

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092123\
 Data File : VY015675.D
 Acq On : 21 Sep 2023 17:10
 Operator : SY/MD
 Sample : 04567-07
 Misc : 4.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 01:21:50 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)

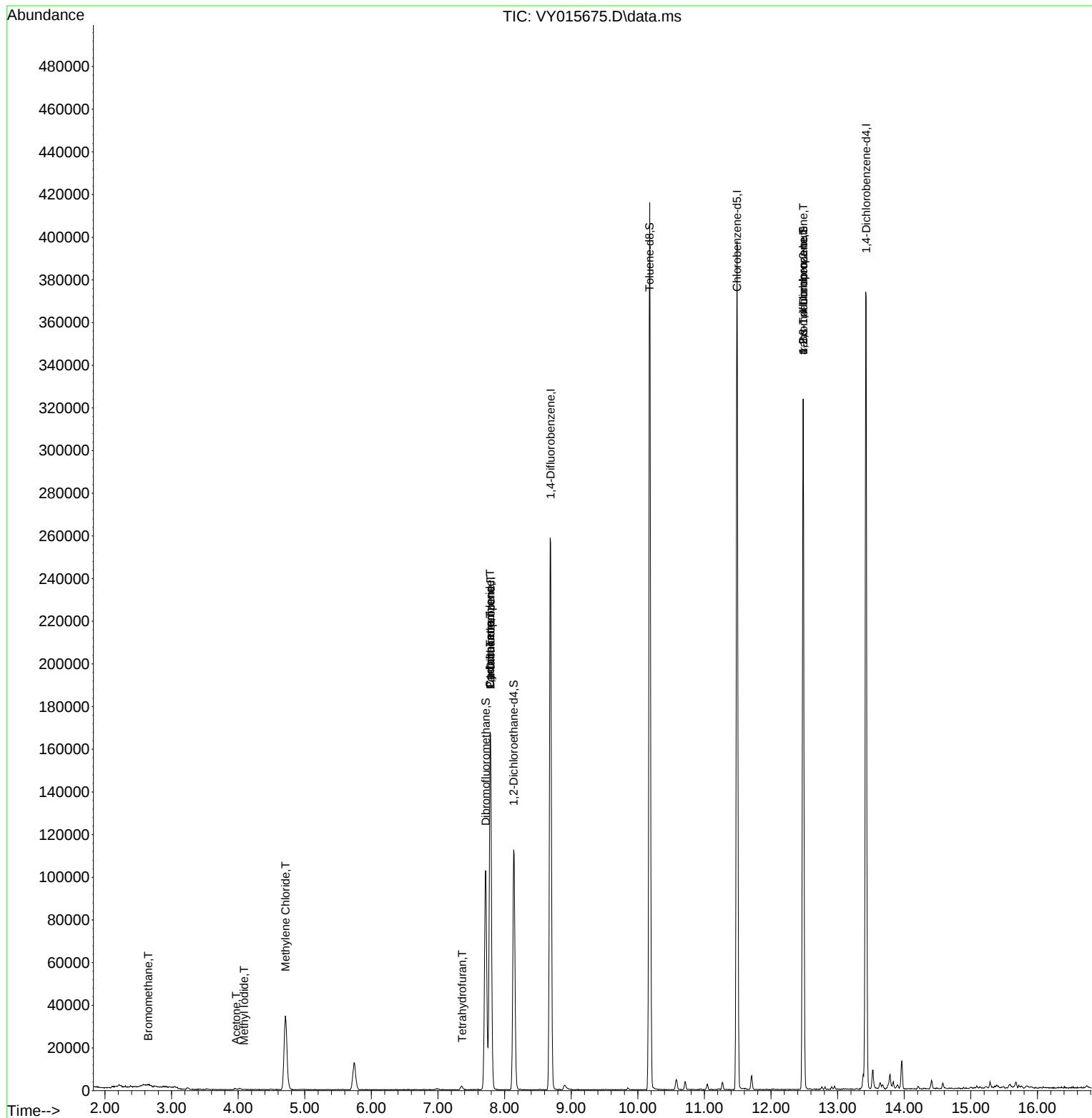
Internal Standards						
1) Pentafluorobenzene	7.789	168	133023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	226889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	208721	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89186	60.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.880%	
35) Dibromofluoromethane	7.716	113	72678	53.518	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.040%	
50) Toluene-d8	10.179	98	268065	58.218	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.440%	
62) 4-Bromofluorobenzene	12.483	95	91048	50.387	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	222	2.725	ug/l	88
10) Methyl Iodide	4.088	142	79	2.777	ug/l #	74
11) Tert butyl alcohol	4.936	59	23	Below Cal	#	89
16) Acetone	3.973	43	854	1.090	ug/l	92
20) Methylene Chloride	4.710	84	26377	11.666	ug/l	92
29) Tetrahydrofuran	7.362	42	1355	2.165	ug/l	96
31) Cyclohexane	7.783	56	3119	1.538	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10465	5.212	ug/l #	49
38) Carbon Tetrachloride	7.783	117	13531	6.208	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	48565	31.749	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	48565	71.495	ug/l #	10

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

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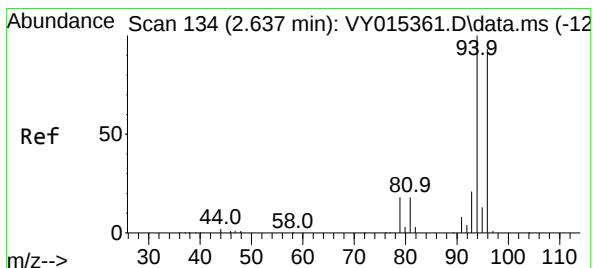
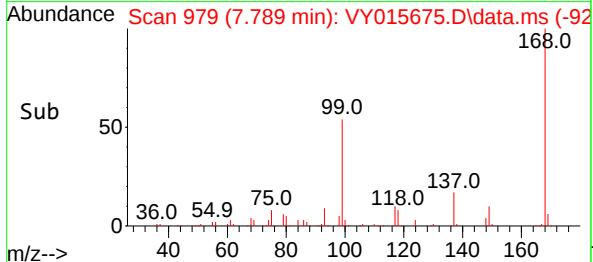
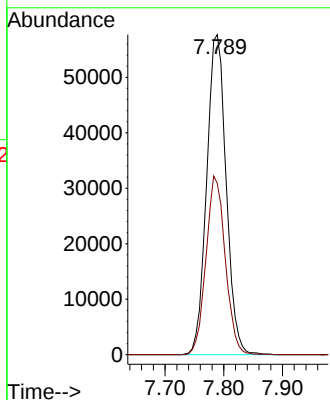
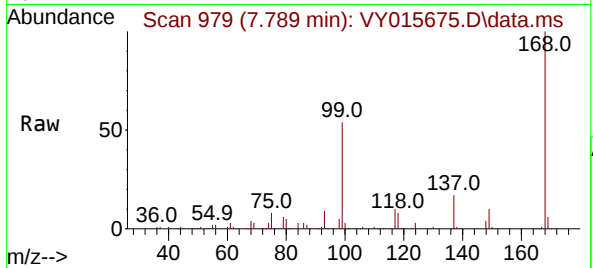




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

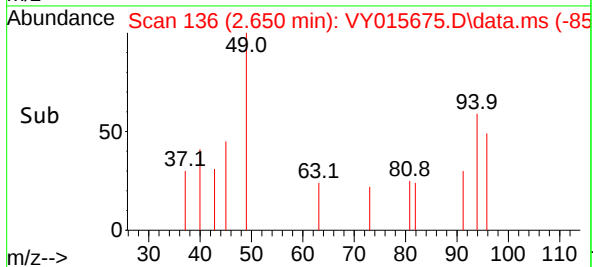
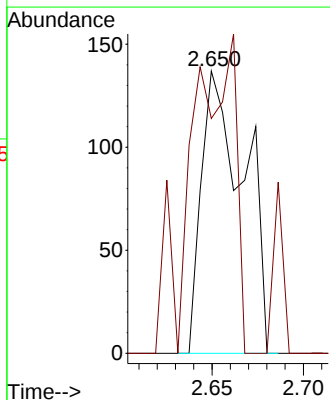
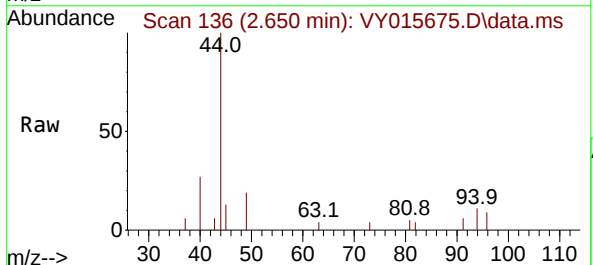
Instrument :
MSVOA_Y
ClientSampleId :

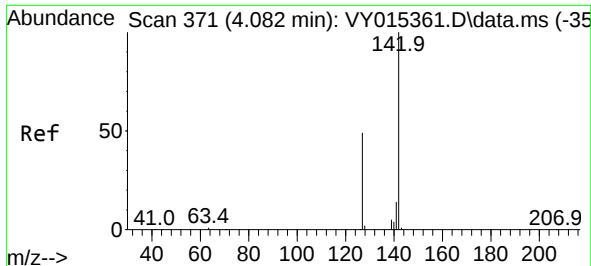
Tgt Ion:168 Resp: 133023
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#5
Bromomethane
Concen: 2.725 ug/l
RT: 2.650 min Scan# 136
Delta R.T. 0.013 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

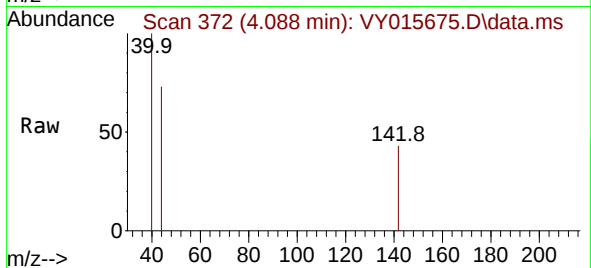
Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 83.2 75.8 113.6



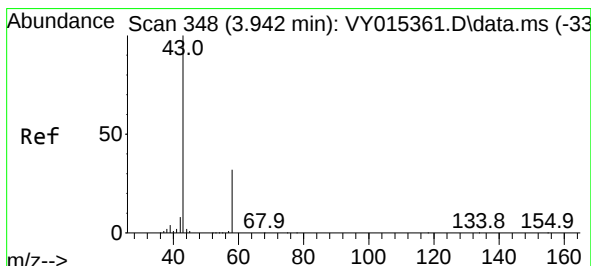
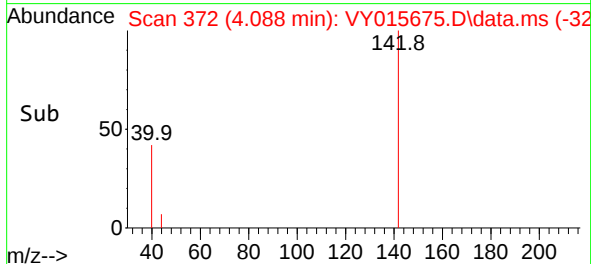
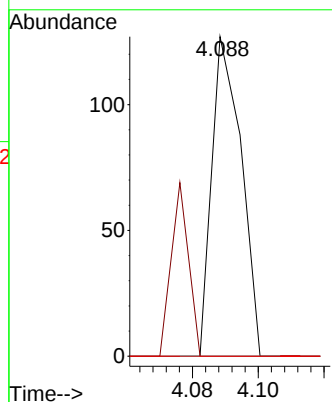


#10
Methyl Iodide
Concen: 2.777 ug/l
RT: 4.088 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

Instrument :
MSVOA_Y
ClientSampleId :

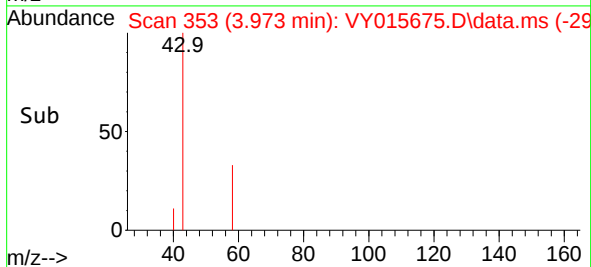
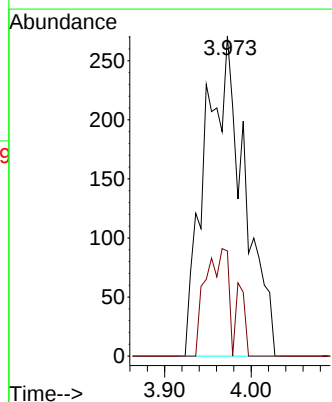
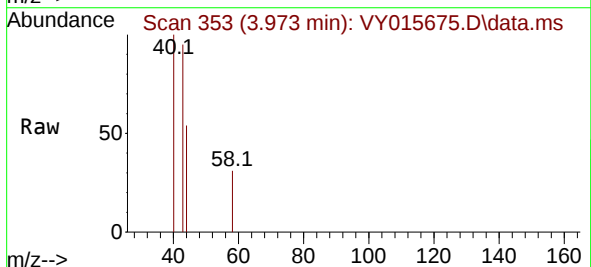


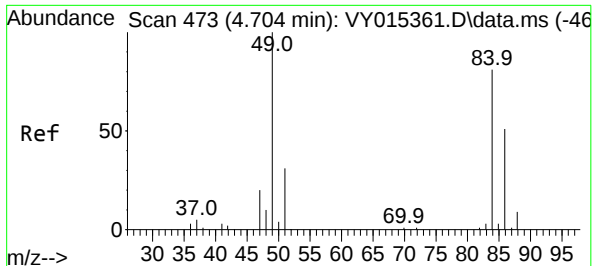
Tgt Ion:142 Resp: 79
Ion Ratio Lower Upper
142 100
127 31.6 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.090 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.031 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

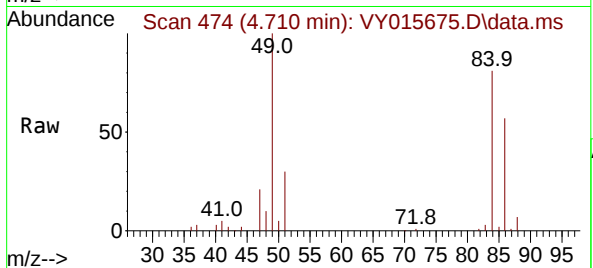
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1



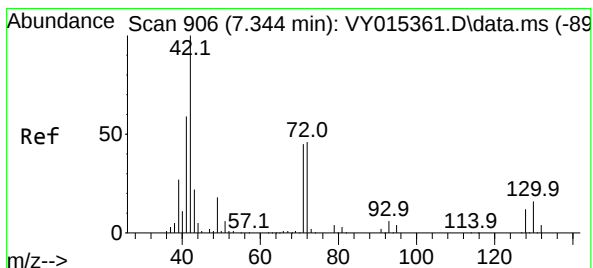
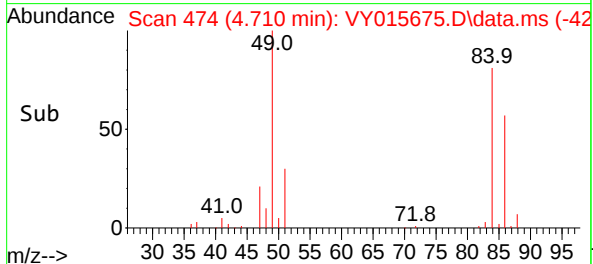
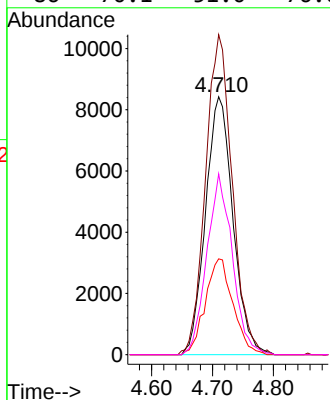


#20
Methylene Chloride
Concen: 11.666 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

Instrument :
MSVOA_Y
ClientSampleId :

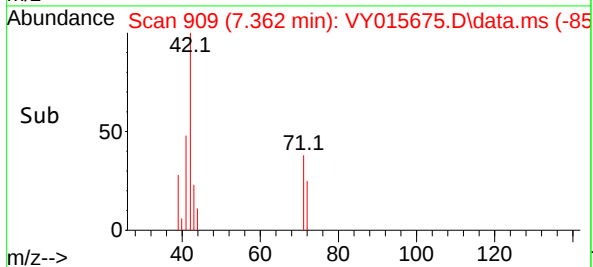
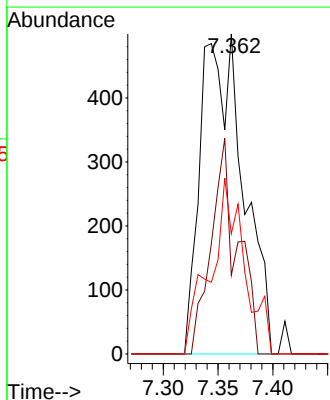
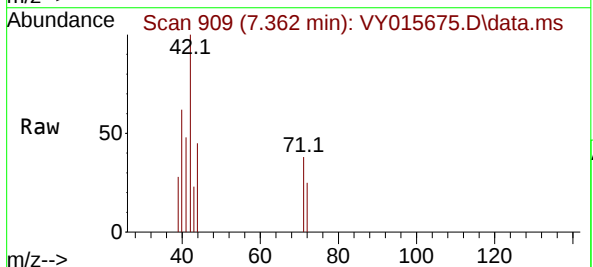


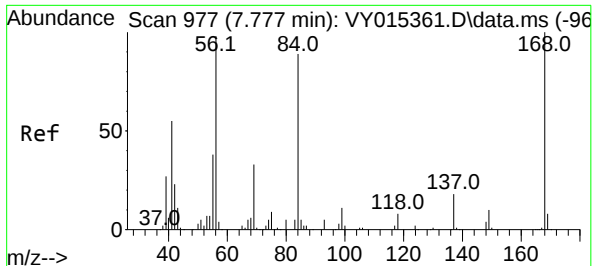
Tgt Ion:	84	Resp:	26377
Ion	Ratio	Lower	Upper
84	100		
49	124.1	106.9	160.3
51	37.1	33.2	49.8
86	70.1	51.0	76.6



#29
Tetrahydrofuran
Concen: 2.165 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.018 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

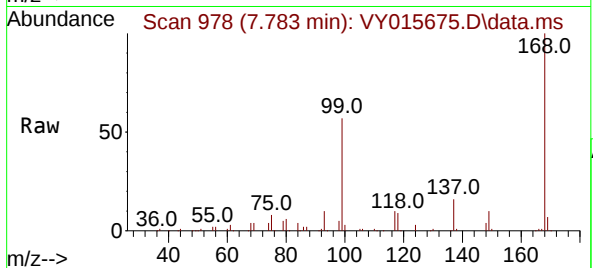
Tgt Ion:	42	Resp:	1355
Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.8	49.2
71	43.6	31.0	46.4



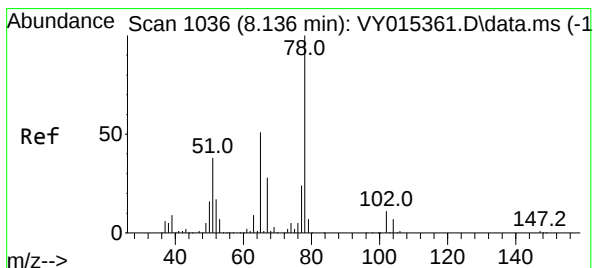
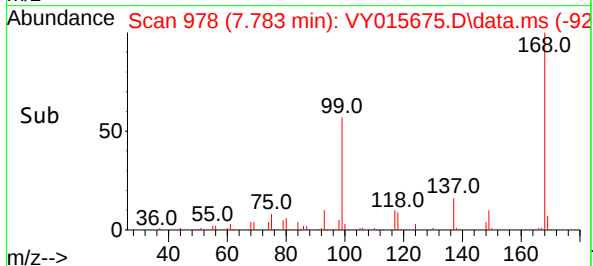
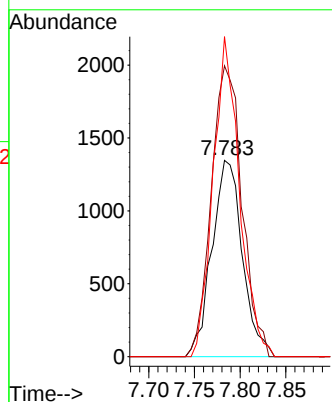


#31
Cyclohexane
Concen: 1.538 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

Instrument :
MSVOA_Y
ClientSampleId :

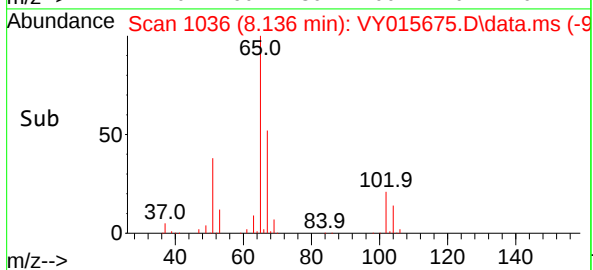
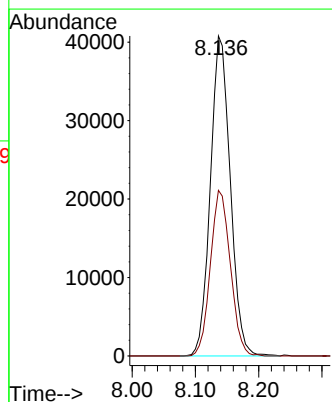
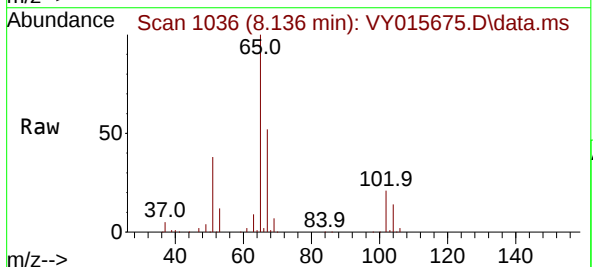


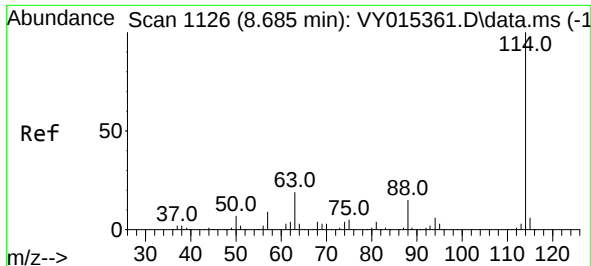
Tgt Ion: 56 Resp: 3119
Ion Ratio Lower Upper
56 100
69 148.1 27.8 41.6#
84 163.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 60.935 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

Tgt Ion: 65 Resp: 89186
Ion Ratio Lower Upper
65 100
67 51.9 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: VY015675.D

Acq: 21 Sep 2023 17:10

Instrument :

MSVOA_Y

ClientSampleId :

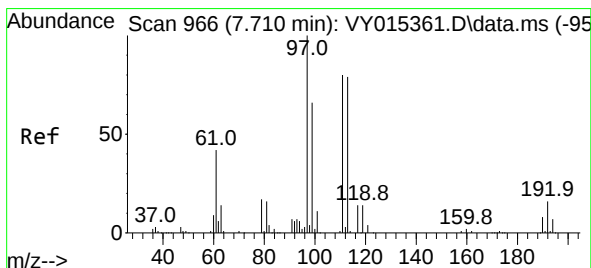
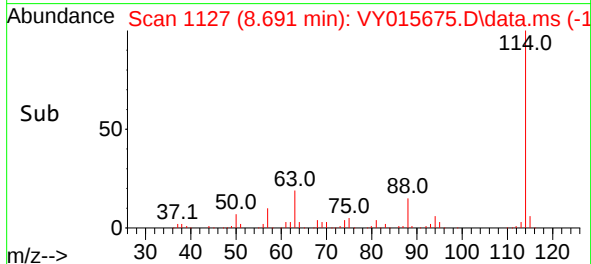
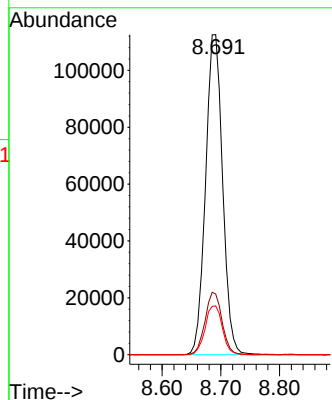
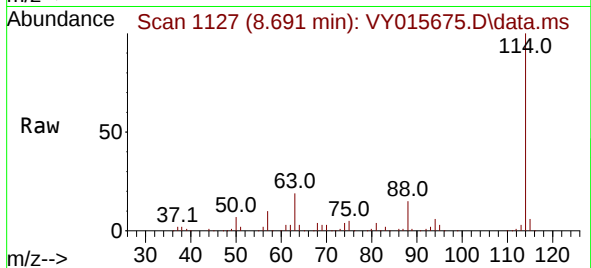
Tgt Ion:114 Resp: 226889

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.518 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015675.D

Acq: 21 Sep 2023 17:10

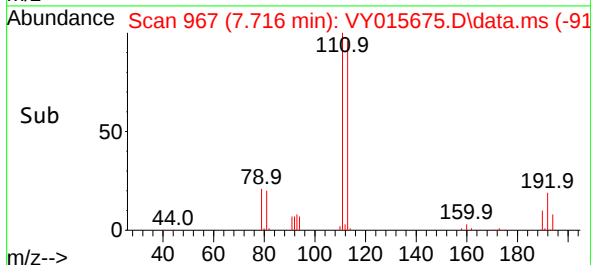
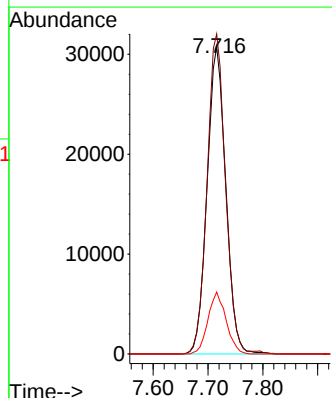
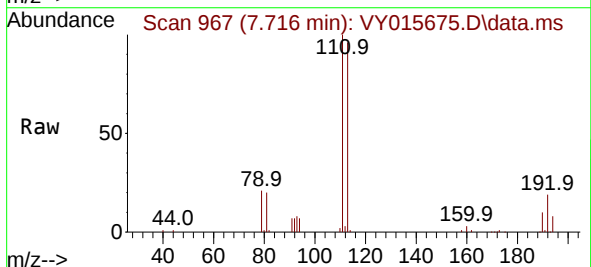
Tgt Ion:113 Resp: 72678

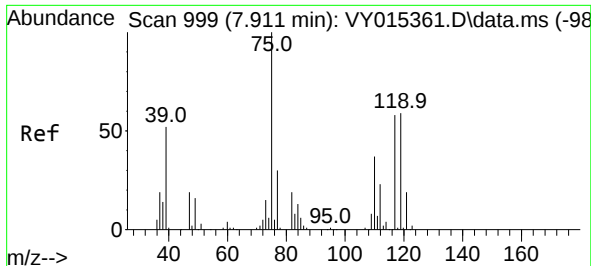
Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.212 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY015675.D

Acq: 21 Sep 2023 17:10

Instrument :

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ClientSampleId :

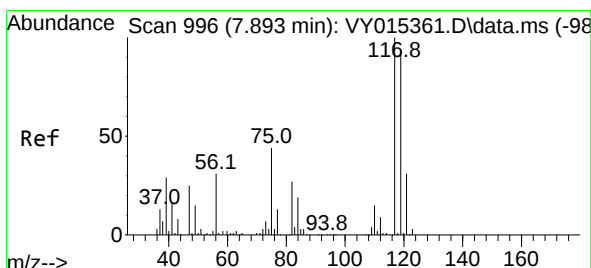
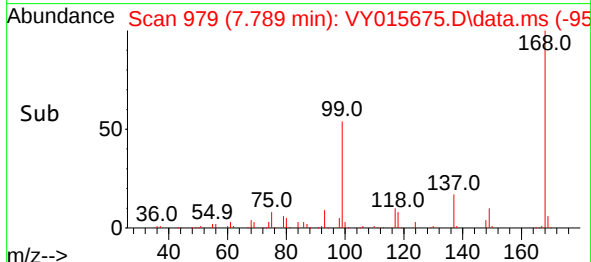
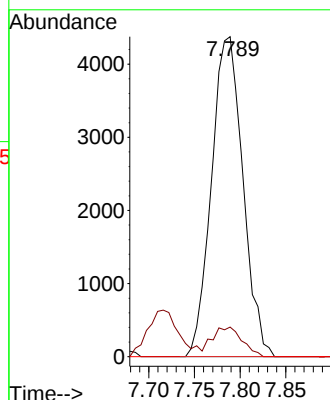
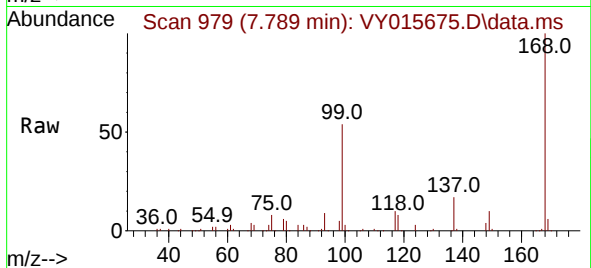
Tgt Ion: 75 Resp: 10465

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.208 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY015675.D

Acq: 21 Sep 2023 17:10

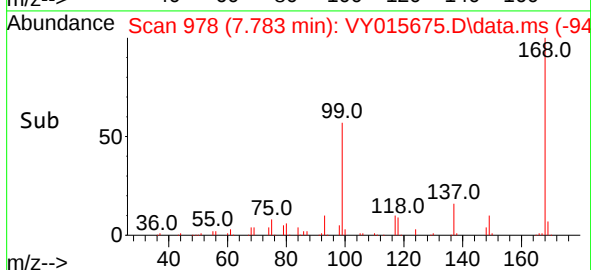
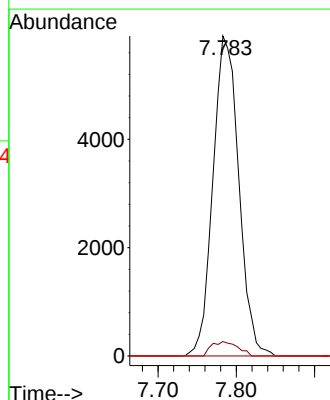
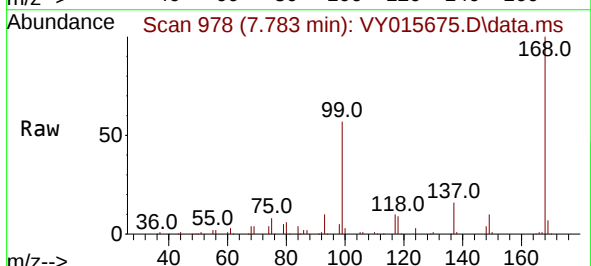
Tgt Ion: 117 Resp: 13531

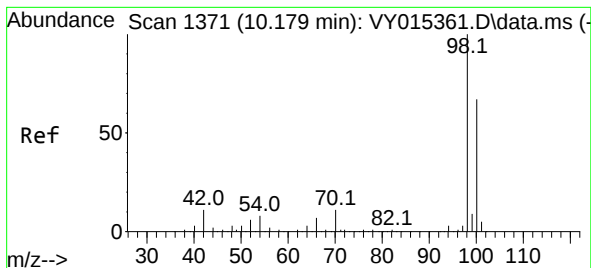
Ion Ratio Lower Upper

117 100

119 4.5 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 58.218 ug/l

RT: 10.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015675.D

Acq: 21 Sep 2023 17:10

Instrument :

MSVOA_Y

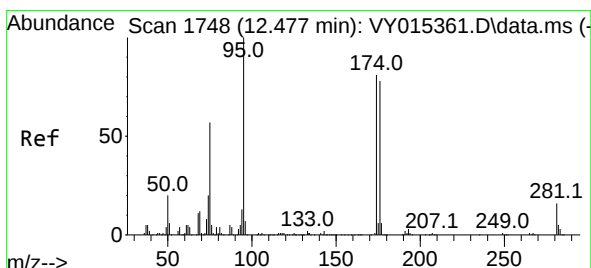
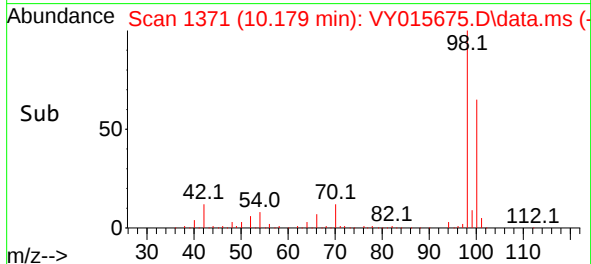
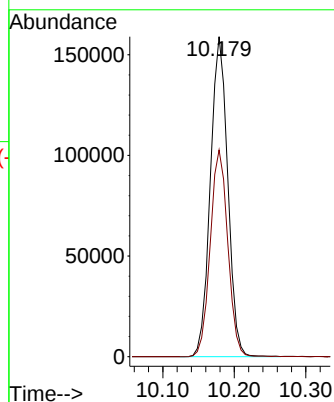
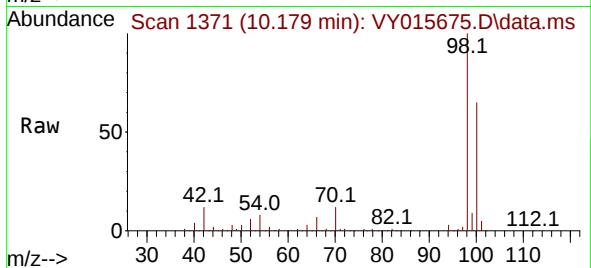
ClientSampleId :

Tgt Ion: 98 Resp: 268065

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.387 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015675.D

Acq: 21 Sep 2023 17:10

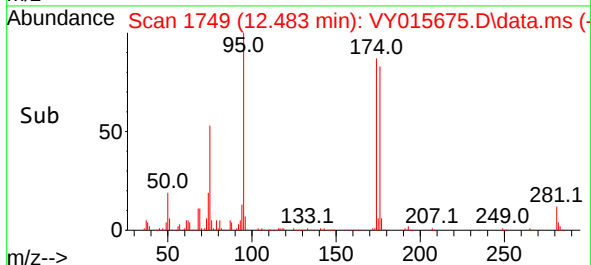
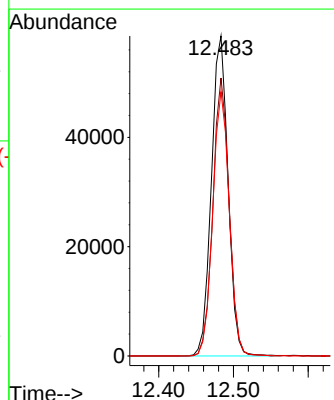
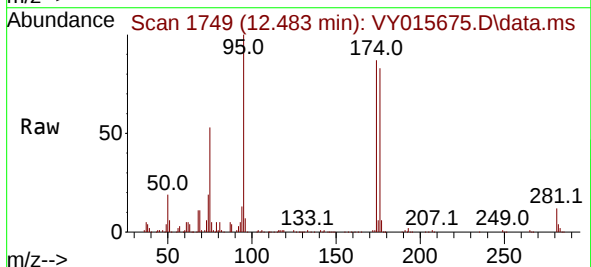
Tgt Ion: 95 Resp: 91048

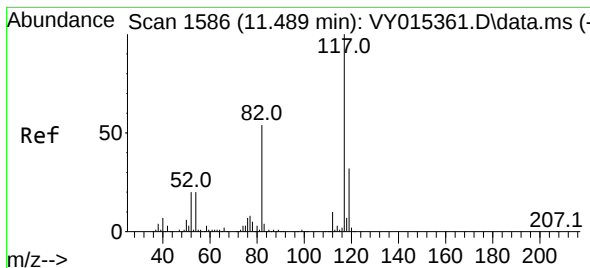
Ion Ratio Lower Upper

95 100

174 84.5 0.0 178.2

176 81.9 0.0 173.8

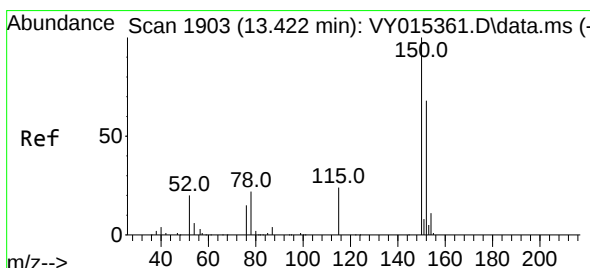
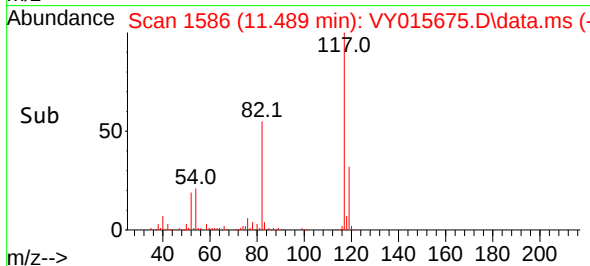
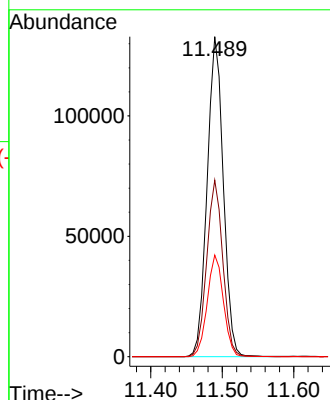
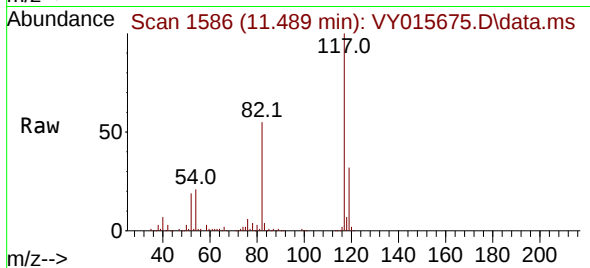




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

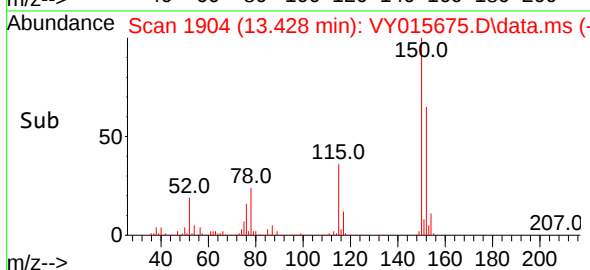
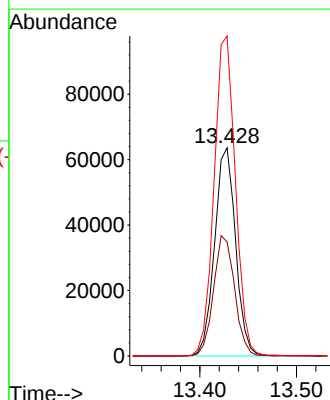
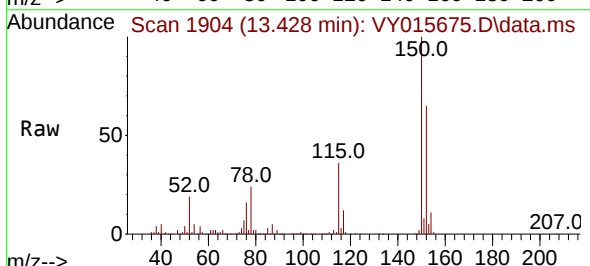
Instrument :
MSVOA_Y
ClientSampleId :

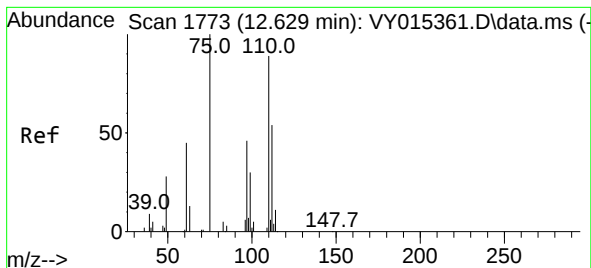
Tgt Ion:117 Resp: 208721
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.0
119 31.8 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

Tgt Ion:152 Resp: 95884
Ion Ratio Lower Upper
152 100
115 58.1 28.8 86.5
150 156.1 0.0 348.8

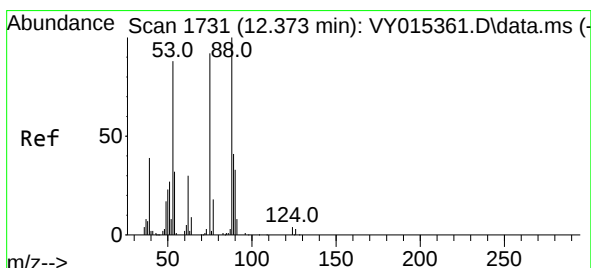
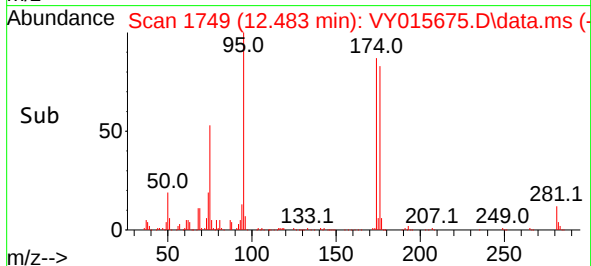
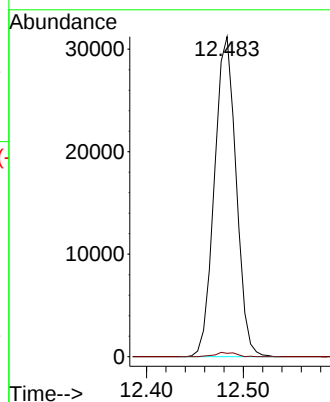
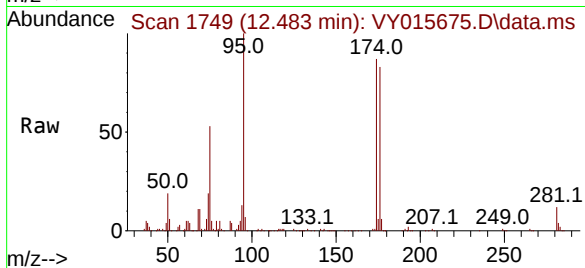




#76
1,2,3-Trichloropropane
Concen: 31.749 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 48565
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.495 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY015675.D
Acq: 21 Sep 2023 17:10

Tgt Ion: 75 Resp: 48565
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

