

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030620\
 Data File : VY001901.D
 Acq On : 06 Mar 2020 16:33
 Operator : SY/MD
 Sample : L1836-01RE
 Misc : 6.23G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 06 22:08:38 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	141450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	267563	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	217729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	68123	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	83574	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	
35) Dibromofluoromethane	7.74	113	76320	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
50) Toluene-d8	10.19	98	316772	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.50	95	85164	39.76	ug/l	0.00
Spiked Amount			Recovery	=	79.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.67	94	40	Below Cal	#	59
11) Tert butyl alcohol	4.99	59	20	Below Cal	#	74
16) Acetone	3.99	43	695	1.580	ug/l #	42
18) Methyl Acetate	4.52	43	13970	12.362	ug/l	97
20) Methylene Chloride	4.76	84	5658	3.002	ug/l	98
25) 2-Butanone	7.03	43	1099	1.643	ug/l #	87
36) 1,1-Dichloropropene	7.82	75	11759	4.567	ug/l #	49
38) Carbon Tetrachloride	7.82	117	14333	6.516	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1561	1.070	ug/l #	1
76) 1,2,3-Trichloropropane	12.50	75	42956	53.142	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	42956	107.344	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001901.D

Acq: 06 Mar 2020 16:33

Instrument :

MSVOA_Y

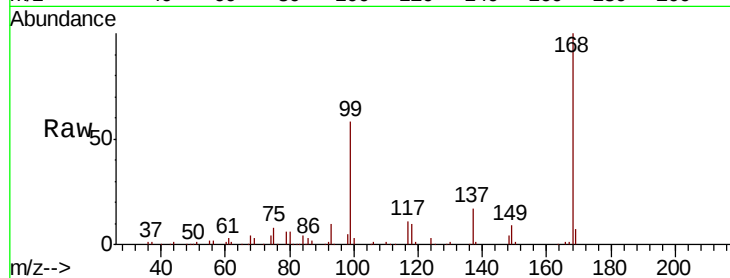
ClientSampleId :

Tot Ion:168 Resp: 141450

Ion Ratio Lower Upper

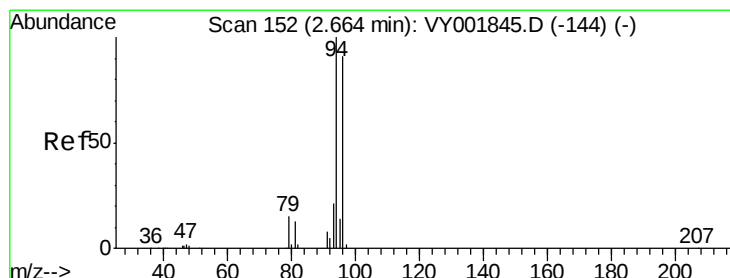
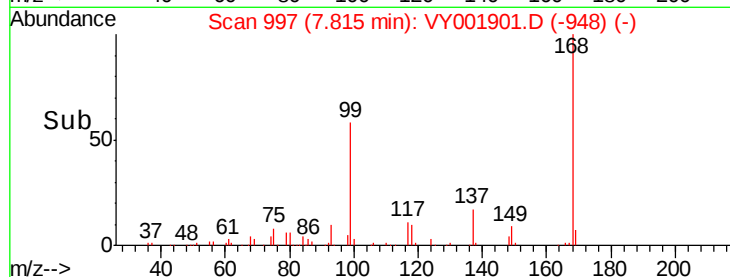
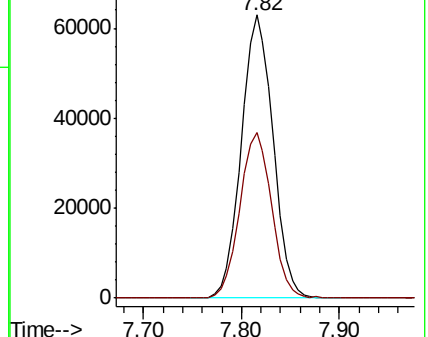
168 100

99 58.4 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) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.67 min Scan# 153

Delta R.T. 0.01 min

Lab File: VY001901.D

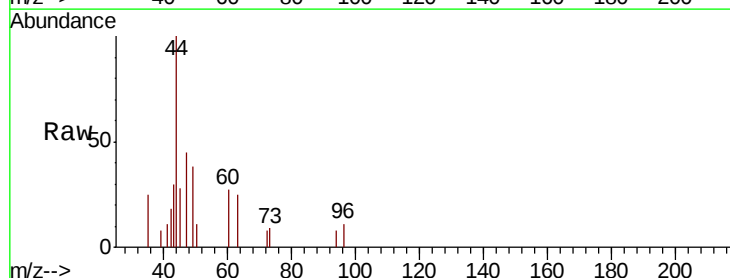
Acq: 06 Mar 2020 16:33

Tgt Ion: 94 Resp: 40

Ion Ratio Lower Upper

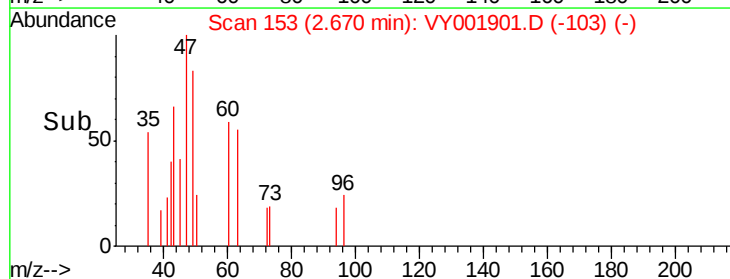
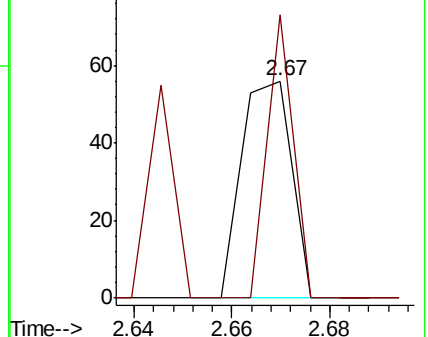
94 100

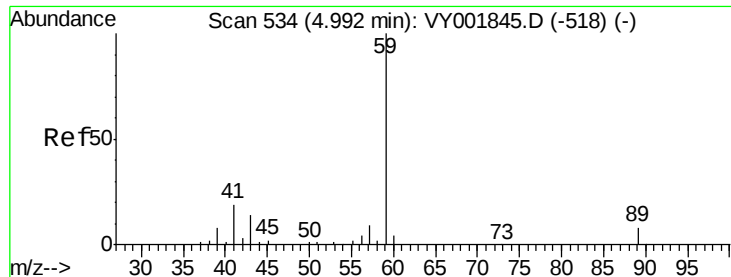
96 130.4 73.2 109.8#



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

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

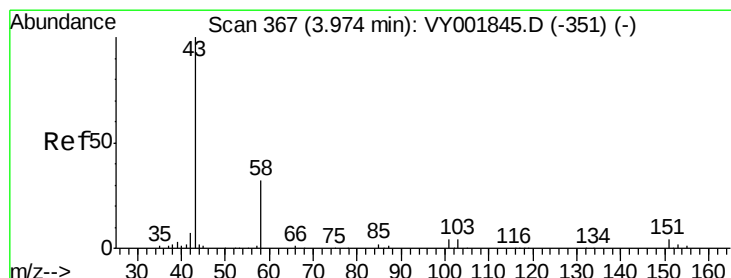
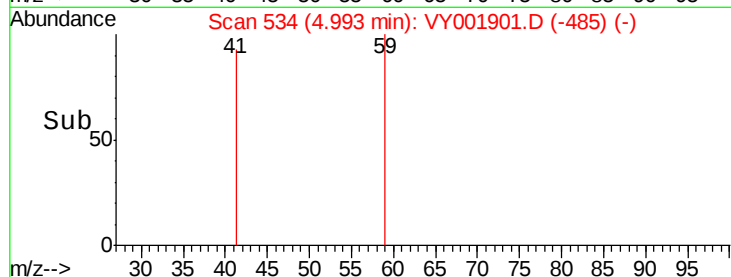
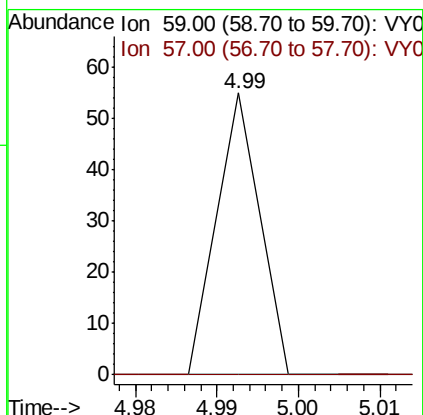
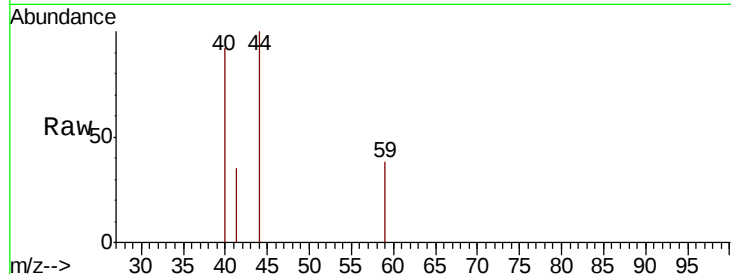




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.99 min Scan# 534
Delta R.T. 0.00 min
Lab File: VY001901.D
Acq: 06 Mar 2020 16:33

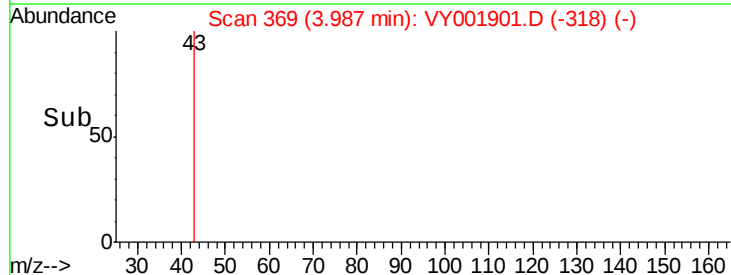
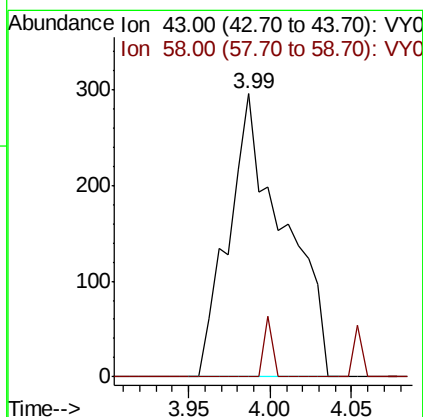
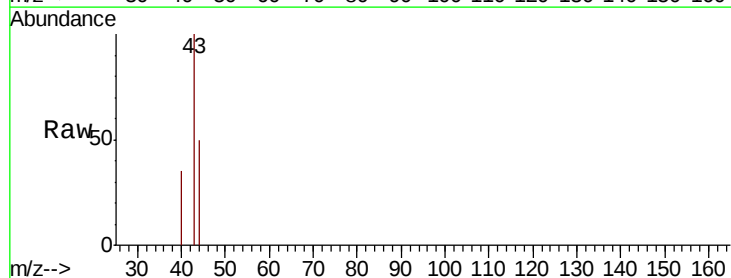
Instrument :
MSVOA_Y
ClientSampled :

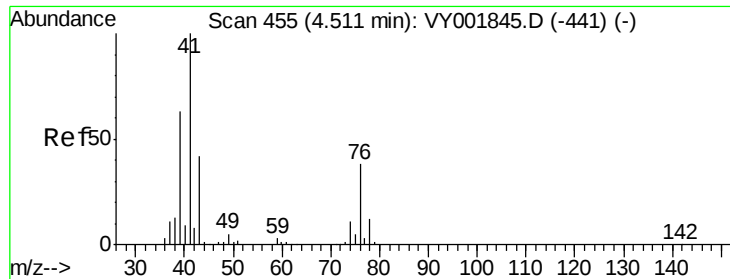
Tot Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 1.580 ug/l
RT: 3.99 min Scan# 369
Delta R.T. 0.01 min
Lab File: VY001901.D
Acq: 06 Mar 2020 16:33

Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#

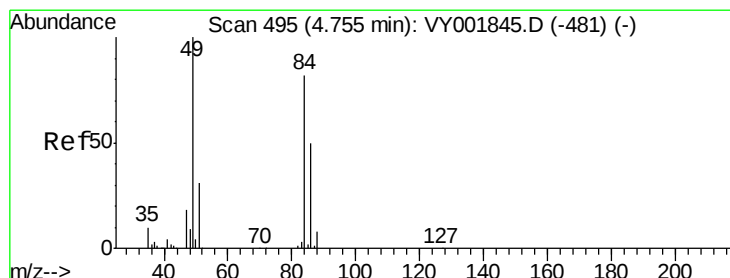
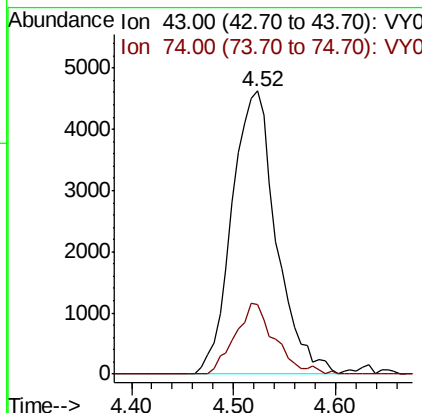
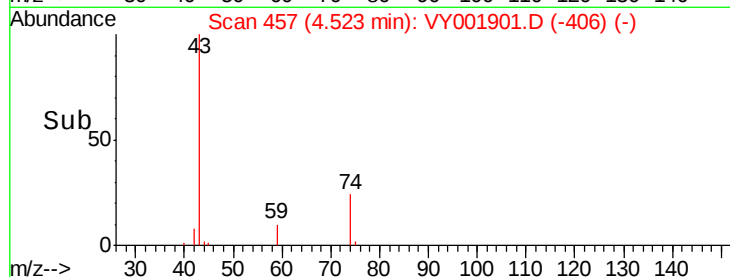
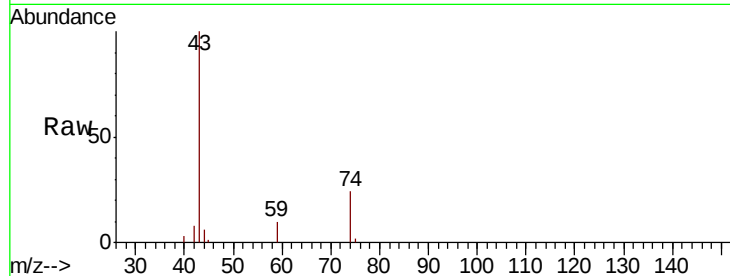




#18
Methyl Acetate
Concen: 12.362 ug/l
RT: 4.52 min Scan# 457
Delta R.T. 0.01 min
Lab File: VY001901.D
Acq: 06 Mar 2020 16:33

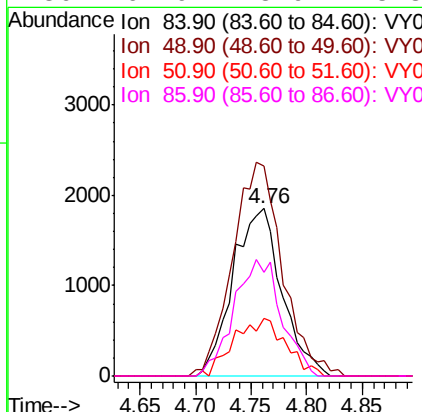
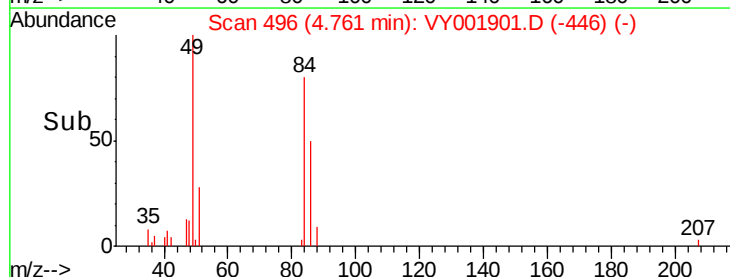
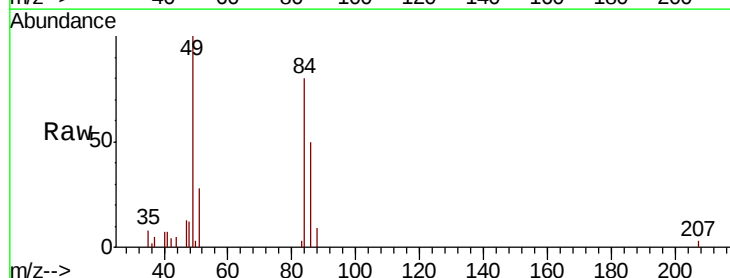
Instrument :
MSVOA_Y
ClientSampled :

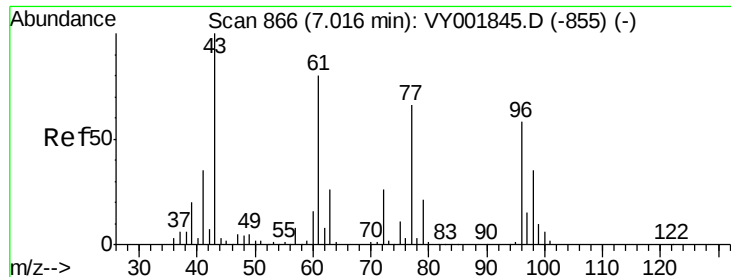
Tot Ion: 43 Resp: 13970
Ion Ratio Lower Upper
43 100
74 22.4 19.0 28.6



#20
Methylene Chloride
Concen: 3.002 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY001901.D
Acq: 06 Mar 2020 16:33

Tgt Ion: 84 Resp: 5658
Ion Ratio Lower Upper
84 100
49 125.0 98.2 147.2
51 34.6 30.2 45.2
86 61.9 48.9 73.3

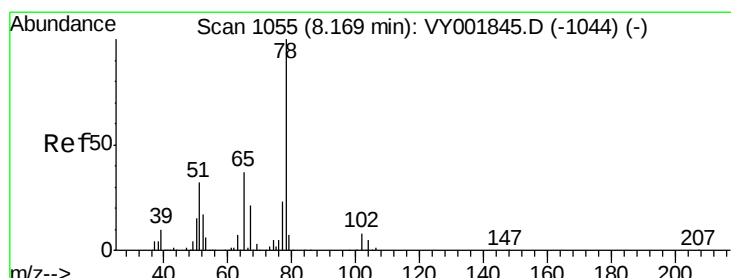
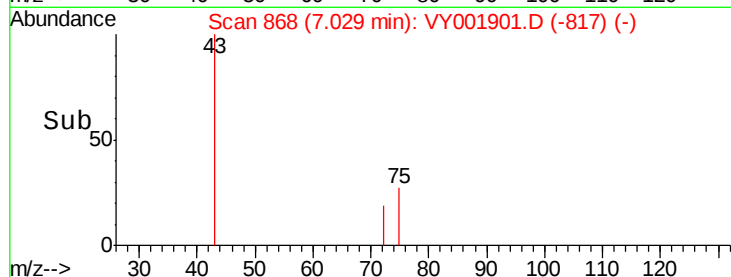
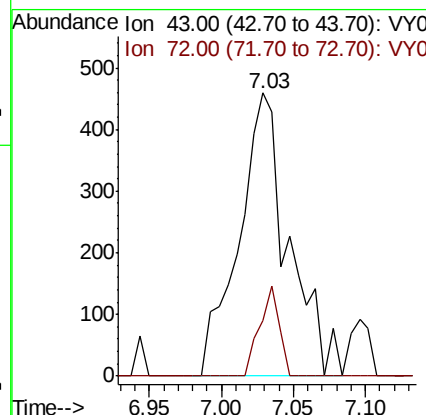
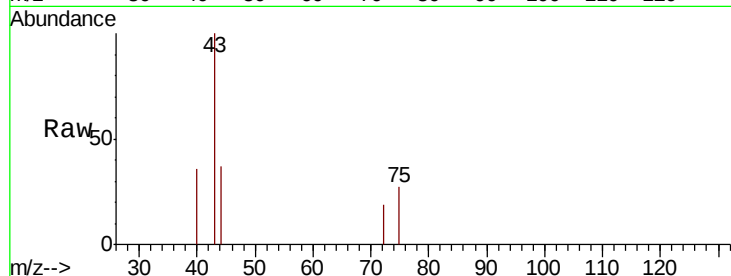




#25
 2-Butanone
 Concen: 1.643 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: VY001901.D
 Acq: 06 Mar 2020 16:33

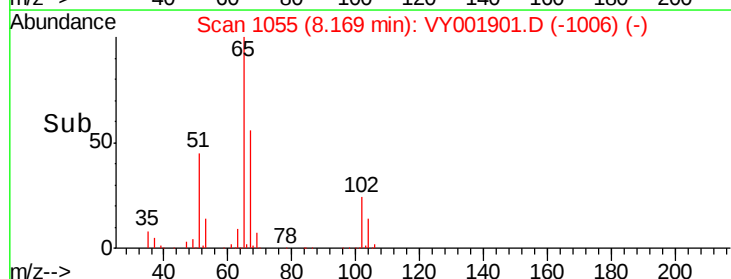
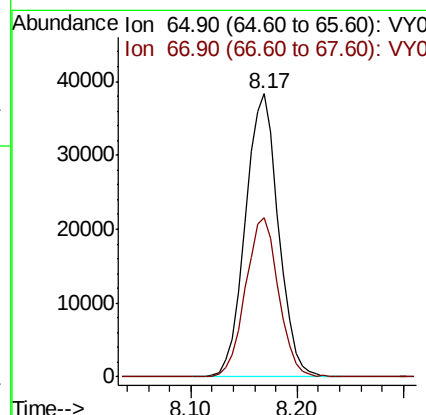
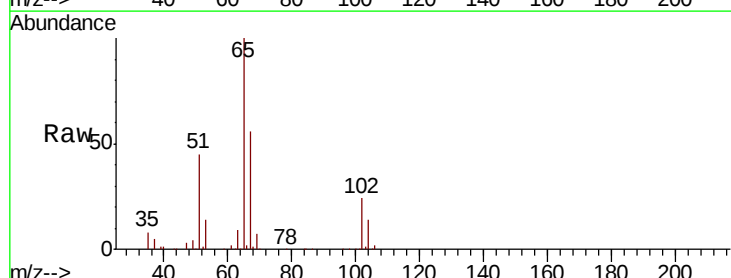
Instrument :
 MSVOA_Y
 ClientSampleId :

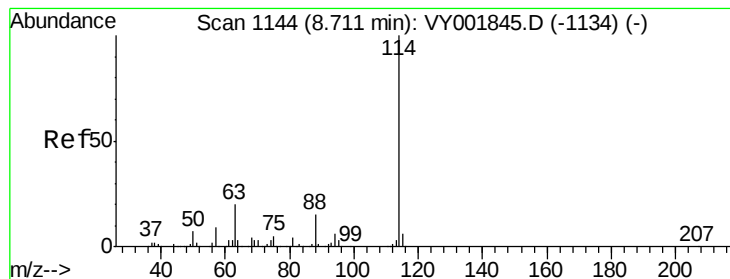
Tot Ion: 43 Resp: 1099
 Ion Ratio Lower Upper
 43 100
 72 19.4 20.9 31.3#



#33
 1,2-Dichloroethane-d4
 Concen: 55.344 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001901.D
 Acq: 06 Mar 2020 16:33

Tgt Ion: 65 Resp: 83574
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 110.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VY001901.D

Acq: 06 Mar 2020 16:33

Instrument :
MSVOA_Y
ClientSampleId :

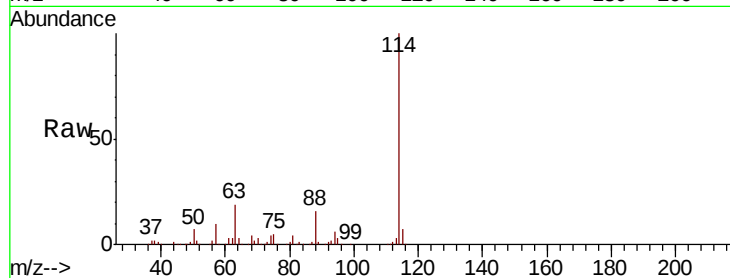
Tot Ion:114 Resp: 267563

Ion Ratio Lower Upper

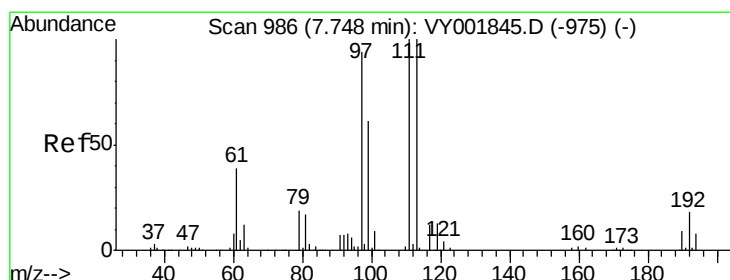
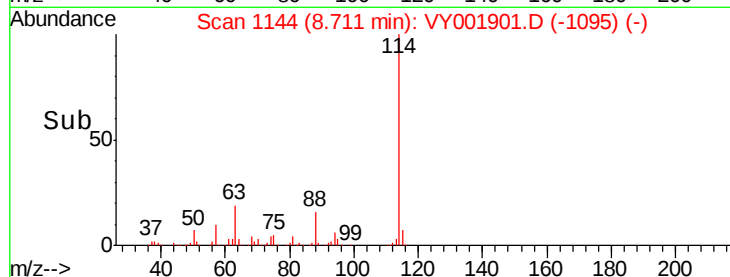
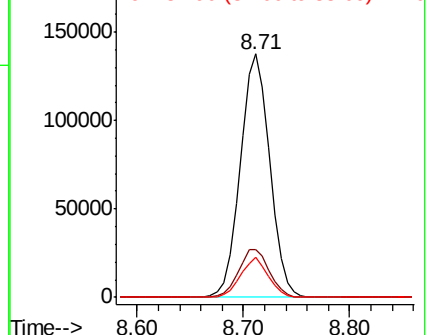
114 100

63 19.4 0.0 39.4

88 16.4 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: 52.238 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001901.D

Acq: 06 Mar 2020 16:33

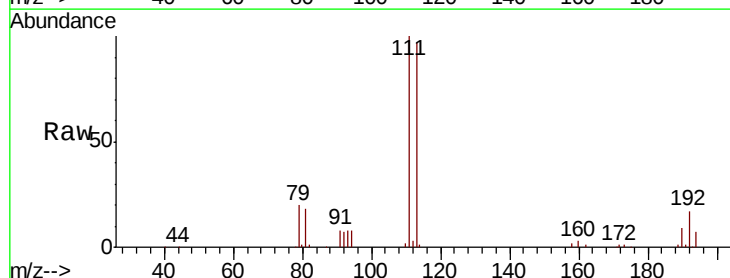
Tgt Ion:113 Resp: 76320

Ion Ratio Lower Upper

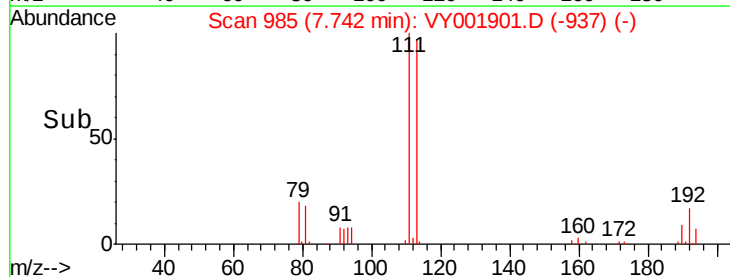
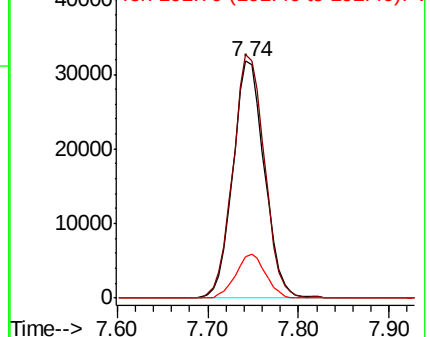
113 100

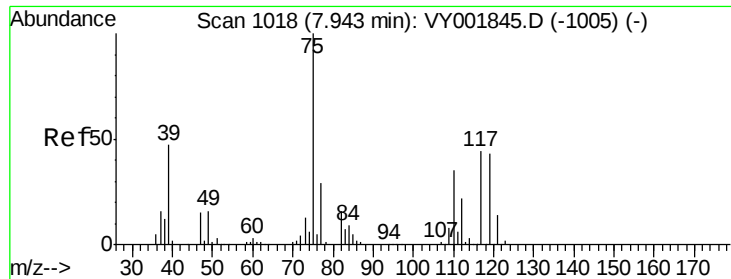
111 103.0 81.8 122.8

192 17.8 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

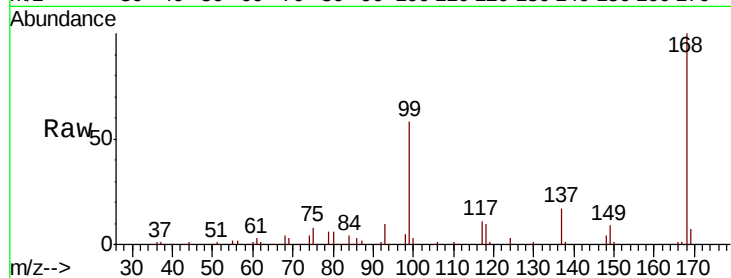




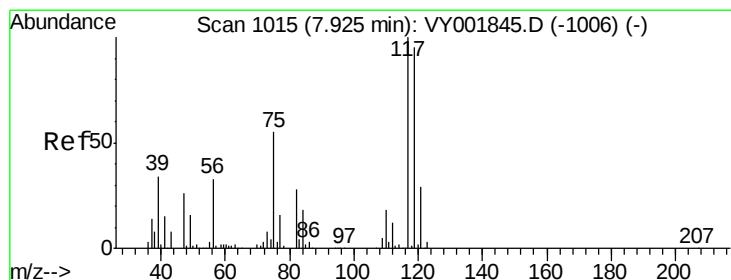
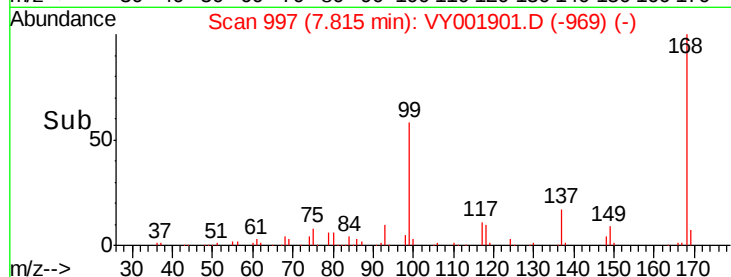
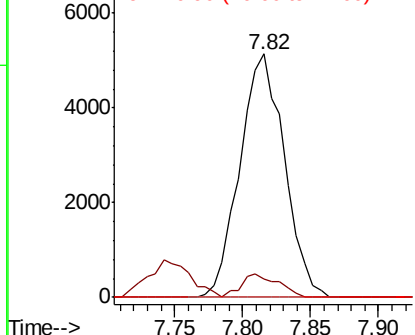
#36
 1,1-Dichloropropene
 Concen: 4.567 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001901.D
 Acq: 06 Mar 2020 16:33

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.4	52.2#
77	0.0	24.2	36.2#

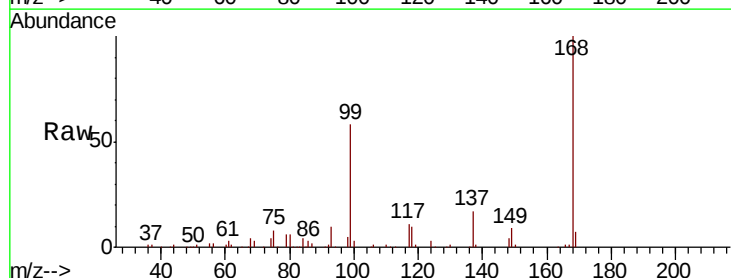


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0

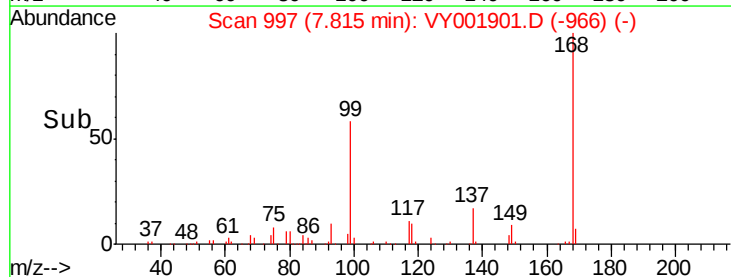
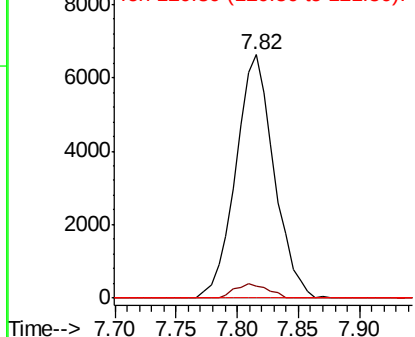


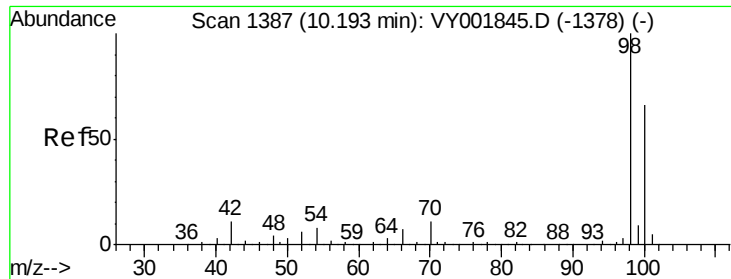
#38
 Carbon Tetrachloride
 Concen: 6.516 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001901.D
 Acq: 06 Mar 2020 16:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.3	114.5#
121	0.0	23.5	35.3#



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: 51.417 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001901.D

Acq: 06 Mar 2020 16:33

Instrument :

MSVOA_Y

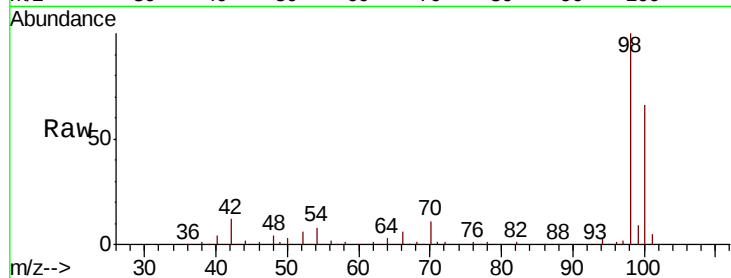
ClientSampleId :

Tot Ion: 98 Resp: 316772

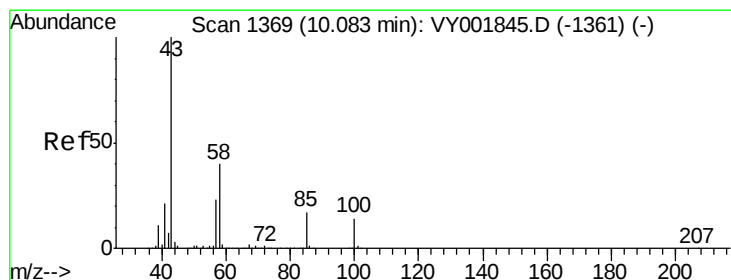
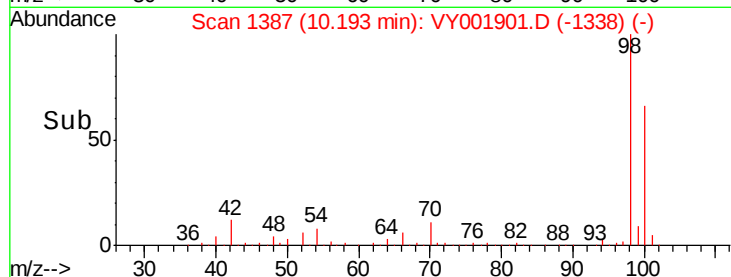
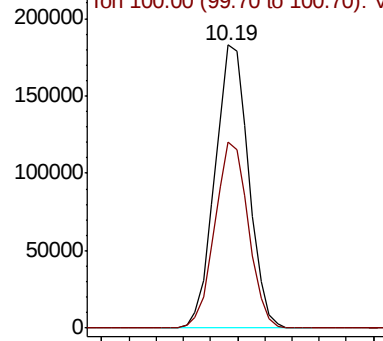
Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.070 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001901.D

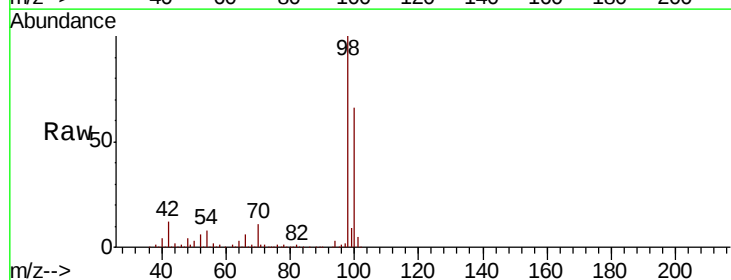
Acq: 06 Mar 2020 16:33

Tgt Ion: 43 Resp: 1561

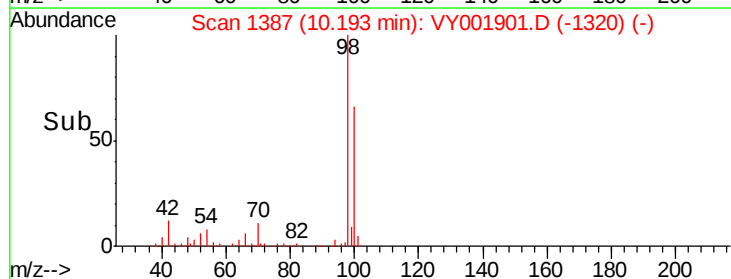
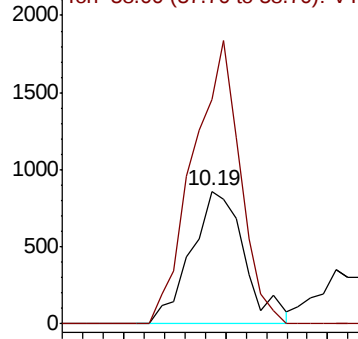
Ion Ratio Lower Upper

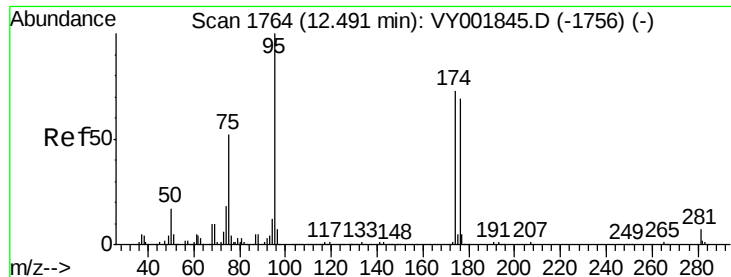
43 100

58 189.8 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)





#62

4-Bromofluorobenzene

Concen: 39.755 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY001901.D

Acq: 06 Mar 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

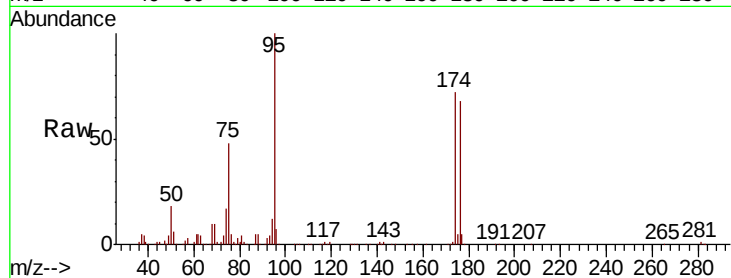
Tot Ion: 95 Resp: 85164

Ion Ratio Lower Upper

95 100

174 74.2 0.0 145.0

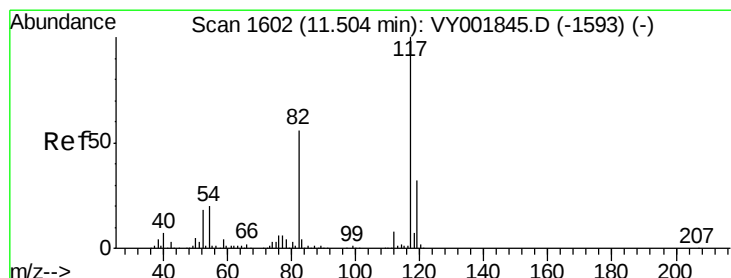
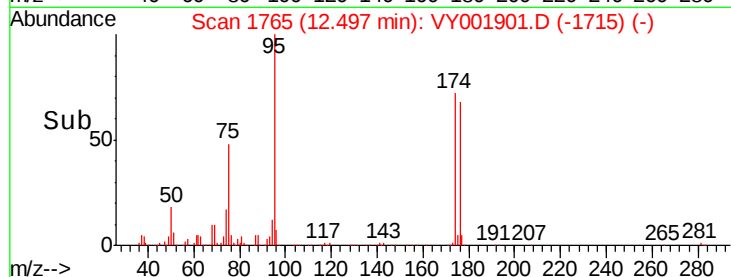
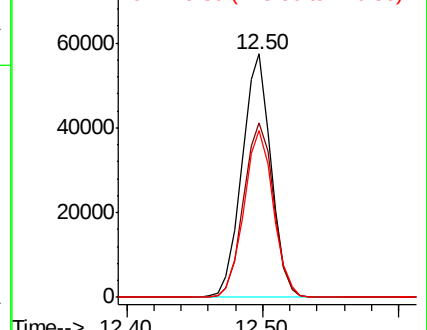
176 69.9 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001901.D

Acq: 06 Mar 2020 16:33

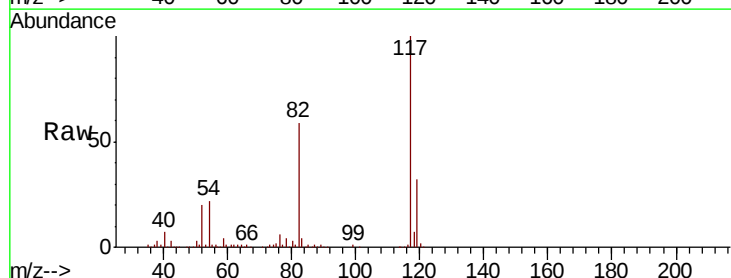
Tgt Ion: 117 Resp: 217729

Ion Ratio Lower Upper

117 100

82 59.0 44.5 66.7

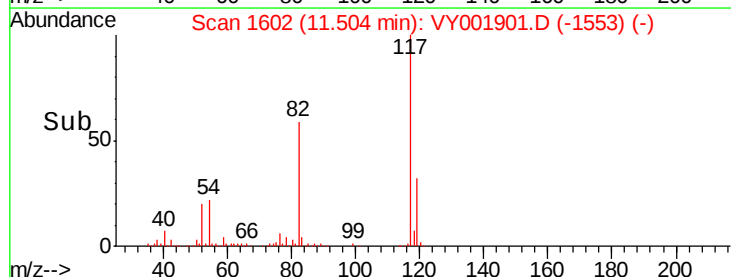
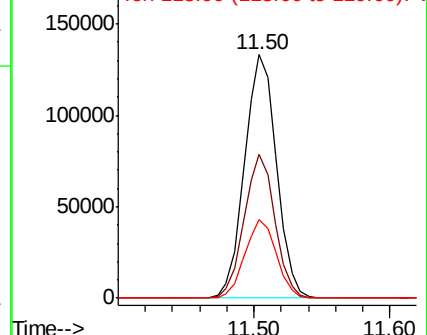
119 32.0 25.7 38.5

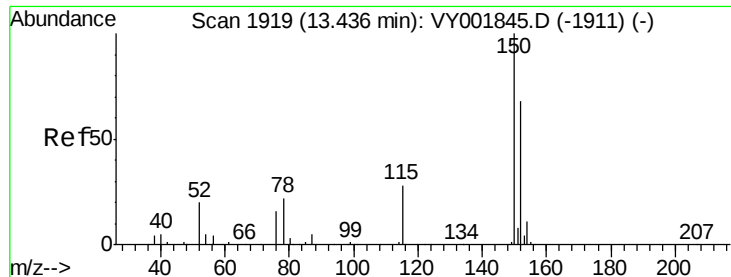


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

Ion 82.00 (81.70 to 82.70): VY001845.D (-1593) (-)

Ion 118.90 (118.60 to 119.60): VY001845.D (-1593) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1920

Delta R.T. 0.01 min

Lab File: VY001901.D

Acq: 06 Mar 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

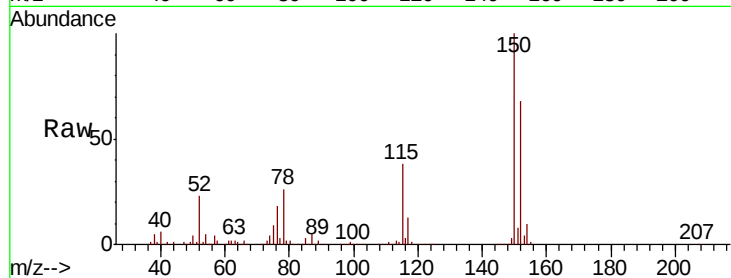
Tot Ion:152 Resp: 68123

Ion Ratio Lower Upper

152 100

115 60.6 29.9 89.7

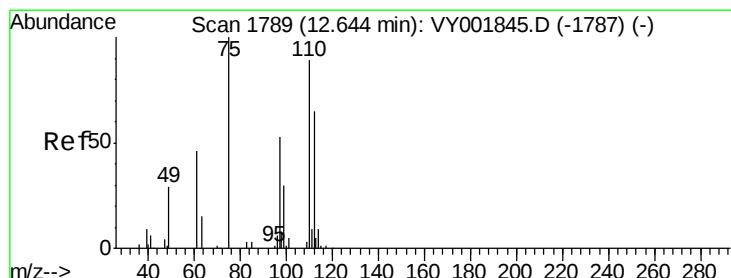
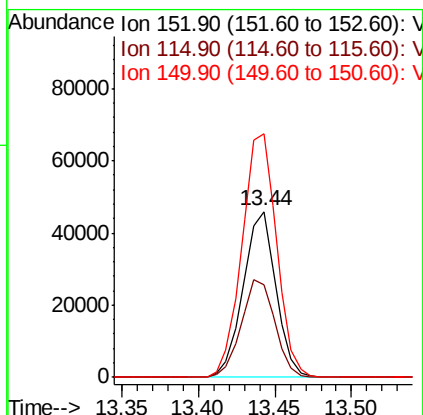
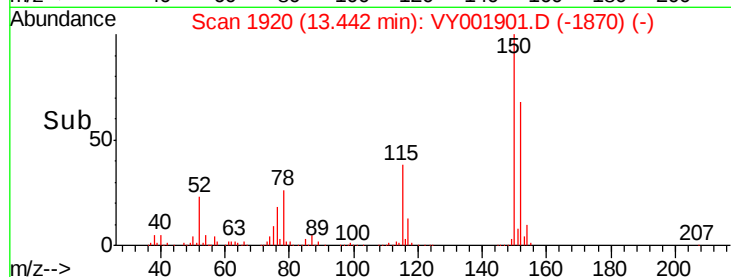
150 155.5 0.0 340.6



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: 53.142 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001901.D

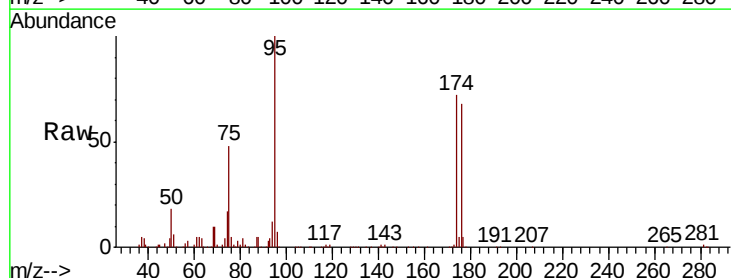
Acq: 06 Mar 2020 16:33

Tgt Ion: 75 Resp: 42956

Ion Ratio Lower Upper

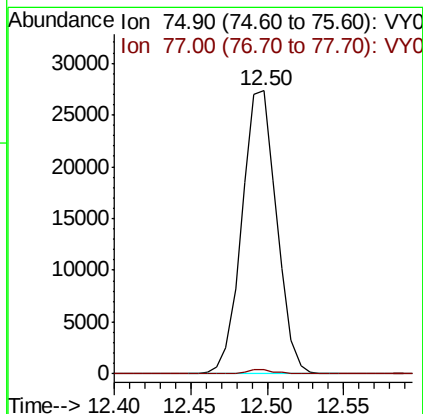
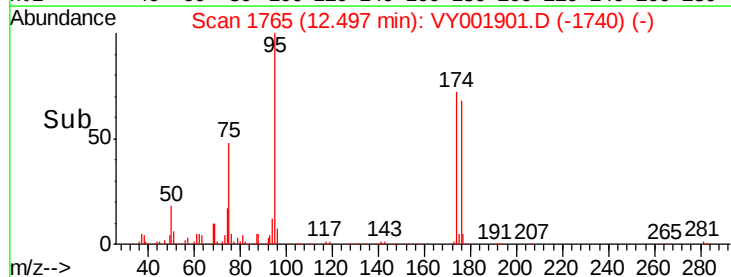
75 100

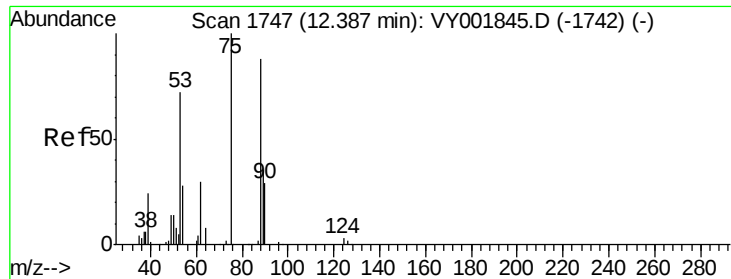
77 1.3 0.0 0.0#



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: 107.344 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001901.D

Acq: 06 Mar 2020 16:33

Instrument :

MSVOA_Y

ClientSampleId :

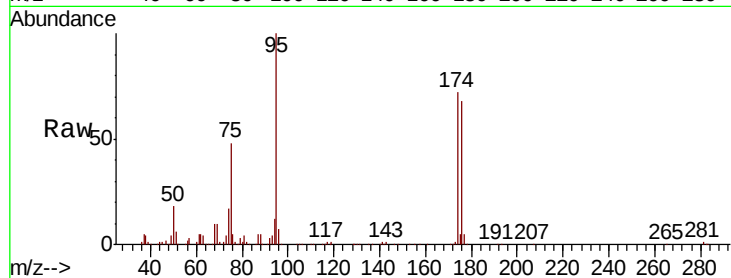
Tot Ion: 75 Resp: 42956

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

