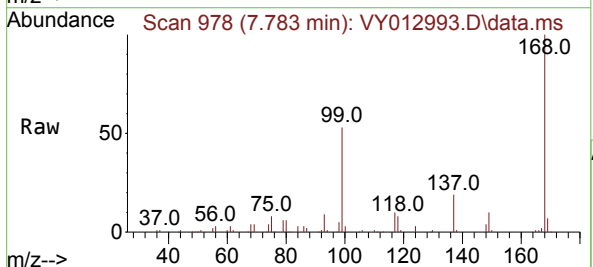
Tgt Ion: 56 Resp: 2105

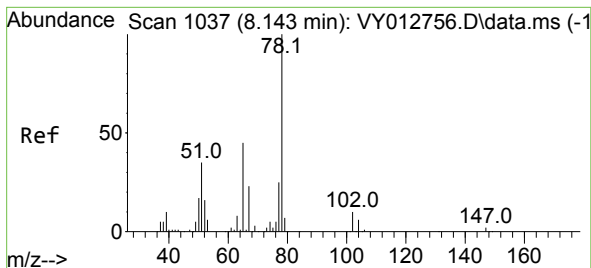
Ion Ratio Lower Upper

56 100

69 137.1 25.7 38.5#

84 125.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 67.481 ug/l

RT: 8.137 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

Instrument :

MSVOA_Y

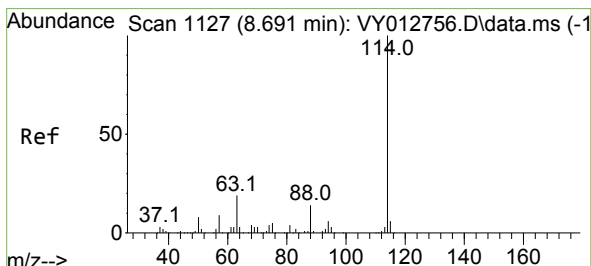
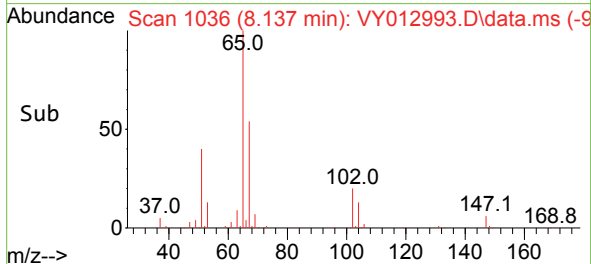
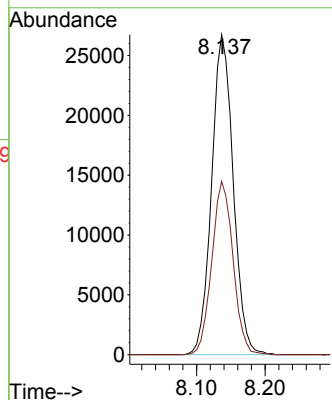
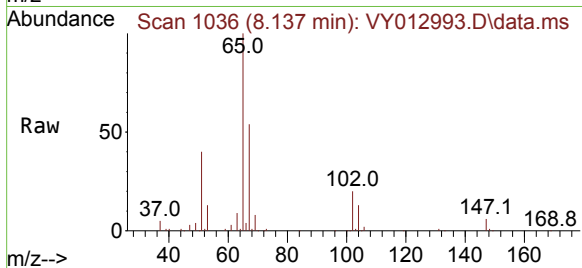
ClientSampleId :

Tgt Ion: 65 Resp: 58488

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

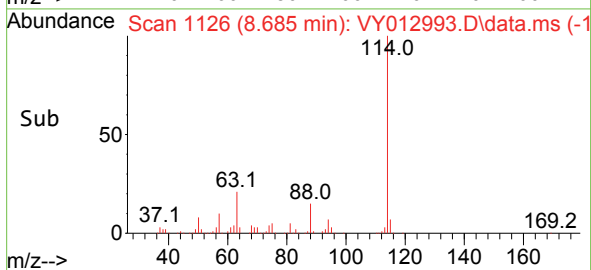
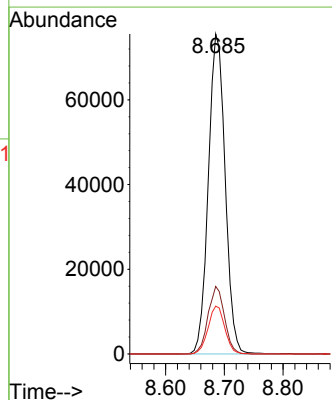
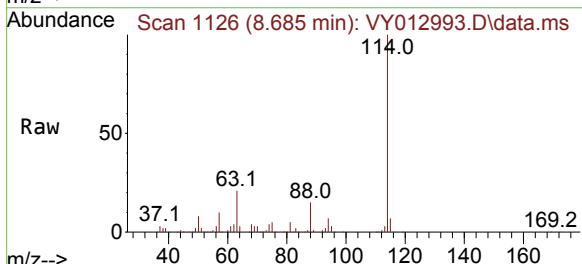
Tgt Ion: 114 Resp: 150242

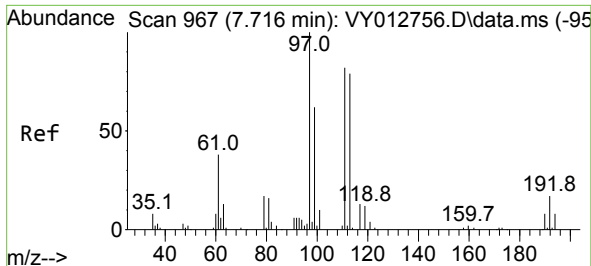
Ion Ratio Lower Upper

114 100

63 21.1 0.0 37.4

88 14.9 0.0 28.6

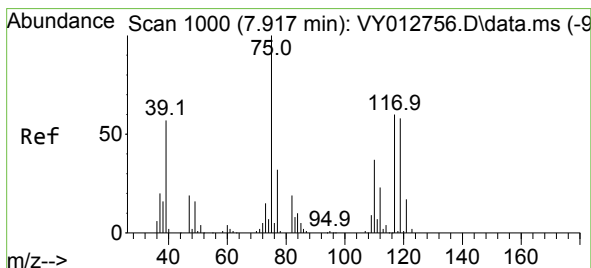
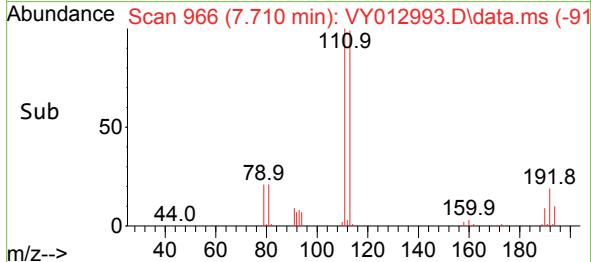
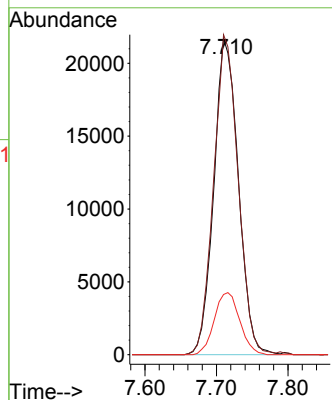
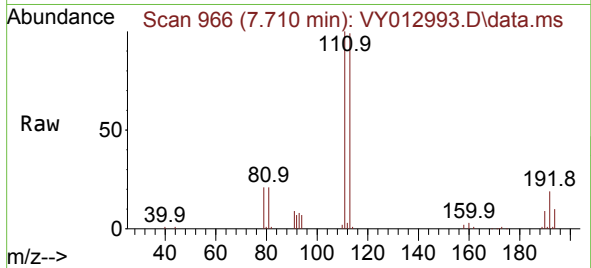




#35
Dibromofluoromethane
Concen: 56.869 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY012993.D
Acq: 17 Mar 2023 17:46

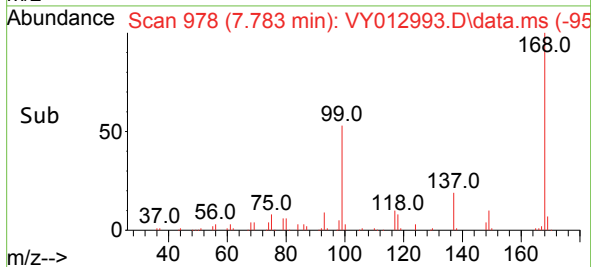
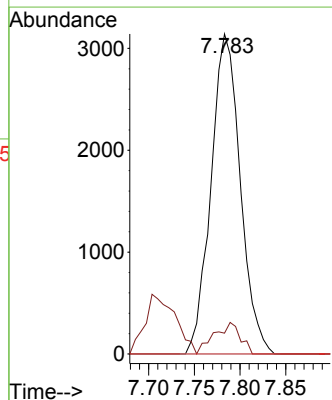
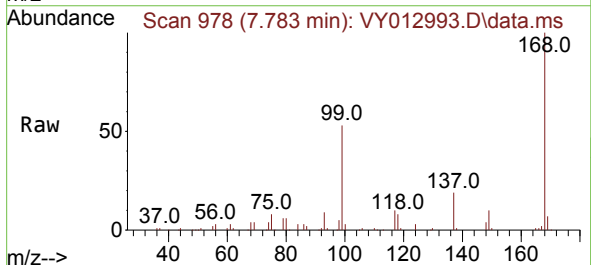
Instrument :
MSVOA_Y
ClientSampleId :

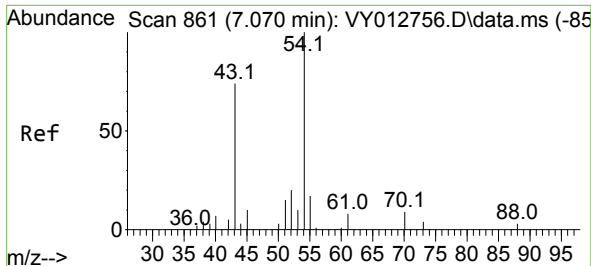
Tgt Ion:113 Resp: 51564
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.2
192 20.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.612 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012993.D
Acq: 17 Mar 2023 17:46

Tgt Ion: 75 Resp: 7008
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.049 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.104 min

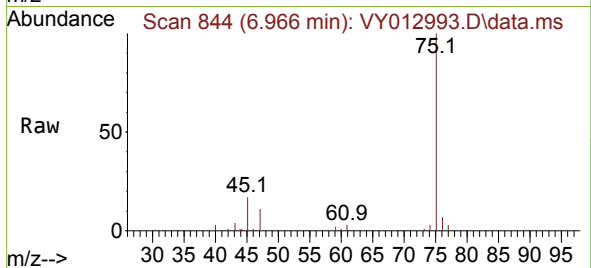
Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

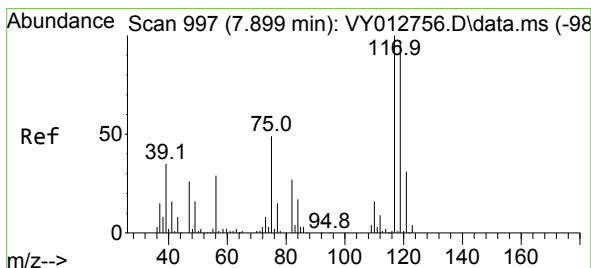
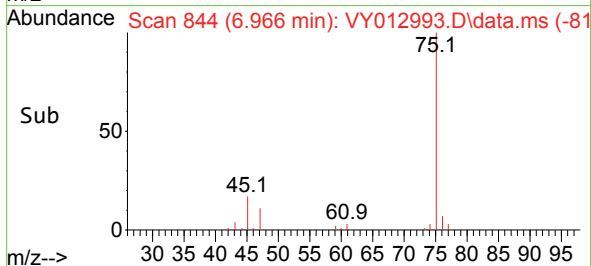
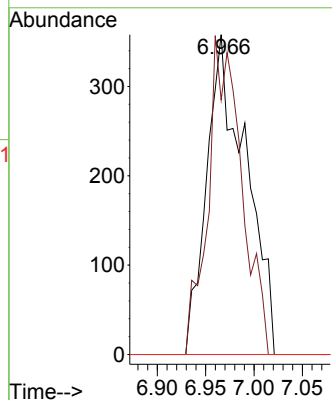
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp: 1005
Ion Ratio	Lower Upper
43	100
61	86.0 10.7 16.1#
70	0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.448 ug/l

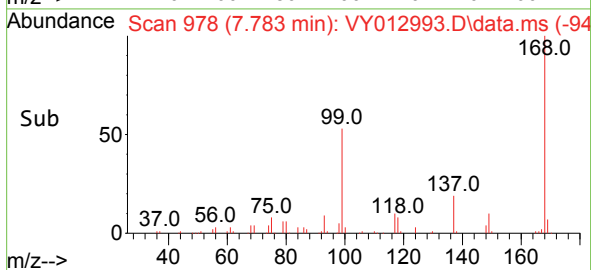
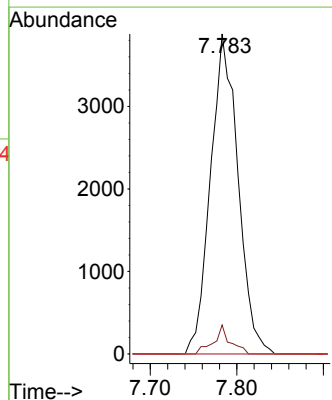
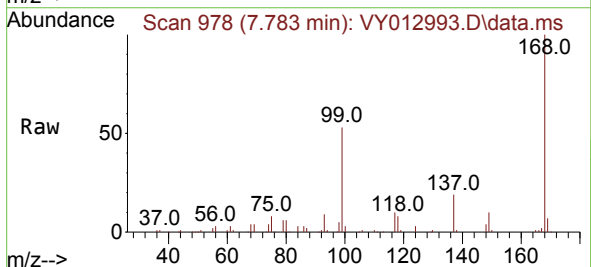
RT: 7.783 min Scan# 978

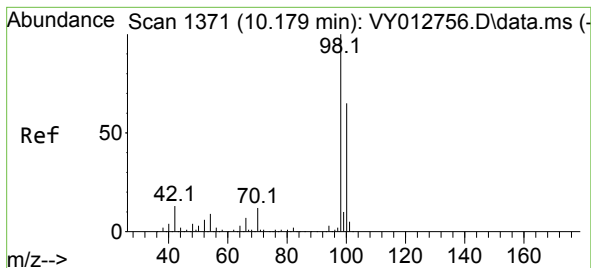
Delta R.T. -0.116 min

Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

Tgt Ion: 117	Resp: 8548
Ion Ratio	Lower Upper
117	100
119	9.1 77.2 115.8#
121	0.0 24.7 37.1#





#50

Toluene-d8

Concen: 54.884 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

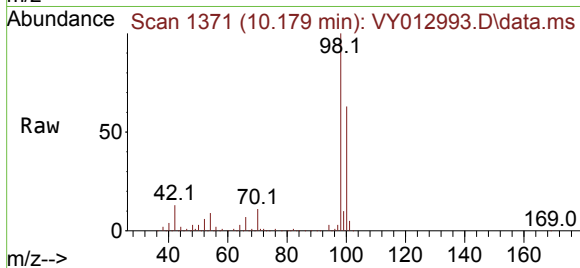
Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :

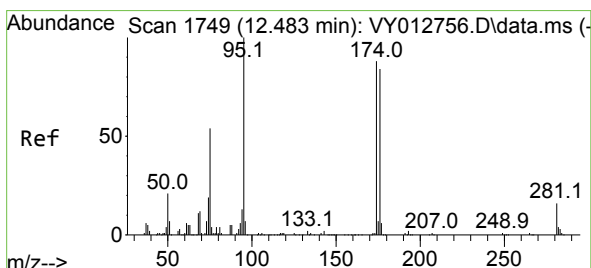
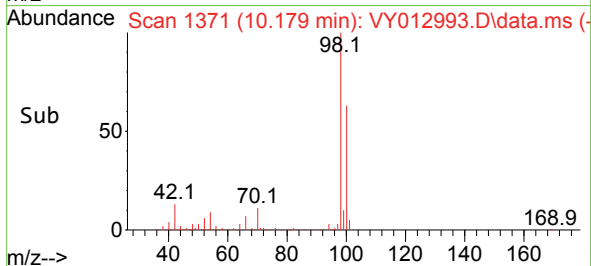
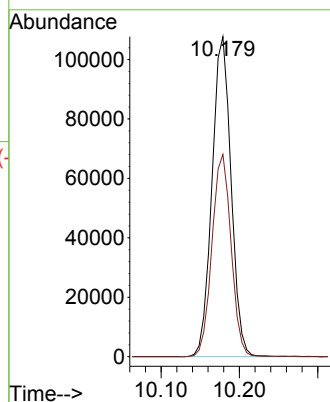


Tgt Ion: 98 Resp: 181927

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 51.645 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY012993.D

Acq: 17 Mar 2023 17:46

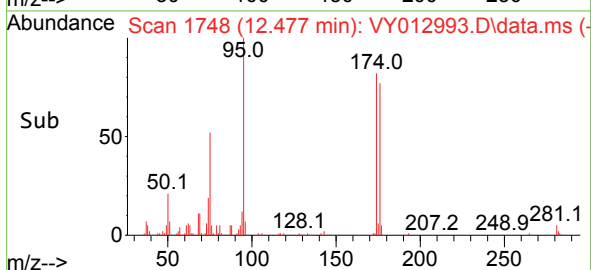
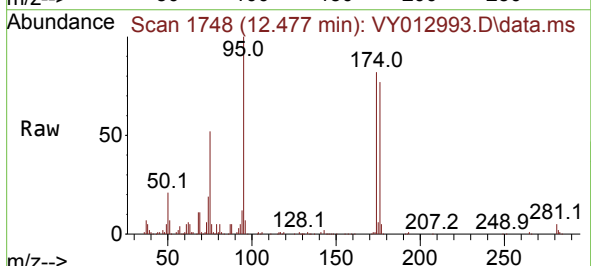
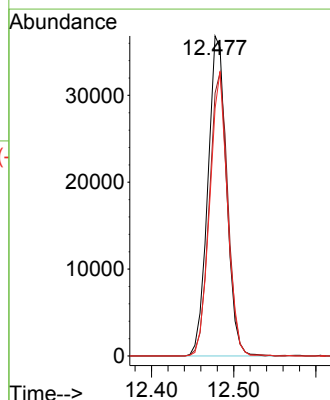
Tgt Ion: 95 Resp: 57781

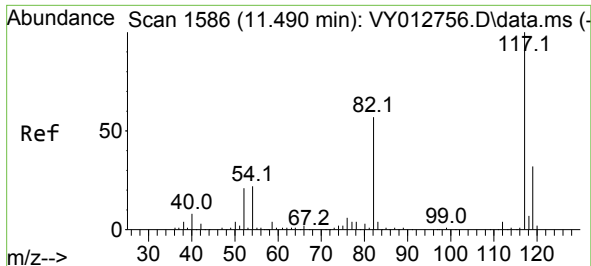
Ion Ratio Lower Upper

95 100

174 88.6 0.0 176.6

176 84.5 0.0 170.2

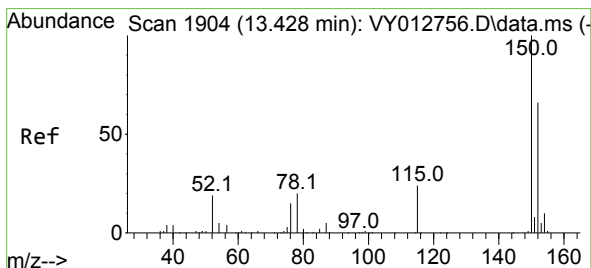
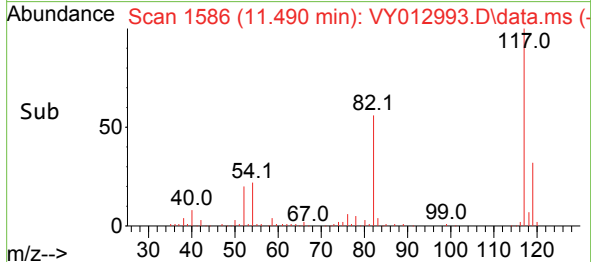
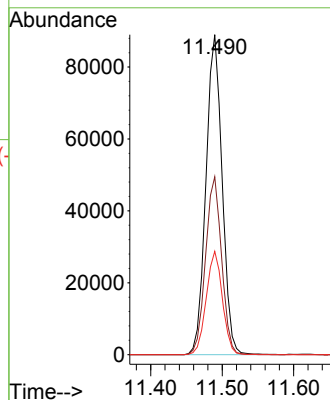
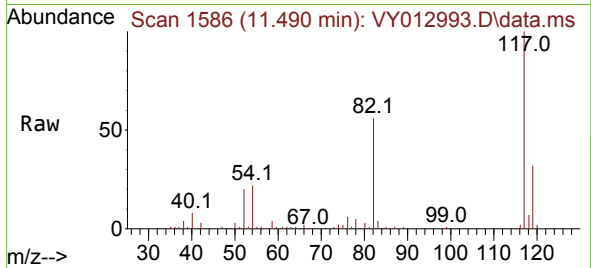




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012993.D
Acq: 17 Mar 2023 17:46

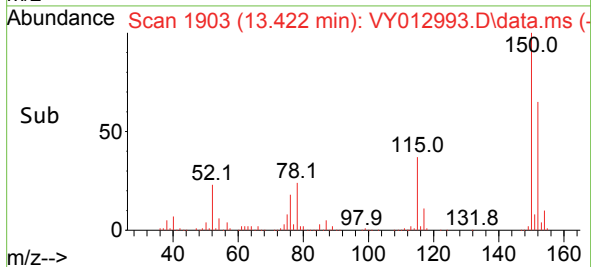
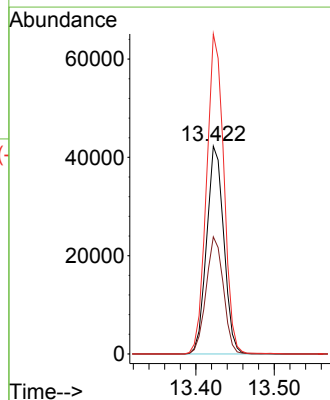
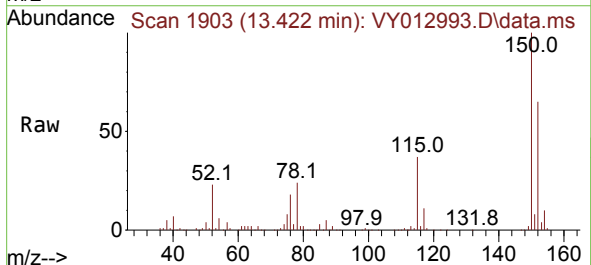
Instrument :
MSVOA_Y
ClientSampleId :

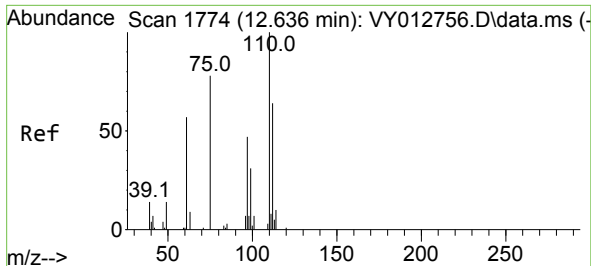
Tgt Ion:117 Resp: 140048
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012993.D
Acq: 17 Mar 2023 17:46

Tgt Ion:152 Resp: 64391
Ion Ratio Lower Upper
152 100
115 56.8 27.1 81.3
150 154.8 0.0 347.8

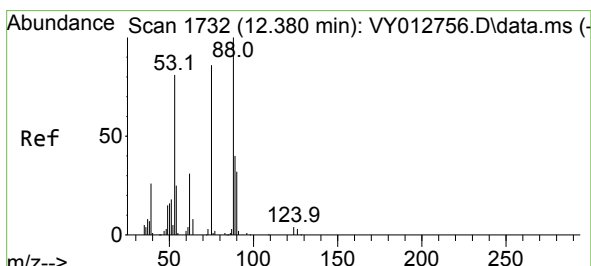
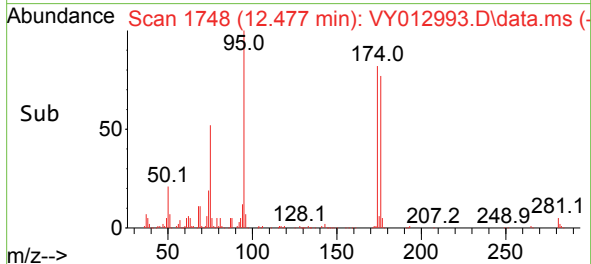
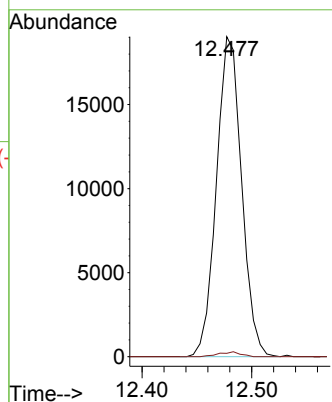
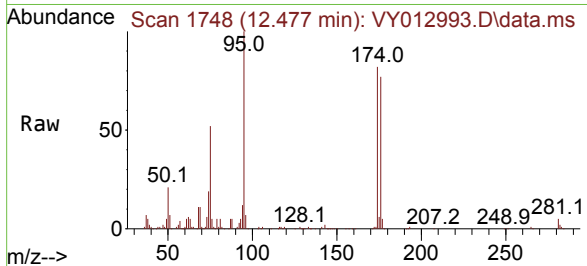




#76
1,2,3-Trichloropropane
Concen: 39.482 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012993.D
Acq: 17 Mar 2023 17:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 30359
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.808 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012993.D
Acq: 17 Mar 2023 17:46

Tgt Ion: 75 Resp: 30359
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.0 36.6 55.0#

