

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112019\
 Data File : VY000752.D
 Acq On : 20 Nov 2019 15:15
 Operator : SY/MD
 Sample : K5951-03
 Misc : 9.47G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 21 07:42:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	203281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	340885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	293139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	130130	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	109072	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
35) Dibromofluoromethane	7.72	113	99056	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	10.18	98	399632	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.48	95	127673	44.16	ug/l	0.00
Spiked Amount			Recovery	=	88.32%	

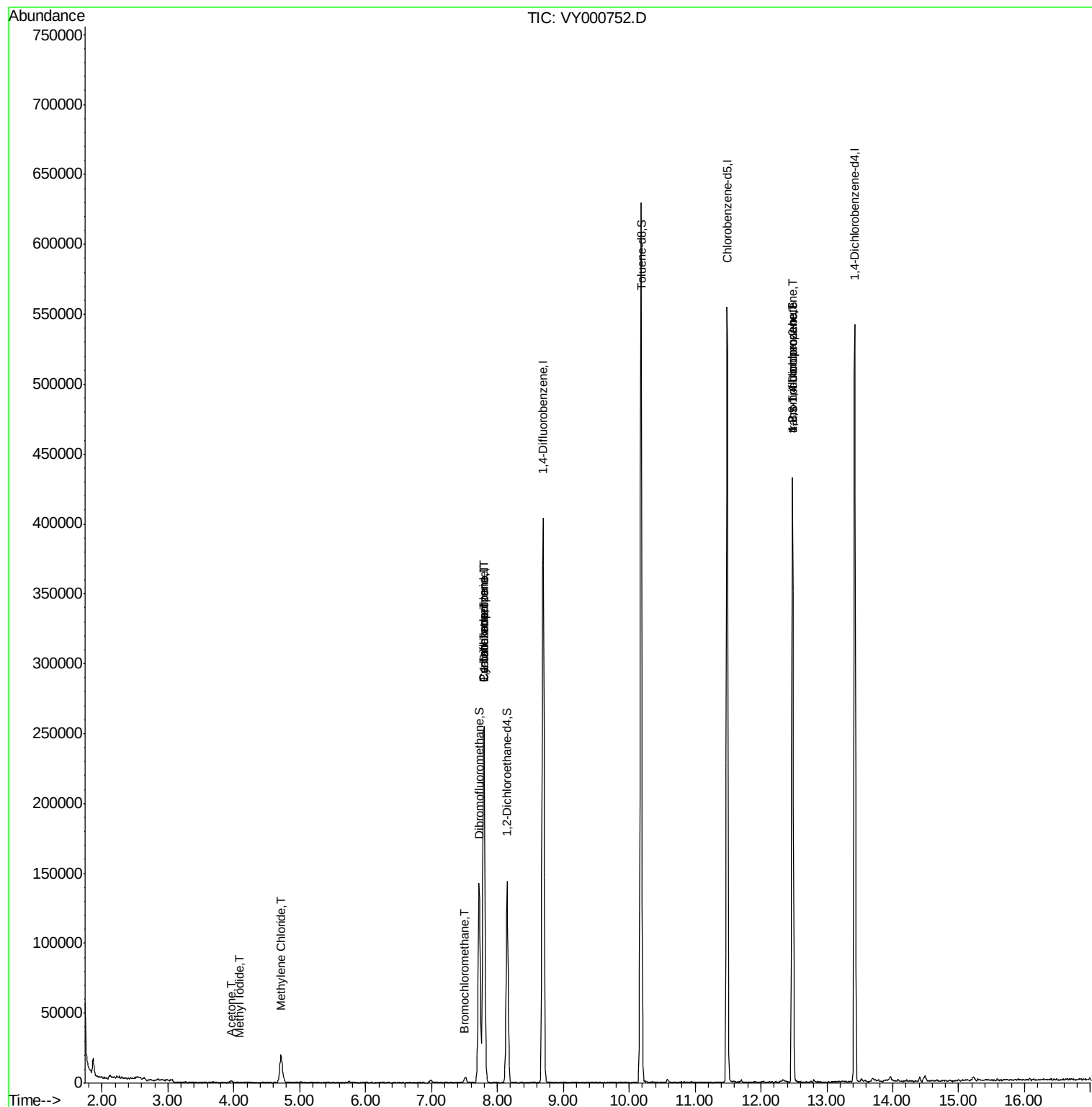
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.09	142	25	3.208	ug/l #	1
16) Acetone	3.96	43	2287	3.944	ug/l #	64
20) Methylene Chloride	4.71	84	13629	5.486	ug/l #	85
28) Bromochloromethane	7.50	49	250	4.222	ug/l #	14
31) Cyclohexane	7.80	56	4595	1.128	ug/l #	31
36) 1,1-Dichloropropene	7.80	75	16072	4.987	ug/l #	46
38) Carbon Tetrachloride	7.80	117	19449	6.272	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	68389	46.156	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	68389	103.487	ug/l #	13

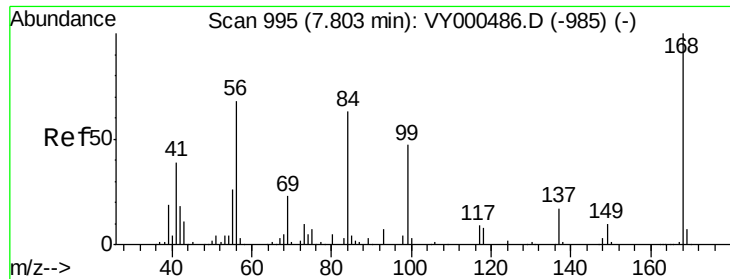
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000752.D

Acq: 20 Nov 2019 15:15

Instrument :

MSVOA_Y

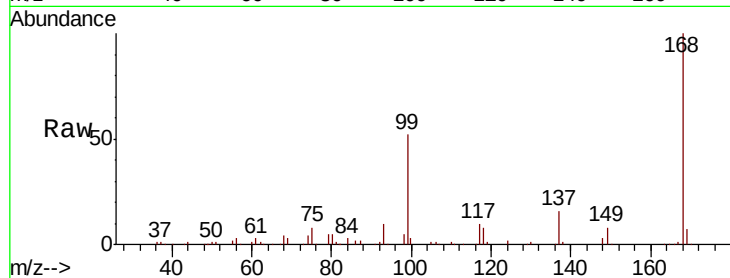
ClientSampleId :

Tot Ion:168 Resp: 203281

Ion Ratio Lower Upper

168 100

99 52.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

100000

80000

60000

40000

20000

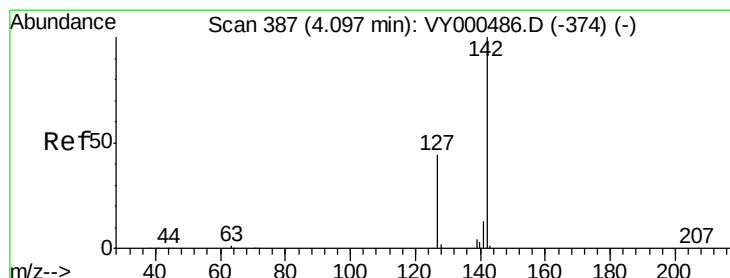
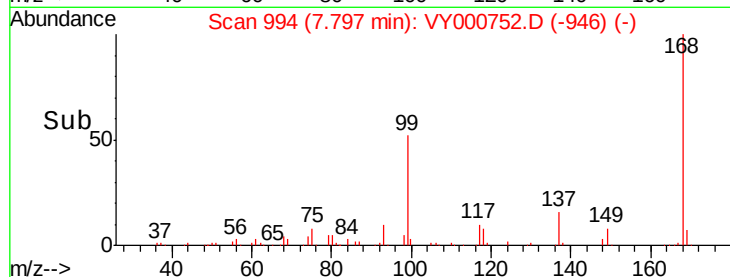
0

Time-->

7.70

7.80

7.90



#10

Methyl Iodide

Concen: 3.208 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000752.D

Acq: 20 Nov 2019 15:15

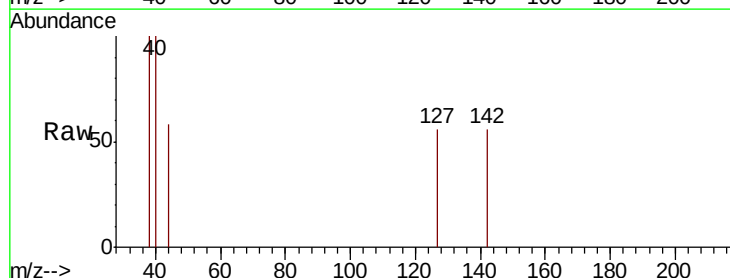
Tgt Ion:142 Resp: 25

Ion Ratio Lower Upper

142 100

127 184.0 33.7 50.5#

141 0.0 10.9 16.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.09

80

60

40

20

0

Time-->

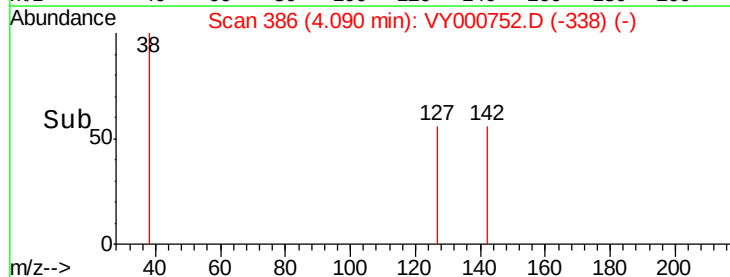
4.07

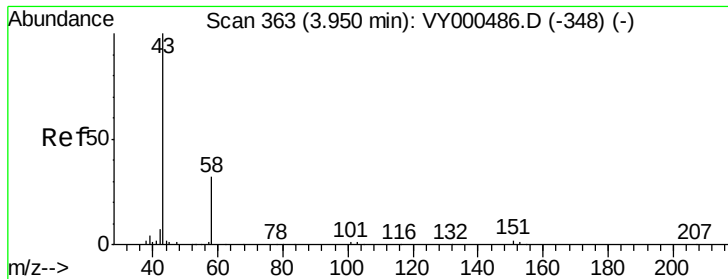
4.08

4.09

4.10

4.11





#16

Acetone

Concen: 3.944 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000752.D

Acq: 20 Nov 2019 15:15

Instrument :

MSVOA_Y

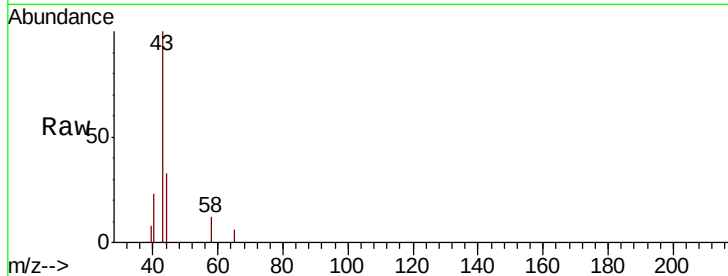
ClientSampleId :

Tot Ion: 43 Resp: 2287

Ion Ratio Lower Upper

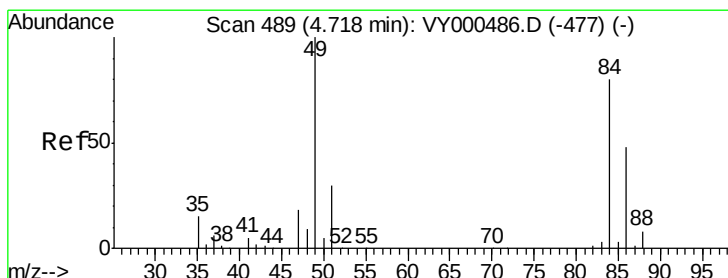
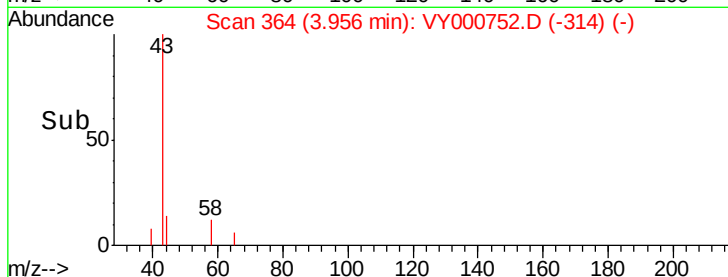
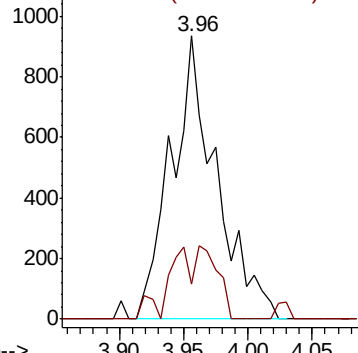
43 100

58 12.3 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 5.486 ug/l

RT: 4.71 min Scan# 488

Delta R.T. -0.01 min

Lab File: VY000752.D

Acq: 20 Nov 2019 15:15

Tgt Ion: 84 Resp: 13629

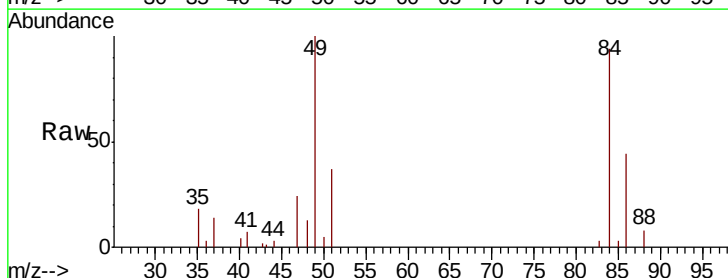
Ion Ratio Lower Upper

84 100

49 106.0 100.2 150.4

51 39.4 29.6 44.4

86 47.0 48.3 72.5#

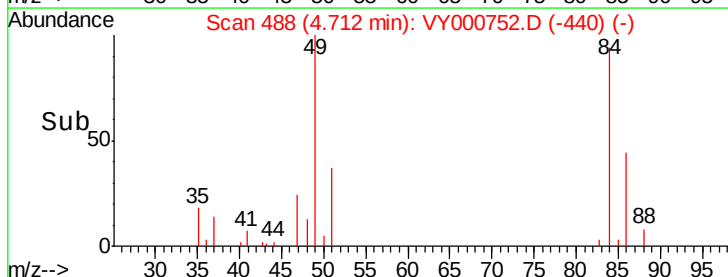
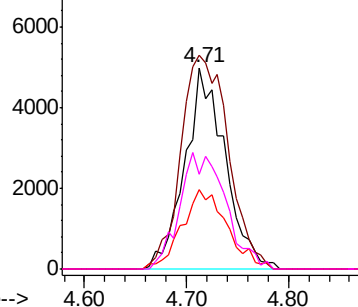


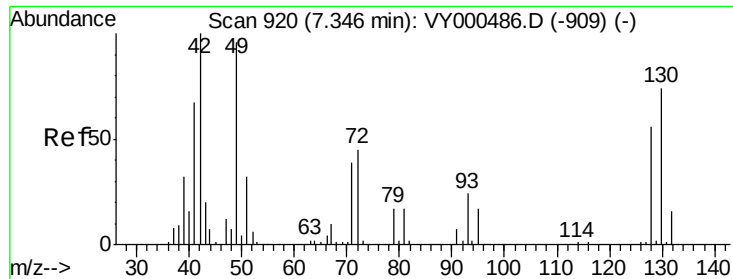
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#28

Bromochloromethane

Concen: 4.222 ug/l

RT: 7.50 min Scan# 945

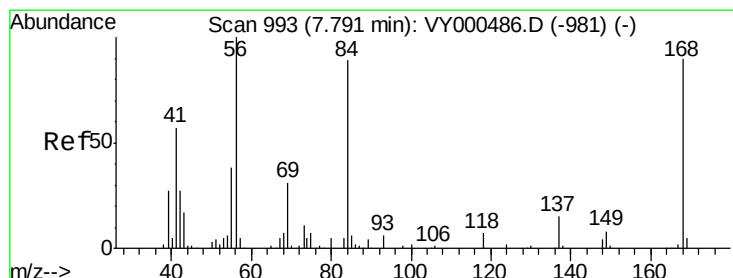
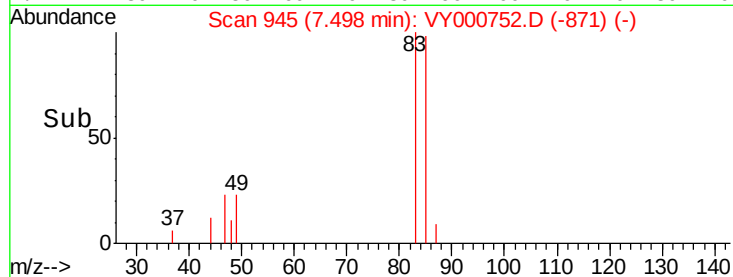
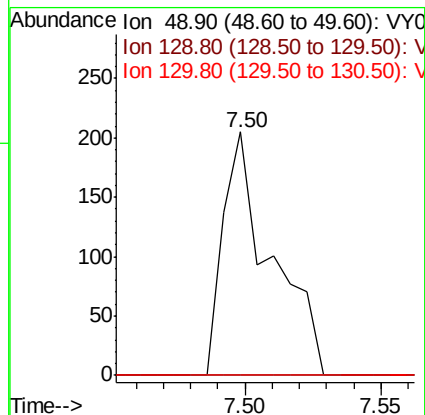
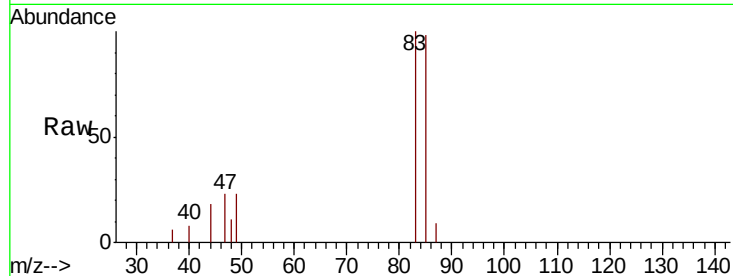
Delta R.T. 0.15 min

Lab File: VY000752.D

Acq: 20 Nov 2019 15:15

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 49 Resp: 250
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#31

Cyclohexane

Concen: 1.128 ug/l

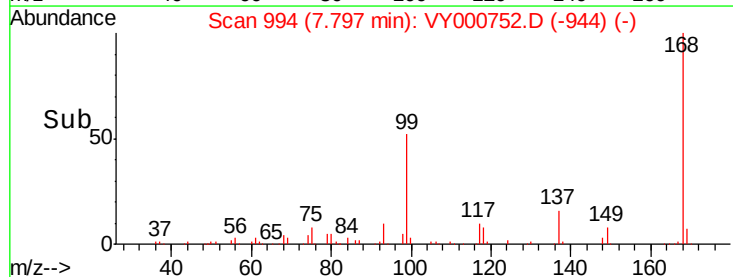
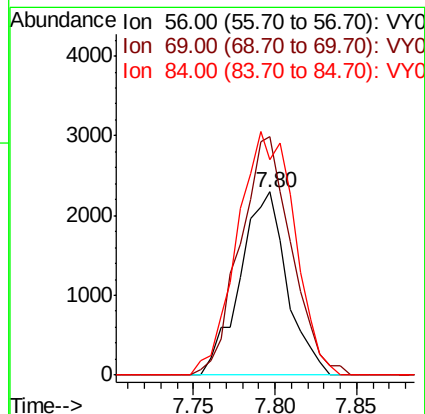
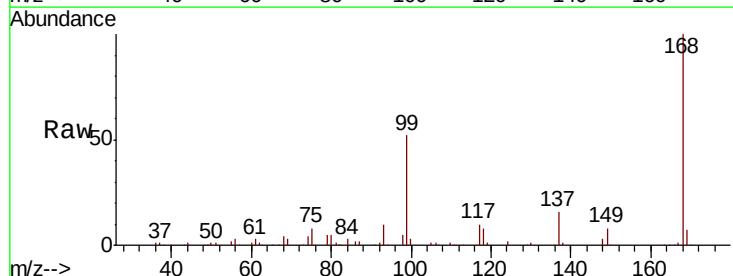
RT: 7.80 min Scan# 994

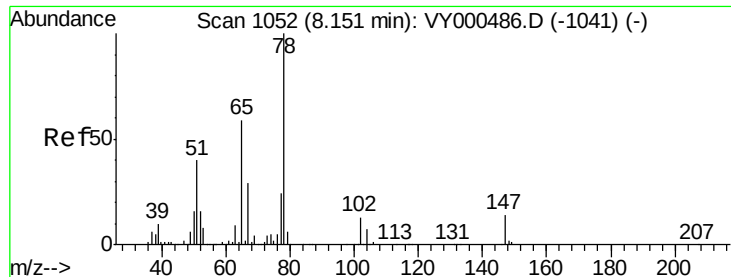
Delta R.T. 0.01 min

Lab File: VY000752.D

Acq: 20 Nov 2019 15:15

Tgt Ion: 56 Resp: 4595
Ion Ratio Lower Upper
56 100
69 130.1 25.0 37.6#
84 118.1 71.4 107.2#

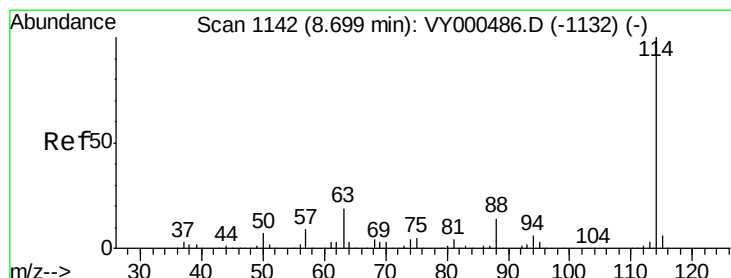
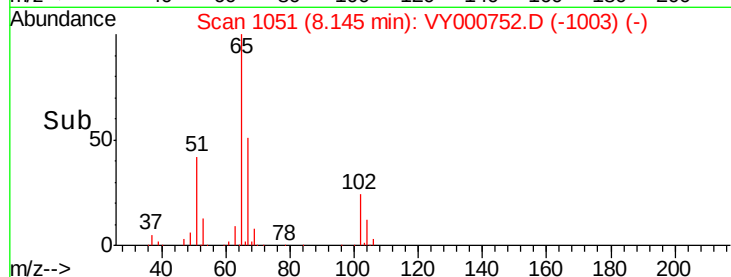
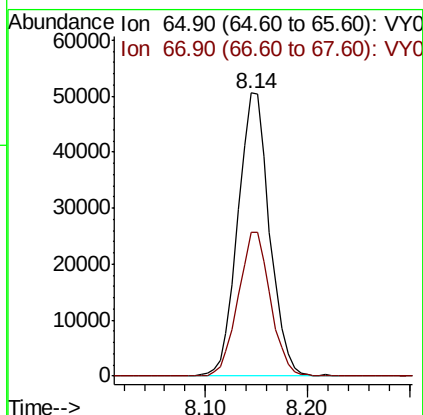
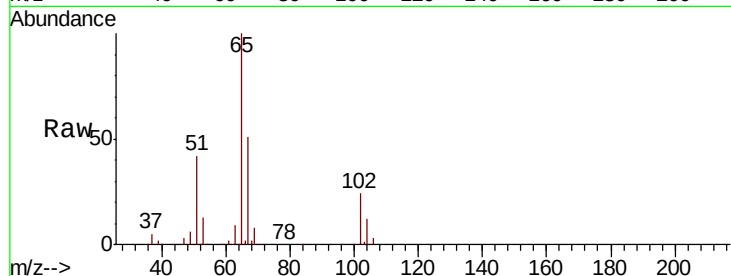




#33
 1,2-Dichloroethane-d4
 Concen: 51.848 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY000752.D
 Acq: 20 Nov 2019 15:15

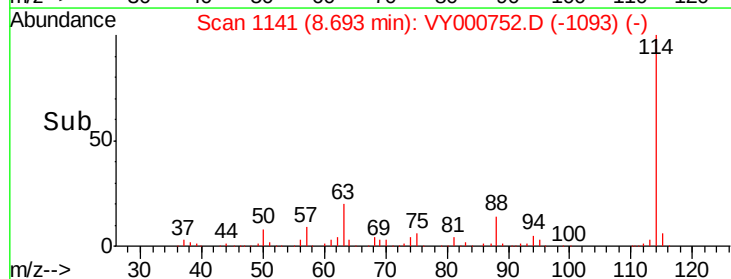
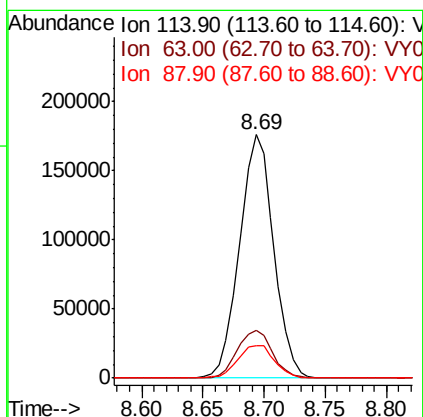
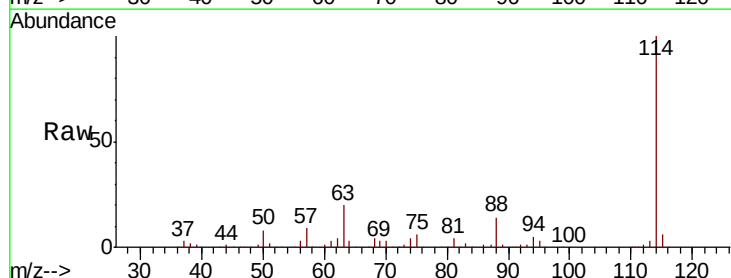
Instrument :
 MSVOA_Y
 ClientSampled :

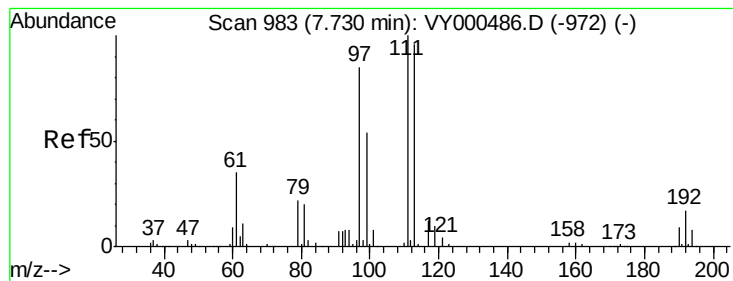
Tot Ion: 65 Resp: 109072
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000752.D
 Acq: 20 Nov 2019 15:15

Tgt Ion: 114 Resp: 340885
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.0
 88 13.5 0.0 28.6





#35

Dibromofluoromethane

Concen: 49.498 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000752.D

Acq: 20 Nov 2019 15:15

Instrument :
MSVOA_Y
ClientSampled :

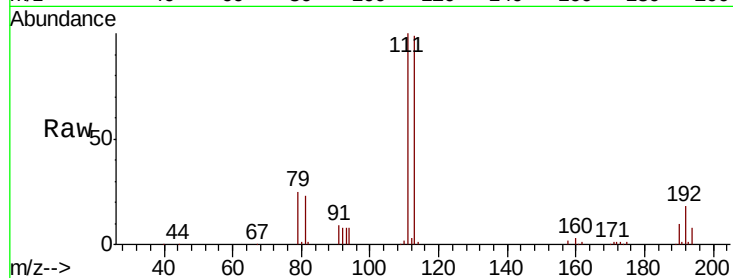
Tot Ion:113 Resp: 99056

Ion Ratio Lower Upper

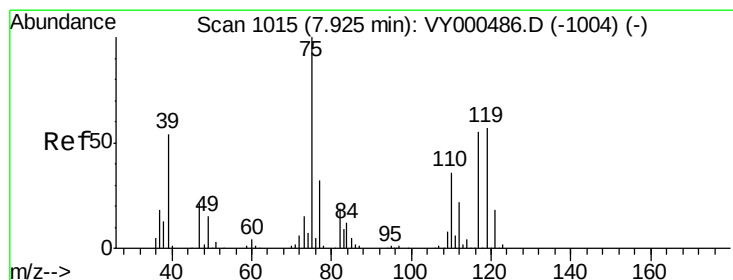
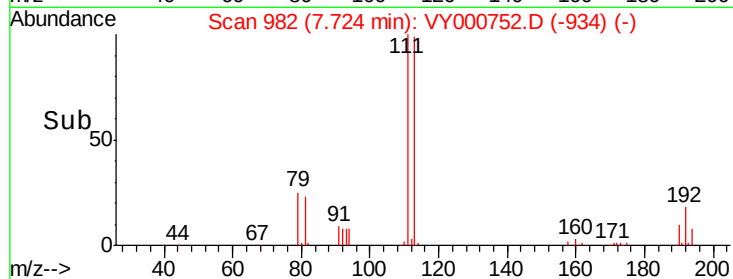
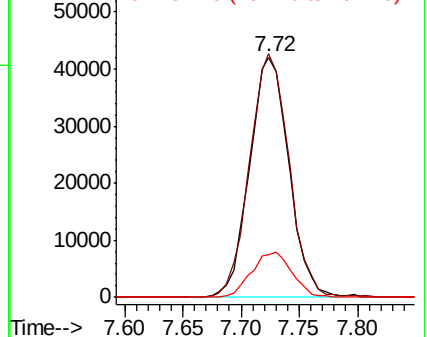
113 100

111 101.9 81.7 122.5

192 19.5 15.0 22.4



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.987 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000752.D

Acq: 20 Nov 2019 15:15

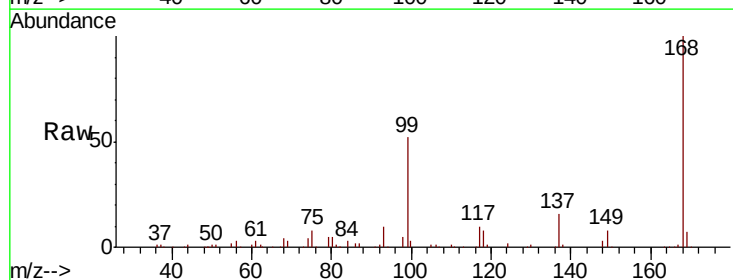
Tgt Ion: 75 Resp: 16072

Ion Ratio Lower Upper

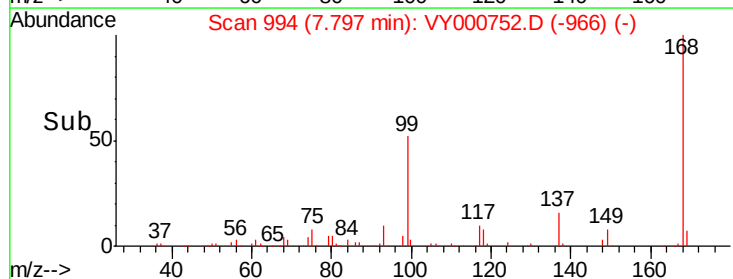
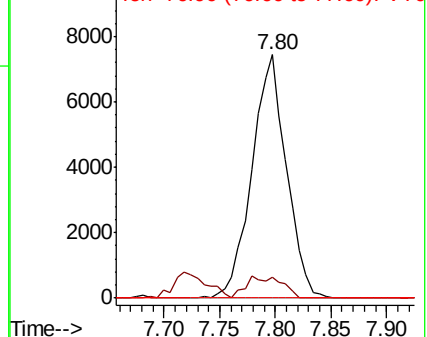
75 100

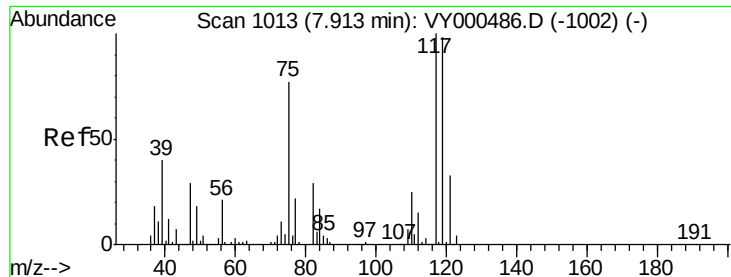
110 5.2 18.1 54.1#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VY0

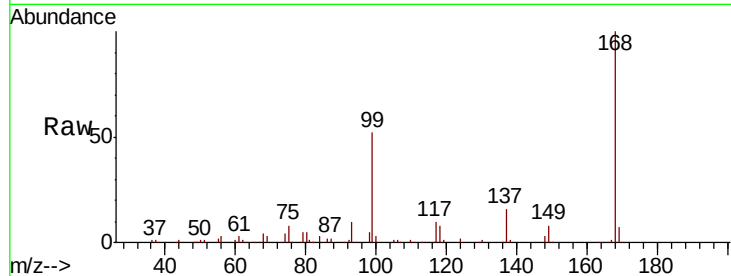




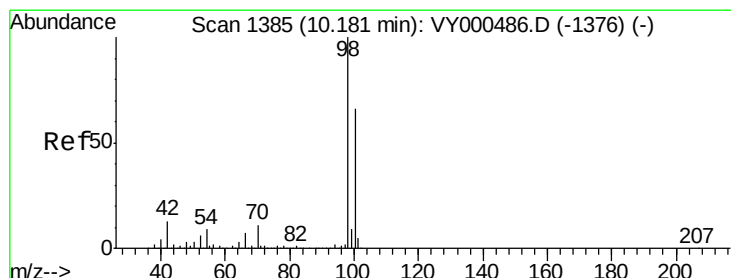
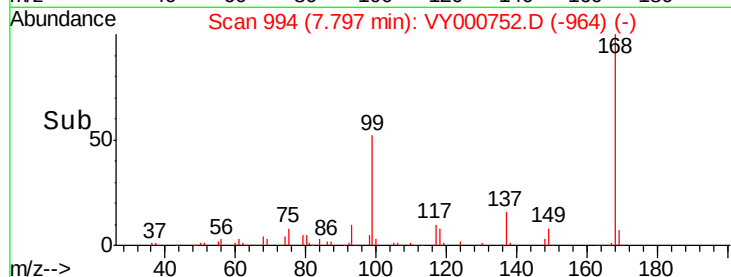
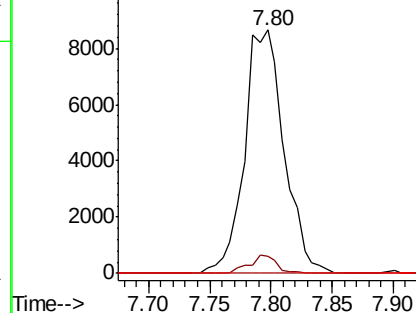
#38
Carbon Tetrachloride
Concen: 6.272 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000752.D
Acq: 20 Nov 2019 15:15

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 19449
Ion Ratio Lower Upper
117 100
119 6.9 78.0 117.0#
121 0.0 26.6 40.0#

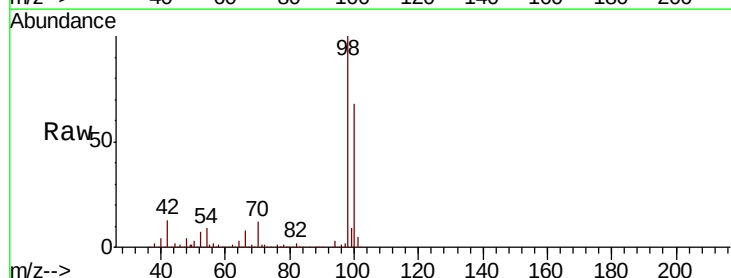


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

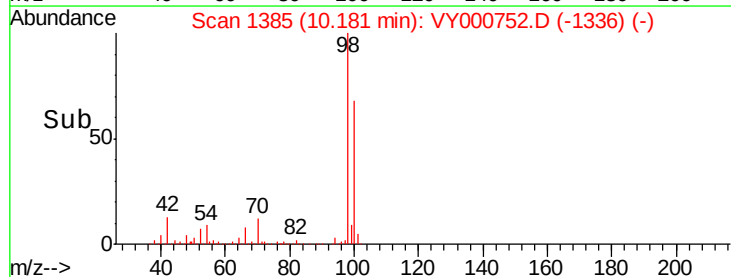
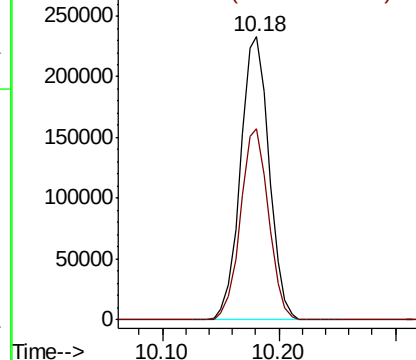


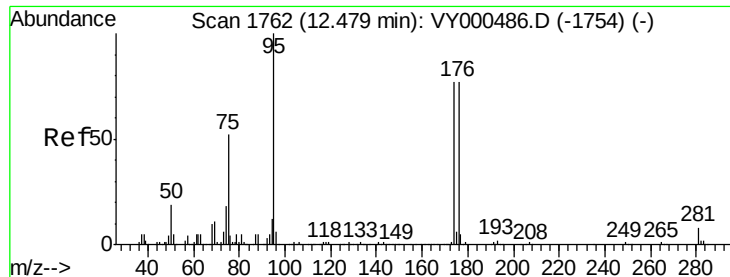
#50
Toluene-d8
Concen: 52.628 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000752.D
Acq: 20 Nov 2019 15:15

Tgt Ion: 98 Resp: 399632
Ion Ratio Lower Upper
98 100
100 66.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

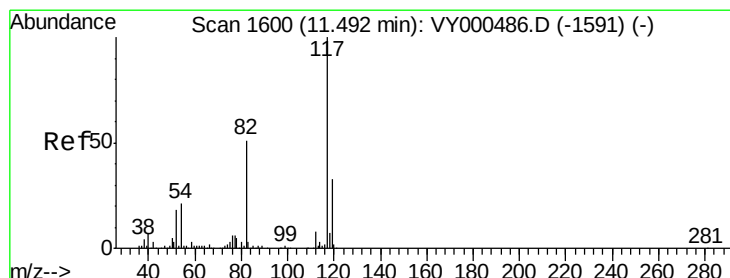
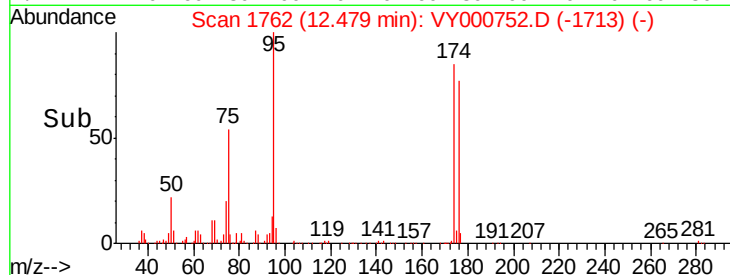
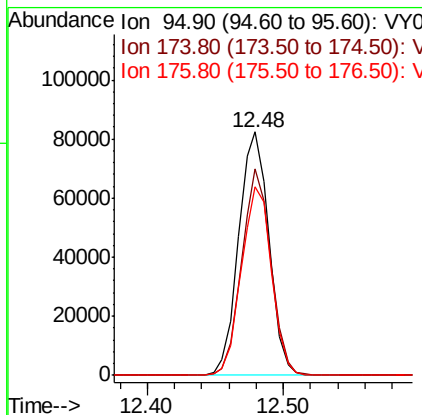
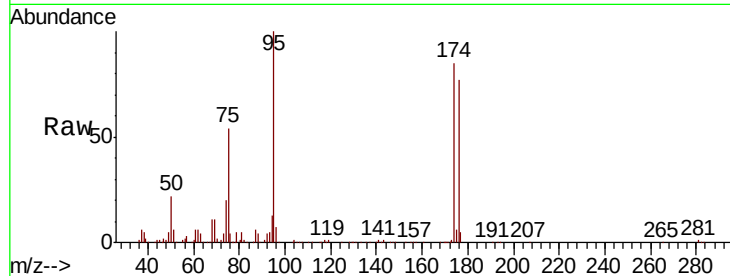




#62
4-Bromofluorobenzene
Concen: 44.165 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000752.D
Acq: 20 Nov 2019 15:15

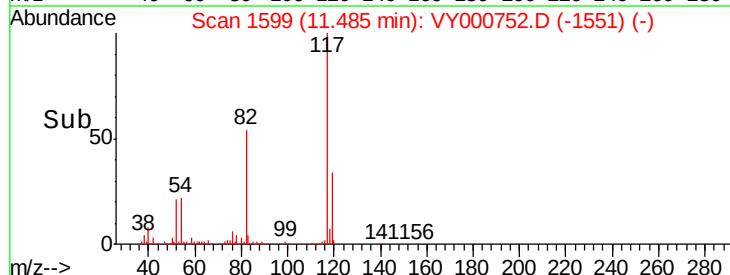
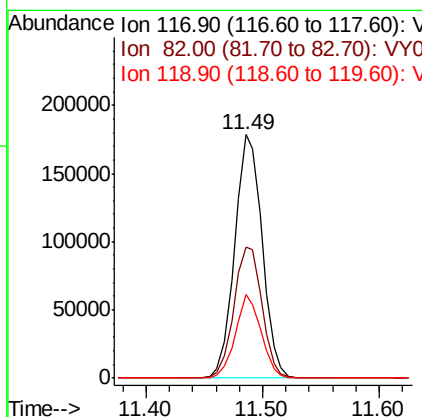
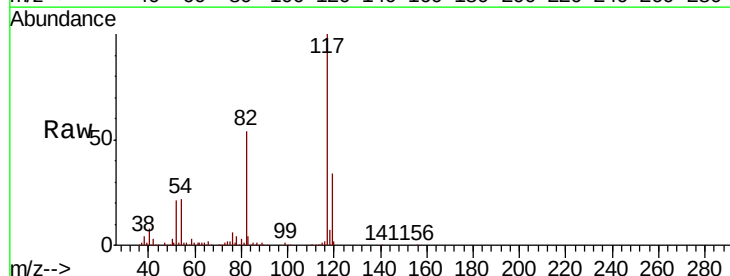
Instrument :
MSVOA_Y
ClientSampled :

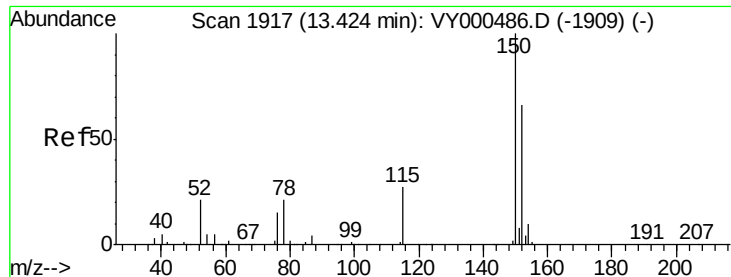
Tot Ion: 95 Resp: 127673
Ion Ratio Lower Upper
95 100
174 81.7 0.0 161.6
176 77.4 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000752.D
Acq: 20 Nov 2019 15:15

Tgt Ion: 117 Resp: 293139
Ion Ratio Lower Upper
117 100
82 53.9 40.8 61.2
119 34.2 26.2 39.2



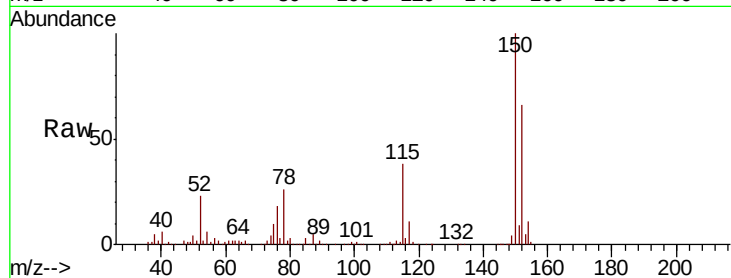


#72

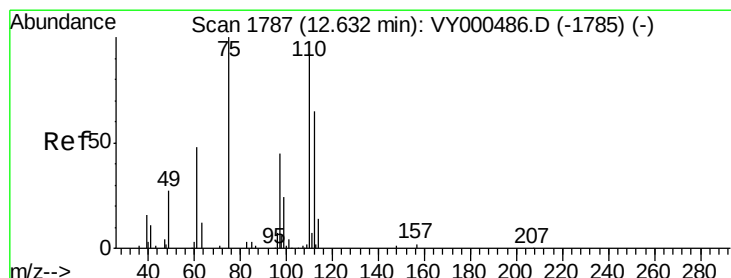
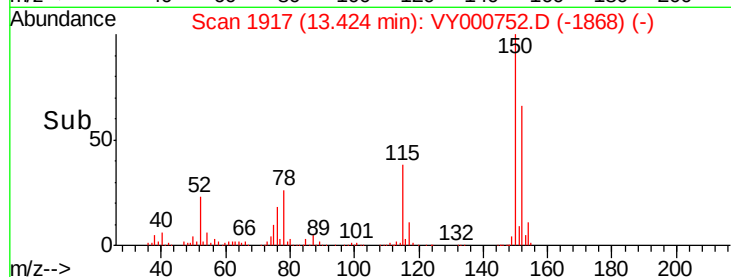
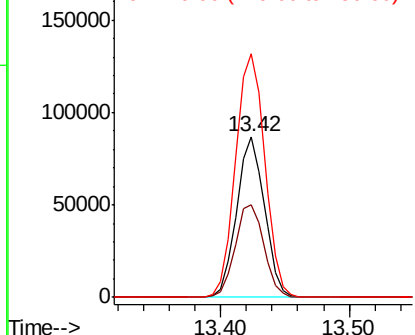
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000752.D
Acq: 20 Nov 2019 15:15

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.4	29.1	87.4
150	159.3	0.0	348.8



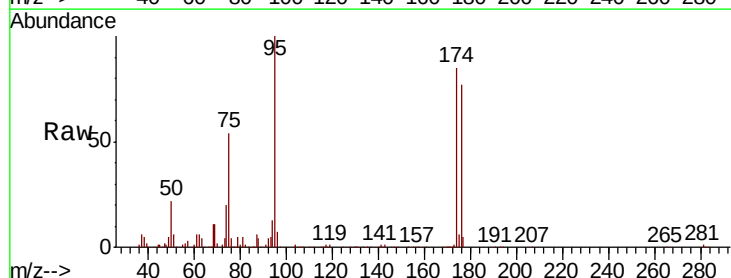
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



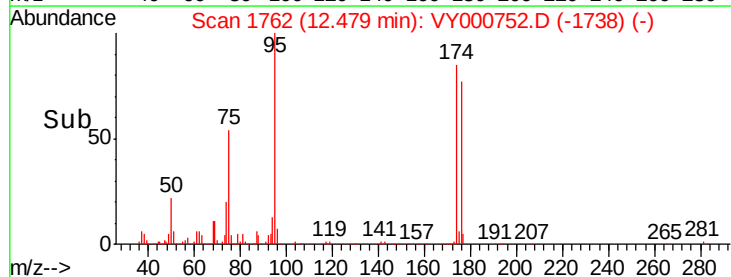
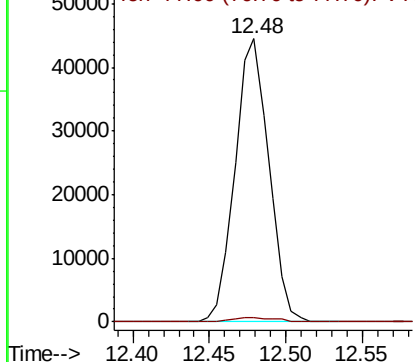
#76

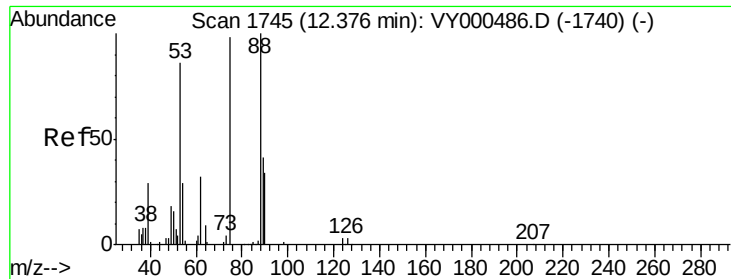
1,2,3-Trichloropropane
Concen: 46.156 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000752.D
Acq: 20 Nov 2019 15:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	2.1	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 103.487 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000752.D

Acq: 20 Nov 2019 15:15

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 68389

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.4 35.9 53.9#

