

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001749.D
 Acq On : 21 Feb 2020 17:40
 Operator : SY/MD
 Sample : L1635-19
 Misc : 5.61G/5ML/MSVOA Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 22 03:44:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

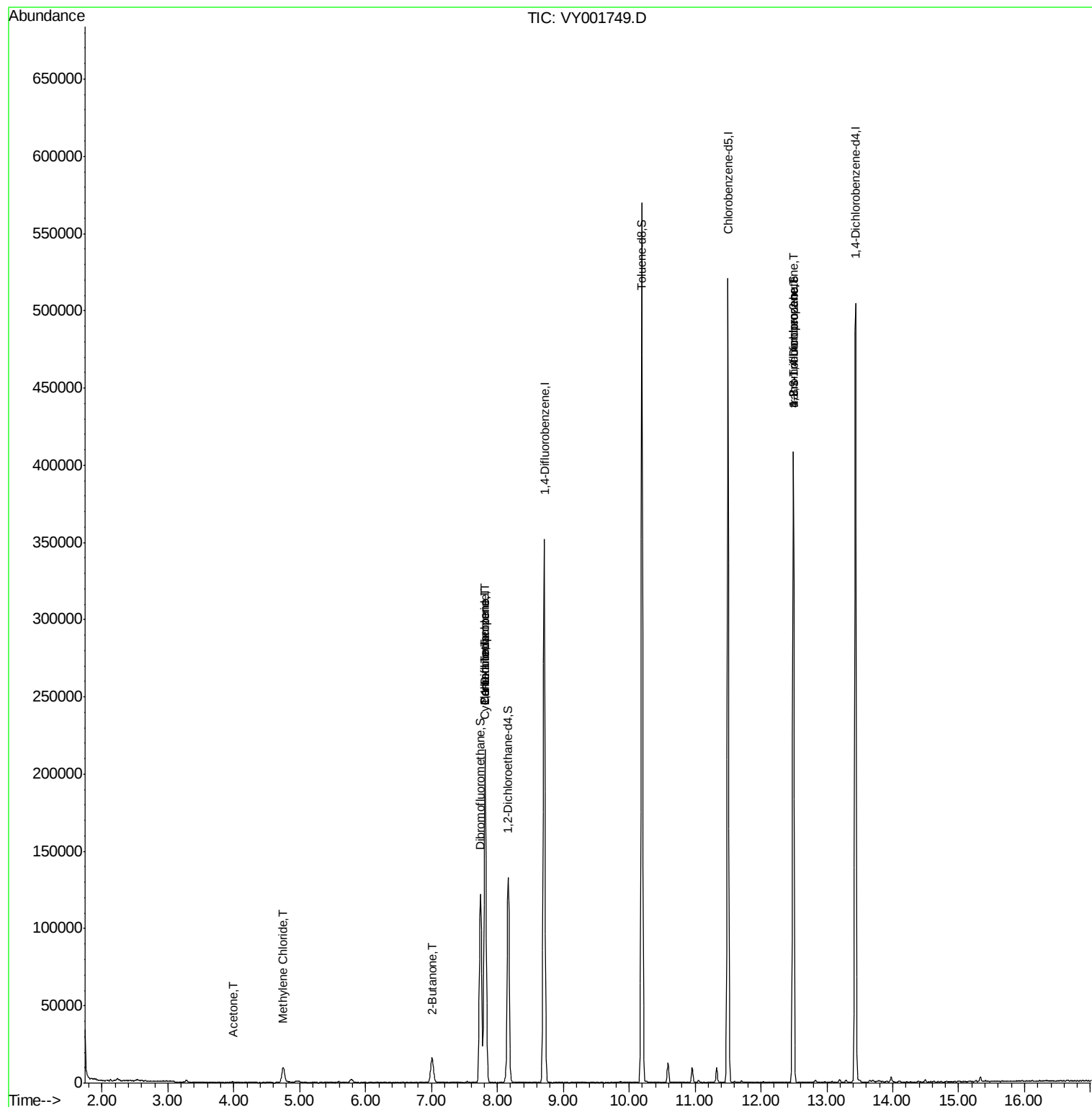
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	163346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	301495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	278911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	122731	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	100086	56.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.92%	
35) Dibromofluoromethane	7.74	113	88540	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	
50) Toluene-d8	10.19	98	366592	54.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.38%	
62) 4-Bromofluorobenzene	12.49	95	129264	49.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.36%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.94	59	707	Below Cal	#	74
16) Acetone	3.99	43	1144	1.882	ug/l #	81
20) Methylene Chloride	4.75	84	6823	3.160	ug/l	93
25) 2-Butanone	7.02	43	961	1.164	ug/l #	80
31) Cyclohexane	7.80	56	3729	1.010	ug/l #	16
36) 1,1-Dichloropropene	7.82	75	13985	4.856	ug/l #	50
38) Carbon Tetrachloride	7.82	117	16527	6.534	ug/l #	17
76) 1,2,3-Trichloropropane	12.49	75	66691	47.370	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	66691	89.868	ug/l #	17

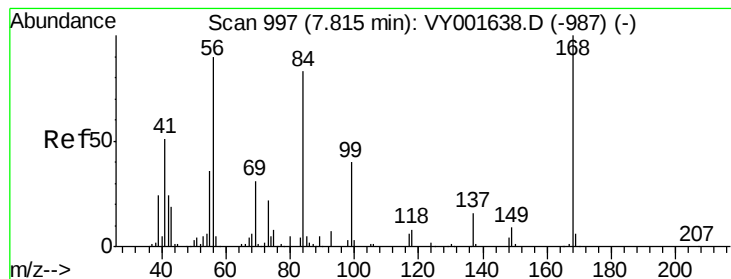
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001749.D

Acq: 21 Feb 2020 17:40

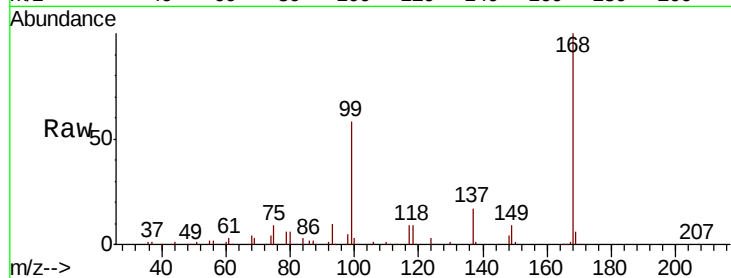
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 163346

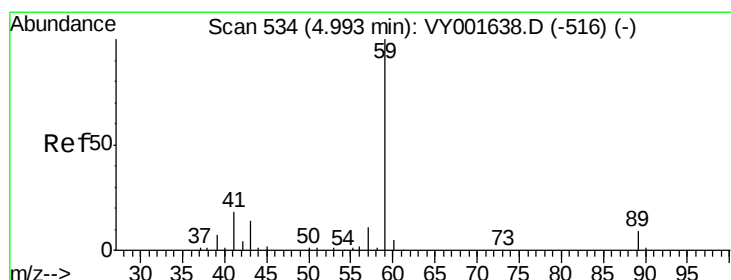
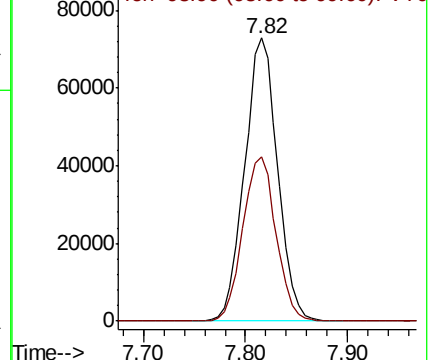
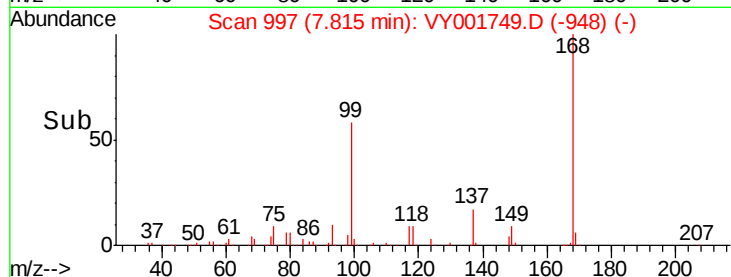
Ion Ratio Lower Upper

168 100

99 58.0 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001749.D (-948) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.94 min Scan# 526

Delta R.T. -0.05 min

Lab File: VY001749.D

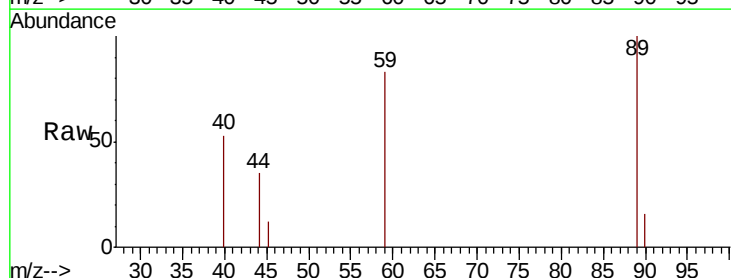
Acq: 21 Feb 2020 17:40

Tgt Ion: 59 Resp: 707

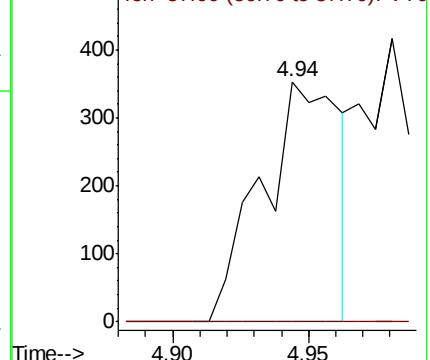
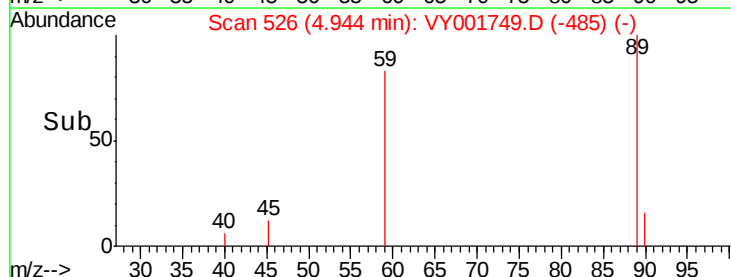
Ion Ratio Lower Upper

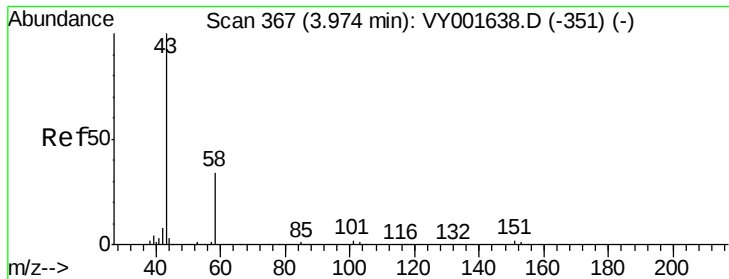
59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001749.D (-485) (-)





#16

Acetone

Concen: 1.882 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001749.D

Acq: 21 Feb 2020 17:40

Instrument :

MSVOA_Y

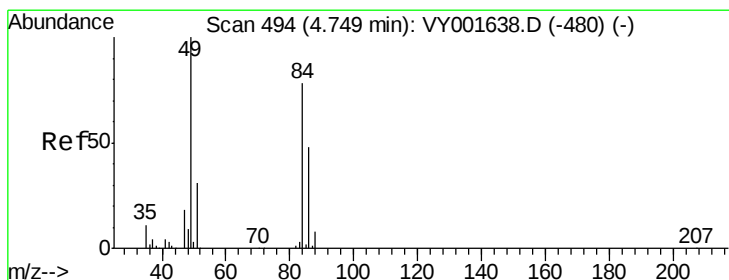
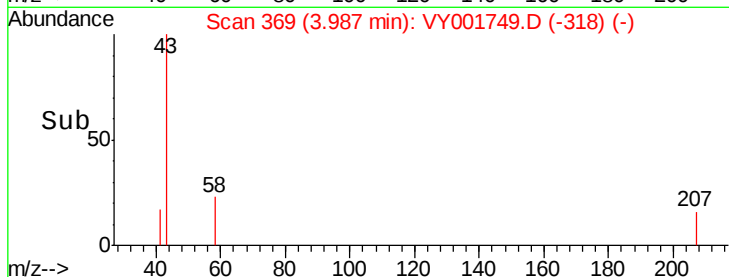
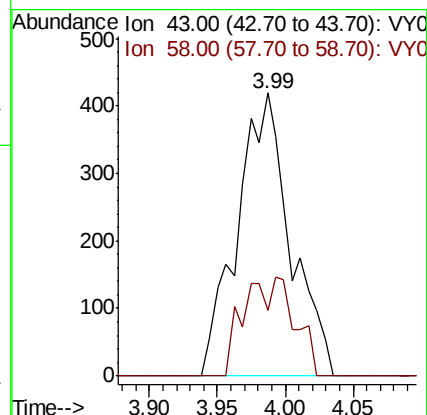
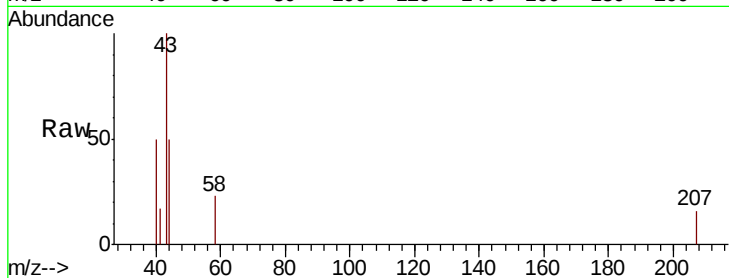
ClientSampleId :

Tot Ion: 43 Resp: 1144

Ion Ratio Lower Upper

43 100

58 23.4 27.3 40.9#



#20

Methylene Chloride

Concen: 3.160 ug/l

RT: 4.75 min Scan# 494

Delta R.T. 0.00 min

Lab File: VY001749.D

Acq: 21 Feb 2020 17:40

Tgt Ion: 84 Resp: 6823

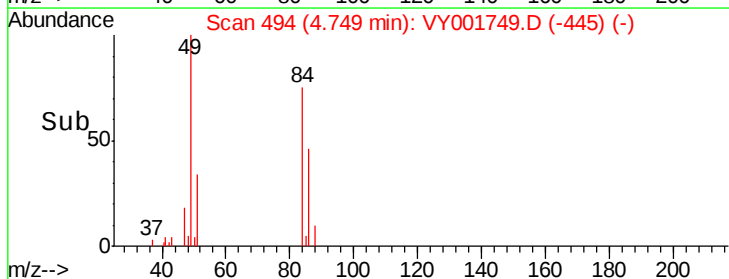
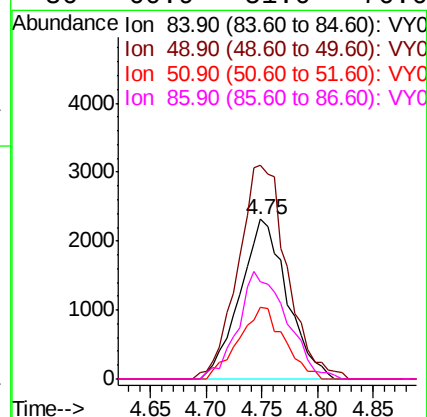
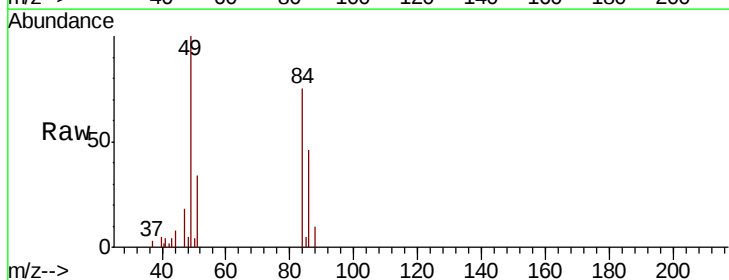
Ion Ratio Lower Upper

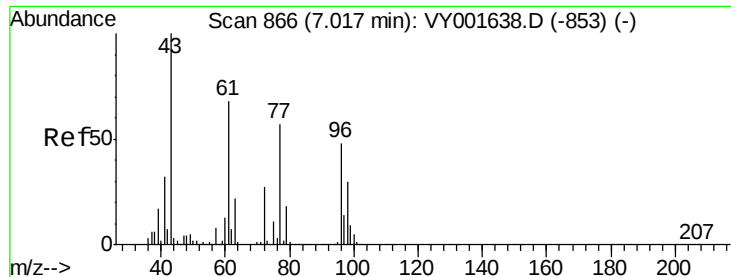
84 100

49 133.6 99.2 148.8

51 45.0 31.5 47.3

86 60.9 51.0 76.6





#25

2-Butanone

Concen: 1.164 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY001749.D

Acq: 21 Feb 2020 17:40

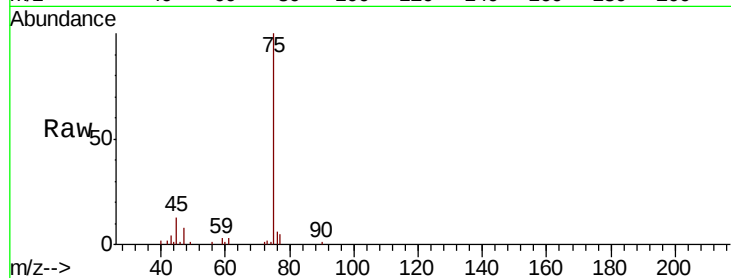
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 961

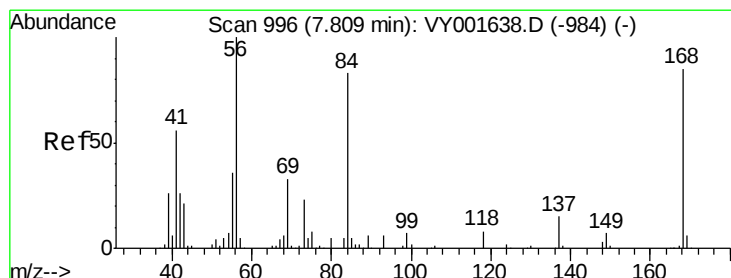
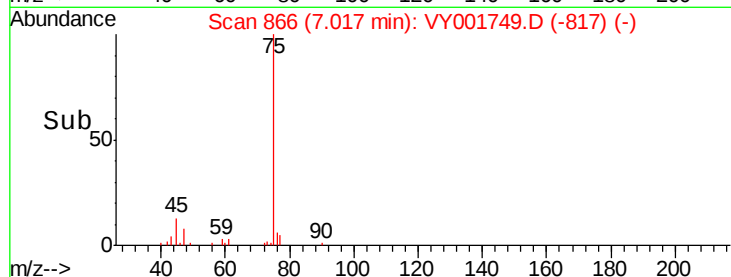
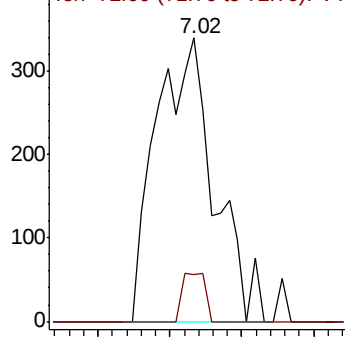
Ion Ratio Lower Upper

43 100

72 16.5 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.010 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001749.D

Acq: 21 Feb 2020 17:40

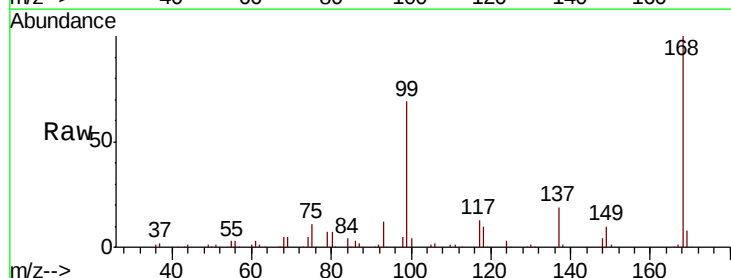
Tgt Ion: 56 Resp: 3729

Ion Ratio Lower Upper

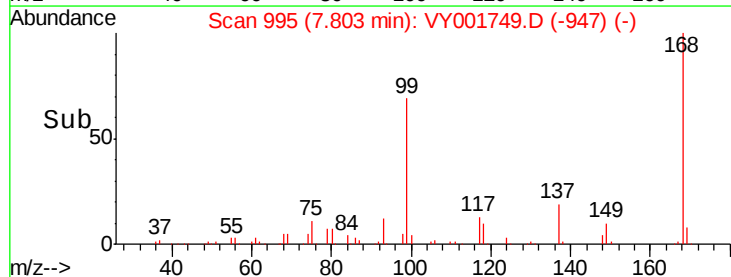
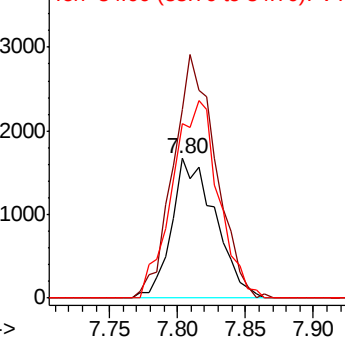
56 100

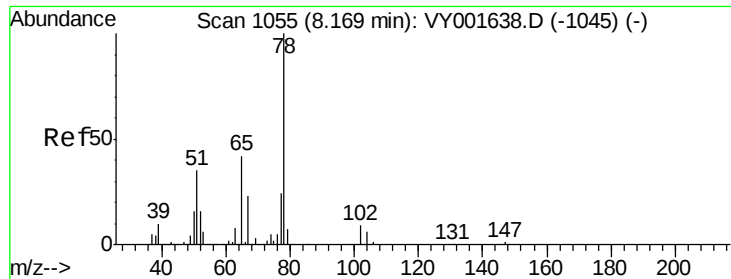
69 134.8 25.1 37.7#

84 124.6 66.9 100.3#



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

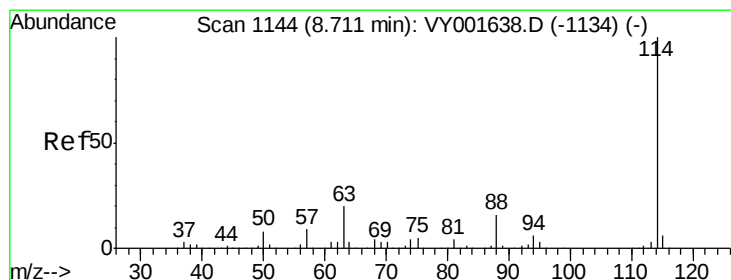
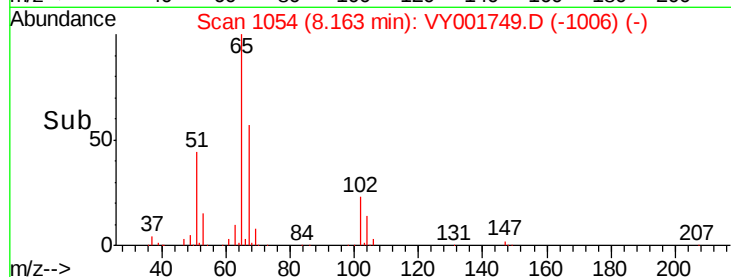
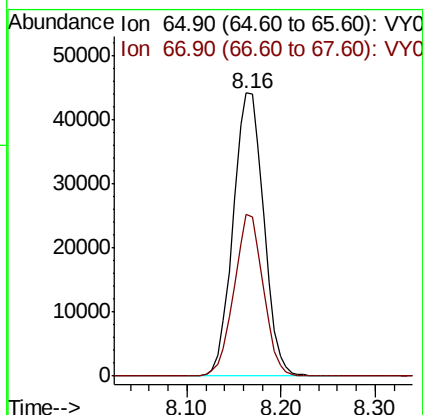
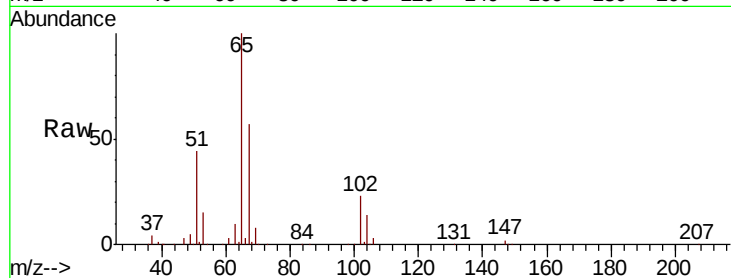




#33
 1,2-Dichloroethane-d4
 Concen: 56.963 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY001749.D
 Acq: 21 Feb 2020 17:40

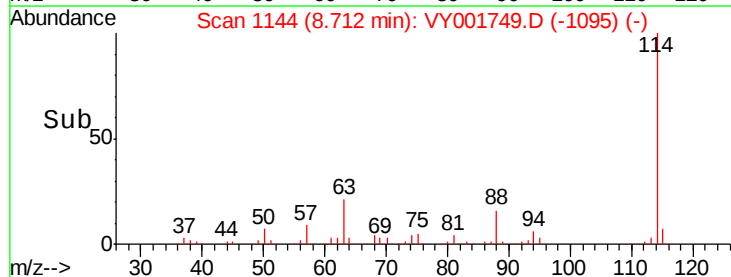
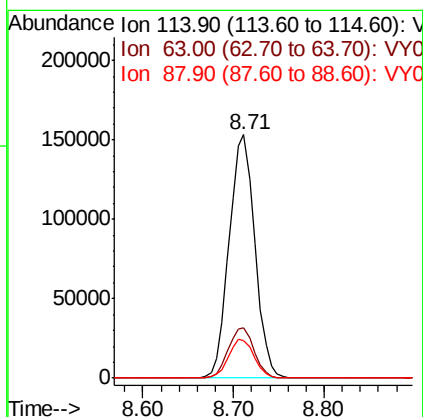
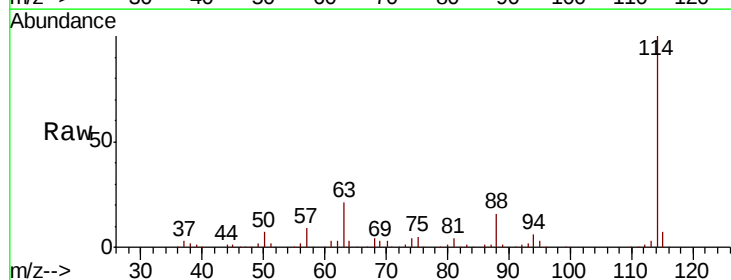
Instrument :
 MSVOA_Y
 ClientSampleId :

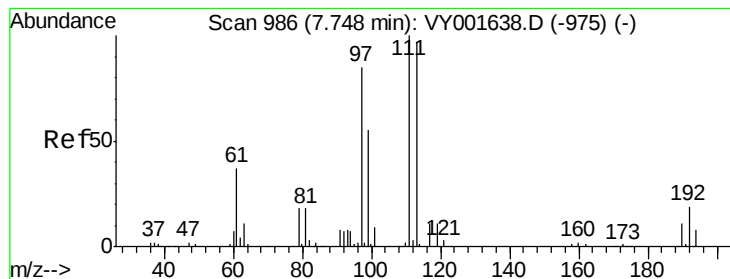
Tot Ion: 65 Resp: 100086
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001749.D
 Acq: 21 Feb 2020 17:40

Tgt Ion: 114 Resp: 301495
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.4
 88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.273 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001749.D

Acq: 21 Feb 2020 17:40

Instrument :
MSVOA_Y
ClientSampled :

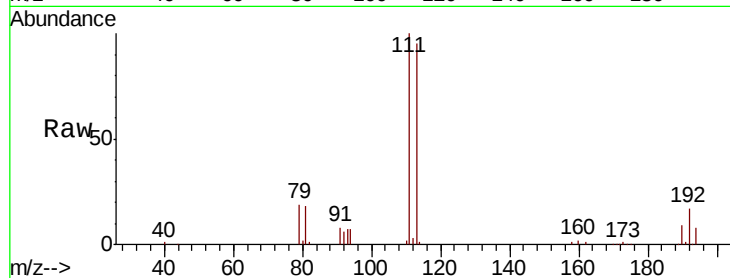
Tot Ion:113 Resp: 88540

Ion Ratio Lower Upper

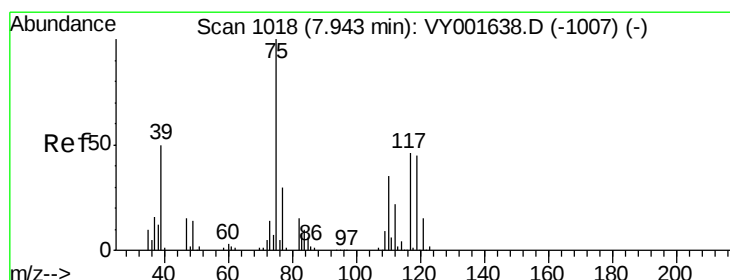
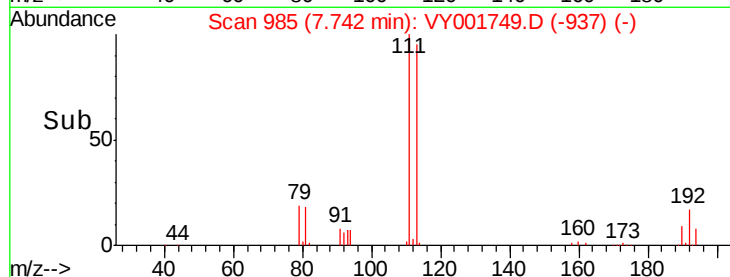
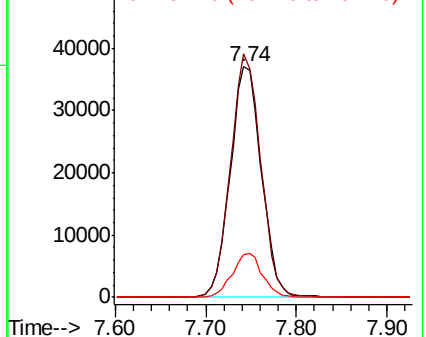
113 100

111 102.5 81.9 122.9

192 18.5 14.3 21.5



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: 4.856 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001749.D

Acq: 21 Feb 2020 17:40

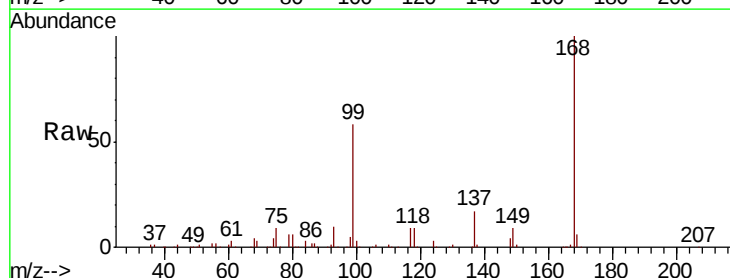
Tgt Ion: 75 Resp: 13985

Ion Ratio Lower Upper

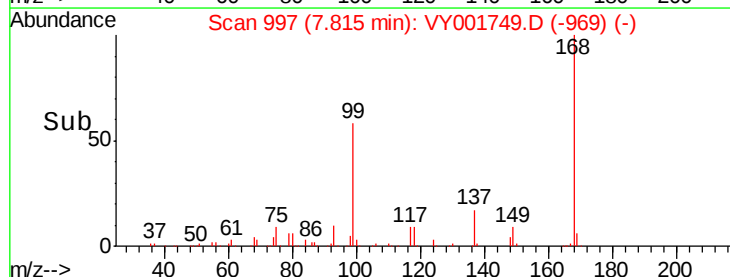
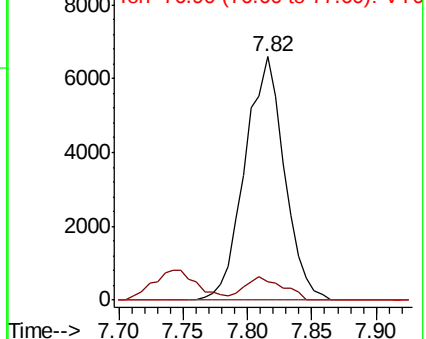
75 100

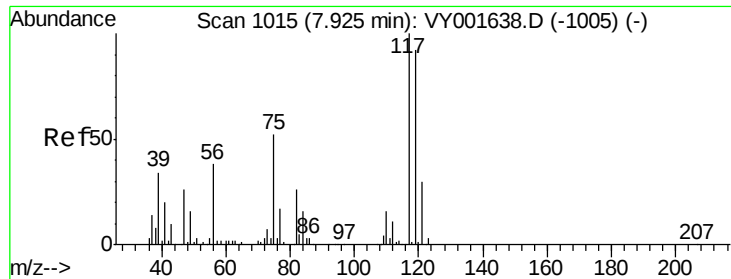
110 9.2 17.2 51.6#

77 0.0 24.8 37.2#



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

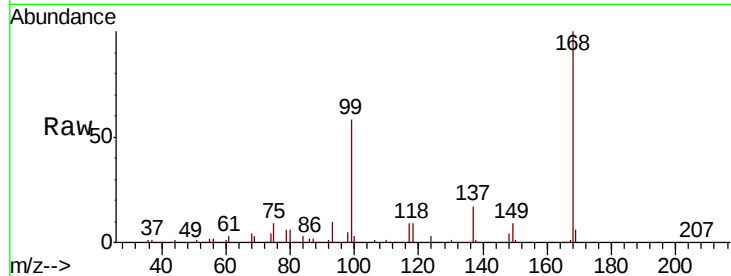




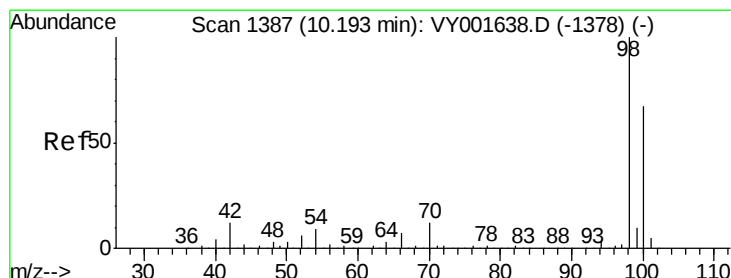
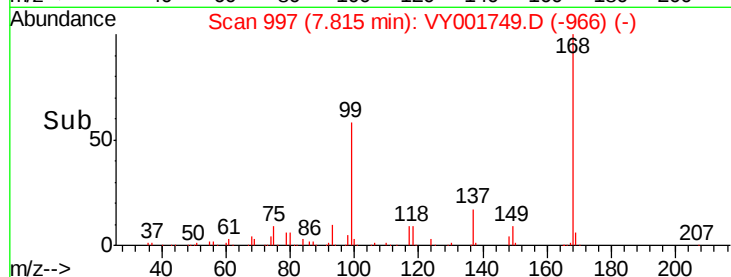
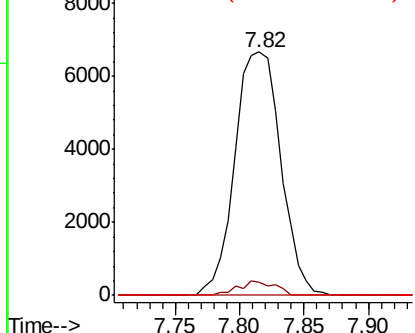
#38
Carbon Tetrachloride
Concen: 6.534 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.11 min
Lab File: VY001749.D
Acq: 21 Feb 2020 17:40

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 16527
Ion Ratio Lower Upper
117 100
119 5.4 74.8 112.2#
121 0.0 23.8 35.6#

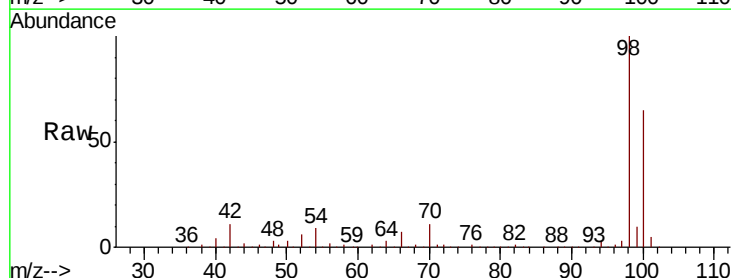


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

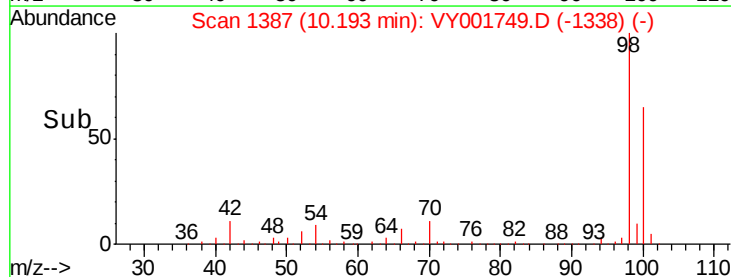
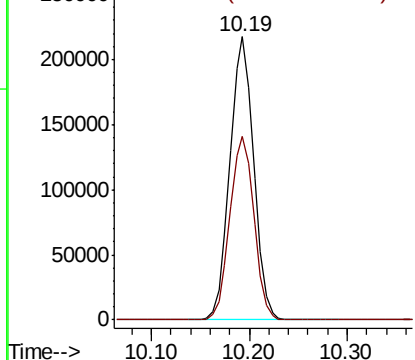


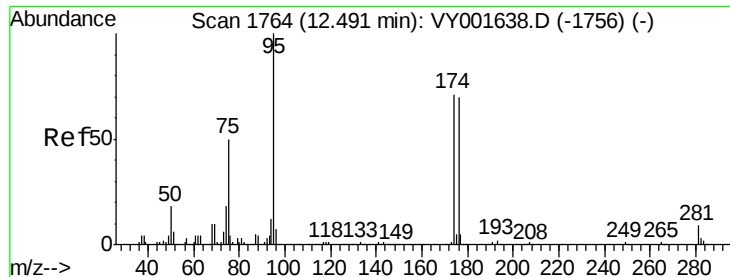
#50
Toluene-d8
Concen: 54.188 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VY001749.D
Acq: 21 Feb 2020 17:40

Tgt Ion: 98 Resp: 366592
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



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

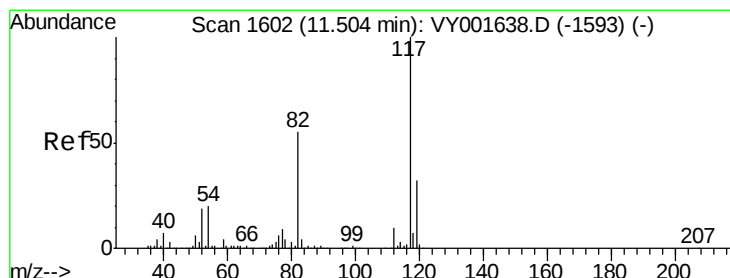
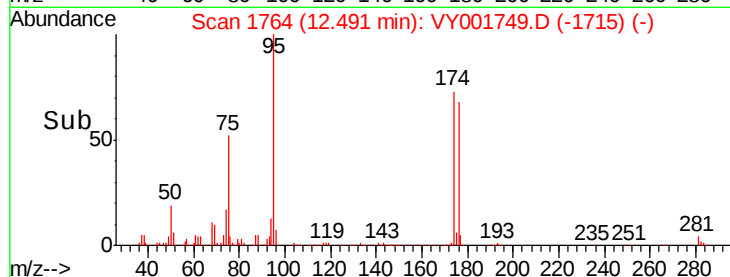
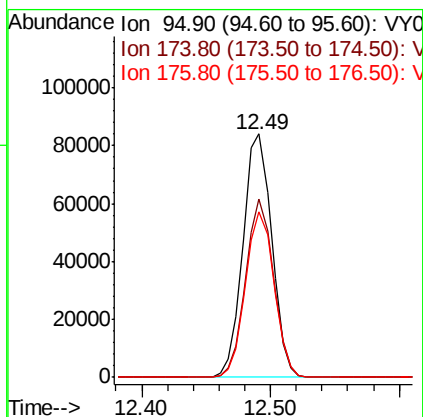
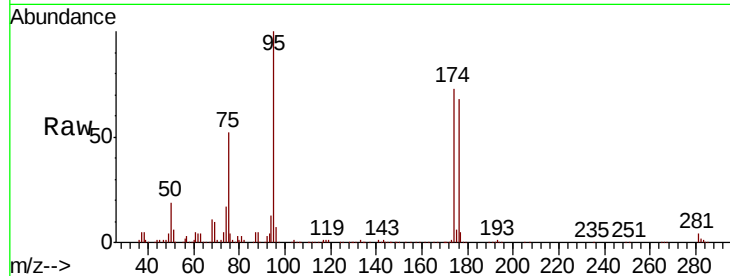




#62
4-Bromofluorobenzene
Concen: 49.183 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001749.D
Acq: 21 Feb 2020 17:40

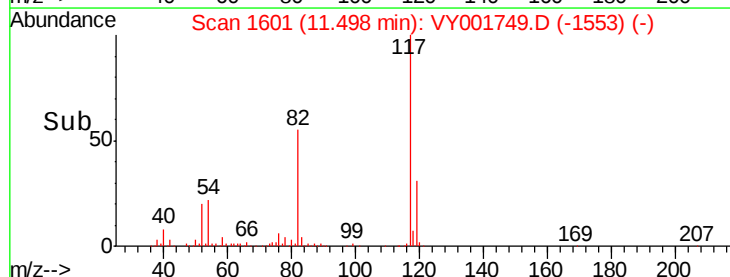
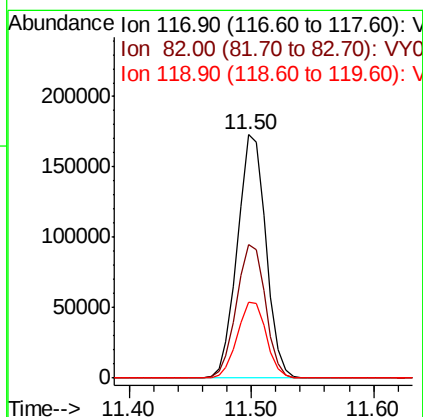
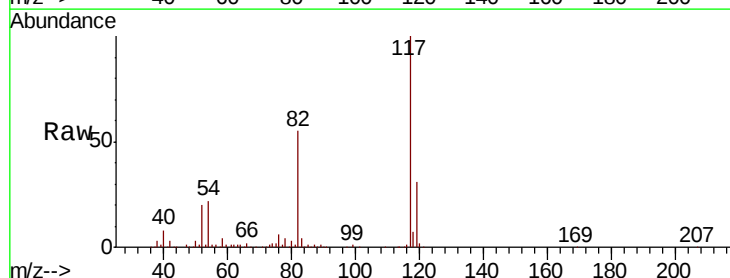
Instrument :
MSVOA_Y
ClientSampleId :

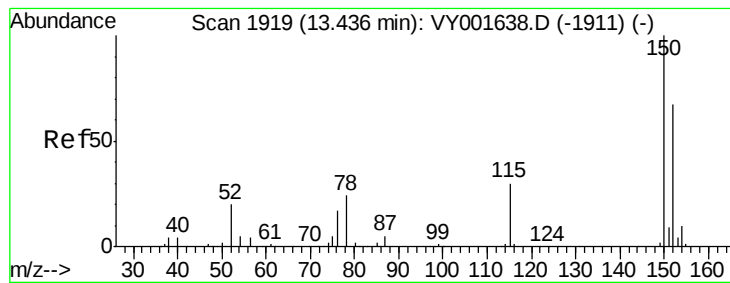
Tot Ion: 95 Resp: 129264
Ion Ratio Lower Upper
95 100
174 71.2 0.0 138.4
176 67.8 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001749.D
Acq: 21 Feb 2020 17:40

Tgt Ion: 117 Resp: 278911
Ion Ratio Lower Upper
117 100
82 54.8 45.5 68.3
119 31.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001749.D

Acq: 21 Feb 2020 17:40

Instrument :

MSVOA_Y

ClientSampleId :

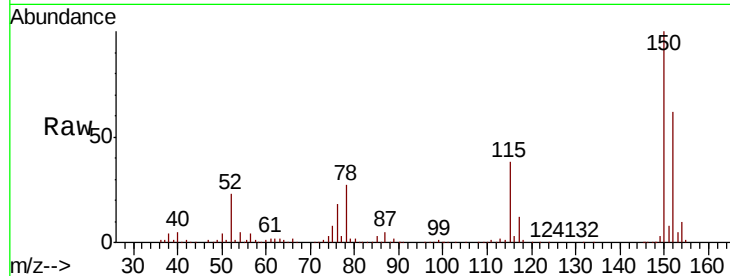
Tot Ion:152 Resp: 122731

Ion Ratio Lower Upper

152 100

115 61.8 31.4 94.2

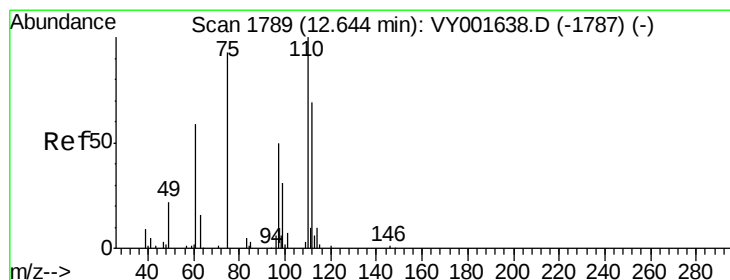
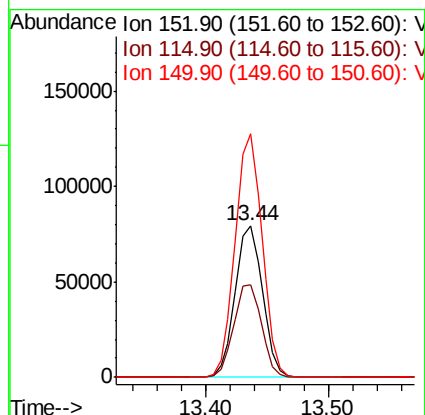
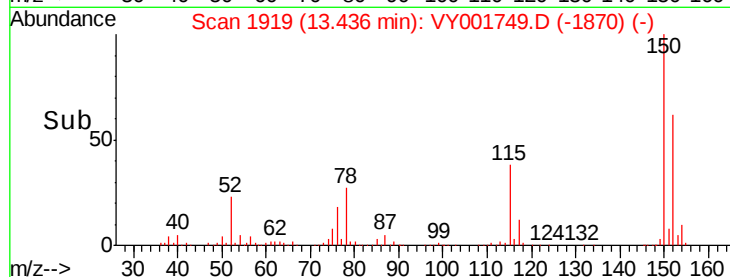
150 158.2 0.0 407.2



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: 47.370 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001749.D

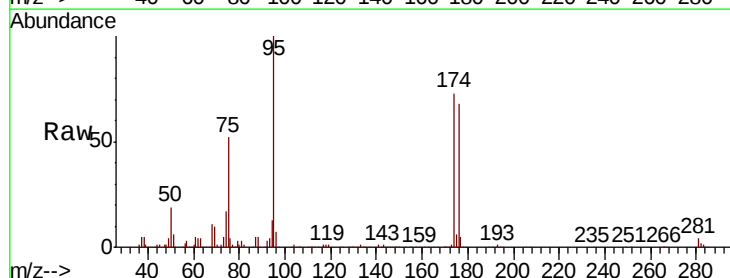
Acq: 21 Feb 2020 17:40

Tgt Ion: 75 Resp: 66691

Ion Ratio Lower Upper

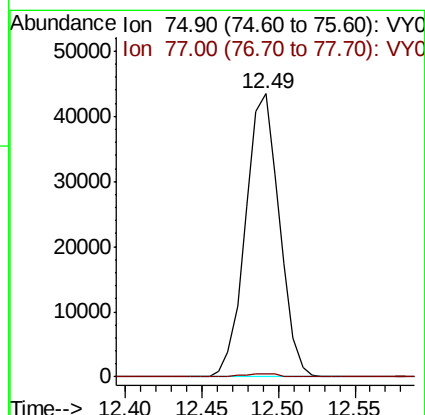
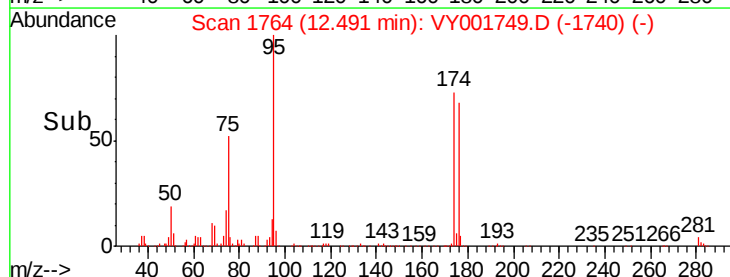
75 100

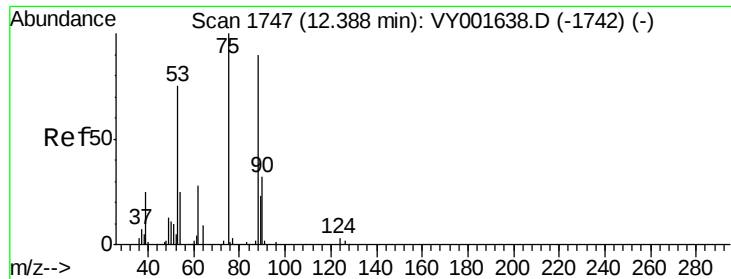
77 1.2 0.0 0.0#



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: 89.868 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001749.D

Acq: 21 Feb 2020 17:40

Instrument :

MSVOA_Y

ClientSampleId :

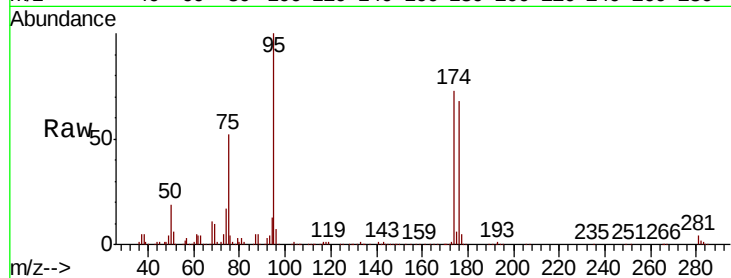
Tot Ion: 75 Resp: 66691

Ion Ratio Lower Upper

75 100

53 0.0 64.5 96.7#

89 0.2 36.3 54.5#



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

