

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001537.D
 Acq On : 06 Feb 2020 17:41
 Operator : SY/MD
 Sample : L1408-08RE
 Misc : 5.75G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 04:09:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	94243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	171828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	150060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	59226	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	54654	57.60	ug/l	0.00
Spiked Amount			Recovery	=	115.20%	
35) Dibromofluoromethane	7.75	113	50939	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
50) Toluene-d8	10.19	98	199804	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.49	95	67092	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

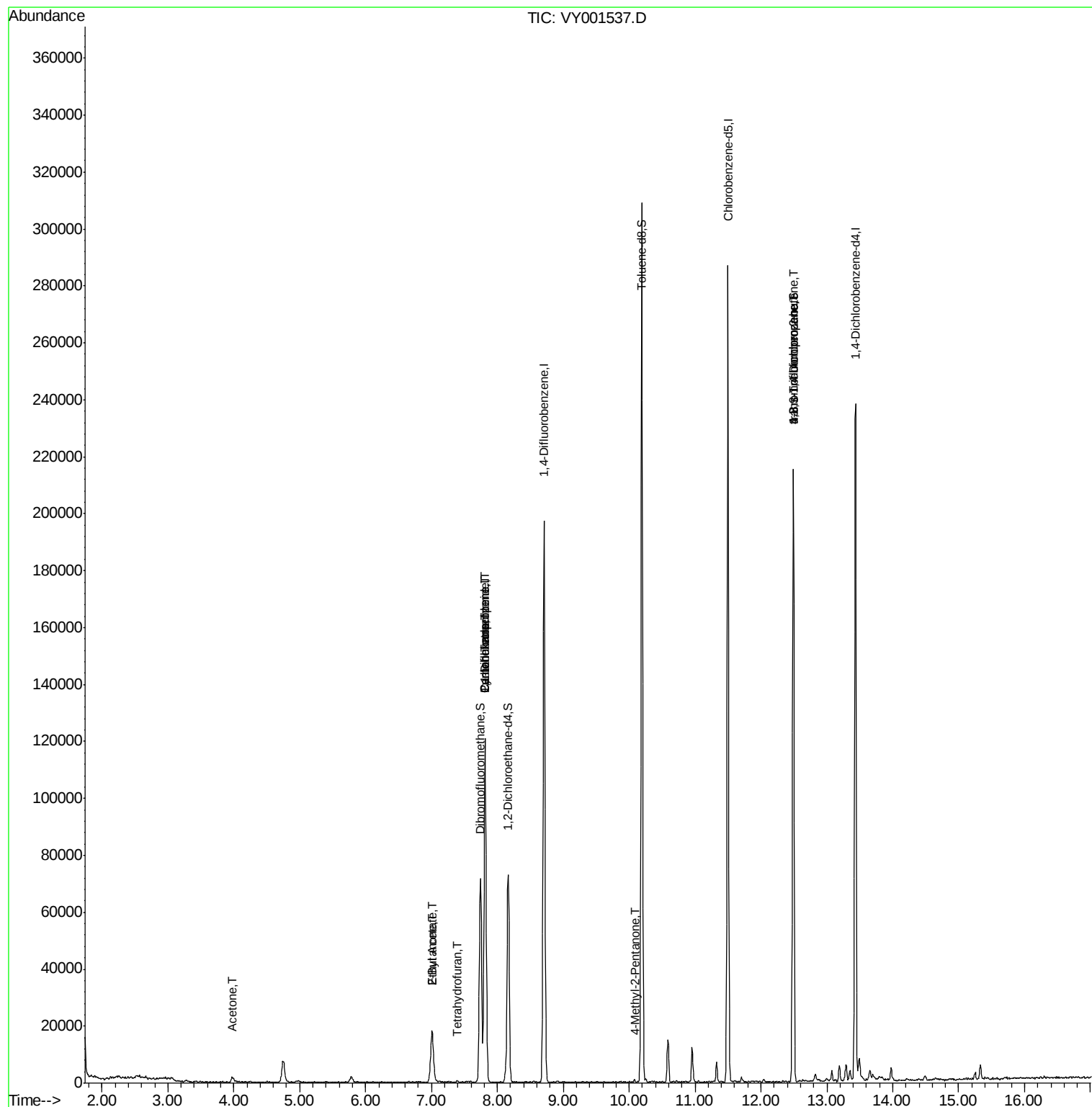
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	762	Below Cal	#	76
16) Acetone	3.97	43	3514	12.803	ug/l	91
25) 2-Butanone	7.01	43	787	2.210	ug/l #	70
29) Tetrahydrofuran	7.38	42	362	1.696	ug/l #	43
31) Cyclohexane	7.82	56	1988	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	7628	4.853	ug/l #	48
37) Ethyl Acetate	7.01	43	787	1.034	ug/l #	1
38) Carbon Tetrachloride	7.82	117	8845	5.816	ug/l #	16
51) 4-Methyl-2-Pentanone	10.10	43	761	1.026	ug/l #	74
76) 1,2,3-Trichloropropane	12.49	75	33268	52.233	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	33268	101.068	ug/l #	16

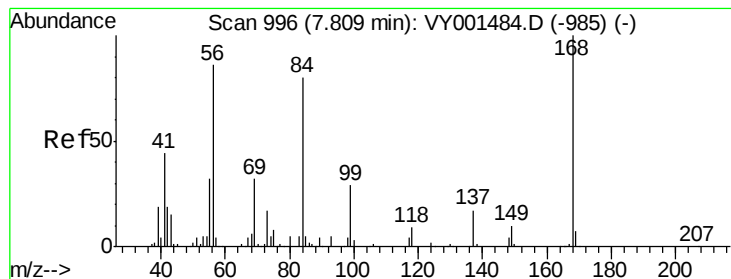
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
Data File : VY001537.D
Acq On : 06 Feb 2020 17:41
Operator : SY/MD
Sample : L1408-08RE
Misc : 5.75G/5ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Feb 07 04:09:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260
QLast Update : Tue Feb 04 15:10:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001537.D

Acq: 06 Feb 2020 17:41

Instrument :

MSVOA_Y

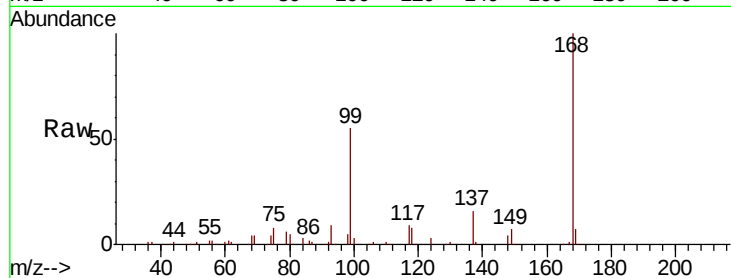
ClientSampleId :

Tot Ion:168 Resp: 94243

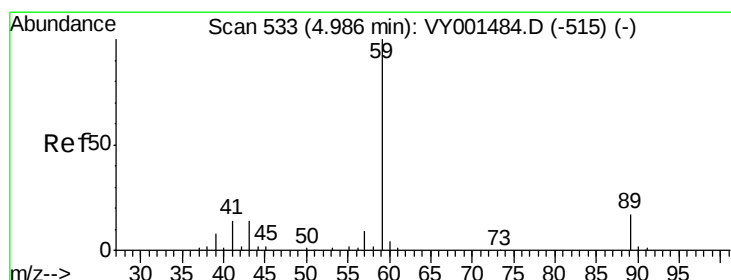
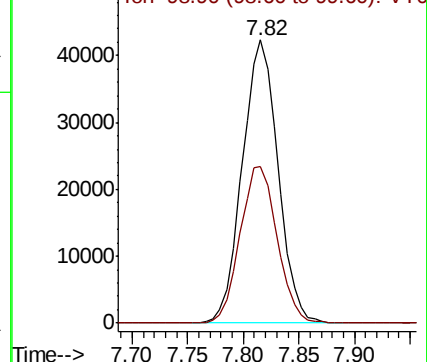
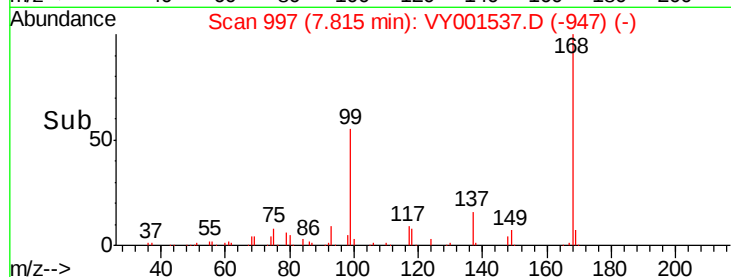
Ion Ratio Lower Upper

168 100

99 55.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VY001537.D (-947) (-)



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.01 min

Lab File: VY001537.D

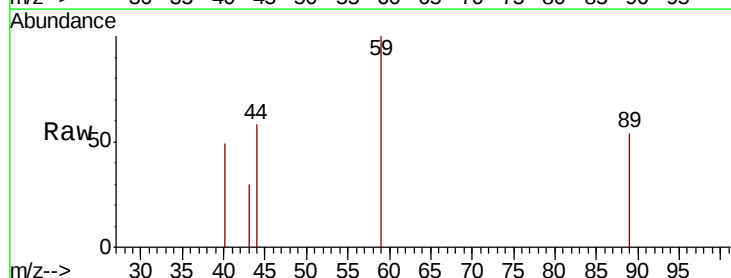
Acq: 06 Feb 2020 17:41

Tgt Ion: 59 Resp: 762

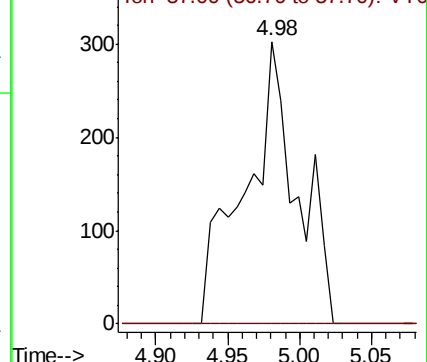
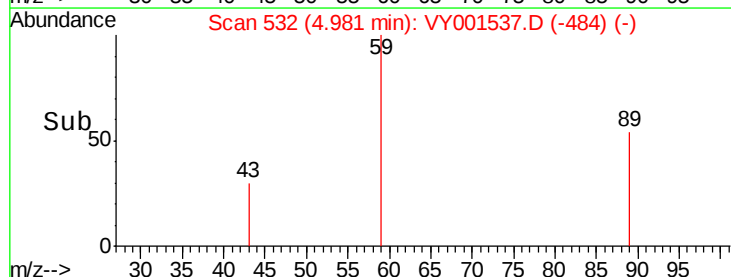
Ion Ratio Lower Upper

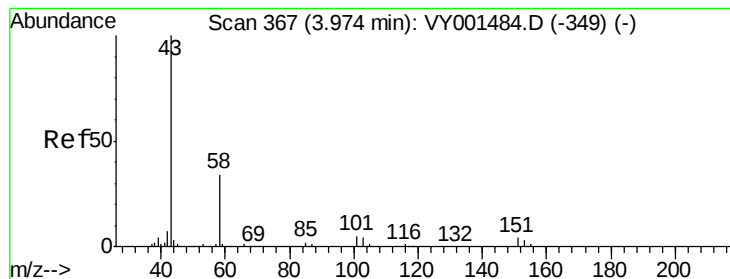
59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VY001537.D (-484) (-)





#16

Acetone

Concen: 12.803 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VY001537.D

Acq: 06 Feb 2020 17:41

Instrument :

MSVOA_Y

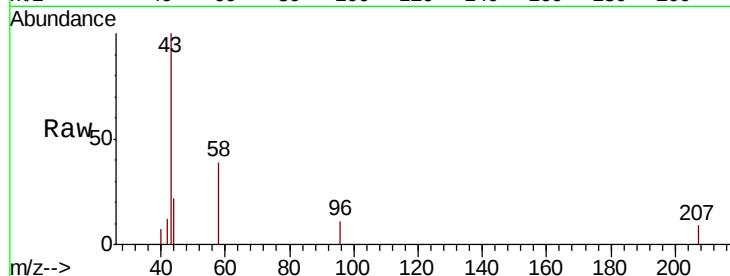
ClientSampleId :

Tot Ion: 43 Resp: 3514

Ion Ratio Lower Upper

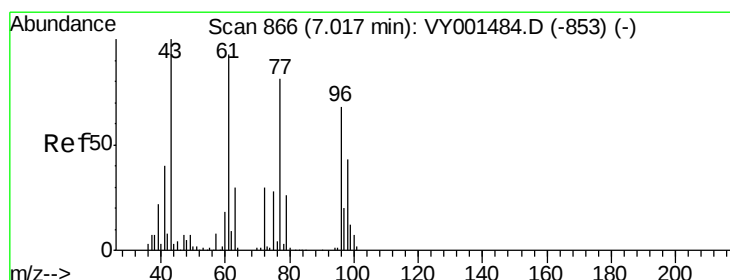
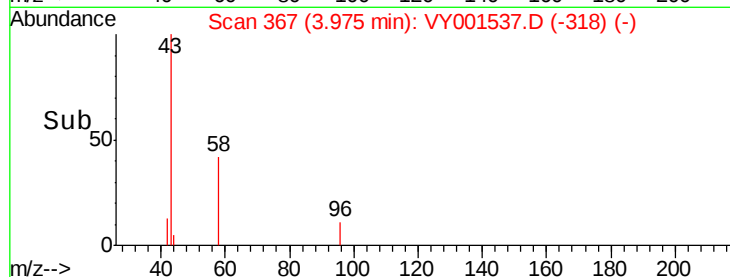
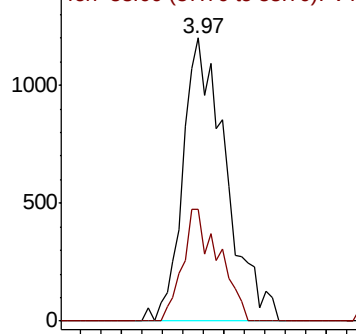
43 100

58 39.5 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#25

2-Butanone

Concen: 2.210 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001537.D

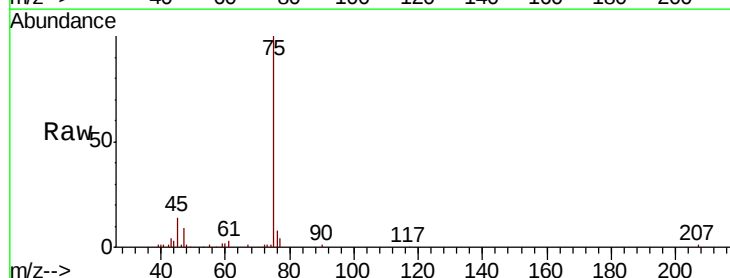
Acq: 06 Feb 2020 17:41

Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

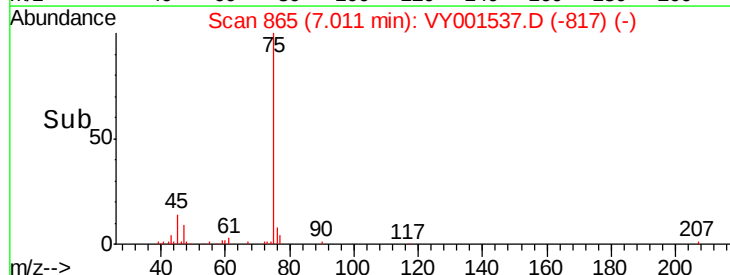
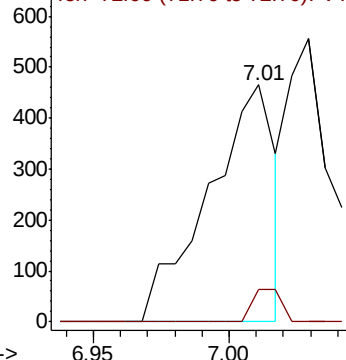
43 100

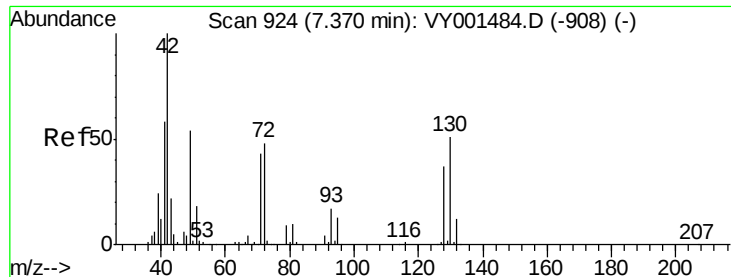
72 13.5 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

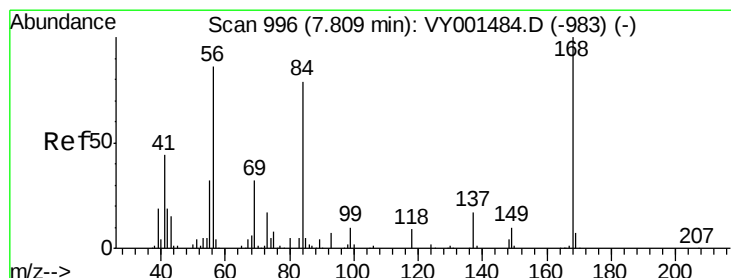
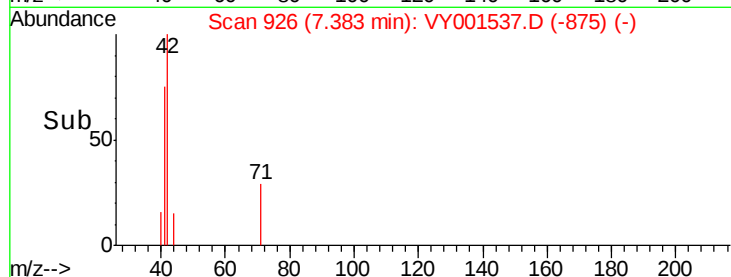
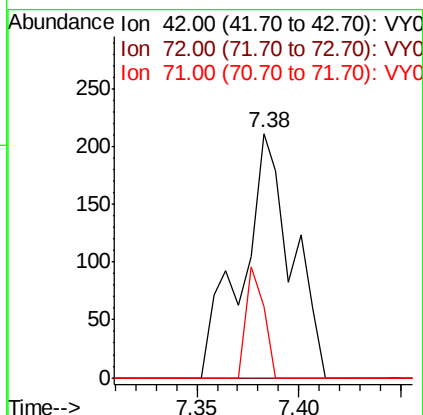
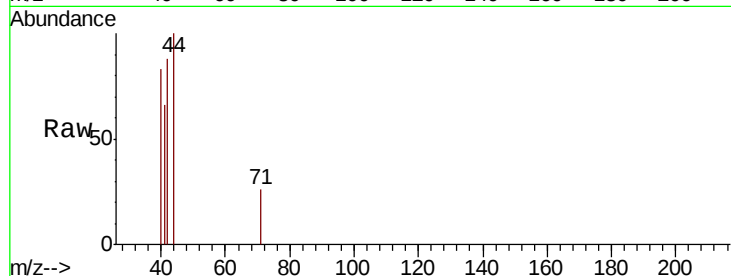




#29
Tetrahydrofuran
Concen: 1.696 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001537.D
Acq: 06 Feb 2020 17:41

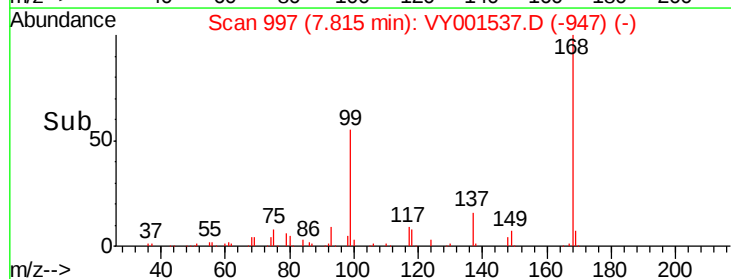
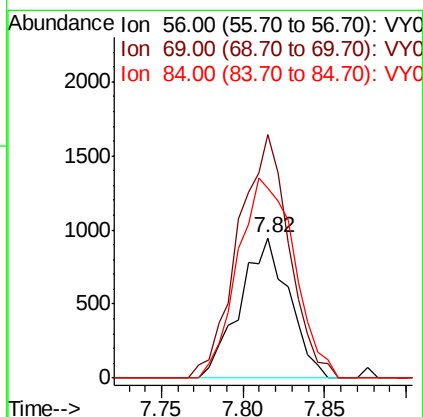
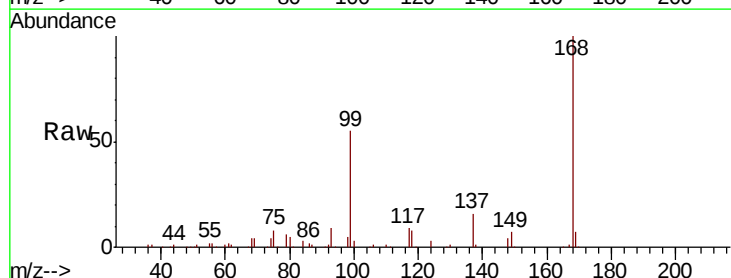
Instrument :
MSVOA_Y
ClientSampled :

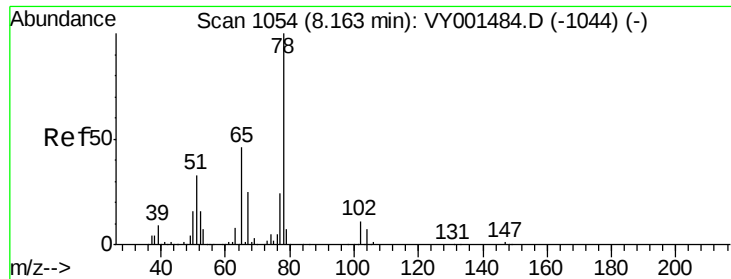
Tot Ion: 42 Resp: 362
Ion Ratio Lower Upper
42 100
72 0.0 37.8 56.6#
71 16.0 34.8 52.2#



#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001537.D
Acq: 06 Feb 2020 17:41

Tgt Ion: 56 Resp: 1988
Ion Ratio Lower Upper
56 100
69 173.9 29.6 44.4#
84 136.0 73.6 110.4#

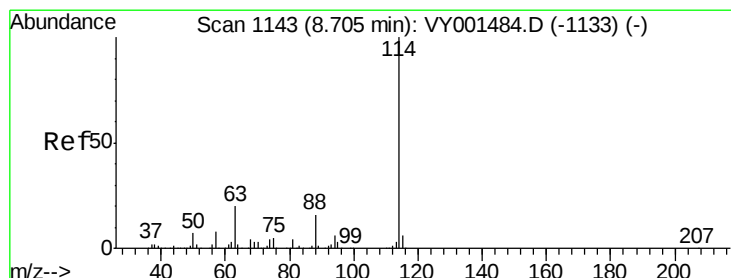
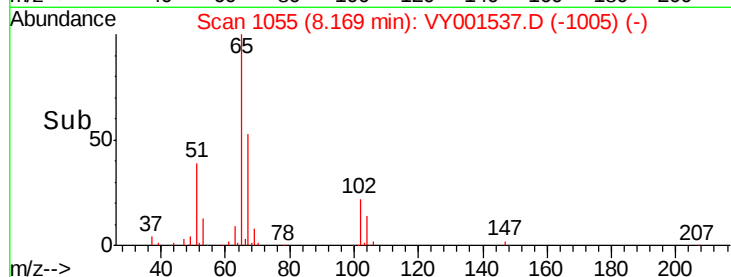
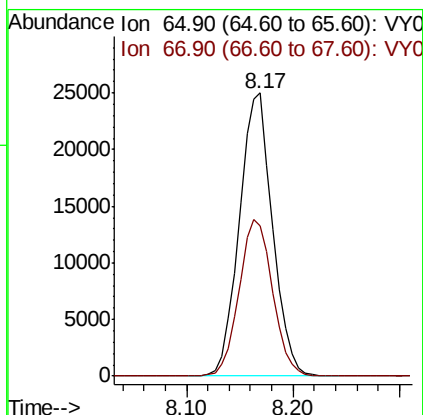
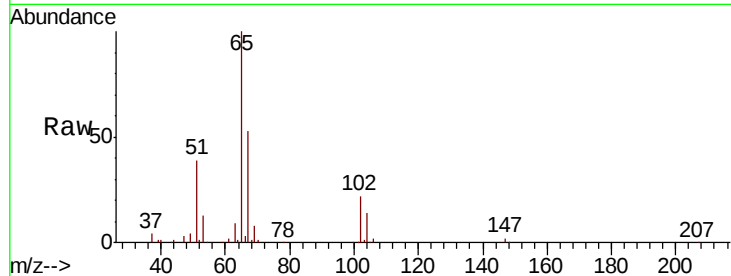




#33
 1,2-Dichloroethane-d4
 Concen: 57.598 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VY001537.D
 Acq: 06 Feb 2020 17:41

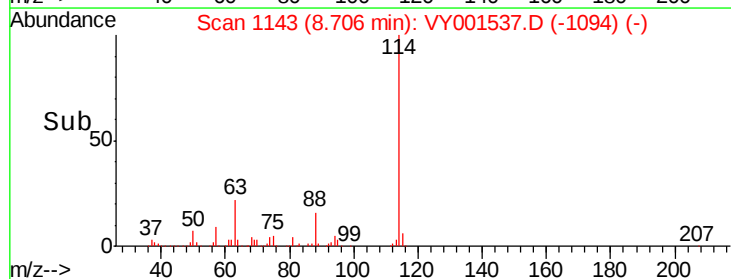
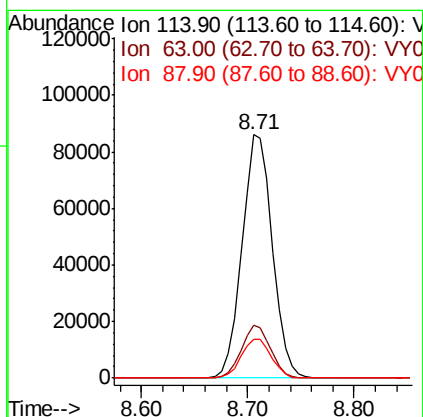
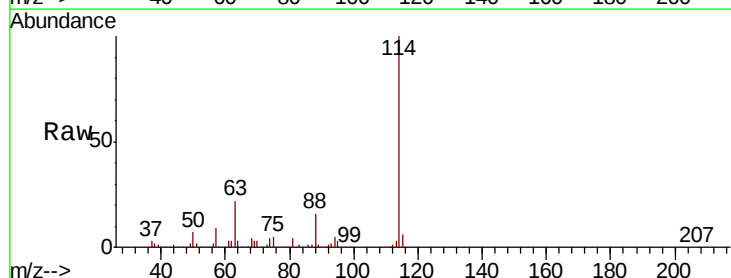
Instrument :
 MSVOA_Y
 ClientSampleId :

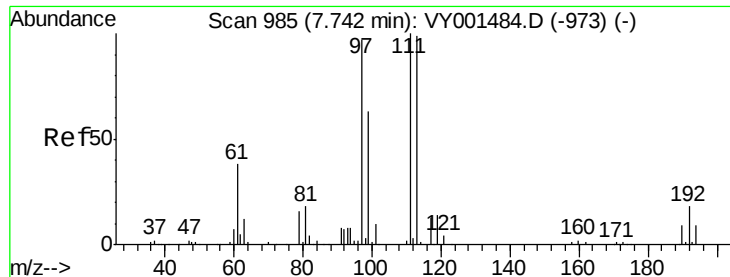
Tot Ion: 65 Resp: 54654
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001537.D
 Acq: 06 Feb 2020 17:41

Tgt Ion: 114 Resp: 171828
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 39.8
 88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.410 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001537.D

Acq: 06 Feb 2020 17:41

Instrument :
MSVOA_Y
ClientSampleId :

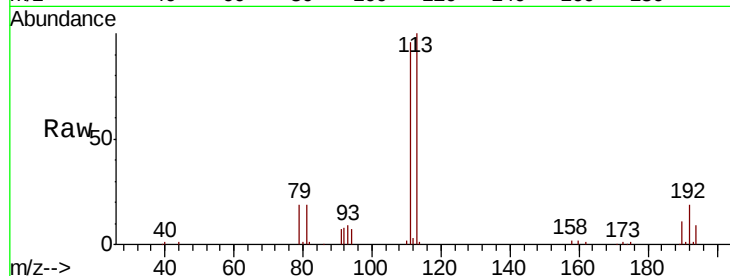
Tot Ion:113 Resp: 50939

Ion Ratio Lower Upper

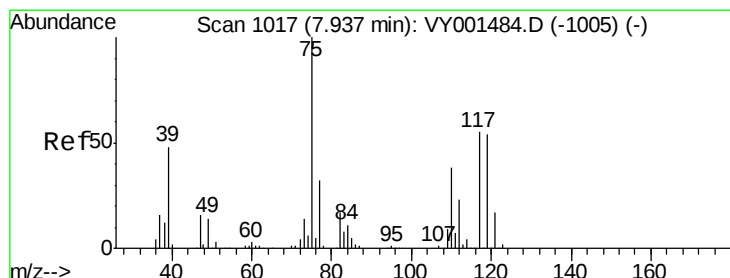
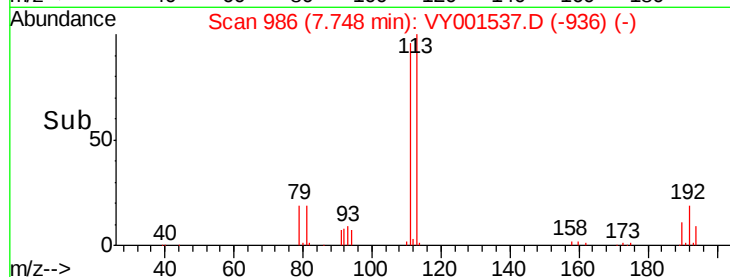
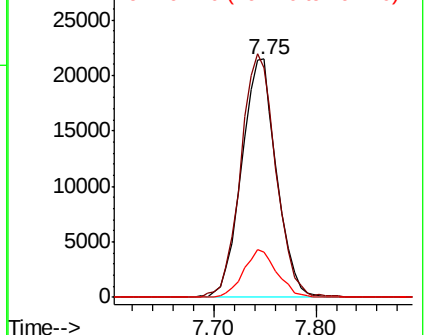
113 100

111 102.9 82.9 124.3

192 19.2 14.6 22.0



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: 4.853 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.12 min

Lab File: VY001537.D

Acq: 06 Feb 2020 17:41

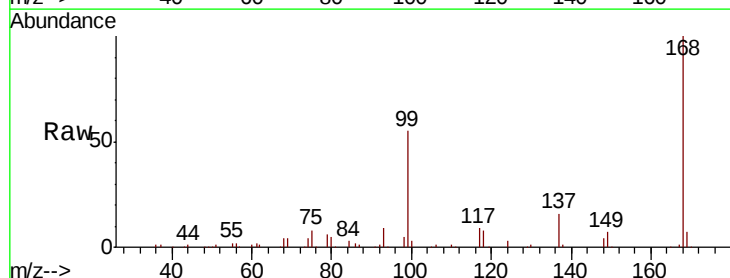
Tgt Ion: 75 Resp: 7628

Ion Ratio Lower Upper

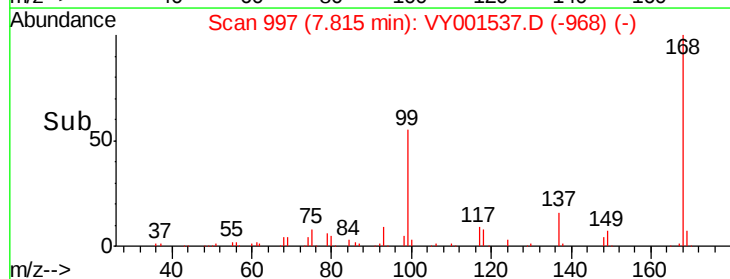
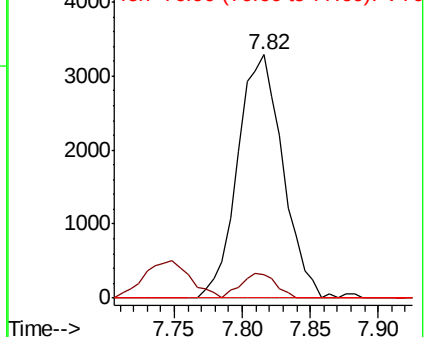
75 100

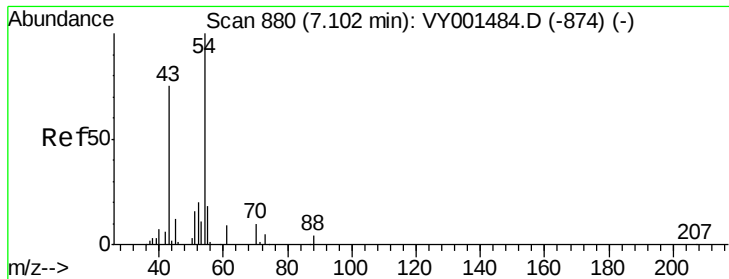
110 7.8 18.2 54.6#

77 0.0 25.0 37.4#



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

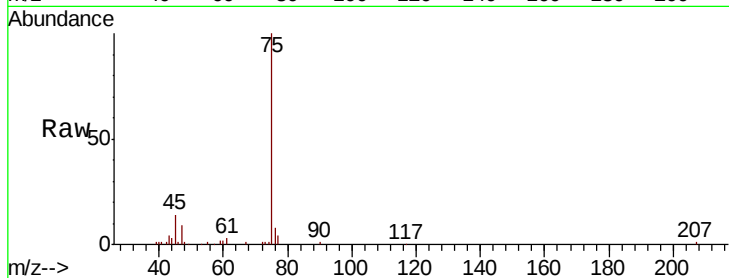




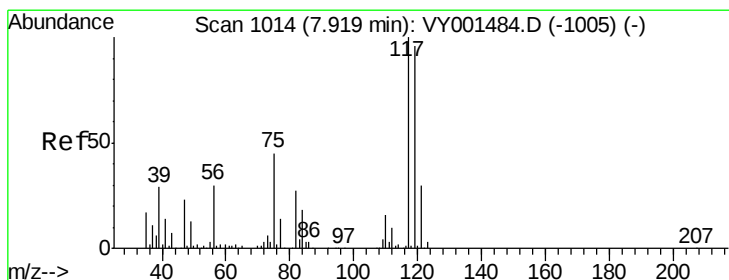
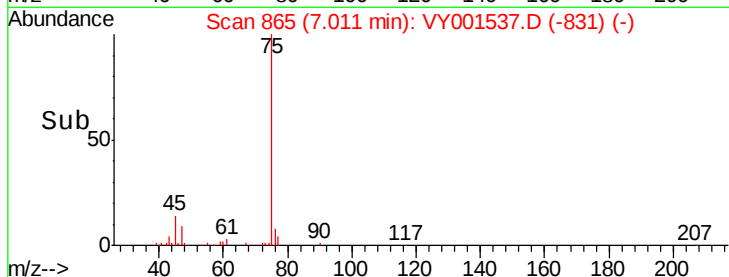
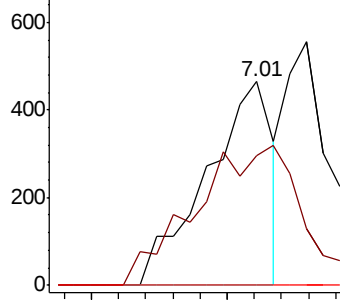
#37
Ethyl Acetate
Concen: 1.034 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.09 min
Lab File: VY001537.D
Acq: 06 Feb 2020 17:41

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
61 110.5 12.0 18.0#
70 0.0 10.2 15.4#

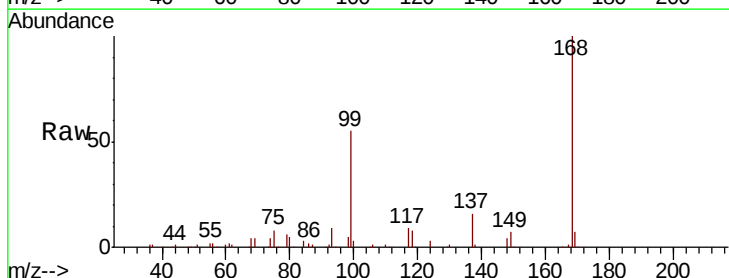


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

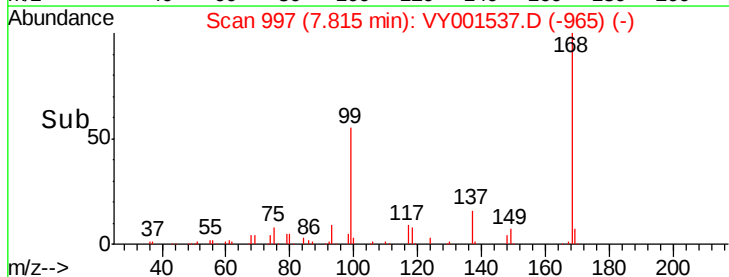
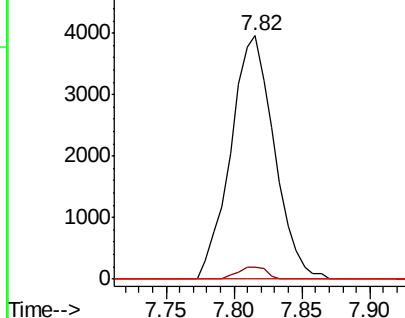


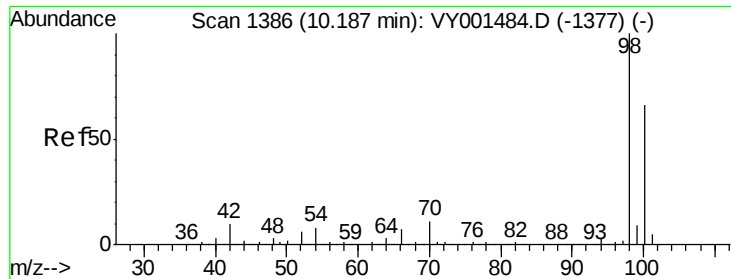
#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY001537.D
Acq: 06 Feb 2020 17:41

Tgt Ion: 117 Resp: 8845
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 24.2 36.4#



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: 53.298 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.01 min

Lab File: VY001537.D

Acq: 06 Feb 2020 17:41

Instrument :

MSVOA_Y

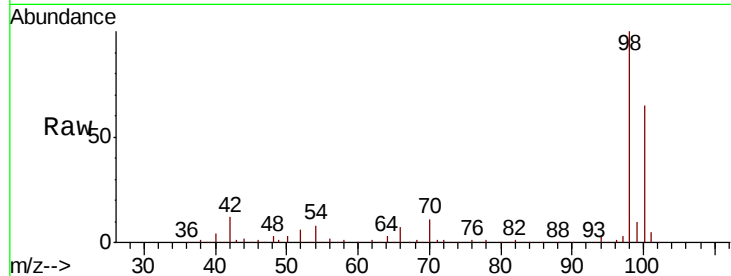
ClientSampleId :

Tot Ion: 98 Resp: 199804

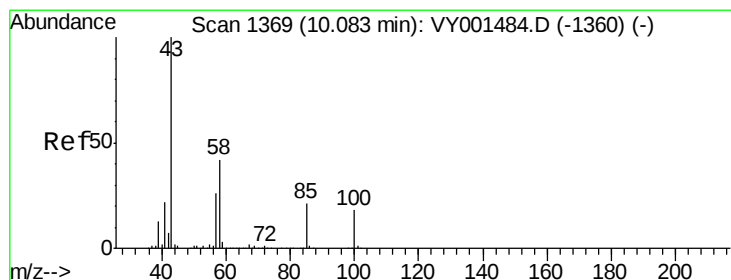
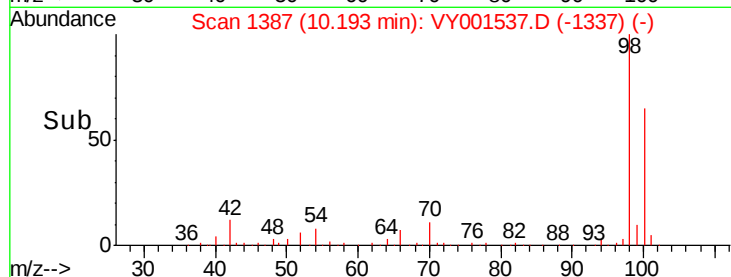
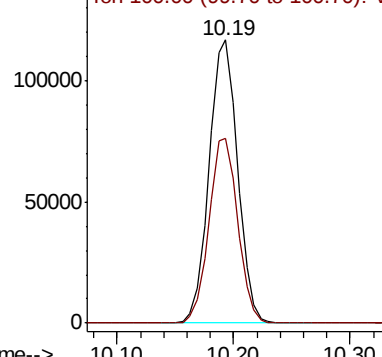
Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VY001484.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.026 ug/l

RT: 10.10 min Scan# 1371

Delta R.T. 0.01 min

Lab File: VY001537.D

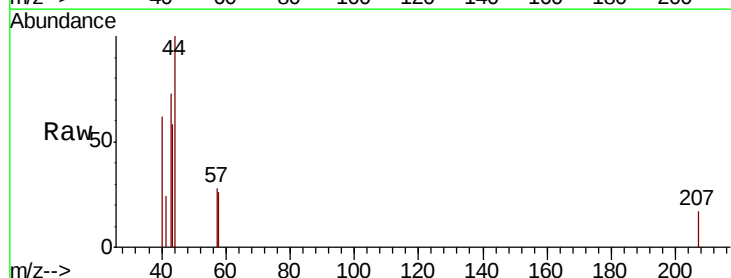
Acq: 06 Feb 2020 17:41

Tgt Ion: 43 Resp: 761

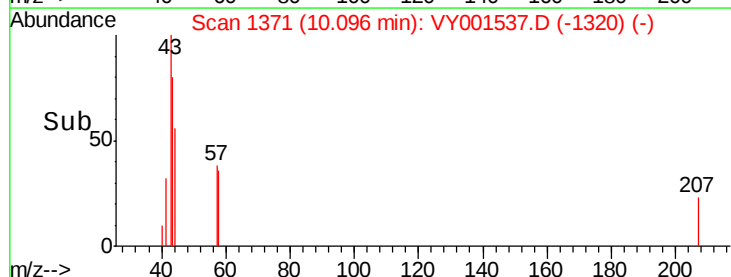
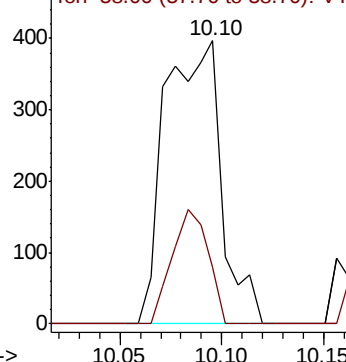
Ion Ratio Lower Upper

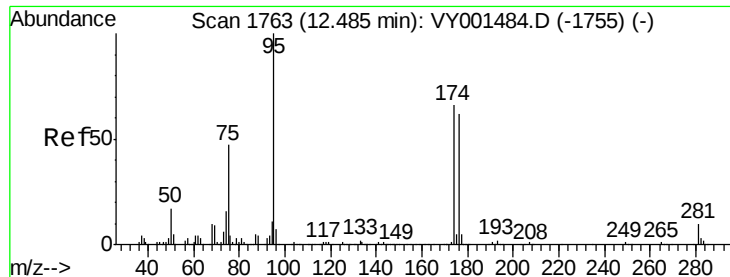
43 100

58 26.0 33.9 50.9#



Abundance Ion 43.00 (42.70 to 43.70): VY001484.D (-1360) (-)

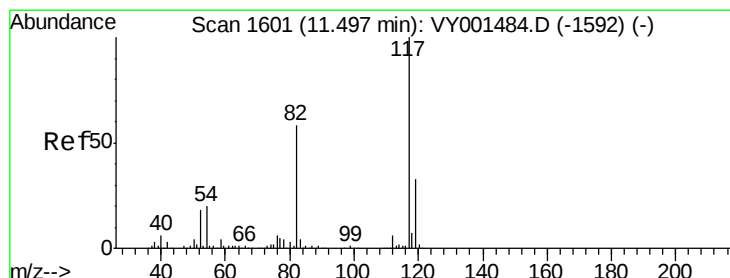
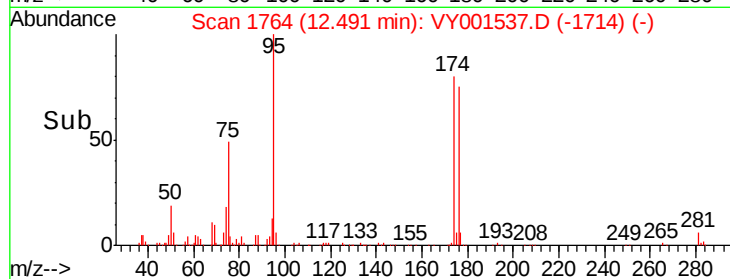
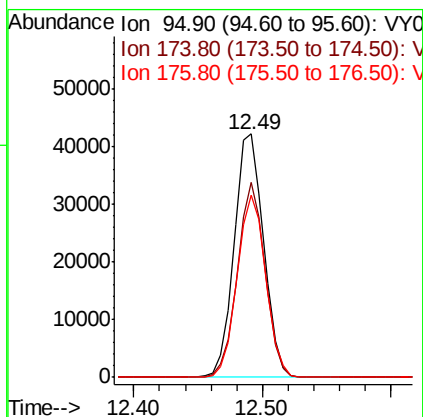
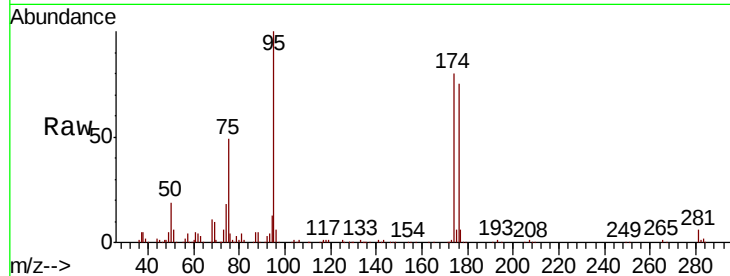




#62
4-Bromofluorobenzene
Concen: 45.430 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001537.D
Acq: 06 Feb 2020 17:41

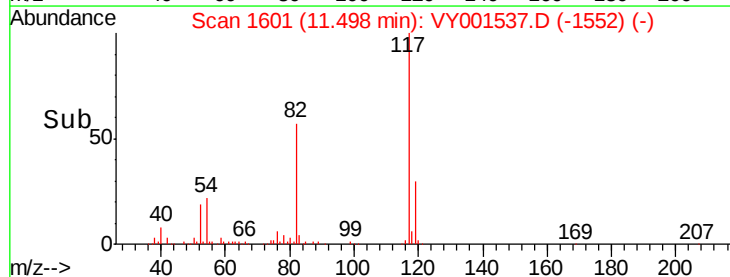
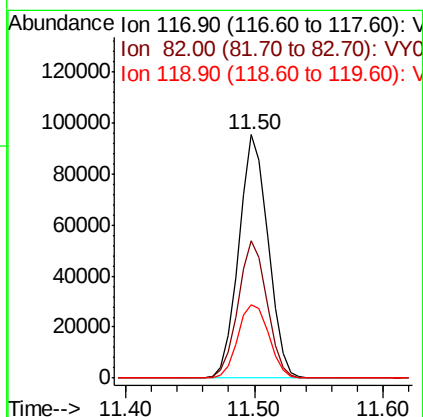
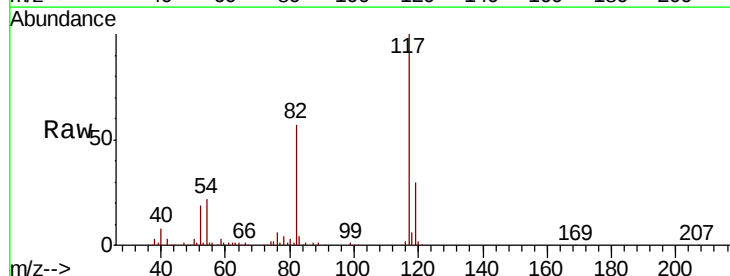
Instrument :
MSVOA_Y
ClientSampled :

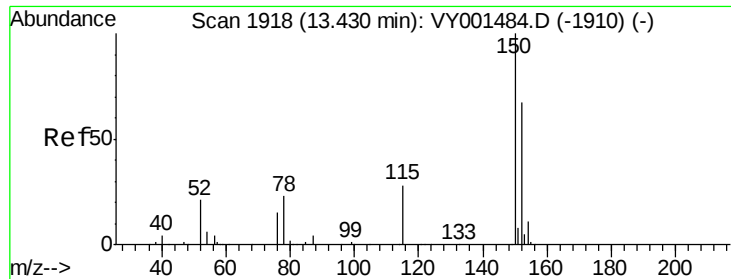
Tot Ion: 95 Resp: 67092
Ion Ratio Lower Upper
95 100
174 74.8 0.0 141.4
176 72.5 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001537.D
Acq: 06 Feb 2020 17:41

Tgt Ion: 117 Resp: 150060
Ion Ratio Lower Upper
117 100
82 56.6 46.1 69.1
119 30.3 26.1 39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY001537.D

Acq: 06 Feb 2020 17:41

Instrument :

MSVOA_Y

ClientSampleId :

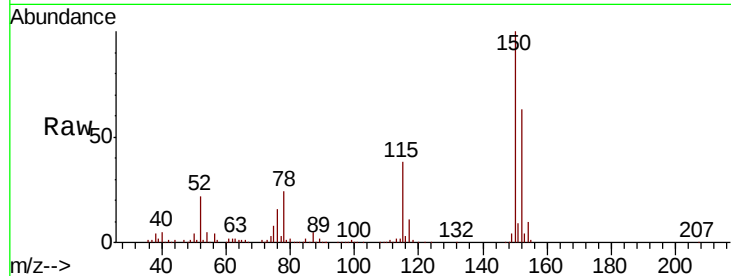
Tot Ion:152 Resp: 59226

Ion Ratio Lower Upper

152 100

115 61.6 31.4 94.3

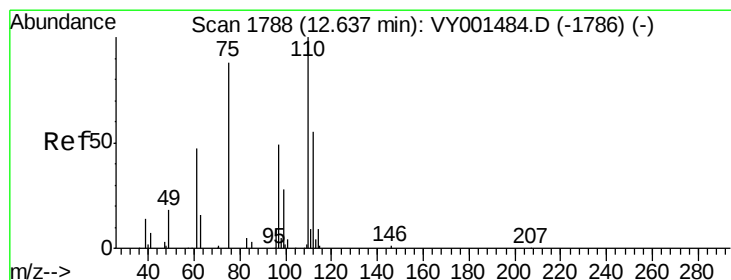
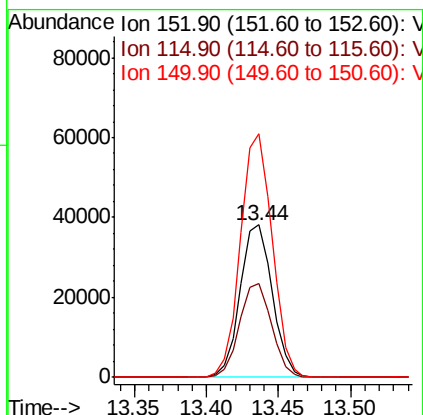
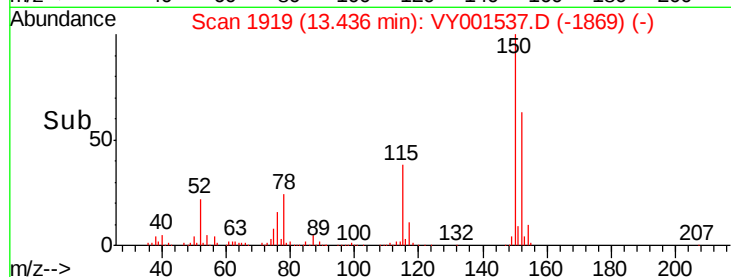
150 157.3 0.0 346.8



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: 52.233 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001537.D

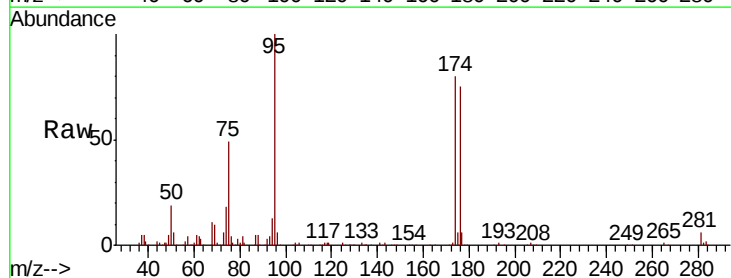
Acq: 06 Feb 2020 17:41

Tgt Ion: 75 Resp: 33268

Ion Ratio Lower Upper

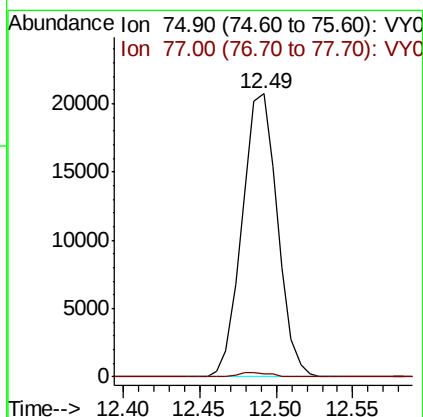
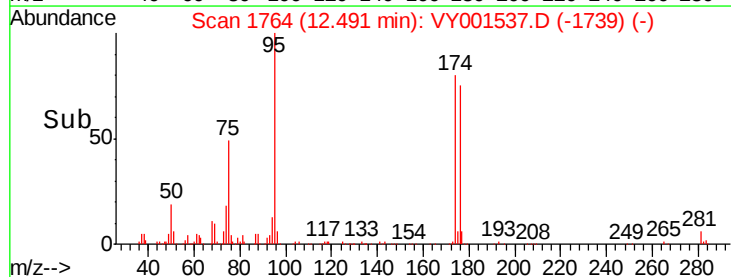
75 100

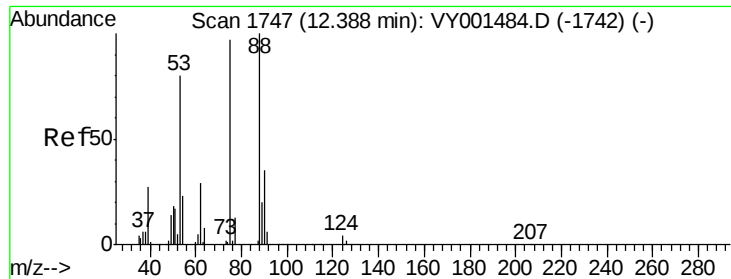
77 1.4 0.0 0.0#



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: 101.068 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY001537.D
 Acq: 06 Feb 2020 17:41

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 33268
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.1 34.6 52.0#

