

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002067.D
 Acq On : 25 Mar 2020 15:23
 Operator : SY/MD
 Sample : L2029-03
 Misc : 7.99G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:35:34 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	138582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	267217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	247536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	109901	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	84707	57.26	ug/l	0.00
Spiked Amount			Recovery	=	114.52%	
35) Dibromofluoromethane	7.75	113	77731	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
50) Toluene-d8	10.19	98	326772	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
62) 4-Bromofluorobenzene	12.50	95	113148	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	

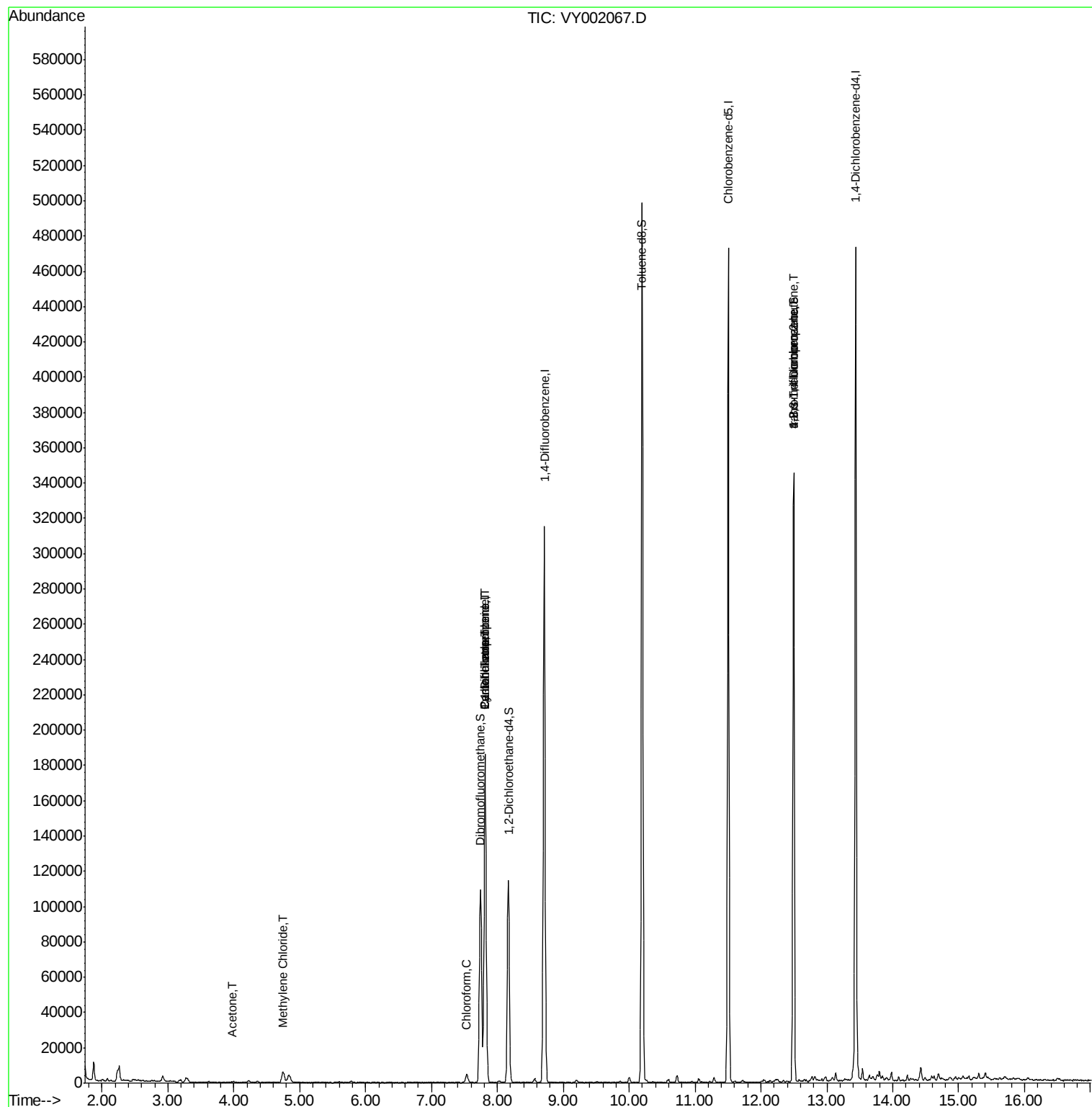
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	59	Below Cal	#	74
16) Acetone	3.97	43	551	1.279	ug/l #	85
20) Methylene Chloride	4.74	84	4160	2.253	ug/l	95
30) Chloroform	7.53	83	4967	1.744	ug/l	91
31) Cyclohexane	7.82	56	3443	1.059	ug/l #	2
36) 1,1-Dichloropropene	7.82	75	11617	4.518	ug/l #	50
38) Carbon Tetrachloride	7.82	117	14246	6.485	ug/l #	15
76) 1,2,3-Trichloropropane	12.50	75	58426	44.804	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	58426	90.501	ug/l #	17

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002067.D

Acq: 25 Mar 2020 15:23

Instrument :

MSVOA_Y

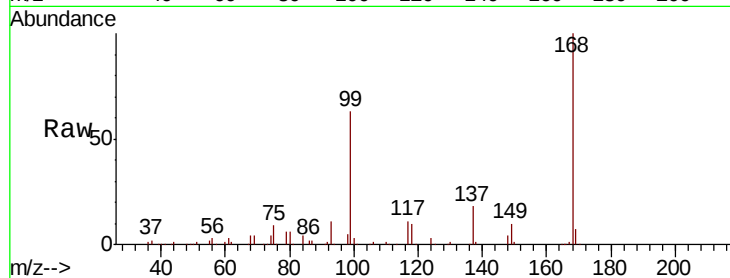
ClientSampleId :

Tot Ion:168 Resp: 138582

Ion Ratio Lower Upper

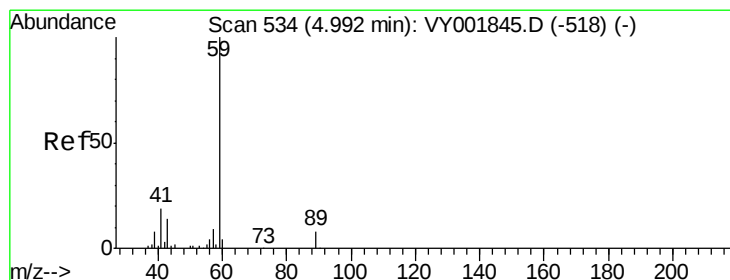
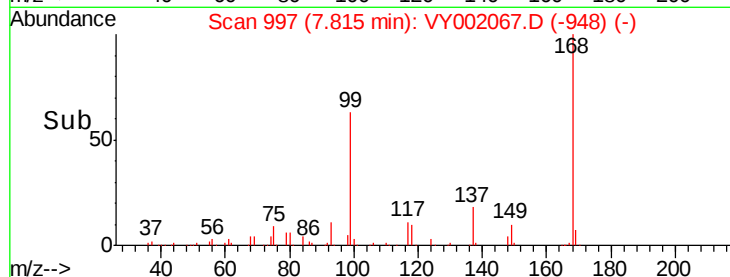
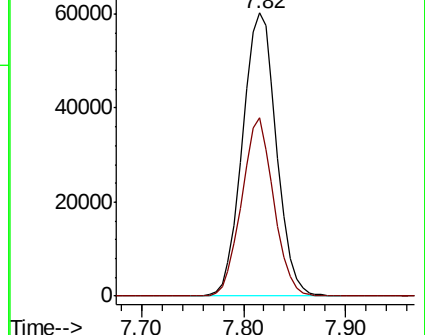
168 100

99 62.9 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) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 535

Delta R.T. 0.01 min

Lab File: VY002067.D

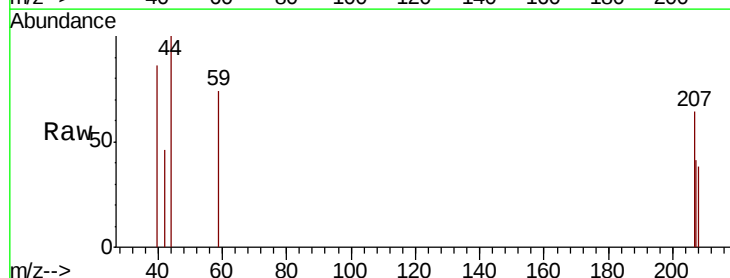
Acq: 25 Mar 2020 15:23

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

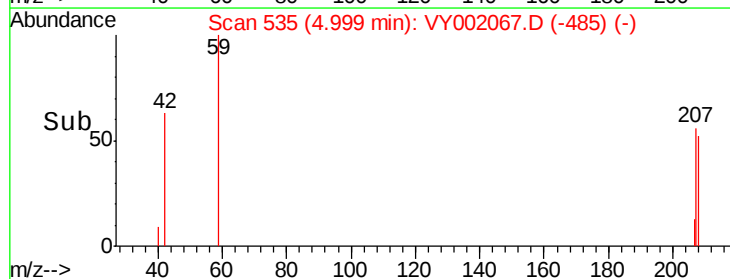
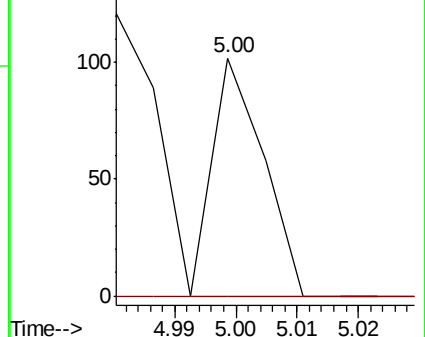
59 100

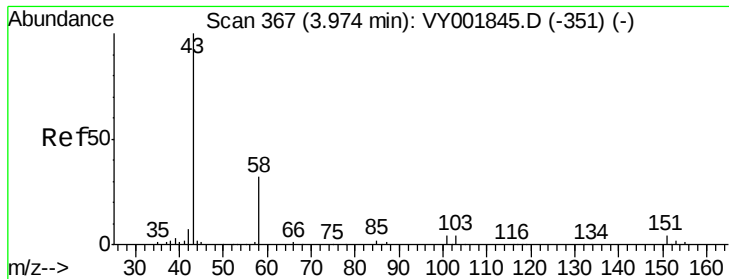
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)





#16

Acetone

Concen: 1.279 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY002067.D

Acq: 25 Mar 2020 15:23

Instrument :

MSVOA_Y

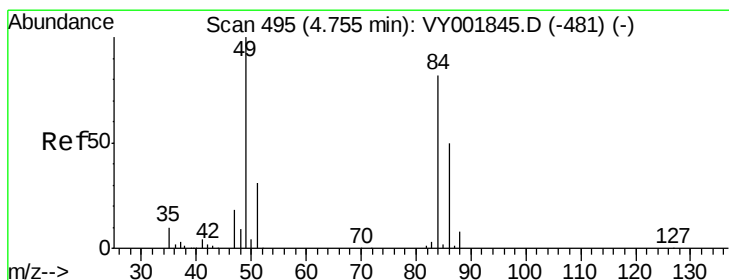
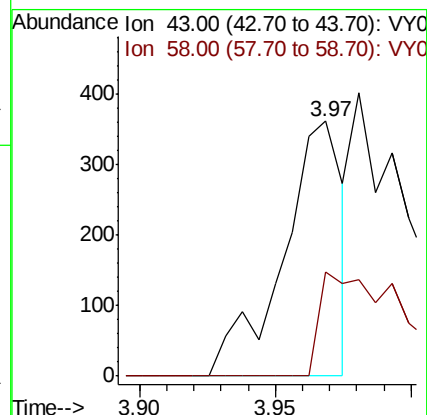
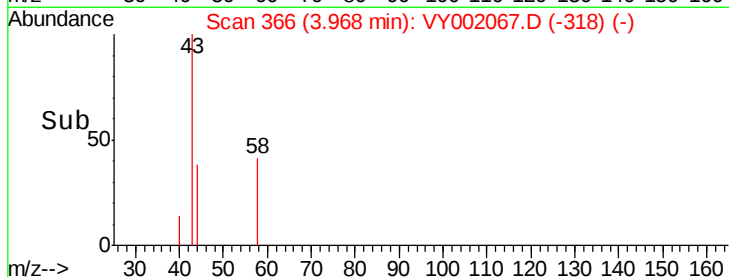
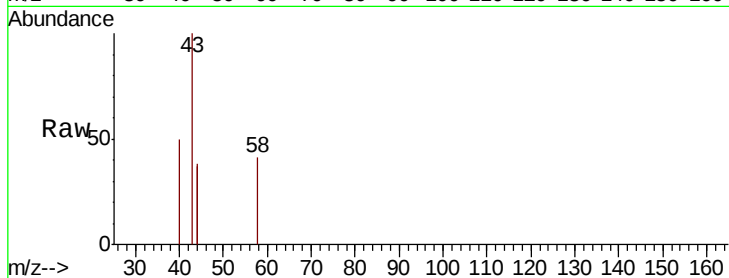
ClientSampleId :

Tot Ion: 43 Resp: 551

Ion Ratio Lower Upper

43 100

58 41.0 25.9 38.9#



#20

Methylene Chloride

Concen: 2.253 ug/l

RT: 4.74 min Scan# 493

Delta R.T. -0.01 min

Lab File: VY002067.D

Acq: 25 Mar 2020 15:23

Tgt Ion: 84 Resp: 4160

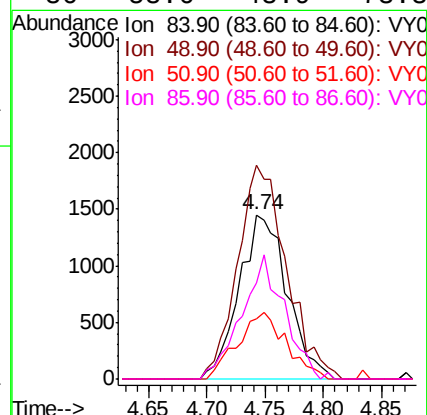
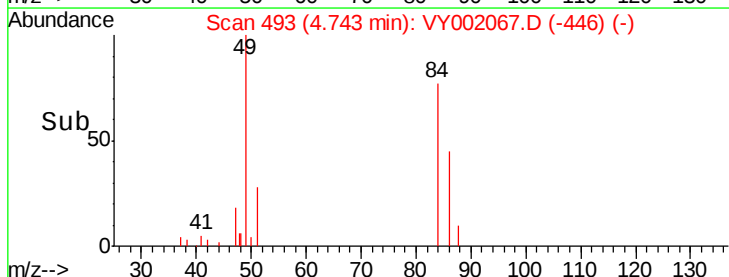
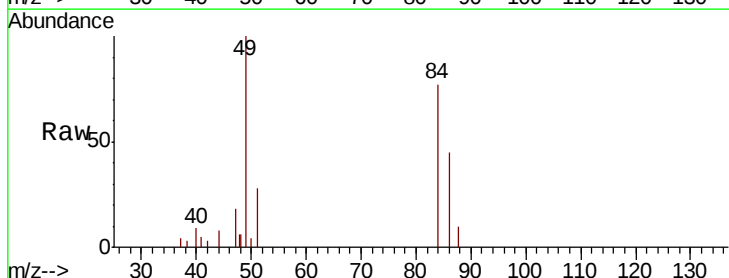
Ion Ratio Lower Upper

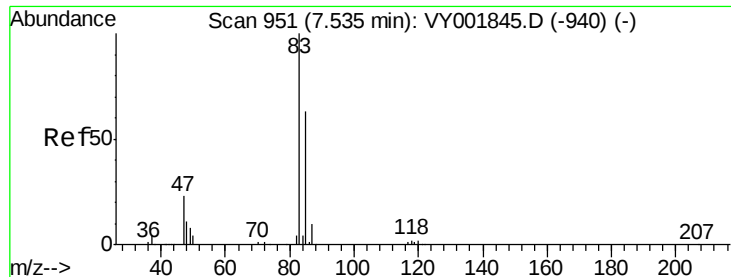
84 100

49 129.9 98.2 147.2

51 36.9 30.2 45.2

86 58.6 48.9 73.3

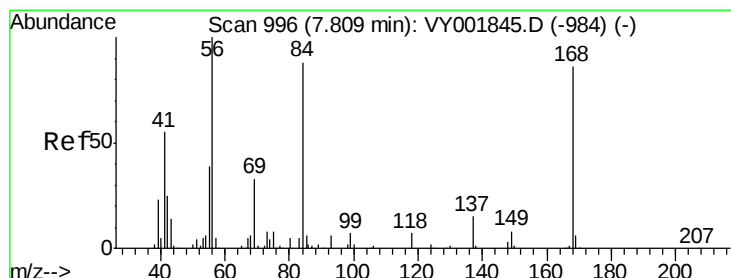
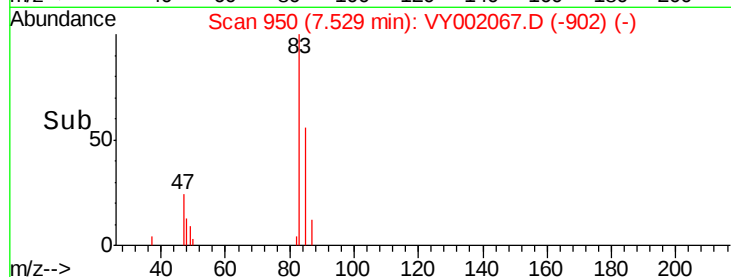
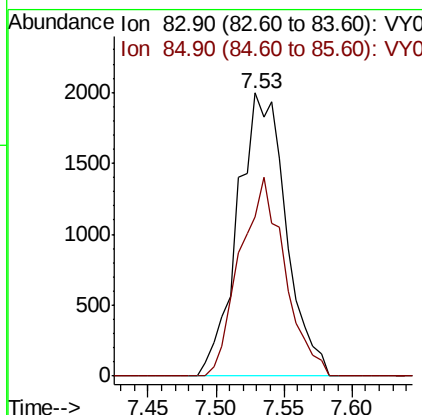
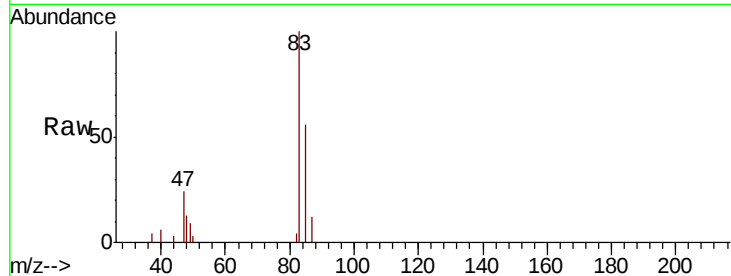




#30
Chloroform
Concen: 1.744 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY002067.D
Acq: 25 Mar 2020 15:23

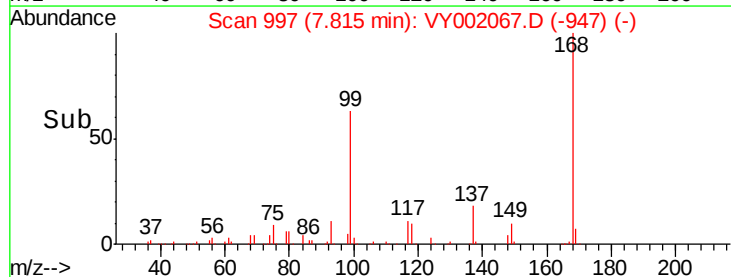
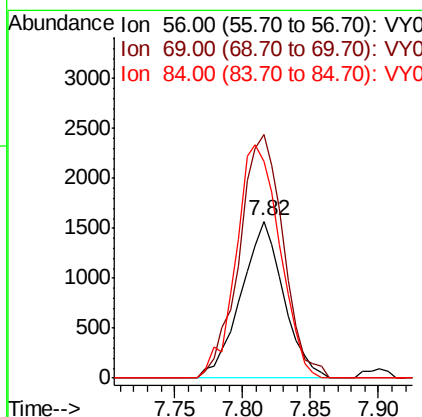
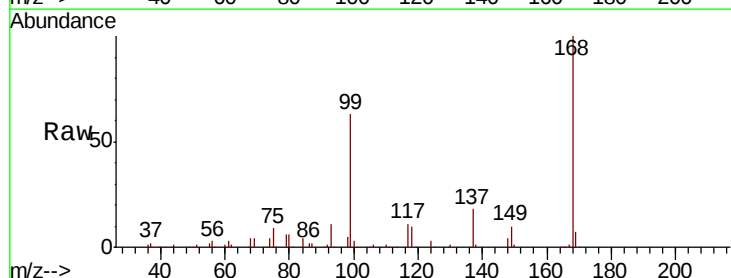
Instrument :
MSVOA_Y
ClientSampleId :

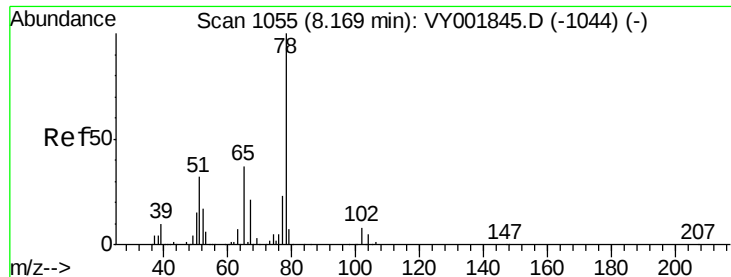
Tot Ion: 83 Resp: 4967
Ion Ratio Lower Upper
83 100
85 56.4 50.7 76.1



#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002067.D
Acq: 25 Mar 2020 15:23

Tgt Ion: 56 Resp: 3443
Ion Ratio Lower Upper
56 100
69 155.4 26.7 40.1#
84 138.2 70.4 105.6#

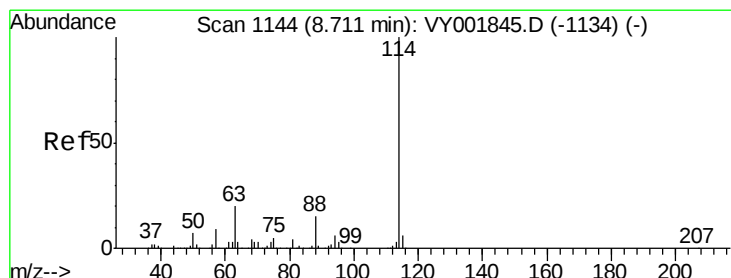
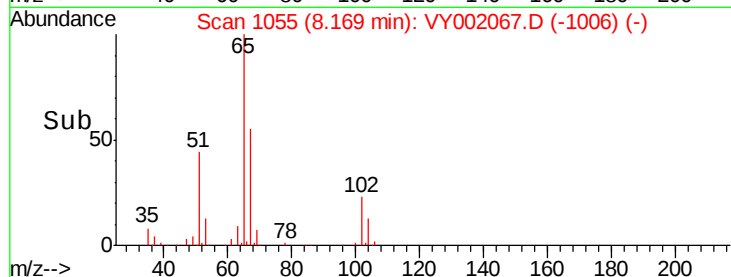
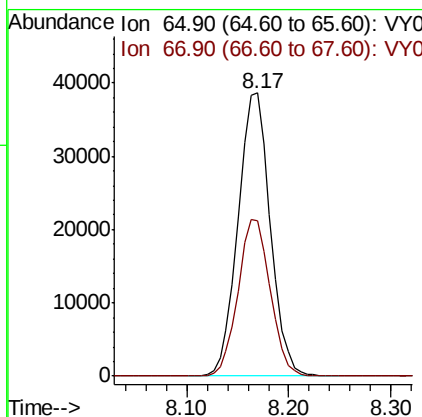
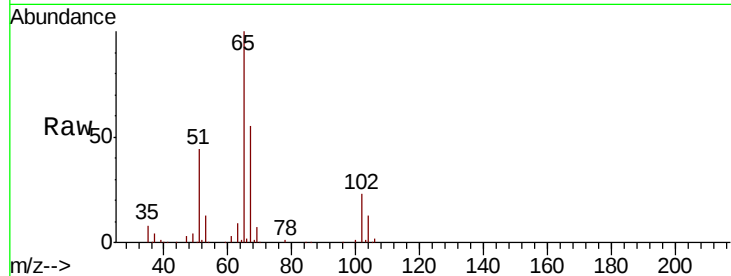




#33
 1,2-Dichloroethane-d4
 Concen: 57.256 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY002067.D
 Acq: 25 Mar 2020 15:23

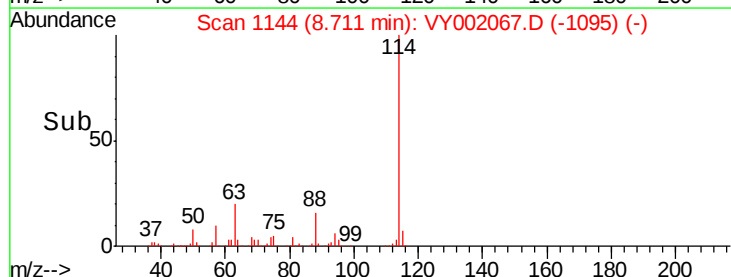
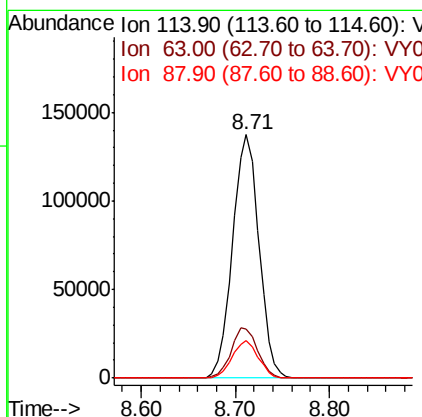
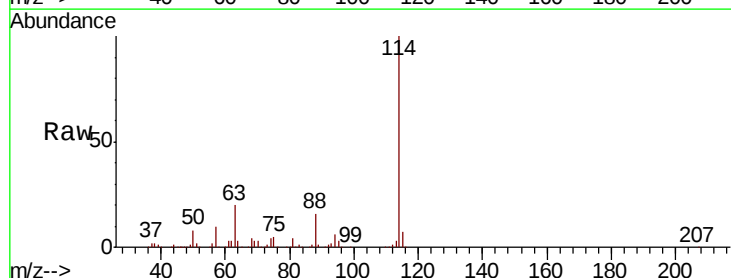
Instrument :
 MSVOA_Y
 ClientSampleId :

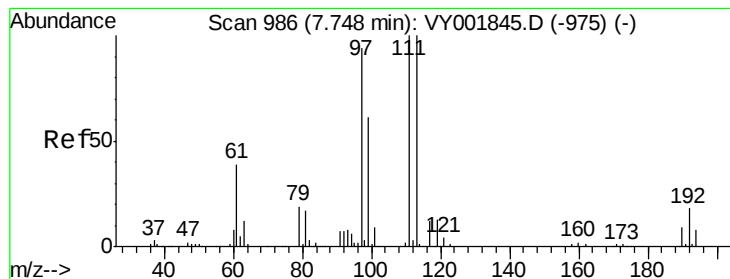
Tot Ion: 65 Resp: 84707
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY002067.D
 Acq: 25 Mar 2020 15:23

Tgt Ion: 114 Resp: 267217
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.272 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002067.D

Acq: 25 Mar 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

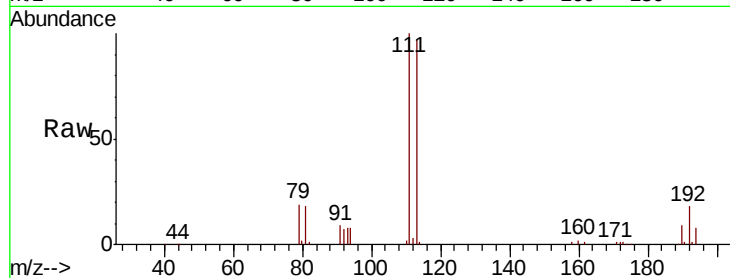
Tot Ion:113 Resp: 77731

Ion Ratio Lower Upper

113 100

111 104.4 81.8 122.8

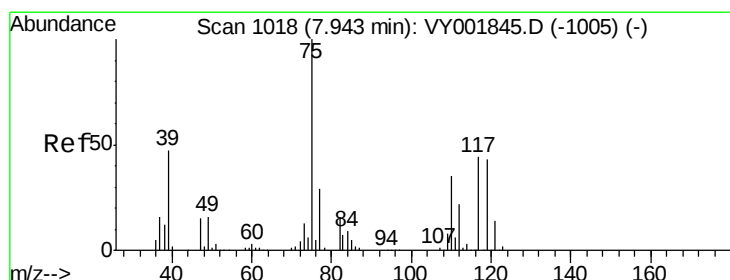
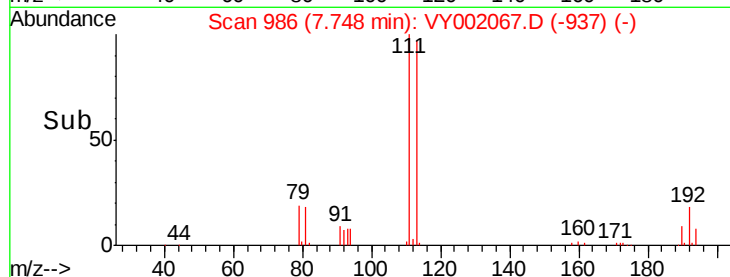
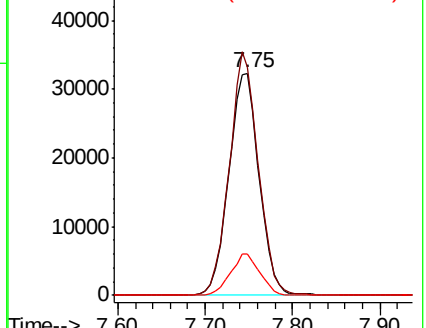
192 18.1 14.2 21.2



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: 4.518 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY002067.D

Acq: 25 Mar 2020 15:23

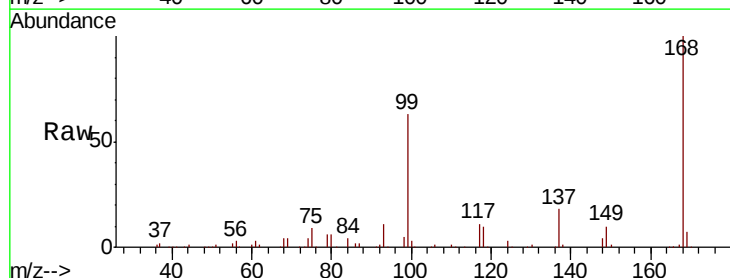
Tgt Ion: 75 Resp: 11617

Ion Ratio Lower Upper

75 100

110 9.0 17.4 52.2#

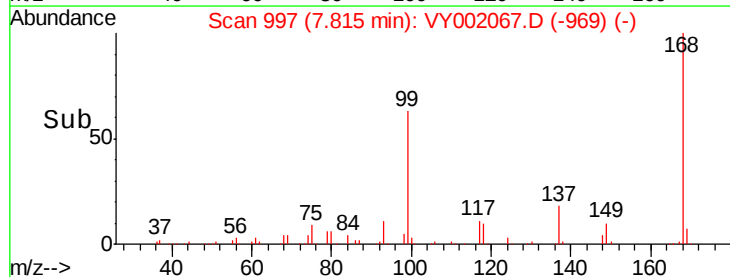
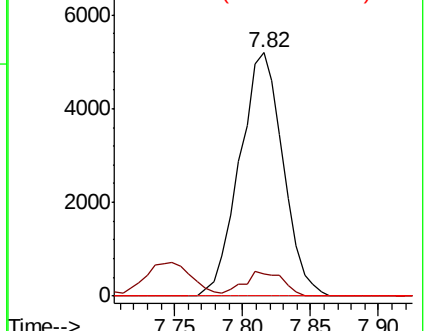
77 0.0 24.2 36.2#

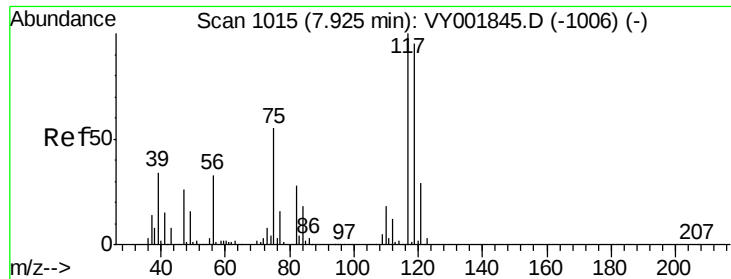


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

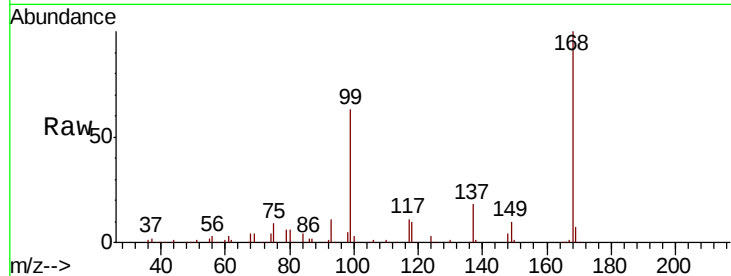




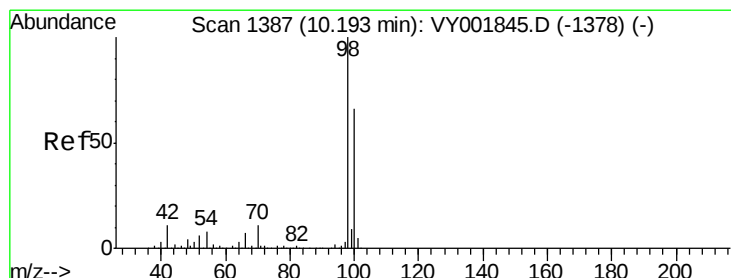
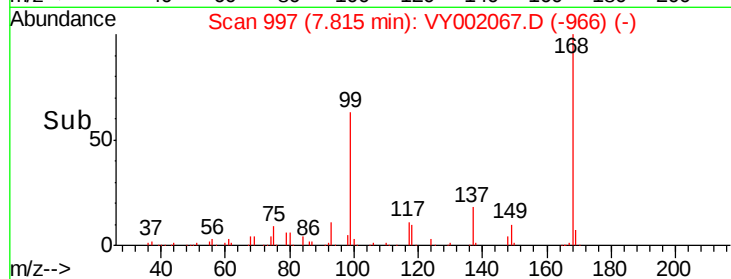
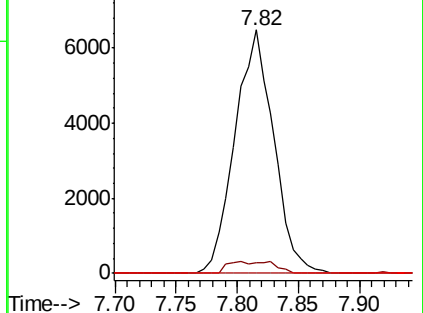
#38
Carbon Tetrachloride
Concen: 6.485 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY002067.D
Acq: 25 Mar 2020 15:23

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 14246
Ion Ratio Lower Upper
117 100
119 4.1 76.3 114.5#
121 0.0 23.5 35.3#

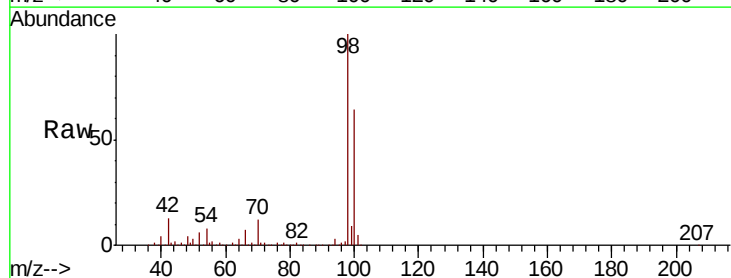


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

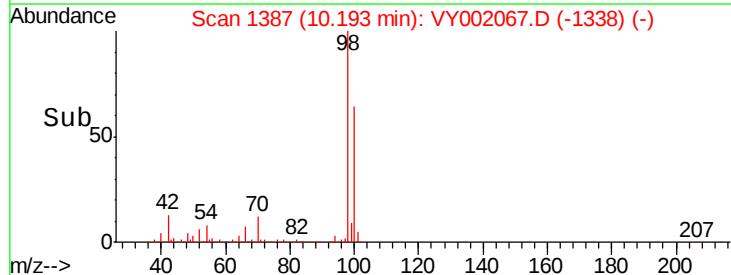
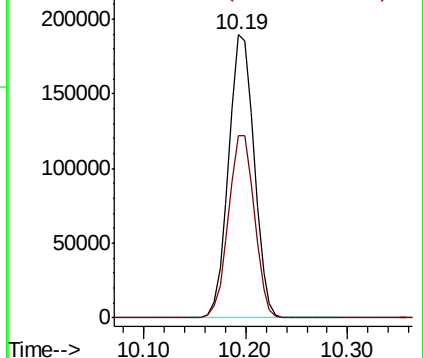


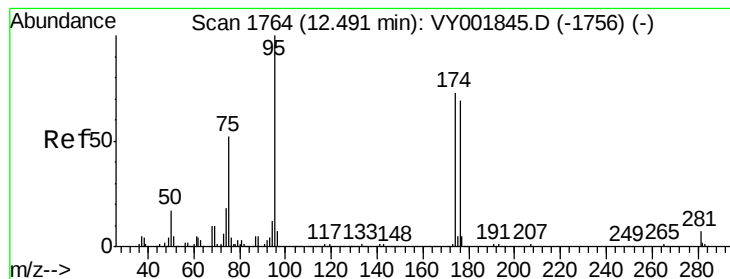
#50
Toluene-d8
Concen: 53.109 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY002067.D
Acq: 25 Mar 2020 15:23

Tgt Ion: 98 Resp: 326772
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



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





#62

4-Bromofluorobenzene

Concen: 52.887 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.01 min

Lab File: VY002067.D

Acq: 25 Mar 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

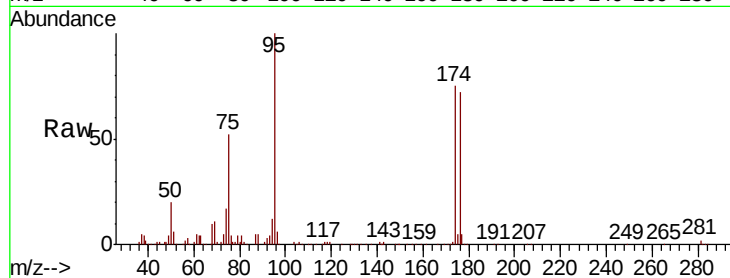
Tot Ion: 95 Resp: 113148

Ion Ratio Lower Upper

95 100

174 71.9 0.0 145.0

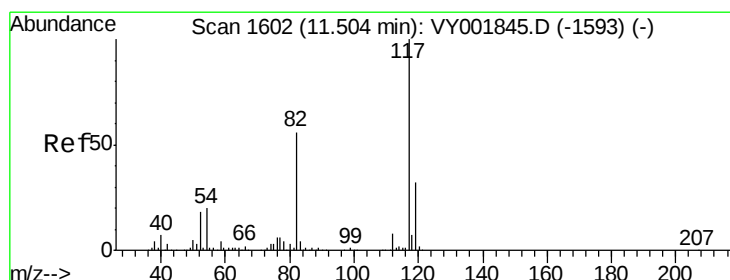
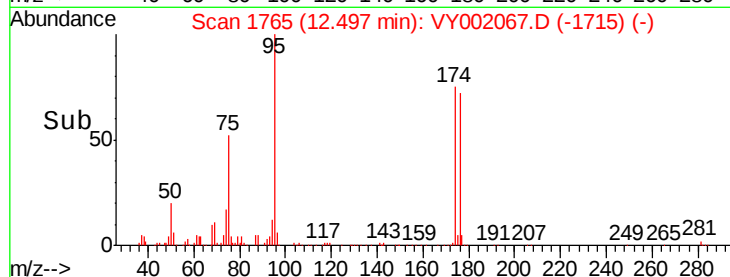
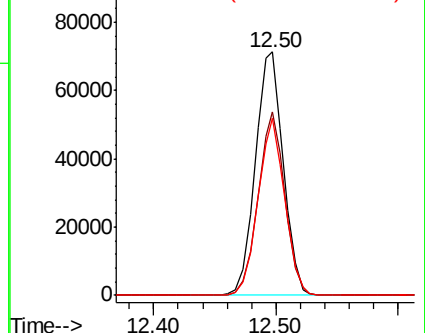
176 69.7 0.0 137.4



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: VY002067.D

Acq: 25 Mar 2020 15:23

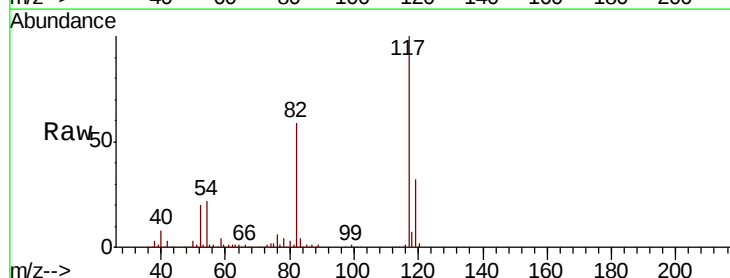
Tgt Ion: 117 Resp: 247536

Ion Ratio Lower Upper

117 100

82 58.7 44.5 66.7

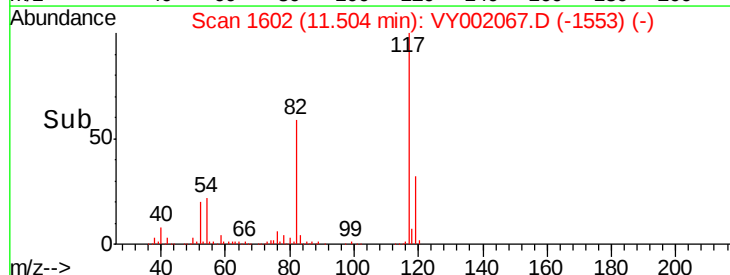
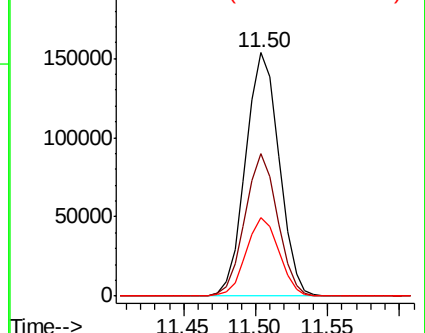
119 32.0 25.7 38.5

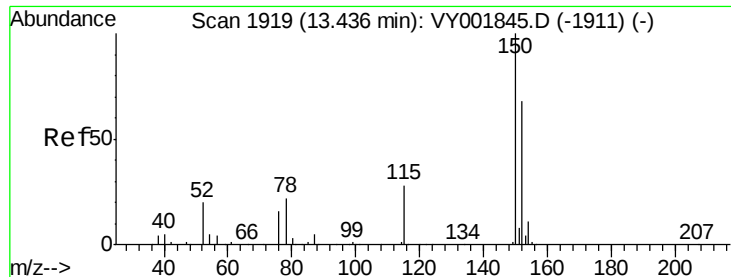


Abundance Ion 116.90 (116.60 to 117.60): VY001845.D (-1593) (-)

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# 1919

Delta R.T. 0.00 min

Lab File: VY002067.D

Acq: 25 Mar 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

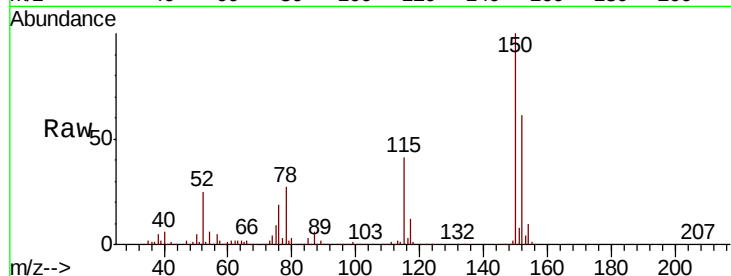
Tot Ion:152 Resp: 109901

Ion Ratio Lower Upper

152 100

115 63.0 29.9 89.7

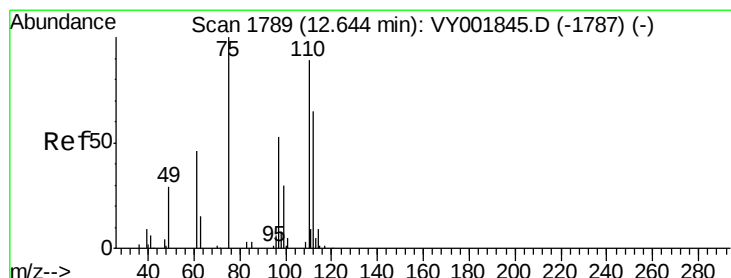
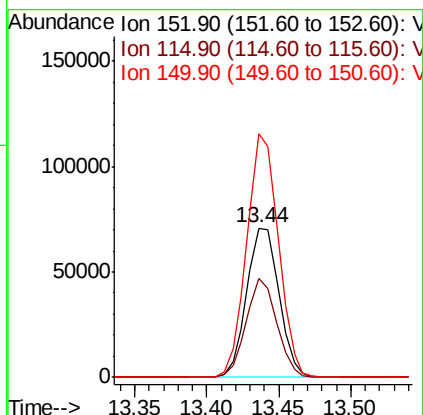
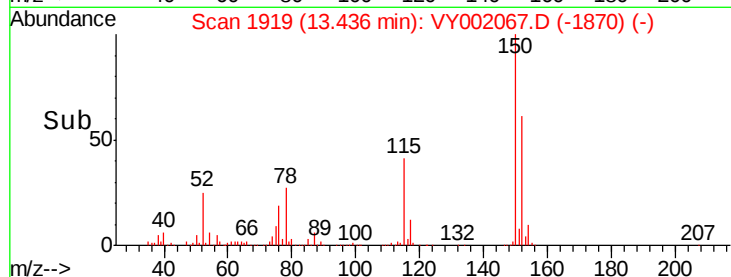
150 159.6 0.0 340.6



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: 44.804 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY002067.D

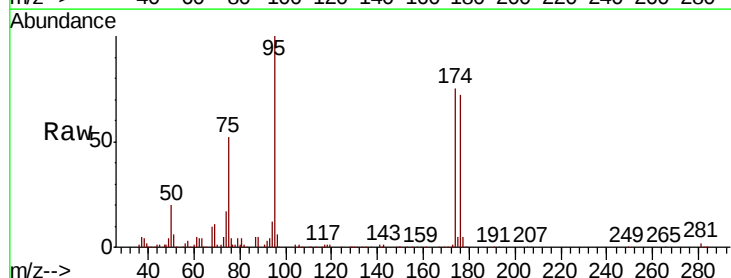
Acq: 25 Mar 2020 15:23

Tgt Ion: 75 Resp: 58426

Ion Ratio Lower Upper

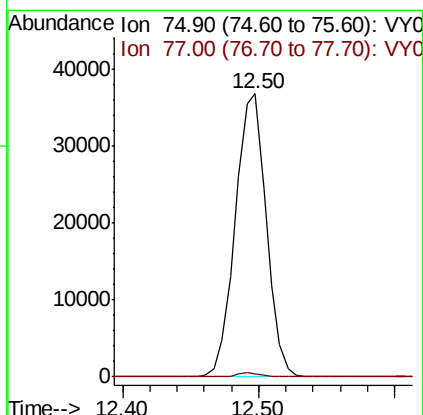
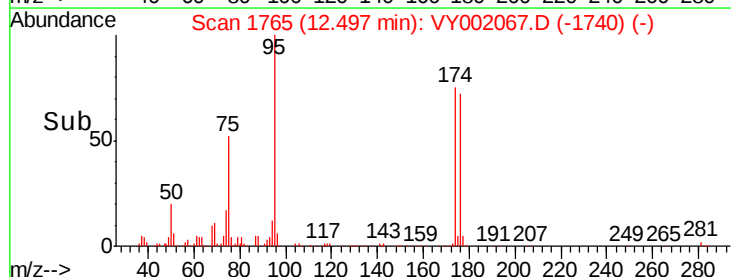
75 100

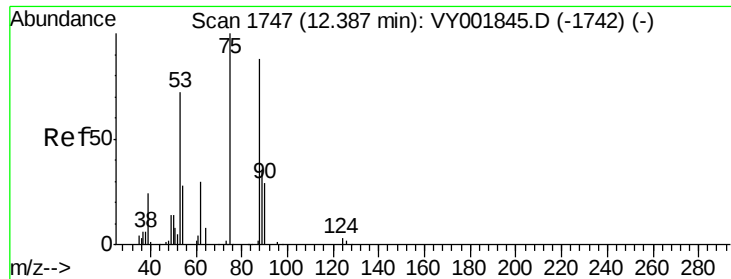
77 1.4 0.0 0.0#



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: 90.501 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY002067.D

Acq: 25 Mar 2020 15:23

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 58426

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

