

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002081.D
 Acq On : 25 Mar 2020 20:35
 Operator : SY/MD
 Sample : L2040-01
 Misc : 6.72G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:38:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	124133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	243599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	223636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	96749	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	80369	60.65	ug/l	0.00
Spiked Amount			Recovery	=	121.30%	
35) Dibromofluoromethane	7.75	113	71636	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
50) Toluene-d8	10.20	98	300297	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.50	95	100364	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	

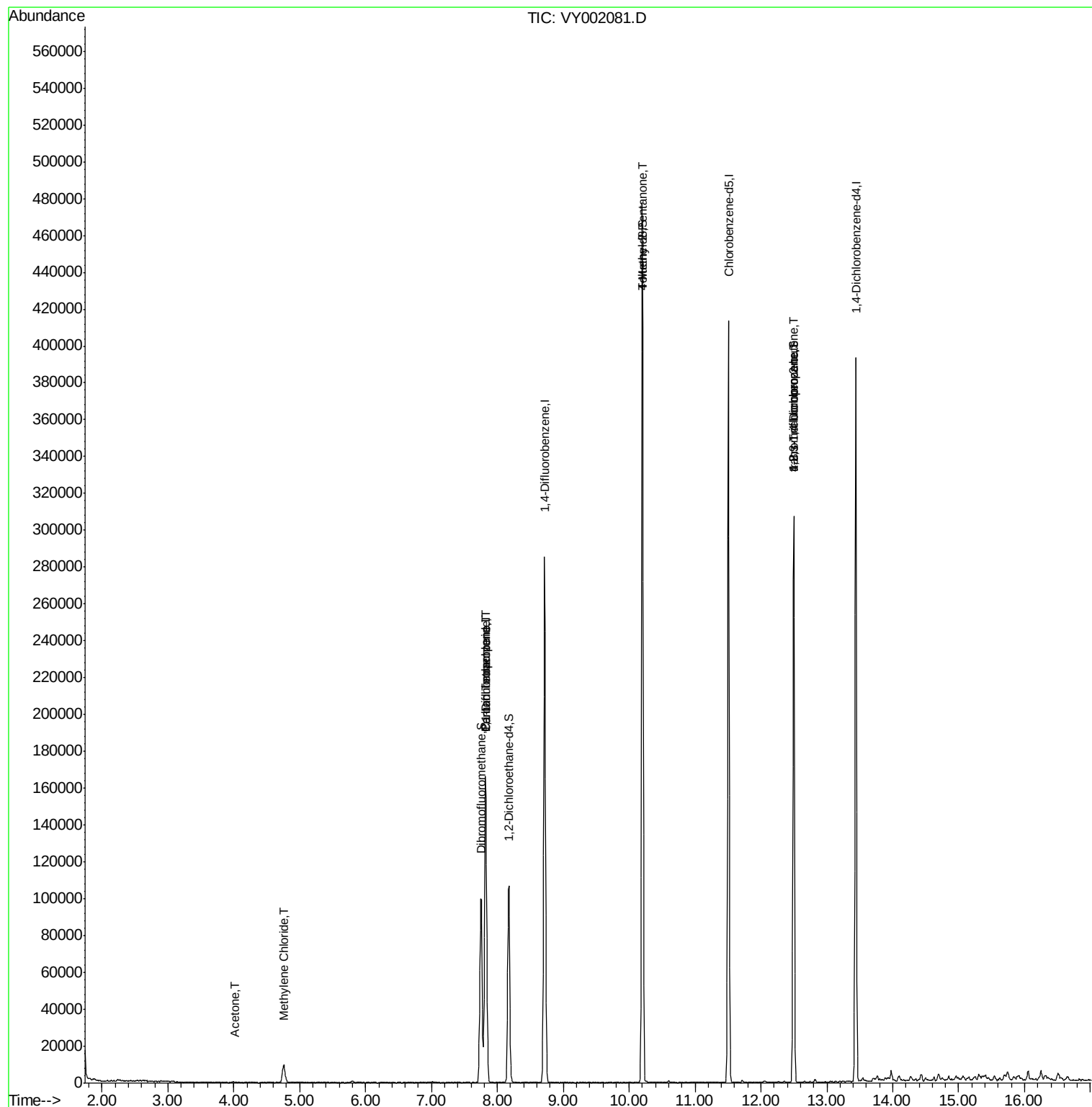
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.67	94	48	Below Cal	#	4
11) Tert butyl alcohol	4.99	59	319	Below Cal	#	74
16) Acetone	4.01	43	685	1.775	ug/l	94
20) Methylene Chloride	4.76	84	6818	4.122	ug/l	95
36) 1,1-Dichloropropene	7.82	75	10769	4.594	ug/l #	49
38) Carbon Tetrachloride	7.83	117	12628	6.306	ug/l #	17
51) 4-Methyl-2-Pentanone	10.20	43	1492	1.123	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	52770	45.967	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	52770	92.852	ug/l #	17

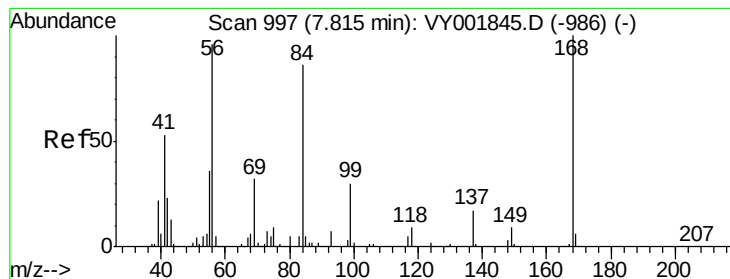
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY002081.D

Acq: 25 Mar 2020 20:35

Instrument :

MSVOA_Y

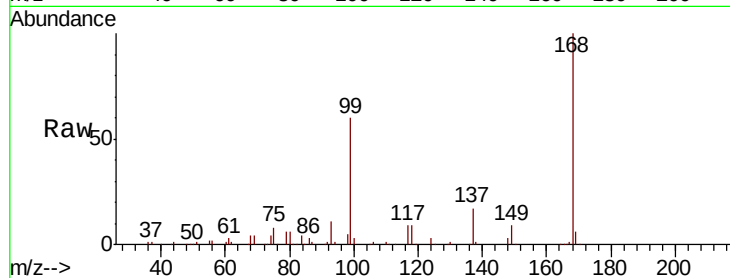
ClientSampleId :

Tot Ion:168 Resp: 124133

Ion Ratio Lower Upper

168 100

99 59.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.82

60000

50000

40000

30000

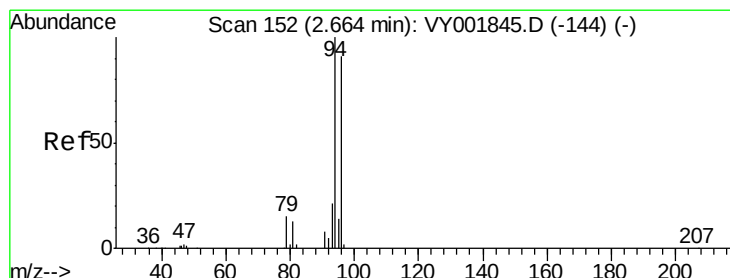
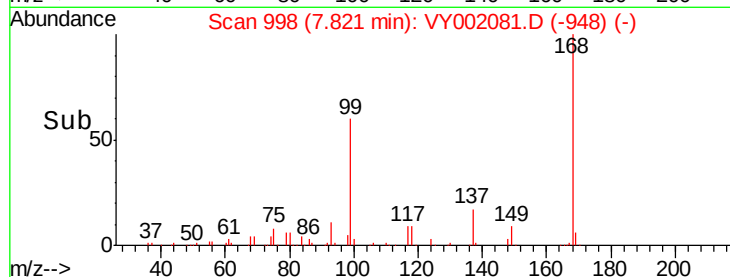
20000

10000

0

Time-->

7.70 7.80 7.90



#5

Bromomethane

Concen: Below Cal

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY002081.D

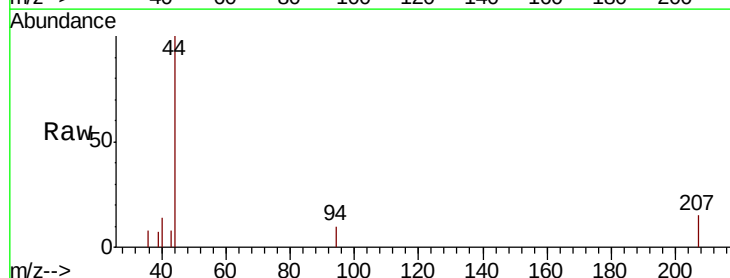
Acq: 25 Mar 2020 20:35

Tgt Ion: 94 Resp: 48

Ion Ratio Lower Upper

94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

200

150

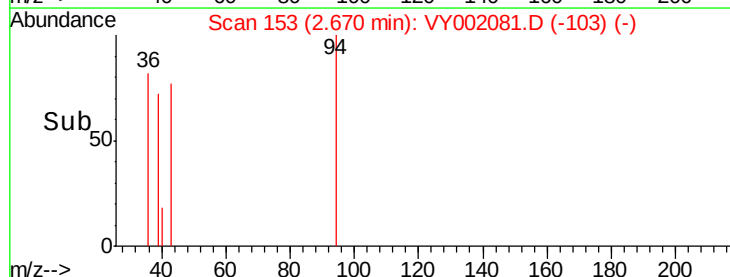
100

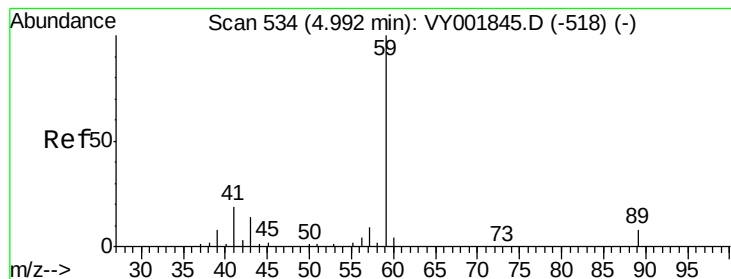
50

0

Time-->

2.64 2.66 2.68



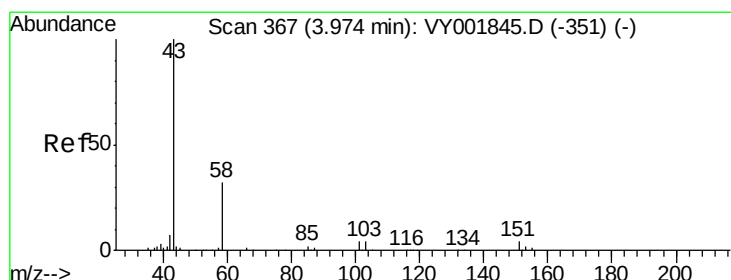
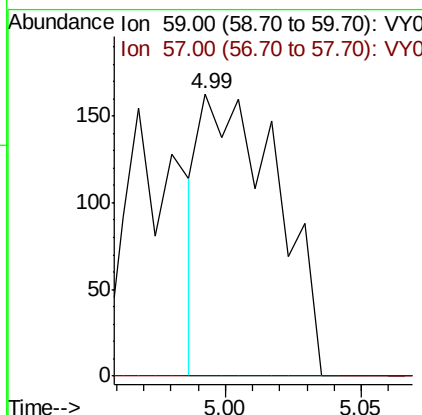
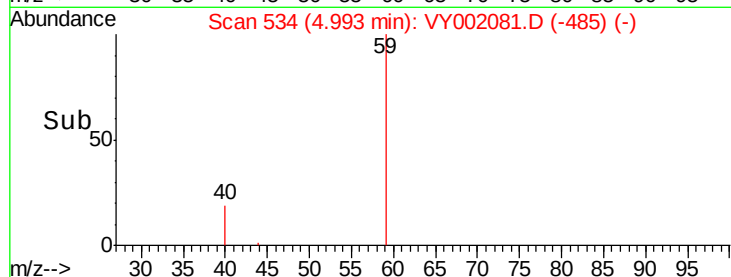
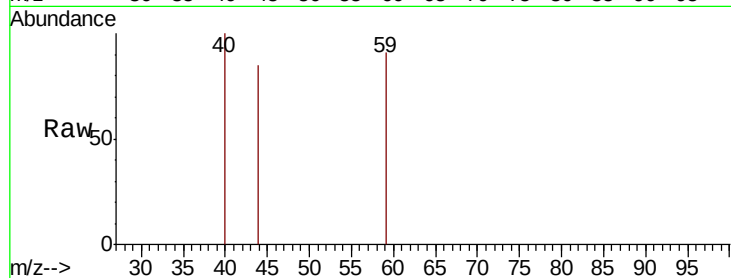


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.99 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VY002081.D
 Acq: 25 Mar 2020 20:35

Instrument :
 MSVOA_Y
 ClientSampled :

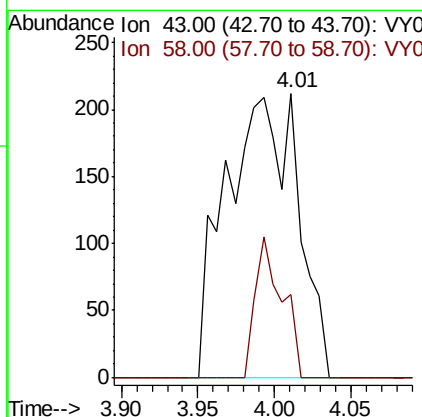
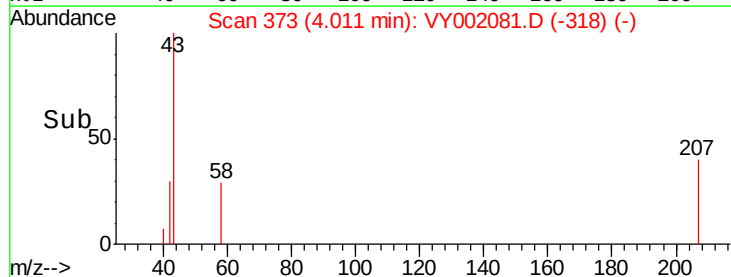
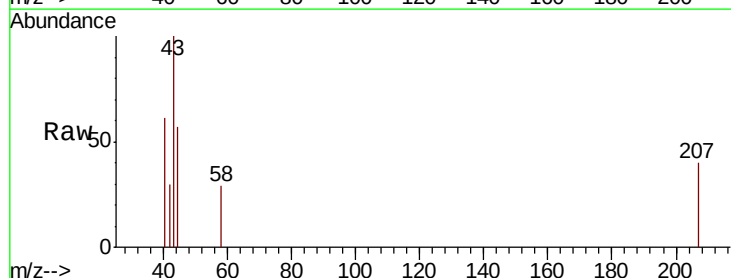
Tot Ion: 59 Resp: 319
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

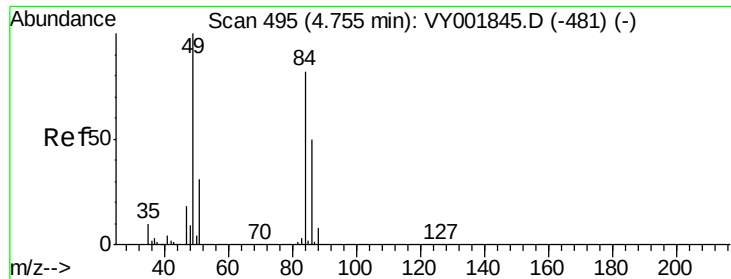


#16

Acetone
 Concen: 1.775 ug/l
 RT: 4.01 min Scan# 373
 Delta R.T. 0.04 min
 Lab File: VY002081.D
 Acq: 25 Mar 2020 20:35

Tgt Ion: 43 Resp: 685
 Ion Ratio Lower Upper
 43 100
 58 29.2 25.9 38.9

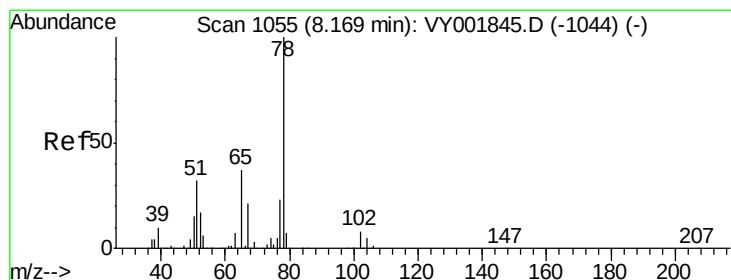
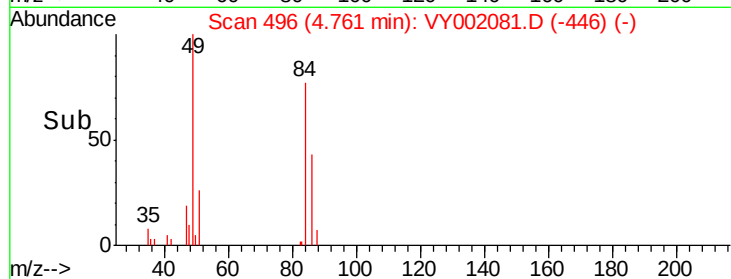
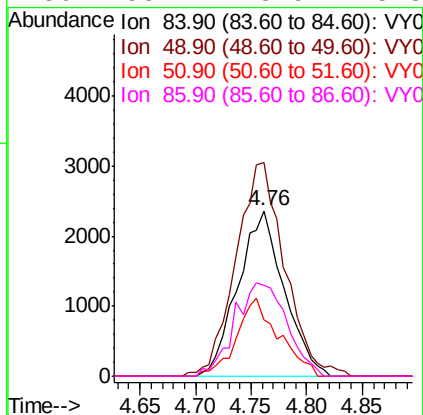
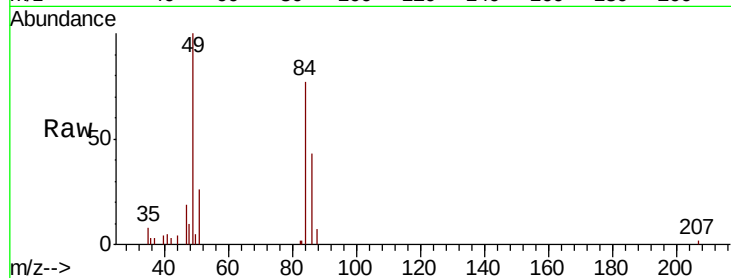




#20
Methylene Chloride
Concen: 4.122 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY002081.D
Acq: 25 Mar 2020 20:35

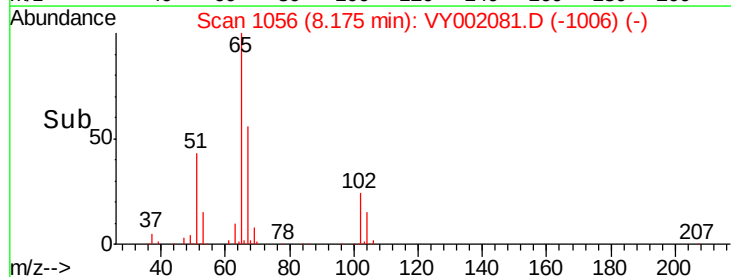
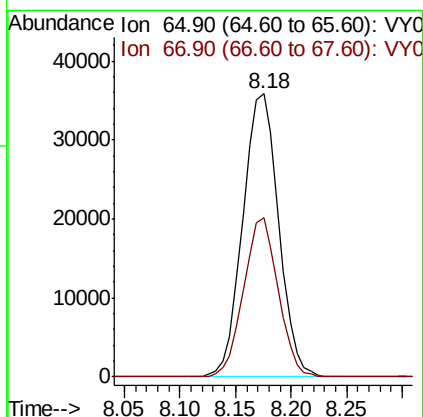
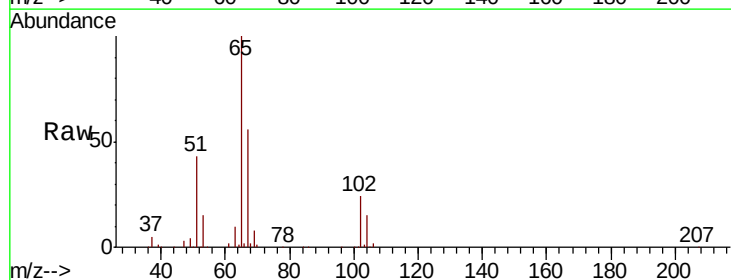
Instrument :
MSVOA_Y
ClientSampleId :

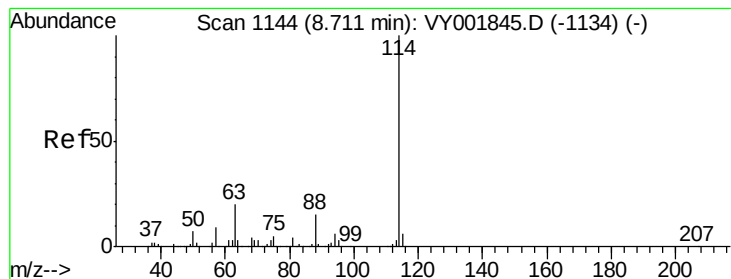
Tot Ion: 84 Resp: 6818
Ion Ratio Lower Upper
84 100
49 126.9 98.2 147.2
51 34.2 30.2 45.2
86 55.1 48.9 73.3



#33
1,2-Dichloroethane-d4
Concen: 60.647 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. 0.01 min
Lab File: VY002081.D
Acq: 25 Mar 2020 20:35

Tgt Ion: 65 Resp: 80369
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY002081.D

Acq: 25 Mar 2020 20:35

Instrument :

MSVOA_Y

ClientSampleId :

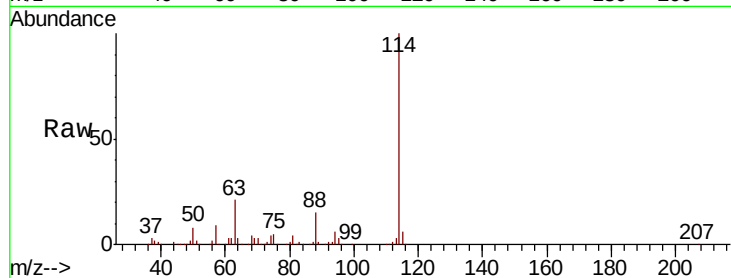
Tot Ion:114 Resp: 243599

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.4

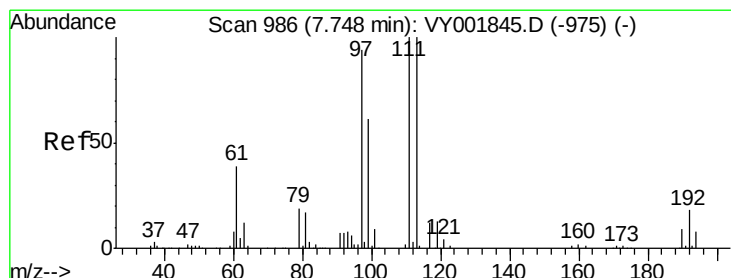
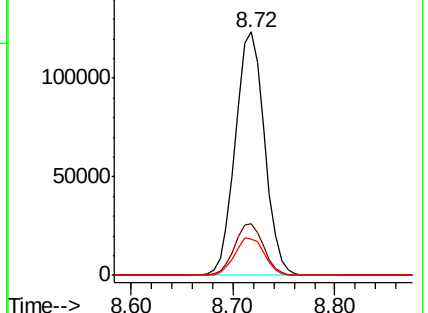
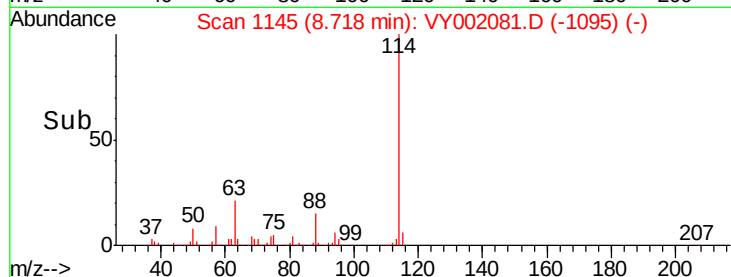
88 15.0 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35

Dibromofluoromethane

Concen: 53.855 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY002081.D

Acq: 25 Mar 2020 20:35

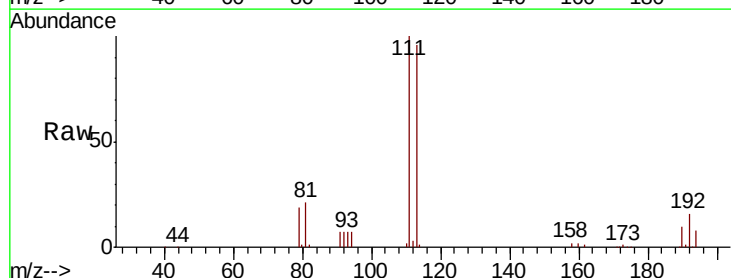
Tgt Ion:113 Resp: 71636

Ion Ratio Lower Upper

113 100

111 104.5 81.8 122.8

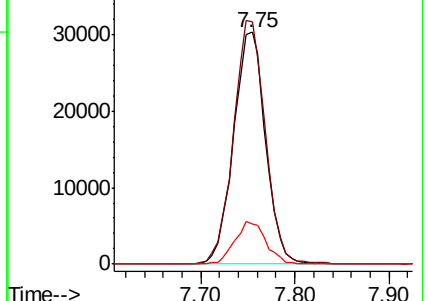
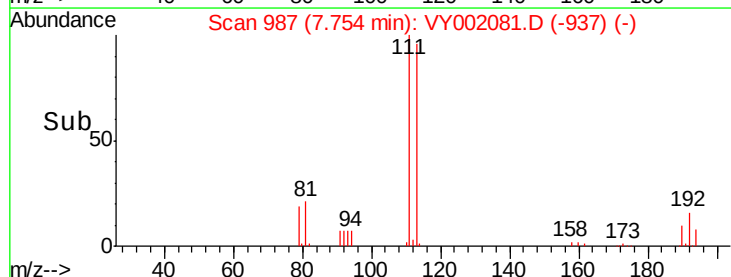
192 17.7 14.2 21.2

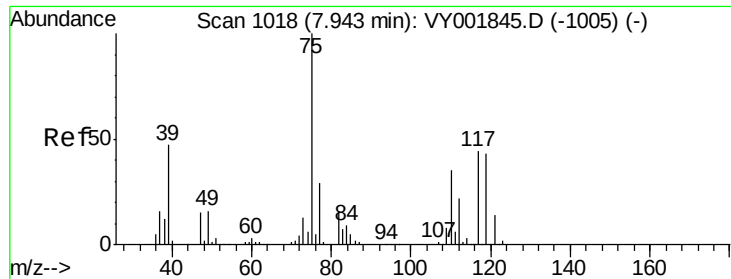


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

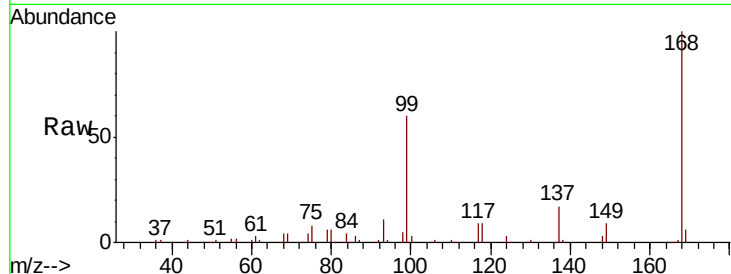




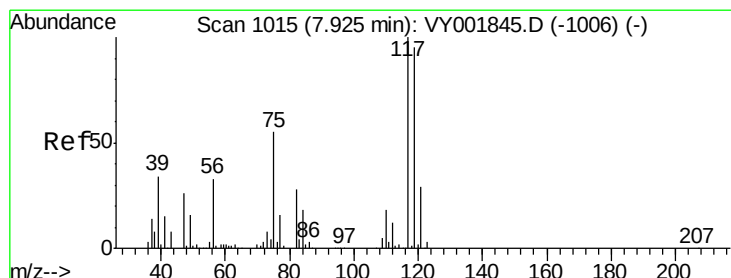
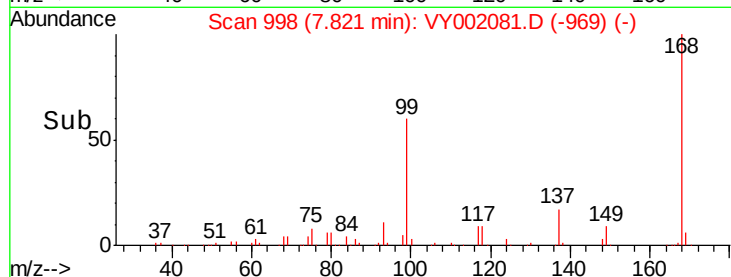
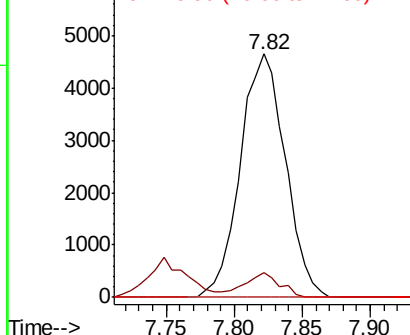
#36
 1,1-Dichloropropene
 Concen: 4.594 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY002081.D
 Acq: 25 Mar 2020 20:35

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	75	Resp	10769
Ion Ratio	Lower	Upper	
75	100		
110	7.9	17.4	52.2#
77	0.0	24.2	36.2#

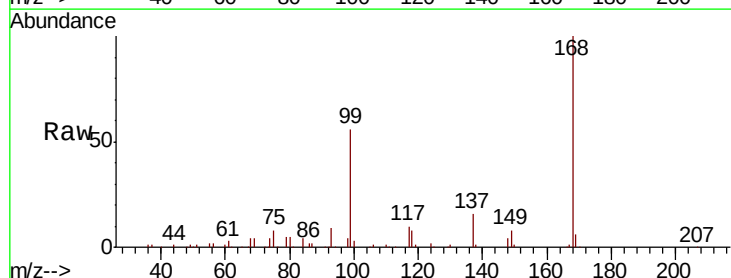


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

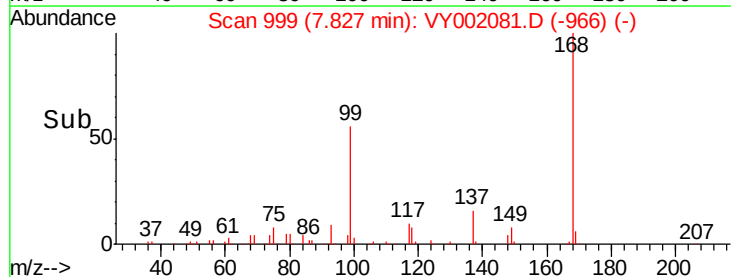
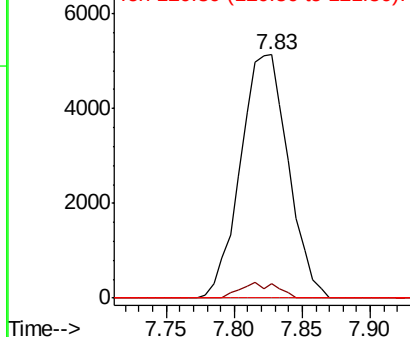


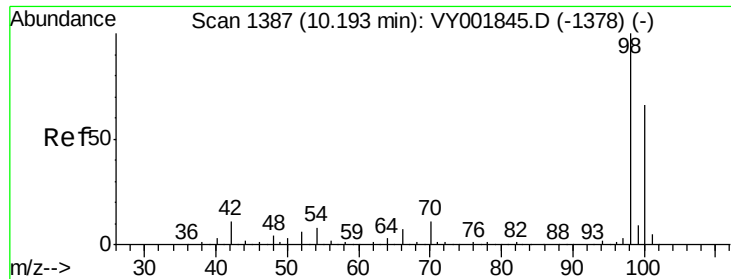
#38
 Carbon Tetrachloride
 Concen: 6.306 ug/l
 RT: 7.83 min Scan# 999
 Delta R.T. -0.10 min
 Lab File: VY002081.D
 Acq: 25 Mar 2020 20:35

Tgt Ion	117	Resp	12628
Ion Ratio	Lower	Upper	
117	100		
119	6.1	76.3	114.5#
121	0.0	23.5	35.3#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0

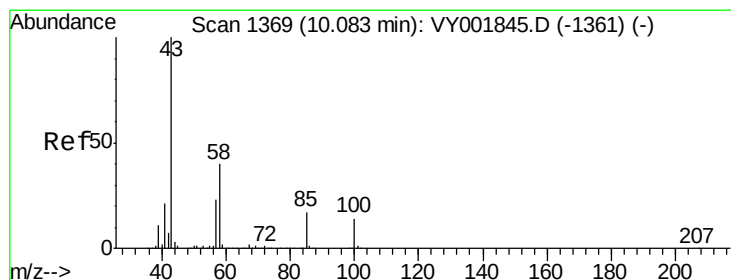
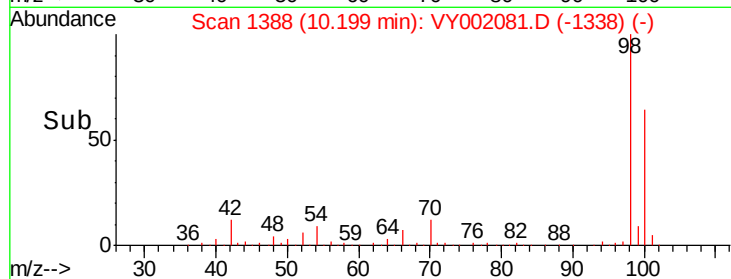
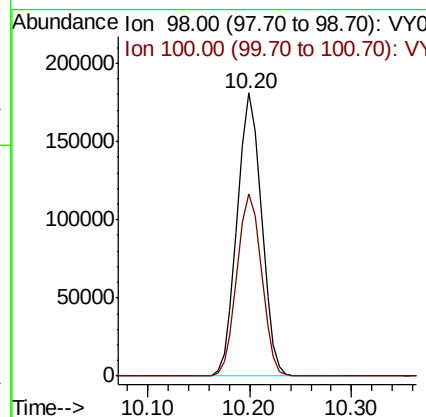
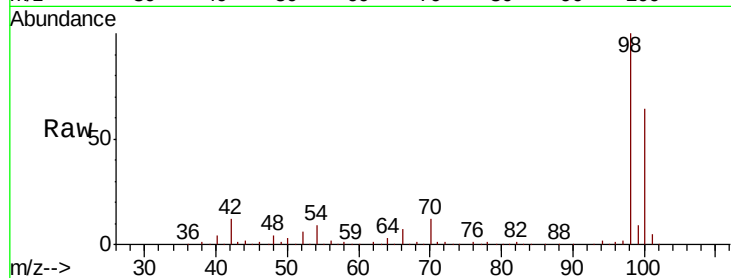




#50
Toluene-d8
Concen: 53.538 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002081.D
Acq: 25 Mar 2020 20:35

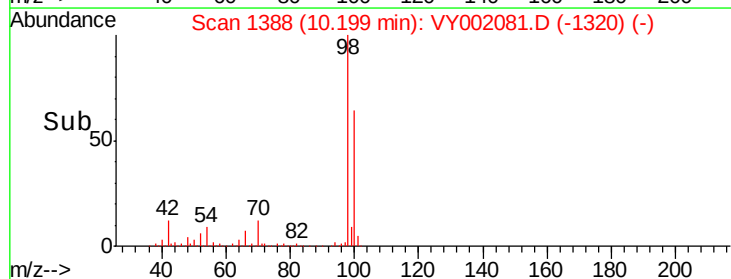
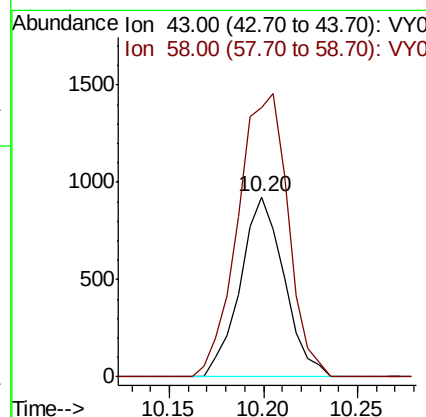
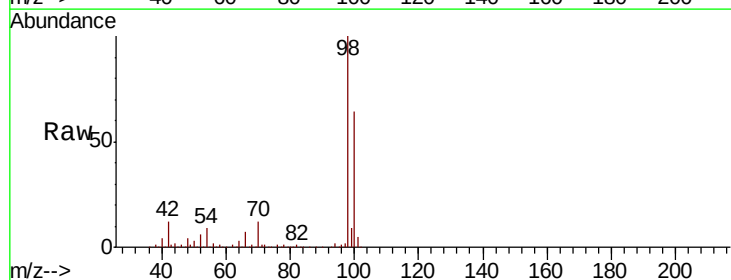
Instrument :
MSVOA_Y
ClientSampleId :

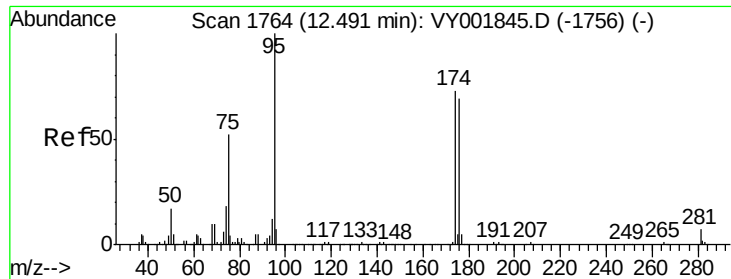
Tot Ion: 98 Resp: 300297
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.123 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.12 min
Lab File: VY002081.D
Acq: 25 Mar 2020 20:35

Tgt Ion: 43 Resp: 1492
Ion Ratio Lower Upper
43 100
58 180.3 32.0 48.0#

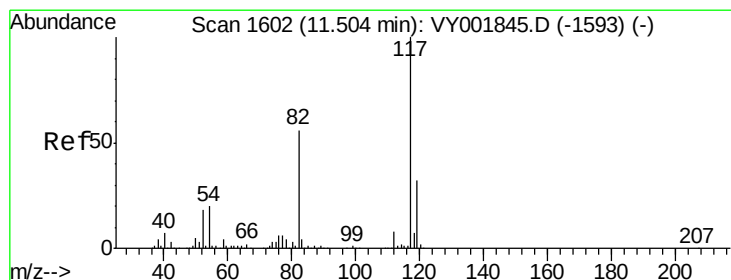
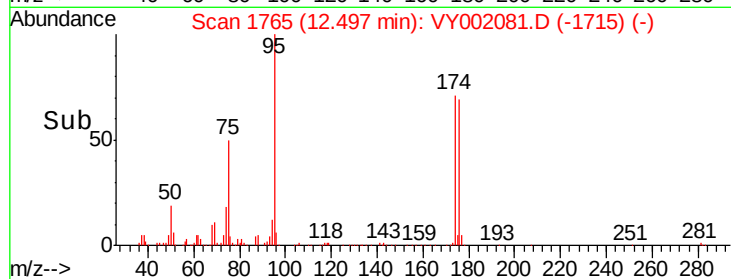
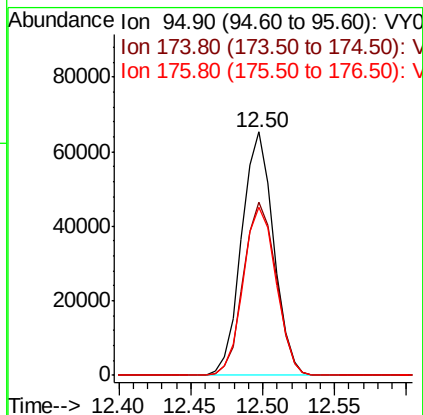
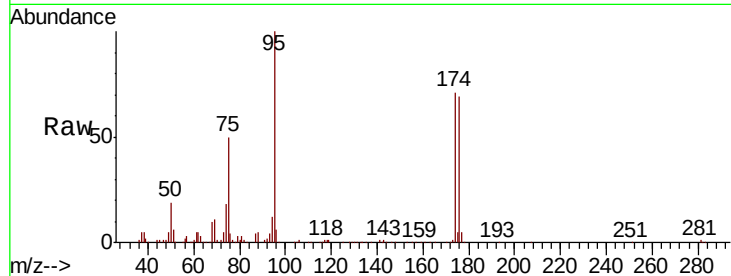




#62
4-Bromofluorobenzene
Concen: 51.460 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY002081.D
Acq: 25 Mar 2020 20:35

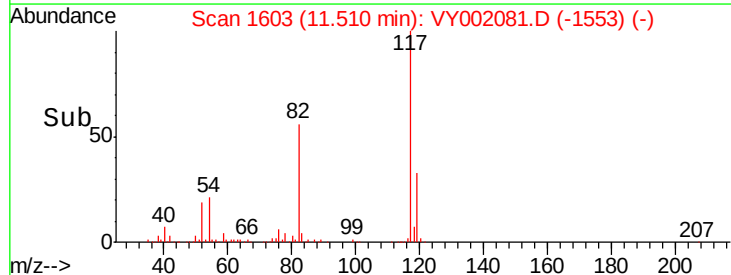
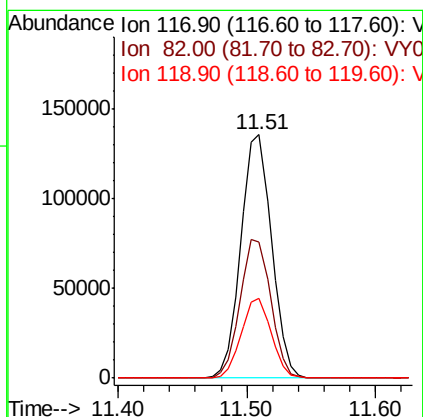
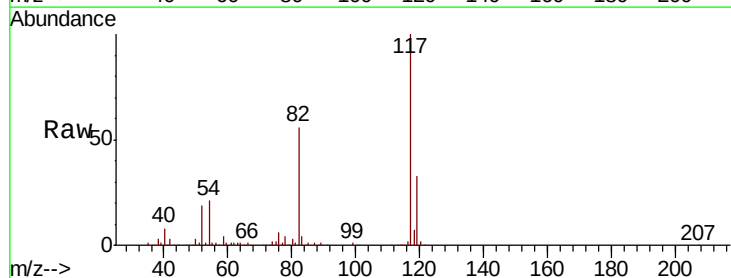
Instrument :
MSVOA_Y
ClientSampled :

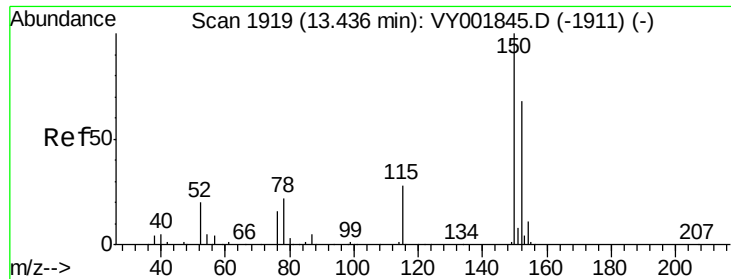
Tot Ion: 95 Resp: 100364
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.0
176 70.8 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002081.D
Acq: 25 Mar 2020 20:35

Tgt Ion: 117 Resp: 223636
Ion Ratio Lower Upper
117 100
82 55.8 44.5 66.7
119 32.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY002081.D

Acq: 25 Mar 2020 20:35

Instrument :

MSVOA_Y

ClientSampleId :

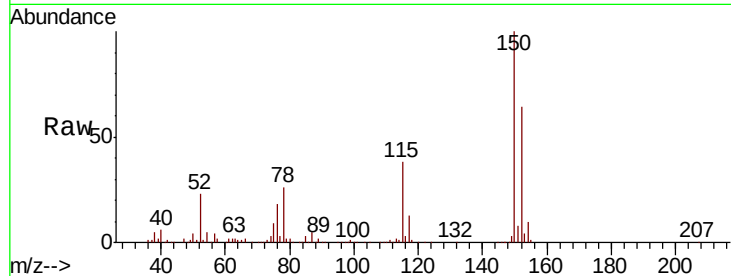
Tot Ion:152 Resp: 96749

Ion Ratio Lower Upper

152 100

115 60.5 29.9 89.7

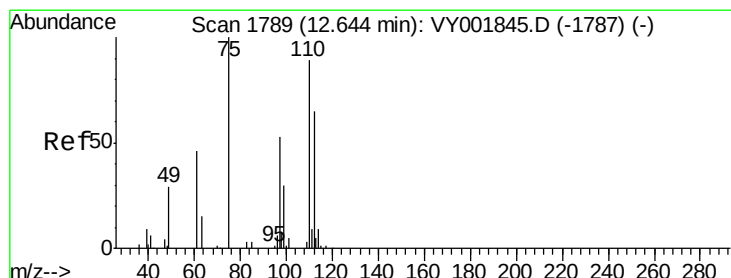
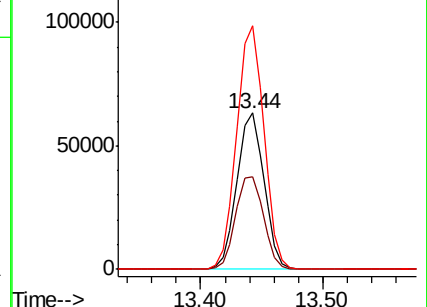
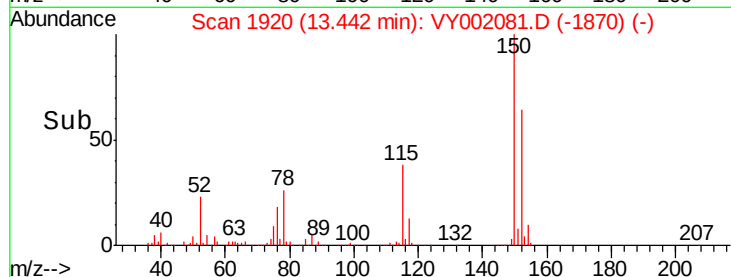
150 156.9 0.0 340.6



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: 45.967 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY002081.D

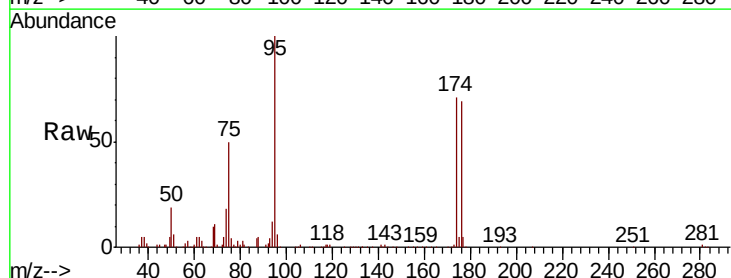
Acq: 25 Mar 2020 20:35

Tgt Ion: 75 Resp: 52770

Ion Ratio Lower Upper

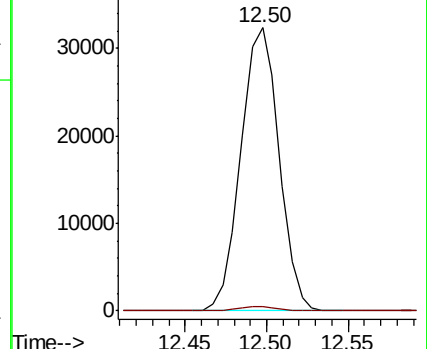
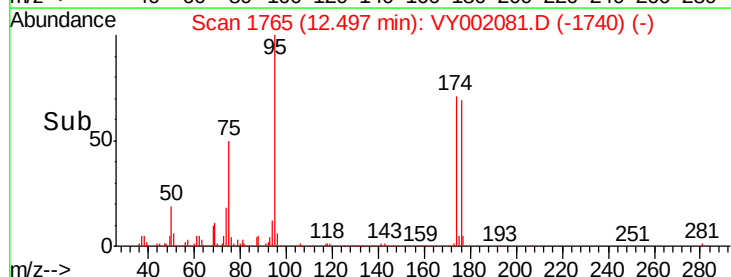
75 100

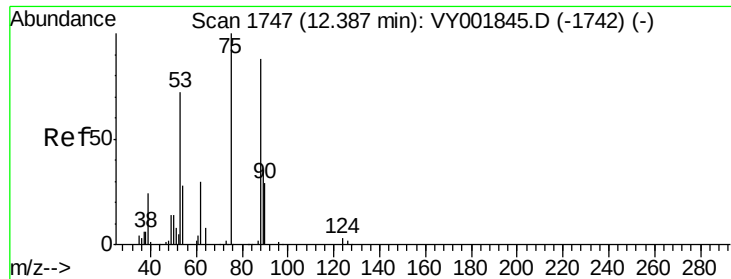
77 1.5 0.0 0.0#



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: 92.852 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY002081.D

Acq: 25 Mar 2020 20:35

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 52770

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#

