

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015653.D
 Acq On : 20 Sep 2023 12:58
 Operator : SY/MD
 Sample : 04491-01
 Misc : 3.65g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 03:39:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

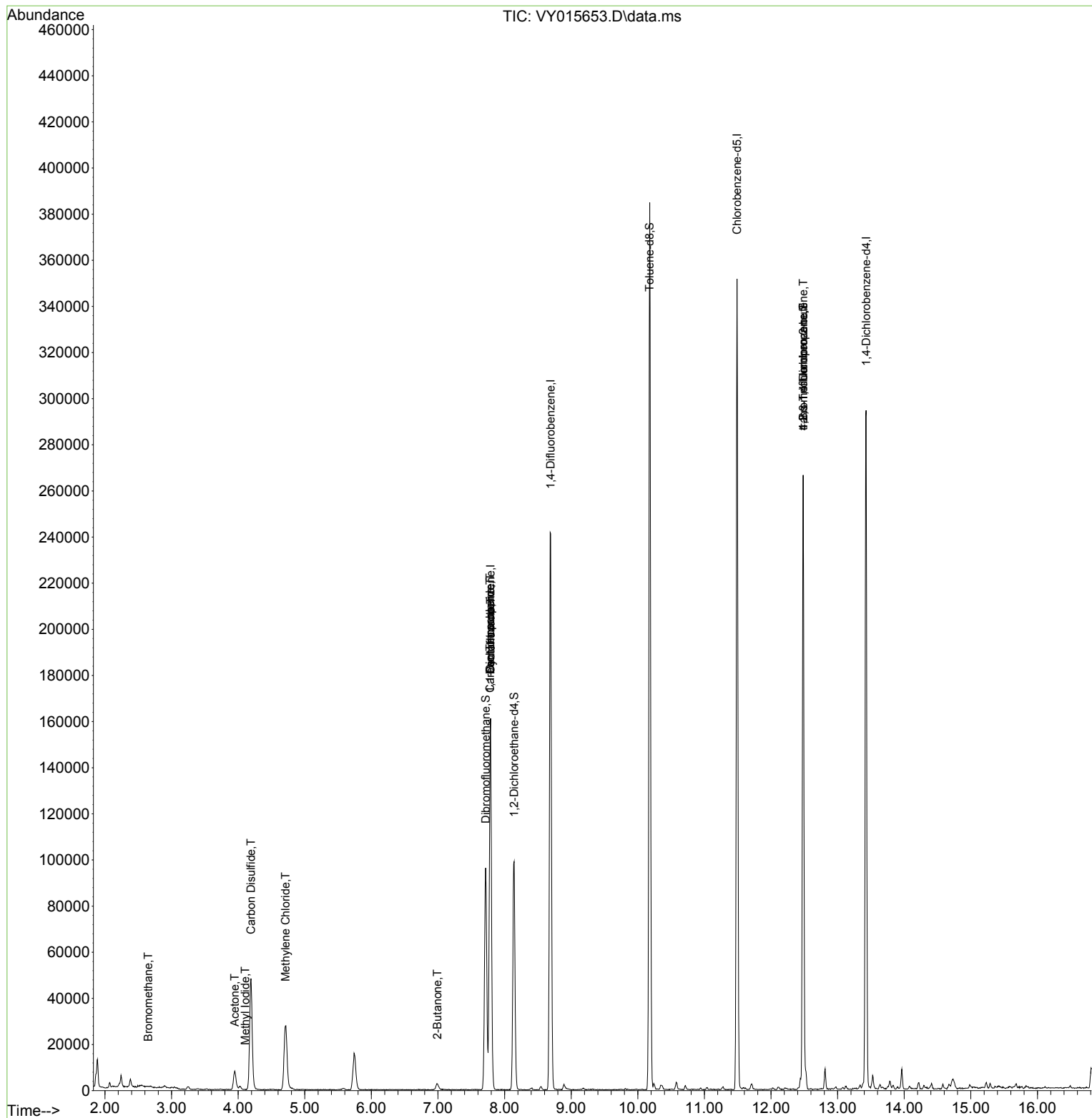
Internal Standards						
1) Pentafluorobenzene	7.789	168	122871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	210898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	188593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	77447	57.287	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.580%	
35) Dibromofluoromethane	7.716	113	67932	53.816	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.640%	
50) Toluene-d8	10.179	98	248571	58.077	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.160%	
62) 4-Bromofluorobenzene	12.483	95	76915	45.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	46	2.594	ug/l #	71
10) Methyl Iodide	4.107	142	109	2.800	ug/l #	38
11) Tert butyl alcohol	4.936	59	127	Below Cal	#	89
16) Acetone	3.948	43	14810	20.470	ug/l	91
17) Carbon Disulfide	4.192	76	99065	47.174	ug/l	99
20) Methylene Chloride	4.710	84	21924	9.961	ug/l	89
25) 2-Butanone	6.990	43	4352	4.256	ug/l	92
31) Cyclohexane	7.789	56	2566	1.370	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	9420	5.047	ug/l #	51
38) Carbon Tetrachloride	7.783	117	12208	6.026	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	41678	33.522	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41678	75.488	ug/l #	10

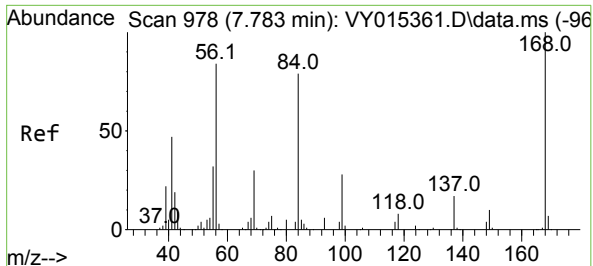
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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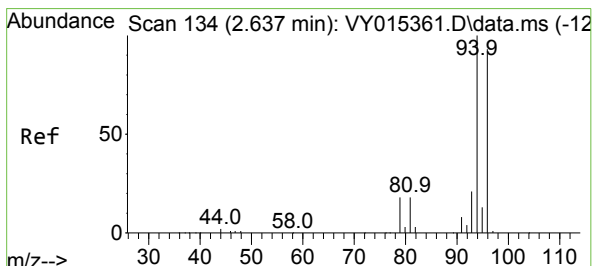
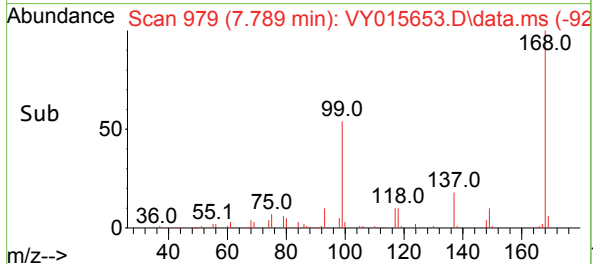
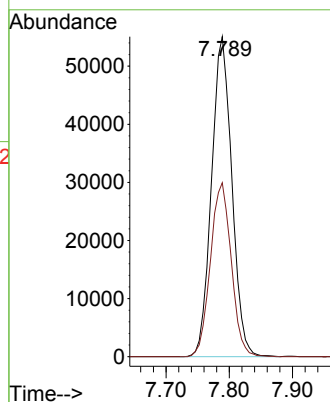
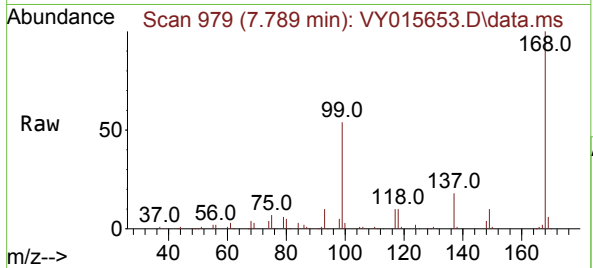




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

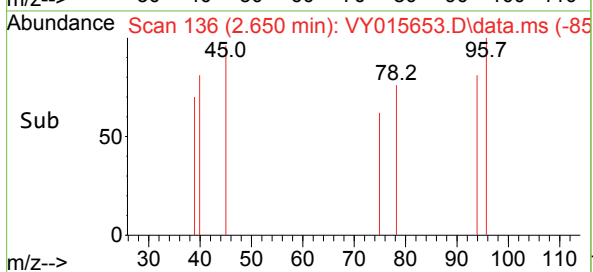
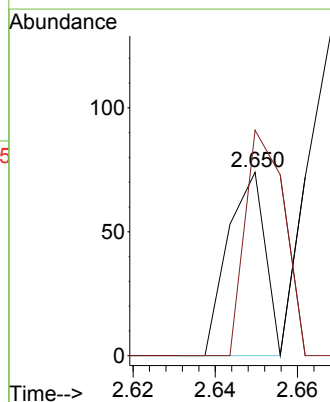
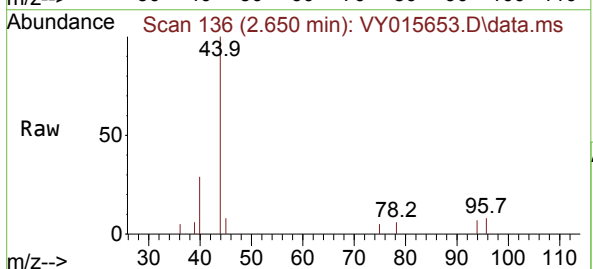
Instrument :
MSVOA_Y
ClientSampleId :

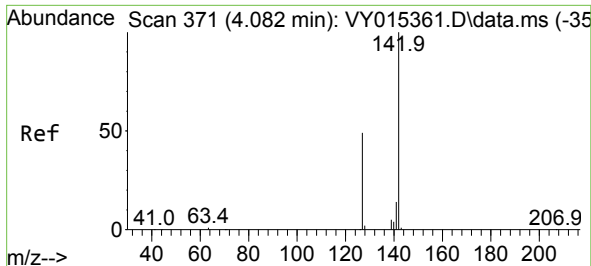
Tgt Ion:168 Resp: 122871
Ion Ratio Lower Upper
168 100
99 54.3 43.4 65.0



#5
Bromomethane
Concen: 2.594 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

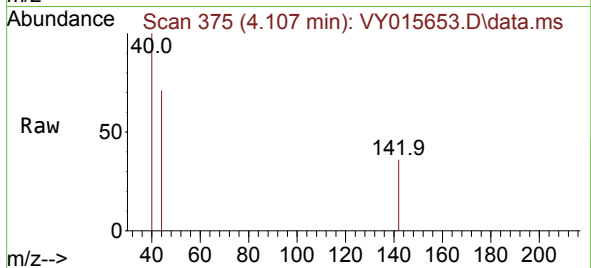
Tgt Ion: 94 Resp: 46
Ion Ratio Lower Upper
94 100
96 123.0 75.8 113.6#



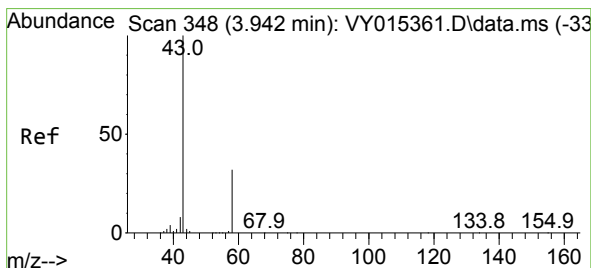
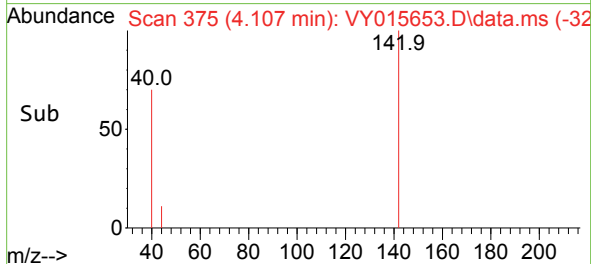
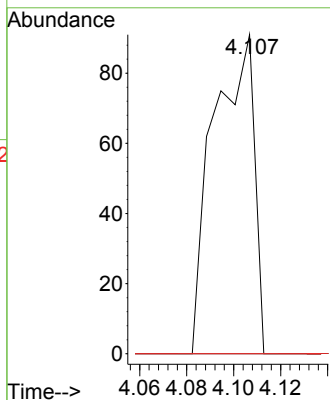


#10
Methyl Iodide
Concen: 2.800 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

Instrument :
MSVOA_Y
ClientSampleId :

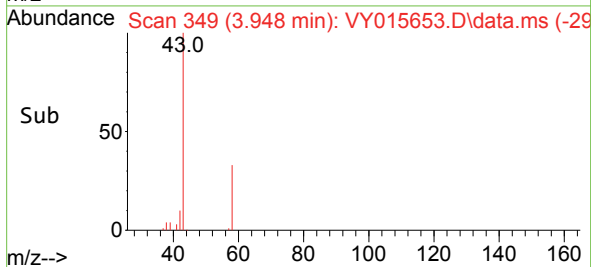
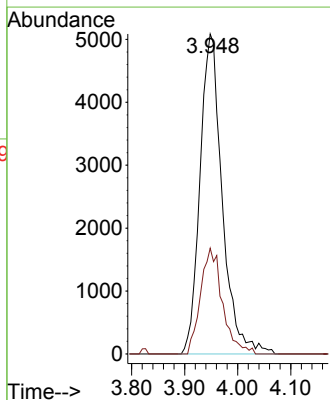
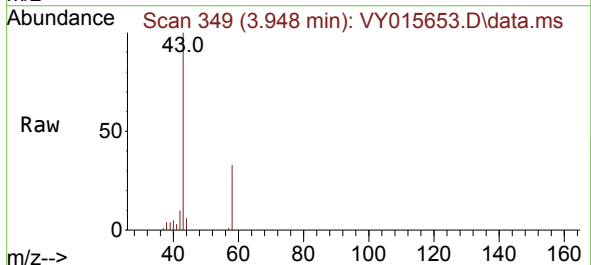


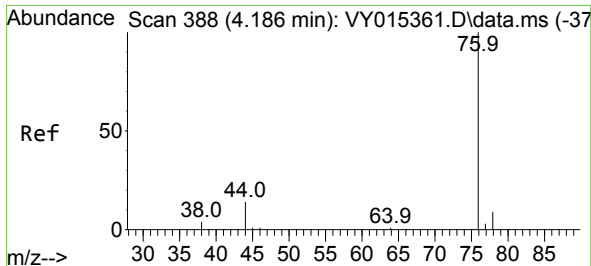
Tgt Ion:142 Resp: 109
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 20.470 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

Tgt Ion: 43 Resp: 14810
Ion Ratio Lower Upper
43 100
58 33.1 22.7 34.1





#17

Carbon Disulfide

Concen: 47.174 ug/l

RT: 4.192 min Scan# 389

Delta R.T. 0.006 min

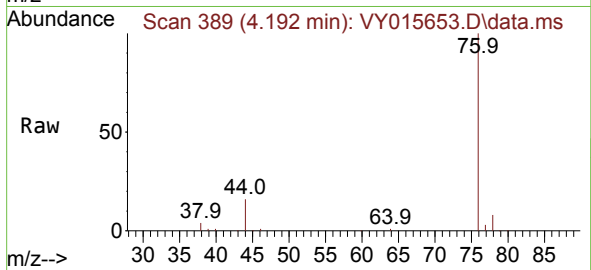
Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

Instrument :

MSVOA_Y

ClientSampleId :

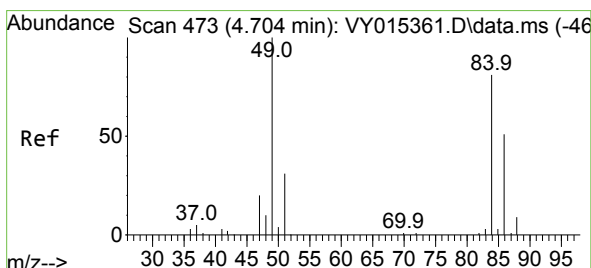
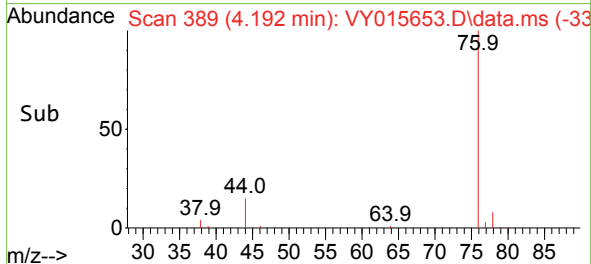
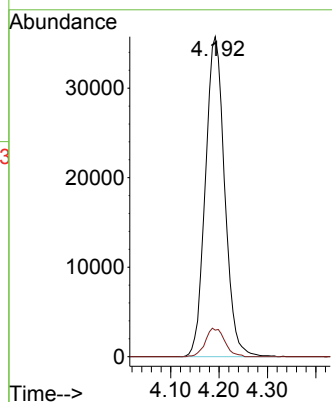


Tgt Ion: 76 Resp: 99065

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.4



#20

Methylene Chloride

Concen: 9.961 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

Tgt Ion: 84 Resp: 21924

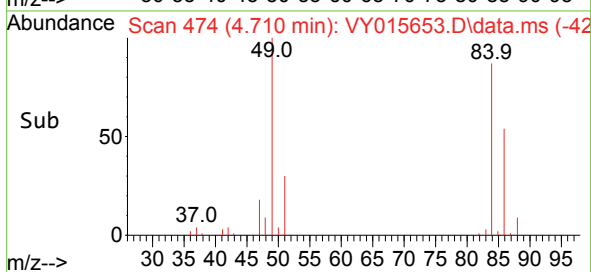
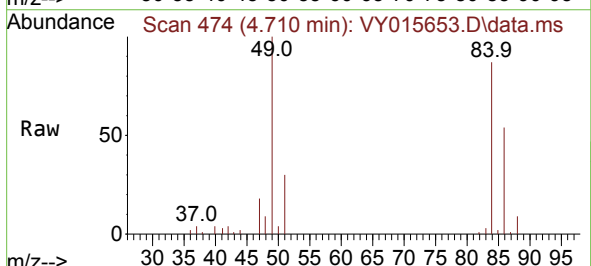
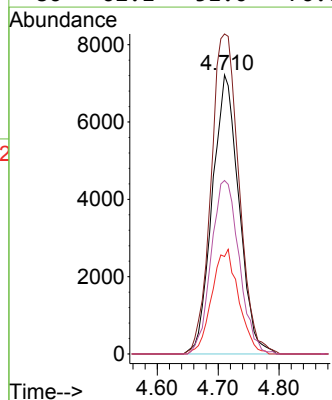
Ion Ratio Lower Upper

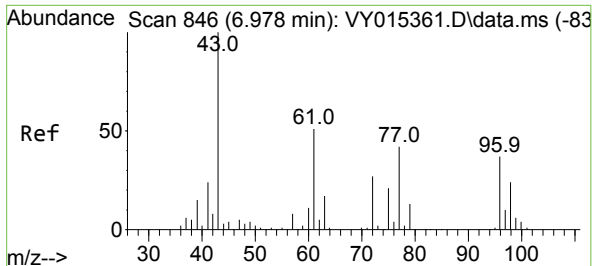
84 100

49 114.7 106.9 160.3

51 34.9 33.2 49.8

86 62.1 51.0 76.6





#25

2-Butanone

Concen: 4.256 ug/l

RT: 6.990 min Scan# 846

Delta R.T. 0.012 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

Instrument :

MSVOA_Y

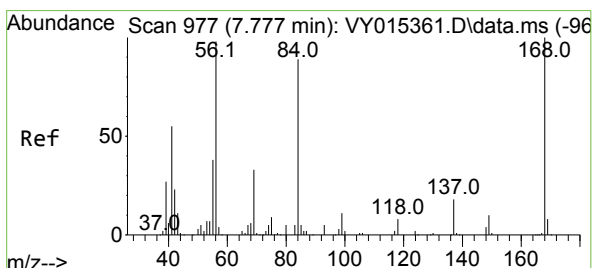
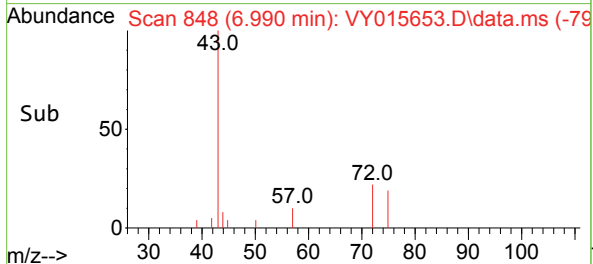
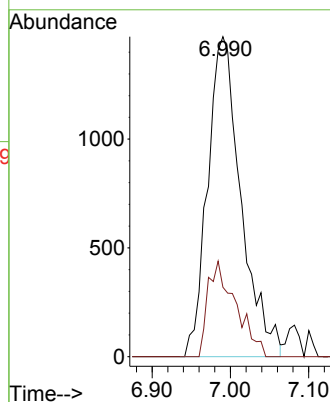
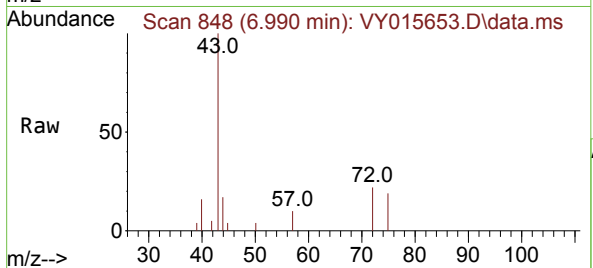
ClientSampleId :

Tgt Ion: 43 Resp: 4352

Ion Ratio Lower Upper

43 100

72 21.7 20.5 30.7



#31

Cyclohexane

Concen: 1.370 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

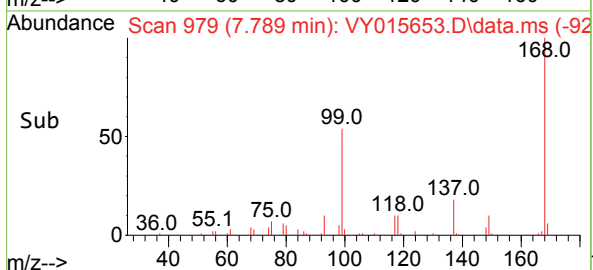
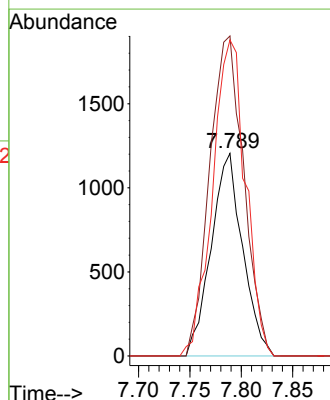
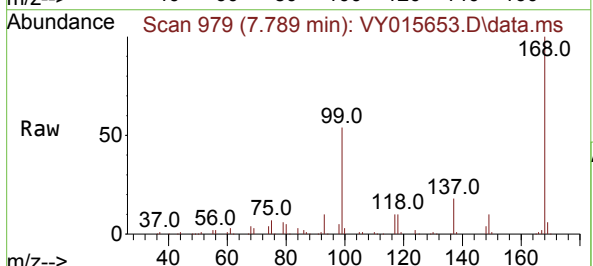
Tgt Ion: 56 Resp: 2566

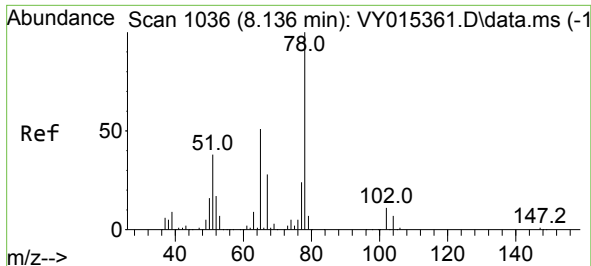
Ion Ratio Lower Upper

56 100

69 157.9 27.8 41.6#

84 155.9 66.4 99.6#

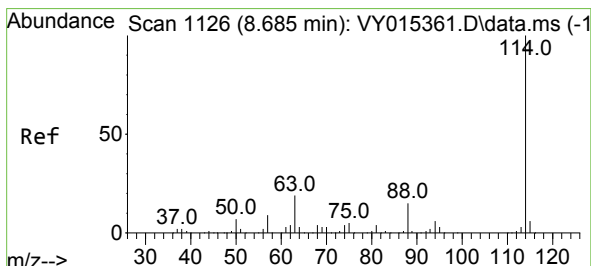
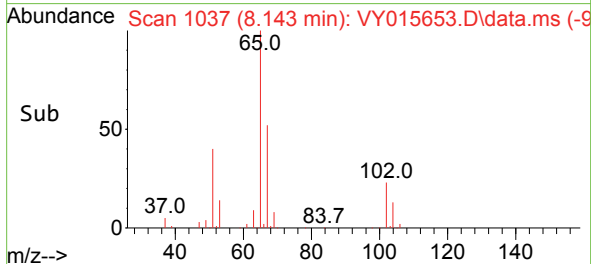
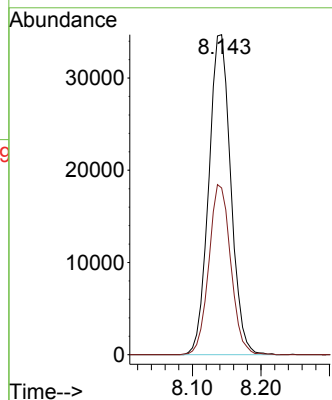
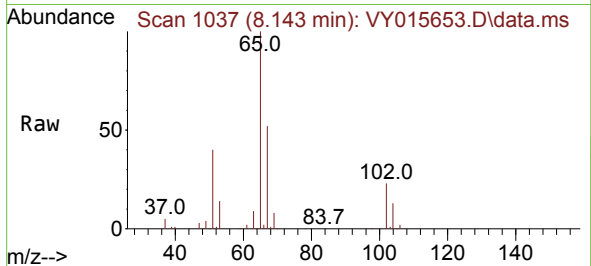




#33
 1,2-Dichloroethane-d4
 Concen: 57.287 ug/l
 RT: 8.143 min Scan# 110
 Delta R.T. 0.007 min
 Lab File: VY015653.D
 Acq: 20 Sep 2023 12:58

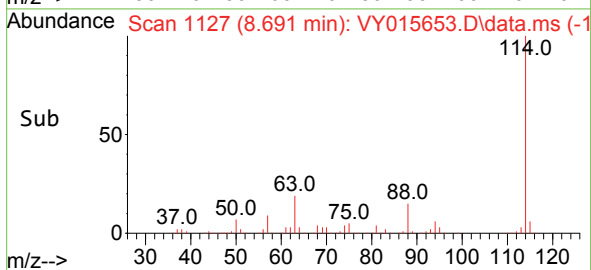
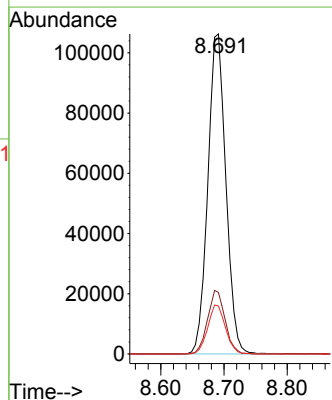
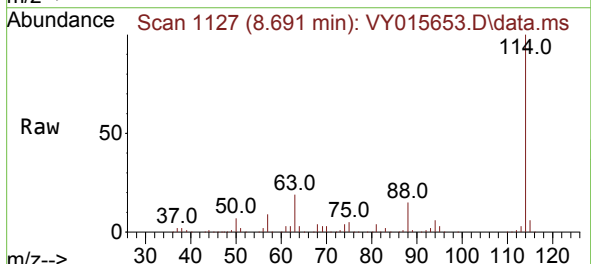
Instrument :
 MSVOA_Y
 ClientSampleId :

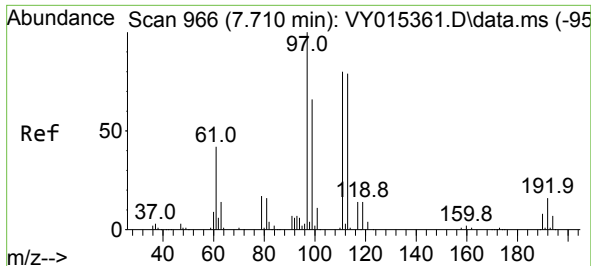
Tgt Ion: 65 Resp: 77447
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY015653.D
 Acq: 20 Sep 2023 12:58

Tgt Ion:114 Resp: 210898
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.4
 88 15.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.816 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.000 min

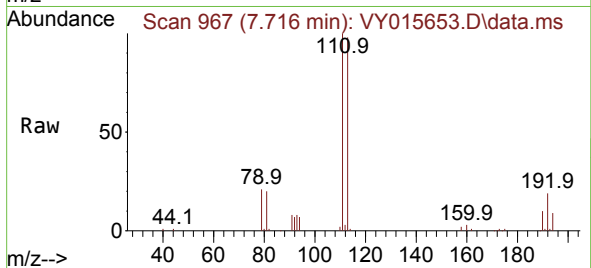
Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

Instrument :

MSVOA_Y

ClientSampleId :



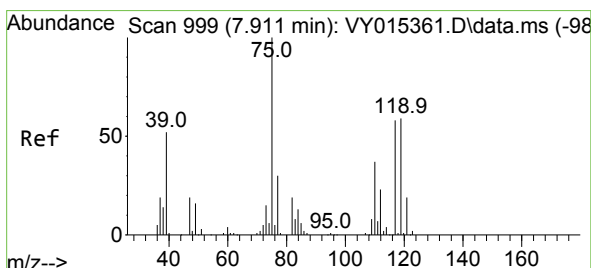
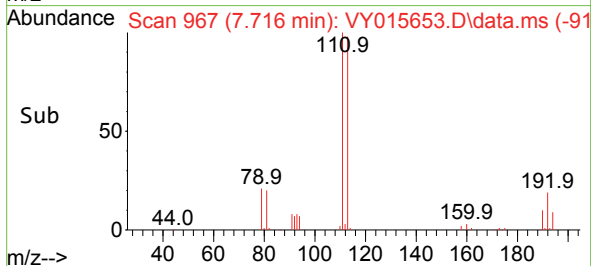
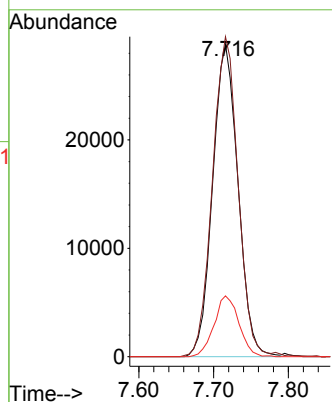
Tgt Ion:113 Resp: 67932

Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 19.1 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.047 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

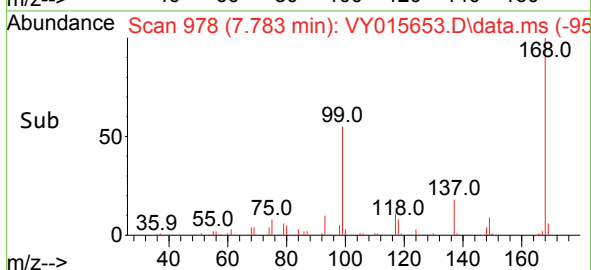
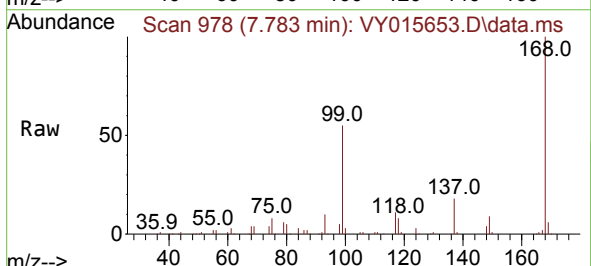
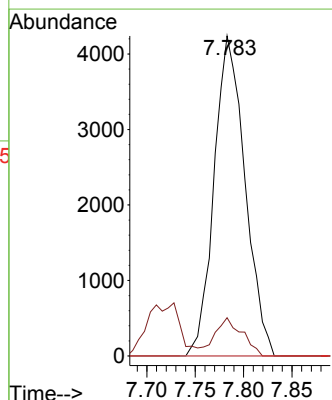
Tgt Ion: 75 Resp: 9420

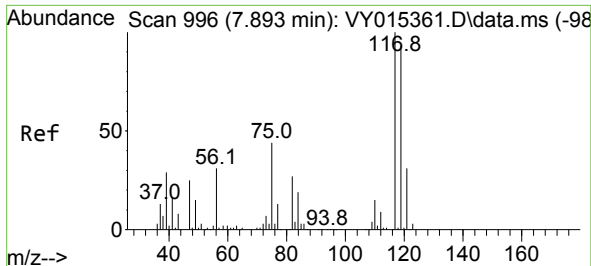
Ion Ratio Lower Upper

75 100

110 10.7 17.8 53.5#

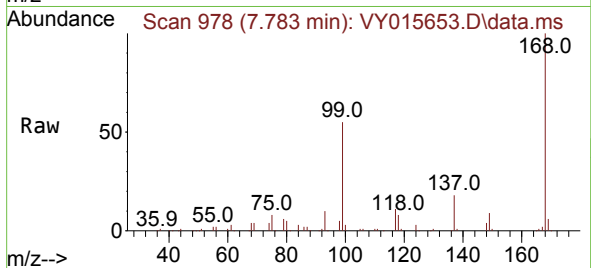
77 0.0 24.4 36.6#



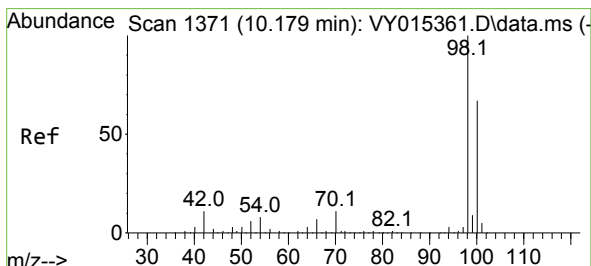
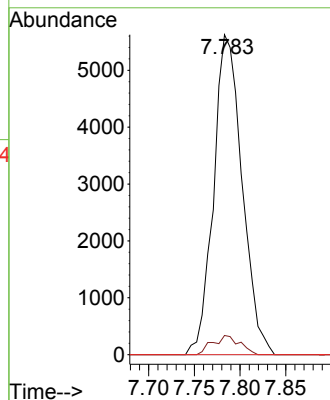
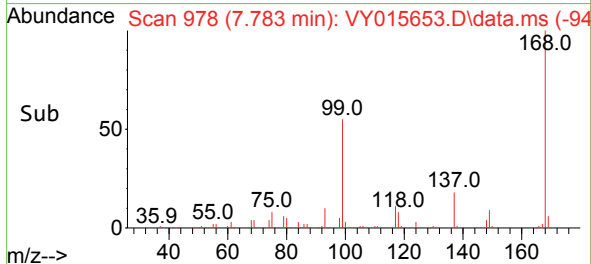


#38
Carbon Tetrachloride
Concen: 6.026 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

Instrument :
MSVOA_Y
ClientSampleId :

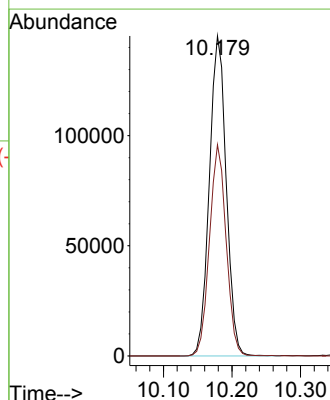
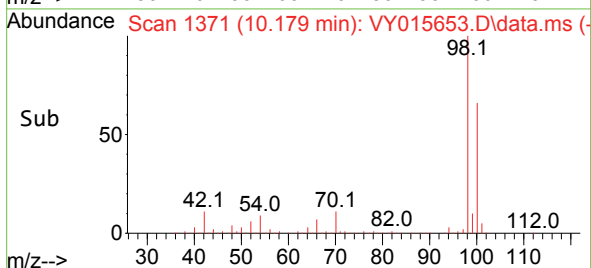
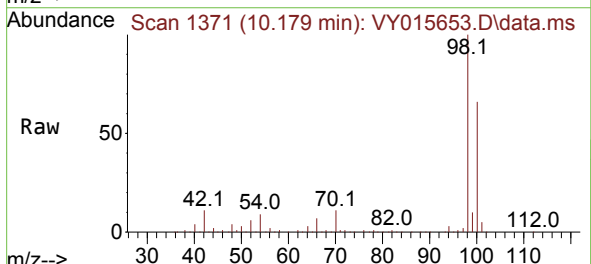


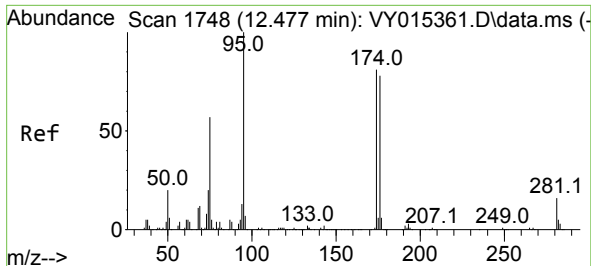
Tgt Ion:117 Resp: 12208
Ion Ratio Lower Upper
117 100
119 6.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.077 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

Tgt Ion: 98 Resp: 248571
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

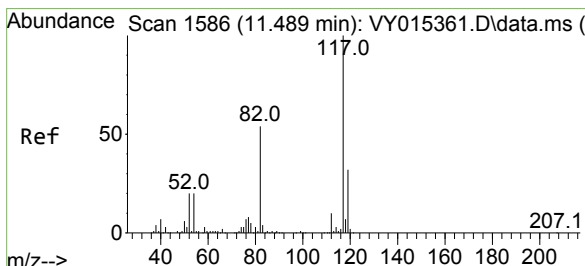
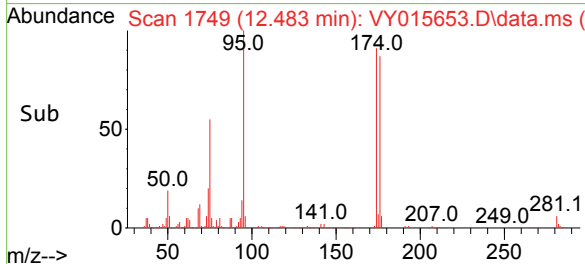
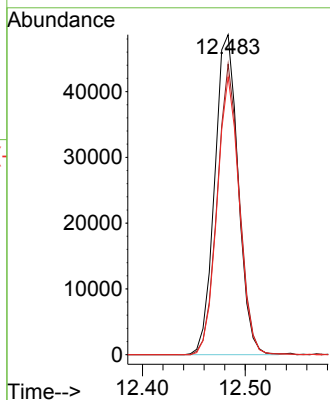
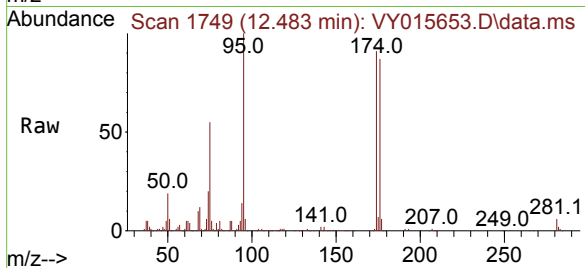




#62
4-Bromofluorobenzene
Concen: 45.793 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

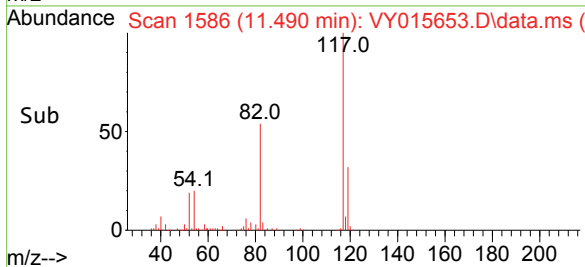
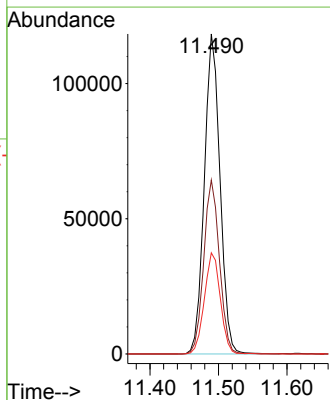
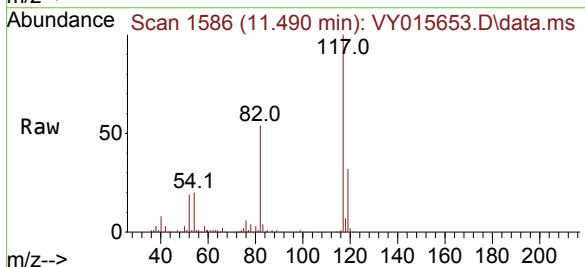
Instrument :
MSVOA_Y
ClientSampleId :

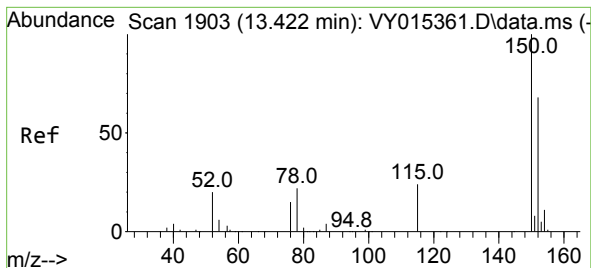
Tgt Ion: 95 Resp: 76915
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 82.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

Tgt Ion: 117 Resp: 188593
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 31.6 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY015653.D

Acq: 20 Sep 2023 12:58

Instrument :

MSVOA_Y

ClientSampleId :

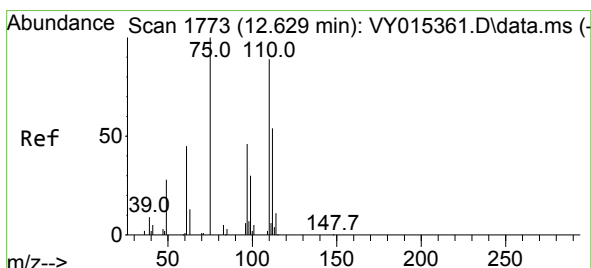
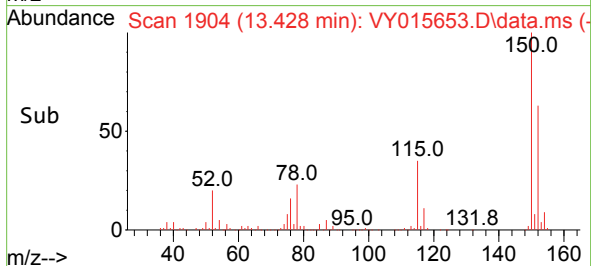
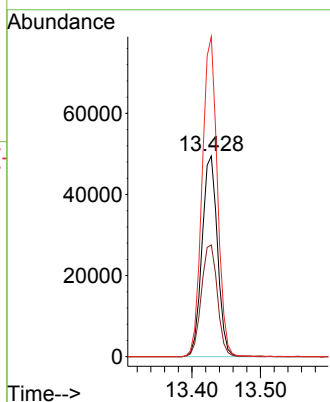
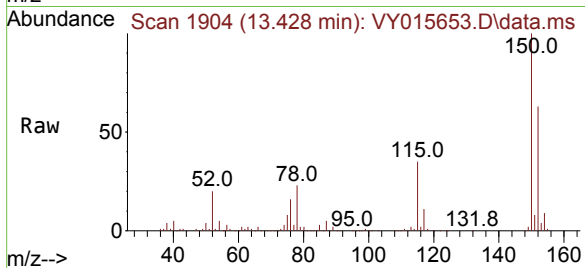
Tgt Ion:152 Resp: 77934

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 156.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 33.522 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015653.D

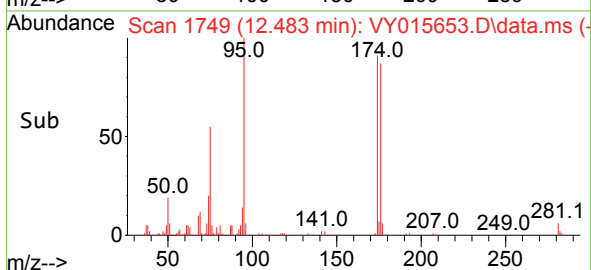
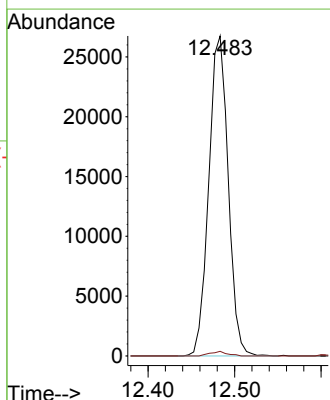
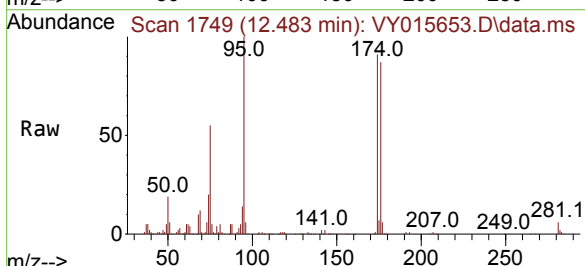
Acq: 20 Sep 2023 12:58

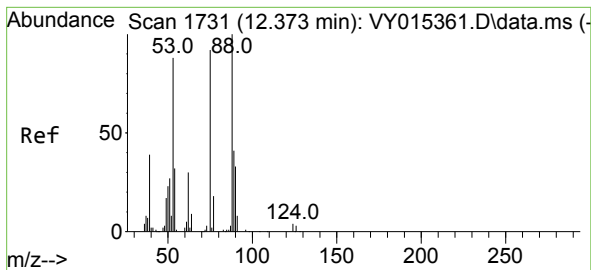
Tgt Ion: 75 Resp: 41678

Ion Ratio Lower Upper

75 100

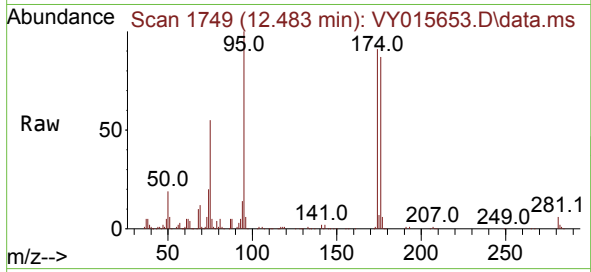
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 75.488 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY015653.D
Acq: 20 Sep 2023 12:58

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.0	37.4	56.0#

