

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022020\
 Data File : VY001727.D
 Acq On : 20 Feb 2020 16:48
 Operator : SY/MD
 Sample : L1631-06
 Misc : 6.82G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 08:06:09 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	188802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	345544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	311734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	141089	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	111555	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
35) Dibromofluoromethane	7.75	113	100815	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
50) Toluene-d8	10.20	98	420115	54.18	ug/l	0.00
Spiked Amount			Recovery	=	108.36%	
62) 4-Bromofluorobenzene	12.49	95	147493	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	59	Below Cal	#	74
16) Acetone	3.99	43	3138	4.466	ug/l #	74
20) Methylene Chloride	4.75	84	32353	12.962	ug/l	95
31) Cyclohexane	7.82	56	4313	1.011	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	15629	4.735	ug/l #	50
38) Carbon Tetrachloride	7.82	117	19030	6.564	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	73676	45.522	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	73676	86.363	ug/l #	17

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001727.D

Acq: 20 Feb 2020 16:48

Instrument :

MSVOA_Y

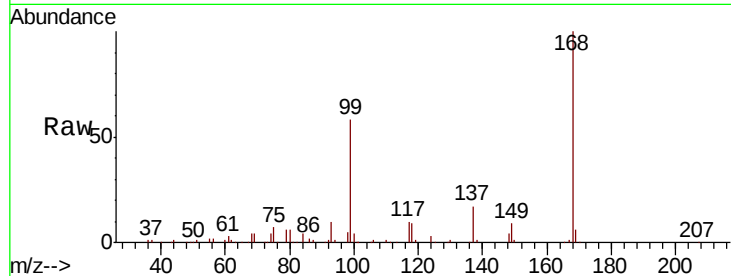
ClientSampleId :

Tot Ion:168 Resp: 188802

Ion Ratio Lower Upper

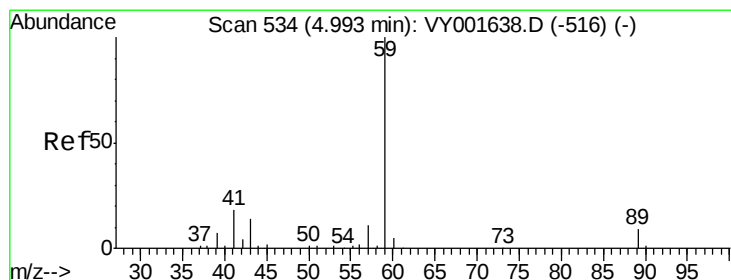
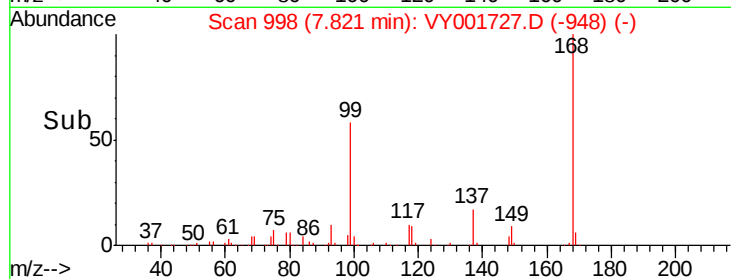
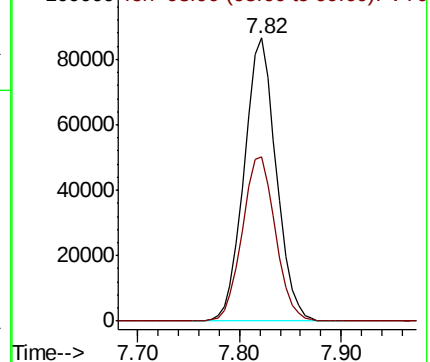
168 100

99 58.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 536

Delta R.T. 0.01 min

Lab File: VY001727.D

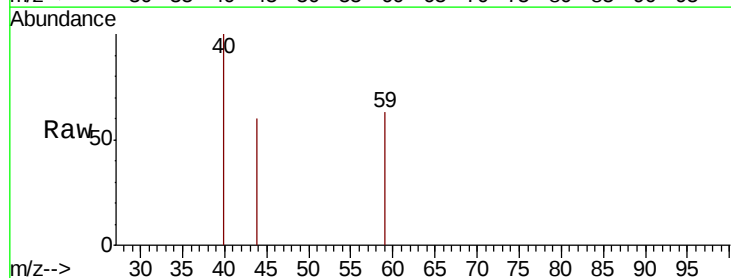
Acq: 20 Feb 2020 16:48

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

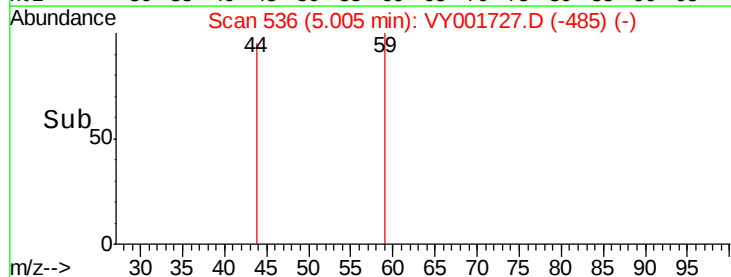
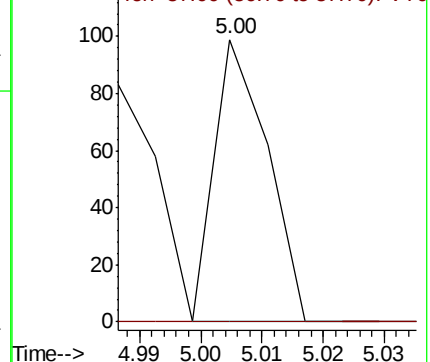
59 100

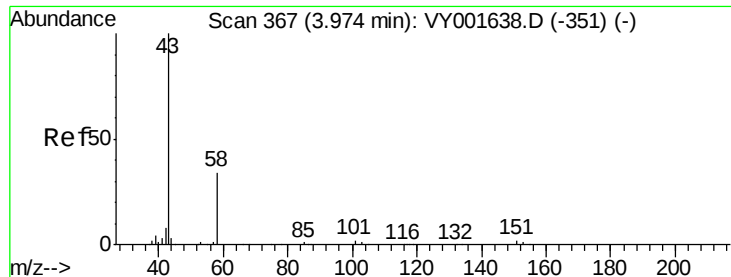
57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001638.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VY001638.D (-516) (-)





#16

Acetone

Concen: 4.466 ug/l

RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

Lab File: VY001727.D

Acq: 20 Feb 2020 16:48

Instrument :

MSVOA_Y

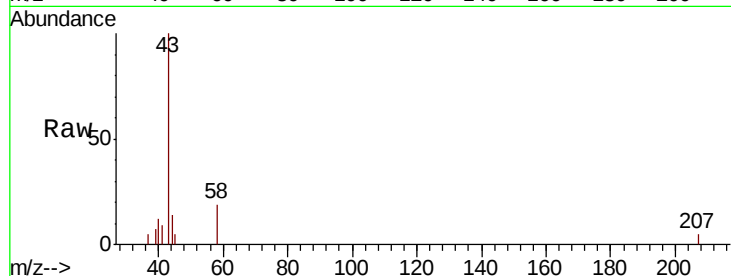
ClientSampled :

Tot Ion: 43 Resp: 3138

Ion Ratio Lower Upper

43 100

58 19.2 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001638.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001638.D (-351) (-)

3.99

1500

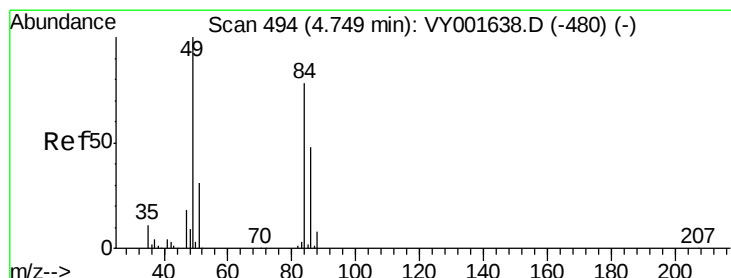
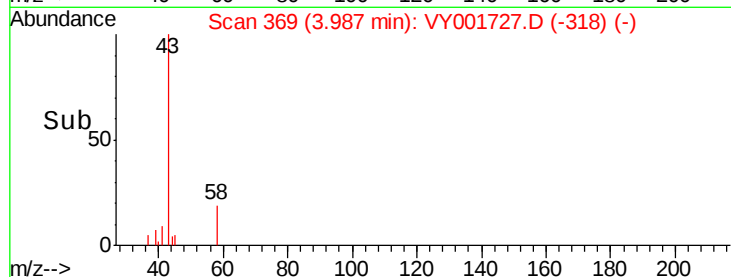
1000

500

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 12.962 ug/l

RT: 4.75 min Scan# 495

Delta R.T. 0.01 min

Lab File: VY001727.D

Acq: 20 Feb 2020 16:48

Tgt Ion: 84 Resp: 32353

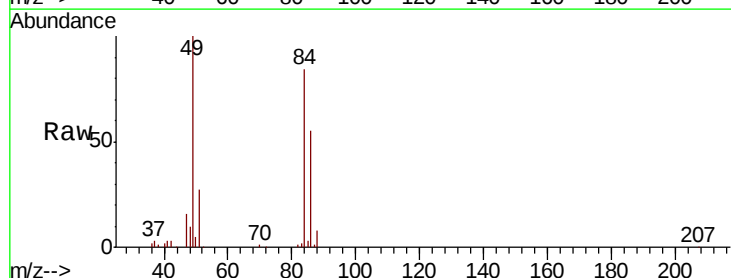
Ion Ratio Lower Upper

84 100

49 119.1 99.2 148.8

51 32.4 31.5 47.3

86 65.1 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VY001638.D (-480) (-)

Ion 48.90 (48.60 to 49.60): VY001638.D (-480) (-)

Ion 50.90 (50.60 to 51.60): VY001638.D (-480) (-)

Ion 85.90 (85.60 to 86.60): VY001638.D (-480) (-)

20000

15000

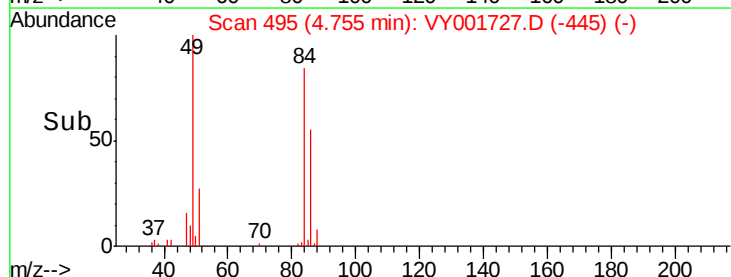
10000

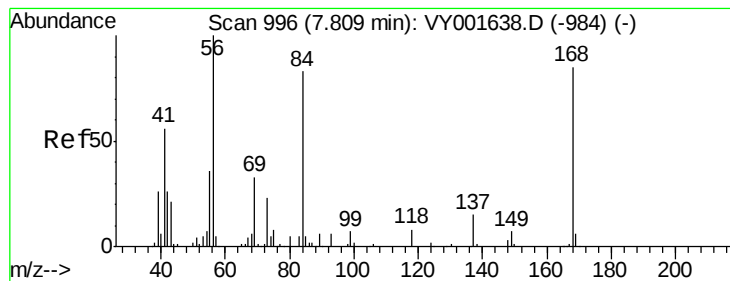
5000

0

Time-->

4.60 4.70 4.80 4.90





#31

Cyclohexane

Concen: 1.011 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

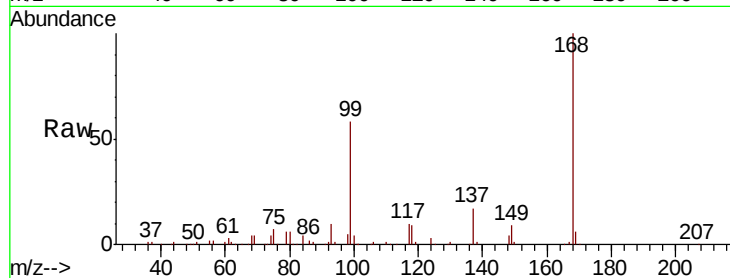
Lab File: VY001727.D

Acq: 20 Feb 2020 16:48

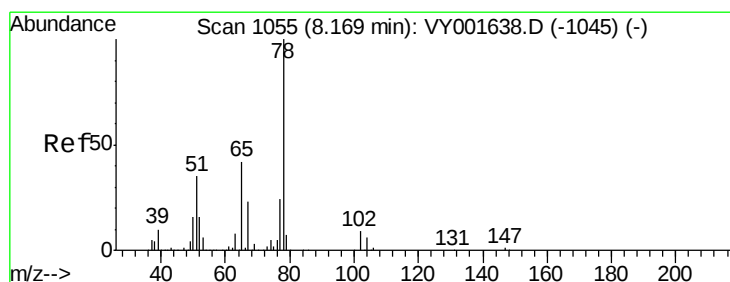
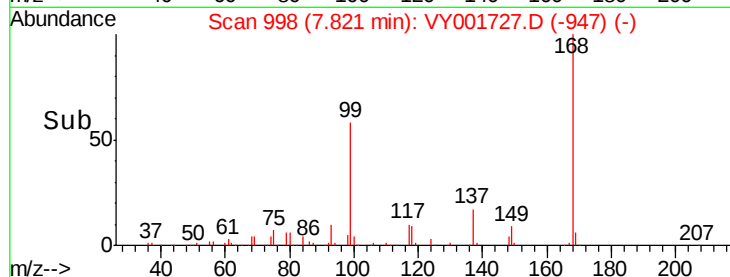
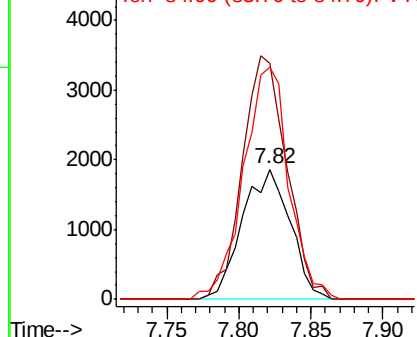
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 4313

Ion	Ratio	Lower	Upper
56	100		
69	182.0	25.1	37.7#
84	178.9	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: 54.931 ug/l

RT: 8.17 min Scan# 1055

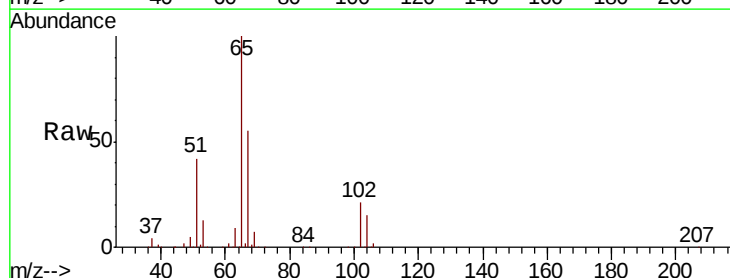
Delta R.T. 0.00 min

Lab File: VY001727.D

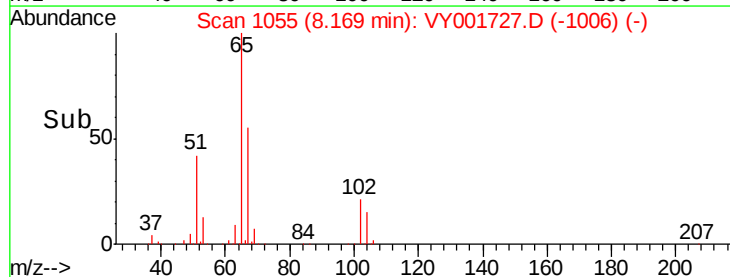
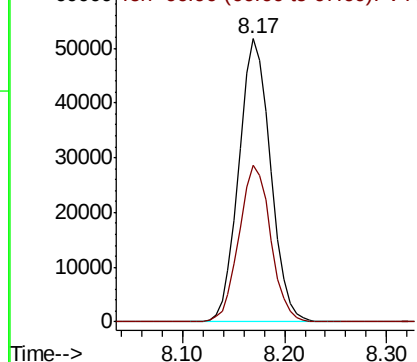
Acq: 20 Feb 2020 16:48

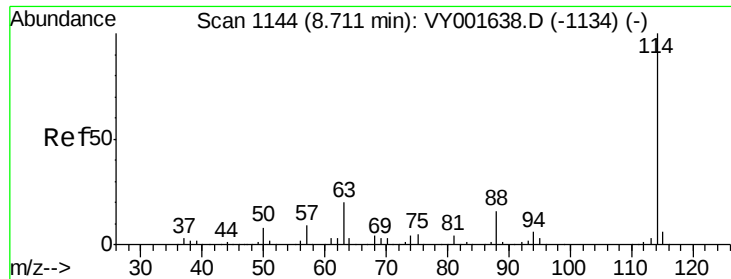
Tgt Ion: 65 Resp: 111555

Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	111.0



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

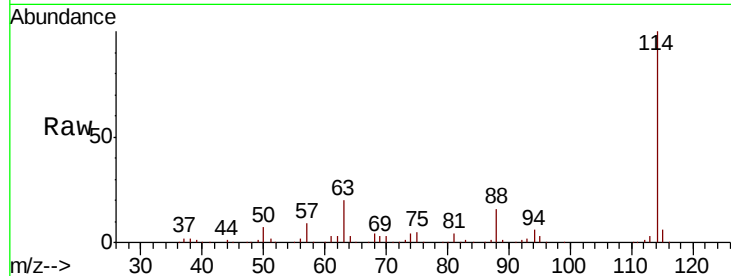




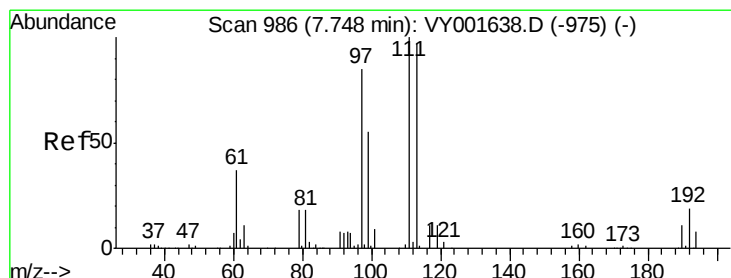
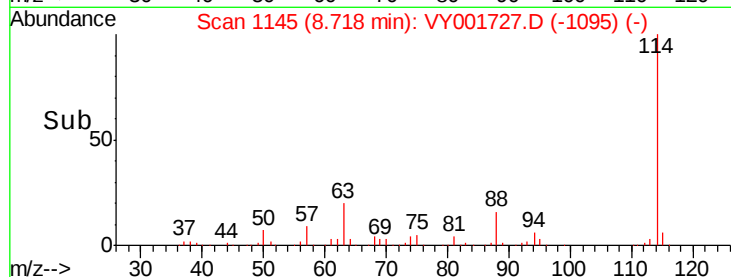
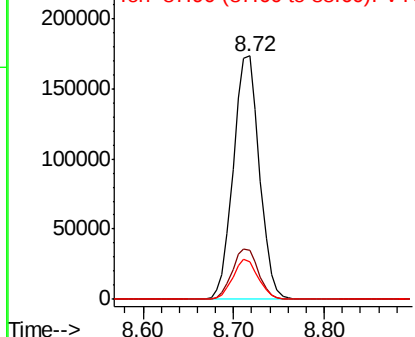
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001727.D
 Acq: 20 Feb 2020 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 345544
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.6 0.0 32.8

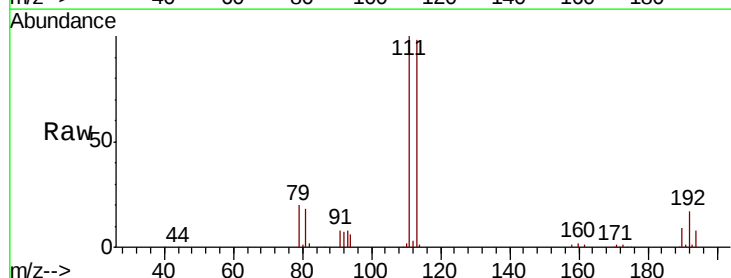


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

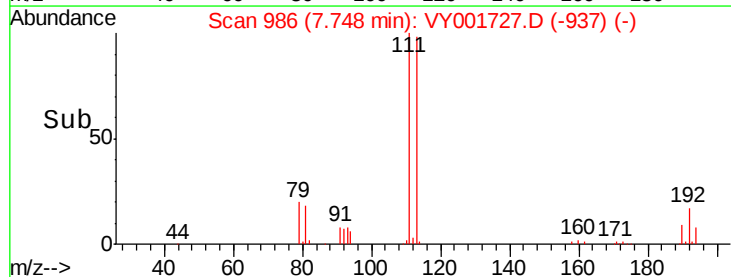
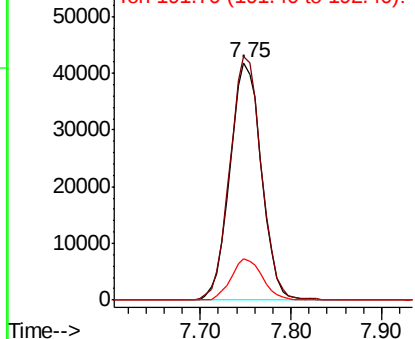


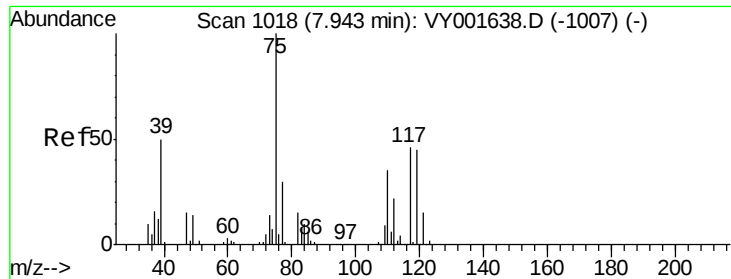
#35
 Dibromofluoromethane
 Concen: 50.939 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001727.D
 Acq: 20 Feb 2020 16:48

Tgt Ion:113 Resp: 100815
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.9 122.9
 192 17.2 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

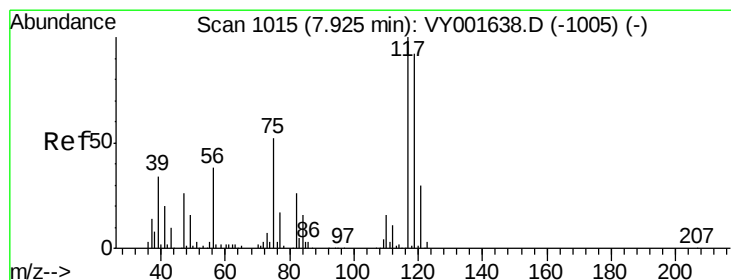
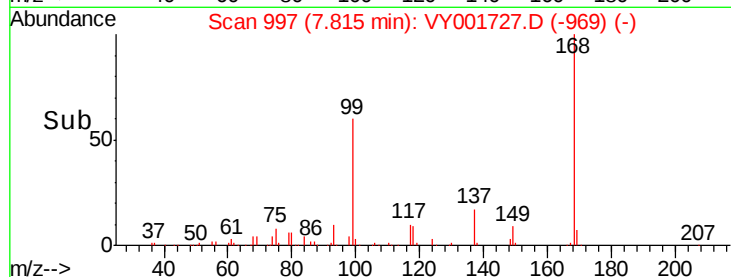
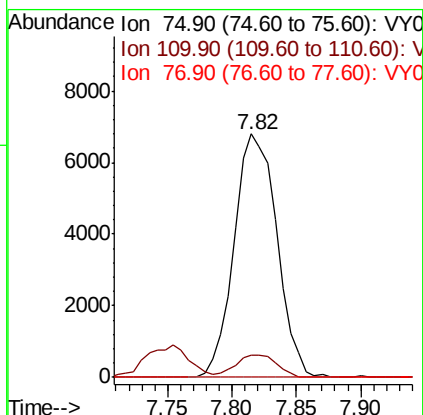
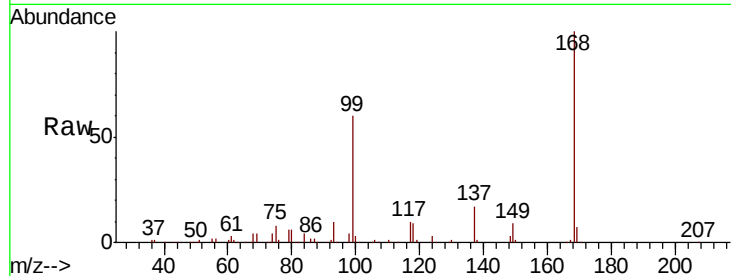




#36
 1,1-Dichloropropene
 Concen: 4.735 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.13 min
 Lab File: VY001727.D
 Acq: 20 Feb 2020 16:48

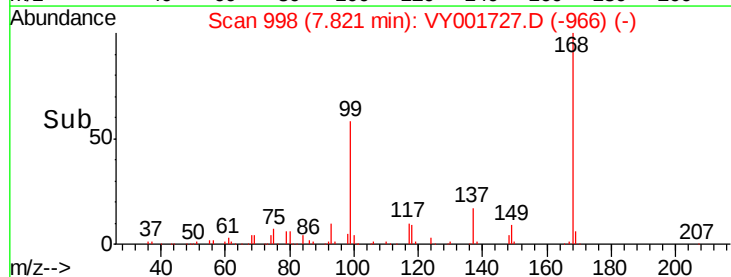
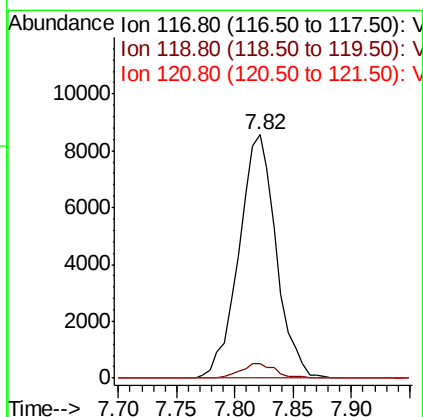
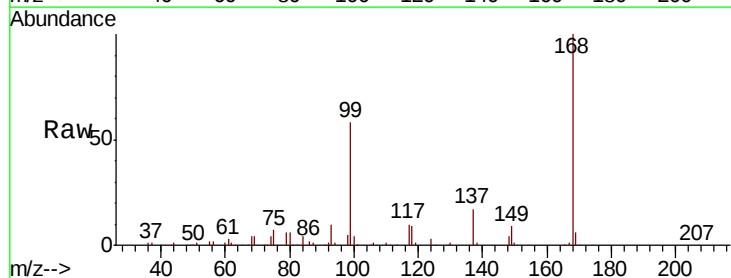
Instrument :
 MSVOA_Y
 ClientSampled :

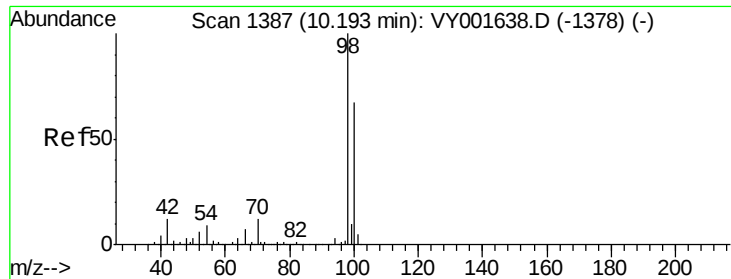
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.2	51.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.564 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.10 min
 Lab File: VY001727.D
 Acq: 20 Feb 2020 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	74.8	112.2#
121	0.0	23.8	35.6#





#50

Toluene-d8

Concen: 54.183 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001727.D

Acq: 20 Feb 2020 16:48

Instrument :

MSVOA_Y

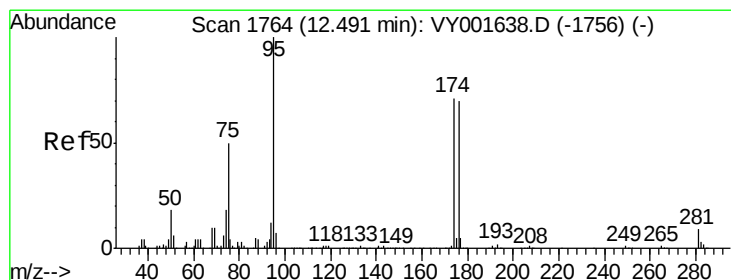
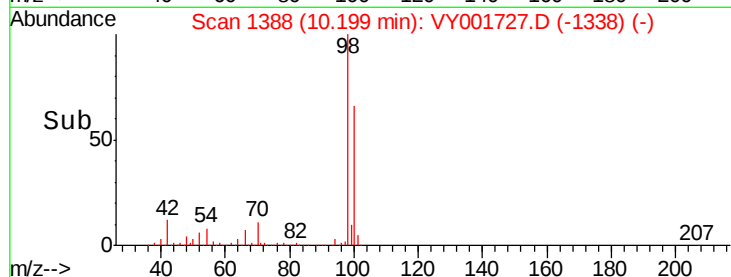
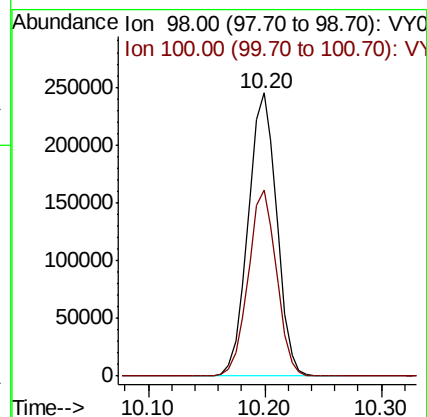
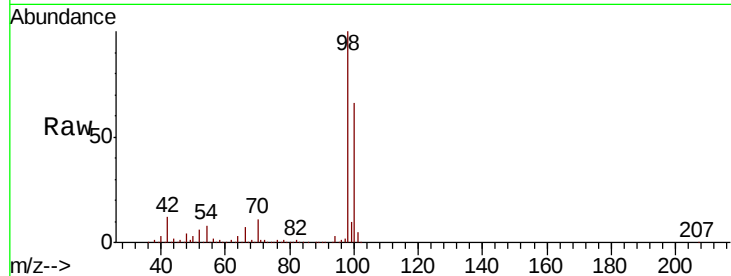
ClientSampleId :

Tot Ion: 98 Resp: 420115

Ion Ratio Lower Upper

98 100

100 64.9 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 48.965 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001727.D

Acq: 20 Feb 2020 16:48

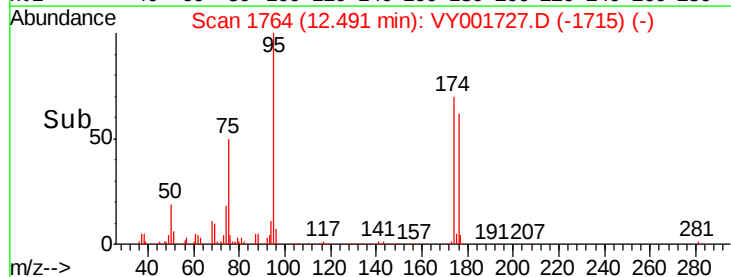
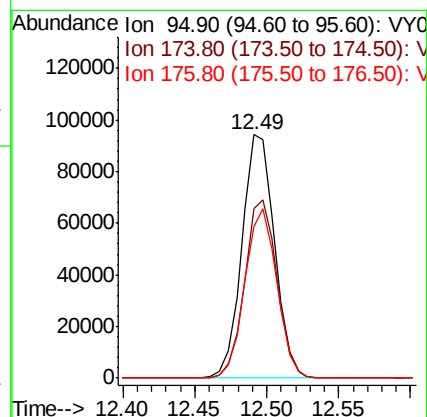
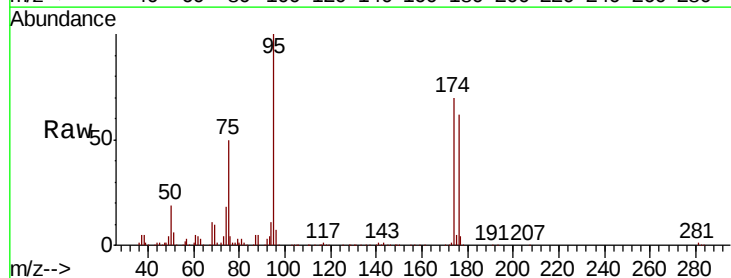
Tgt Ion: 95 Resp: 147493

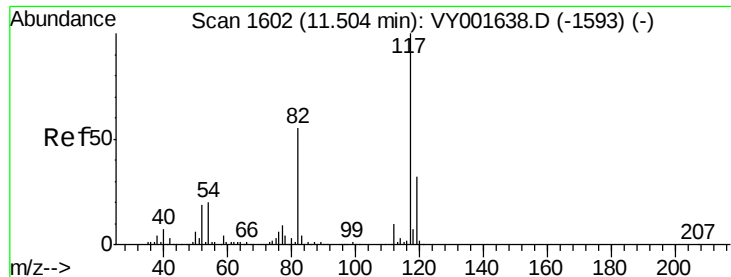
Ion Ratio Lower Upper

95 100

174 72.3 0.0 138.4

176 68.5 0.0 131.8

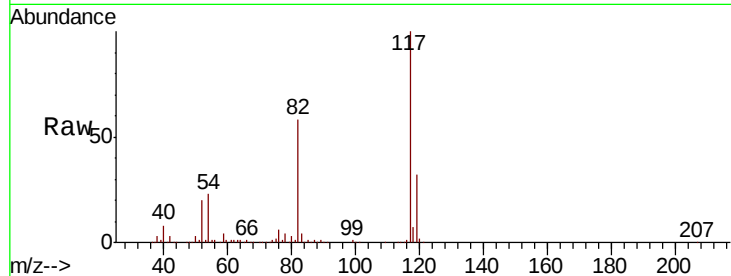




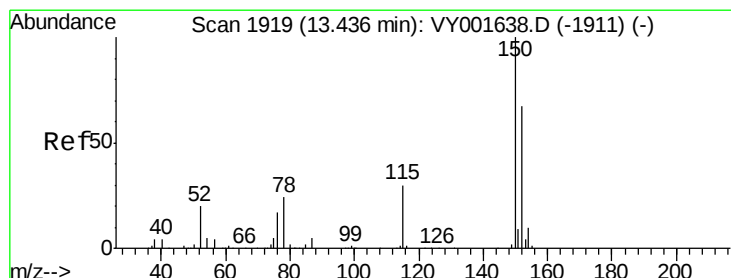
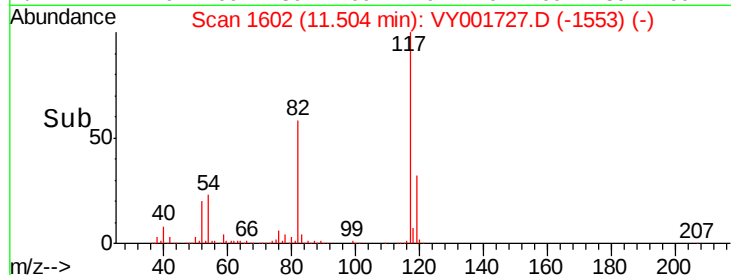
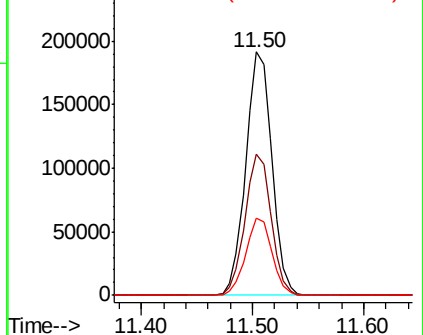
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001727.D
Acq: 20 Feb 2020 16:48

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 311734
Ion Ratio Lower Upper
117 100
82 58.2 45.5 68.3
119 31.7 25.8 38.6

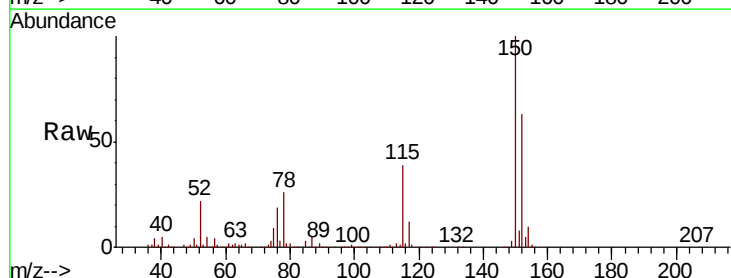


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

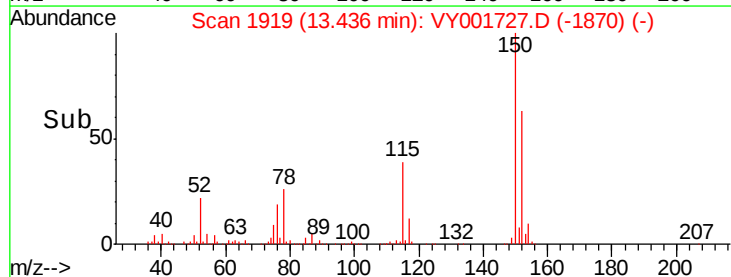
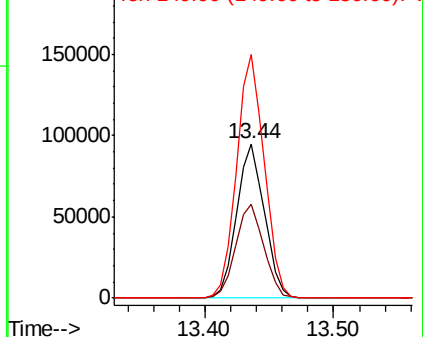


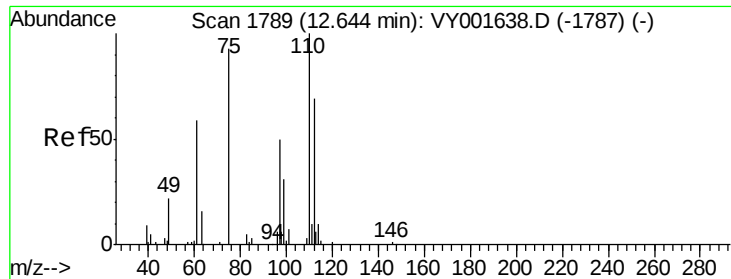
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001727.D
Acq: 20 Feb 2020 16:48

Tgt Ion:152 Resp: 141089
Ion Ratio Lower Upper
152 100
115 61.9 31.4 94.2
150 157.8 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

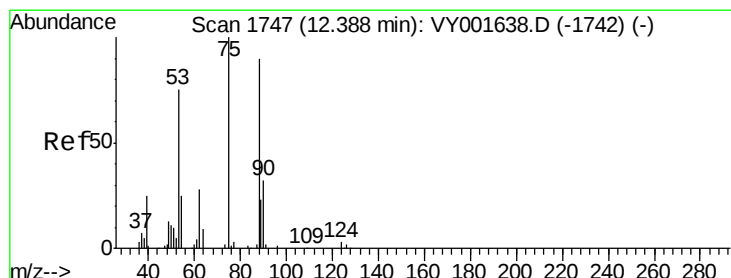
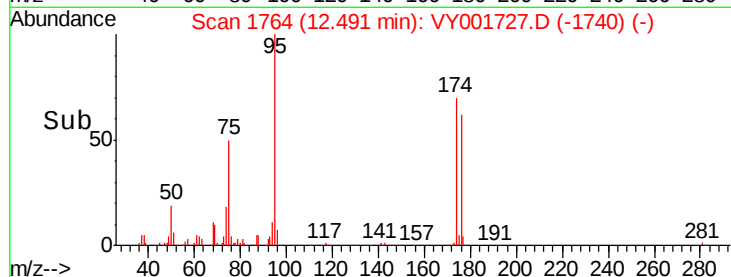
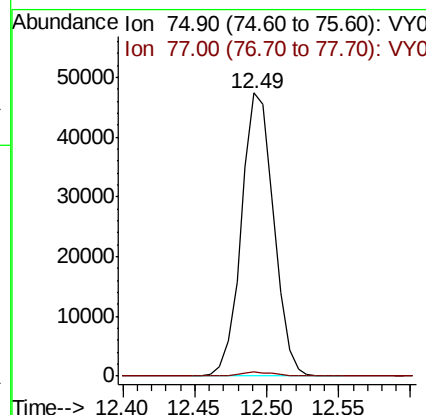
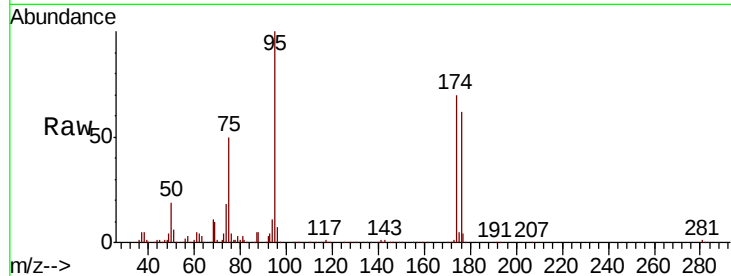




#76
 1,2,3-Trichloropropane
 Concen: 45.522 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.15 min
 Lab File: VY001727.D
 Acq: 20 Feb 2020 16:48

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 75 Resp: 73676
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.363 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001727.D
 Acq: 20 Feb 2020 16:48

Tgt Ion: 75 Resp: 73676
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.5 96.7#
 89 0.0 36.3 54.5#

