

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002238.D
 Acq On : 06 Apr 2020 15:39
 Operator : SY/MD
 Sample : L2169-03
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 07 04:25:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 07:11:05 2020
 Response via : Initial Calibration

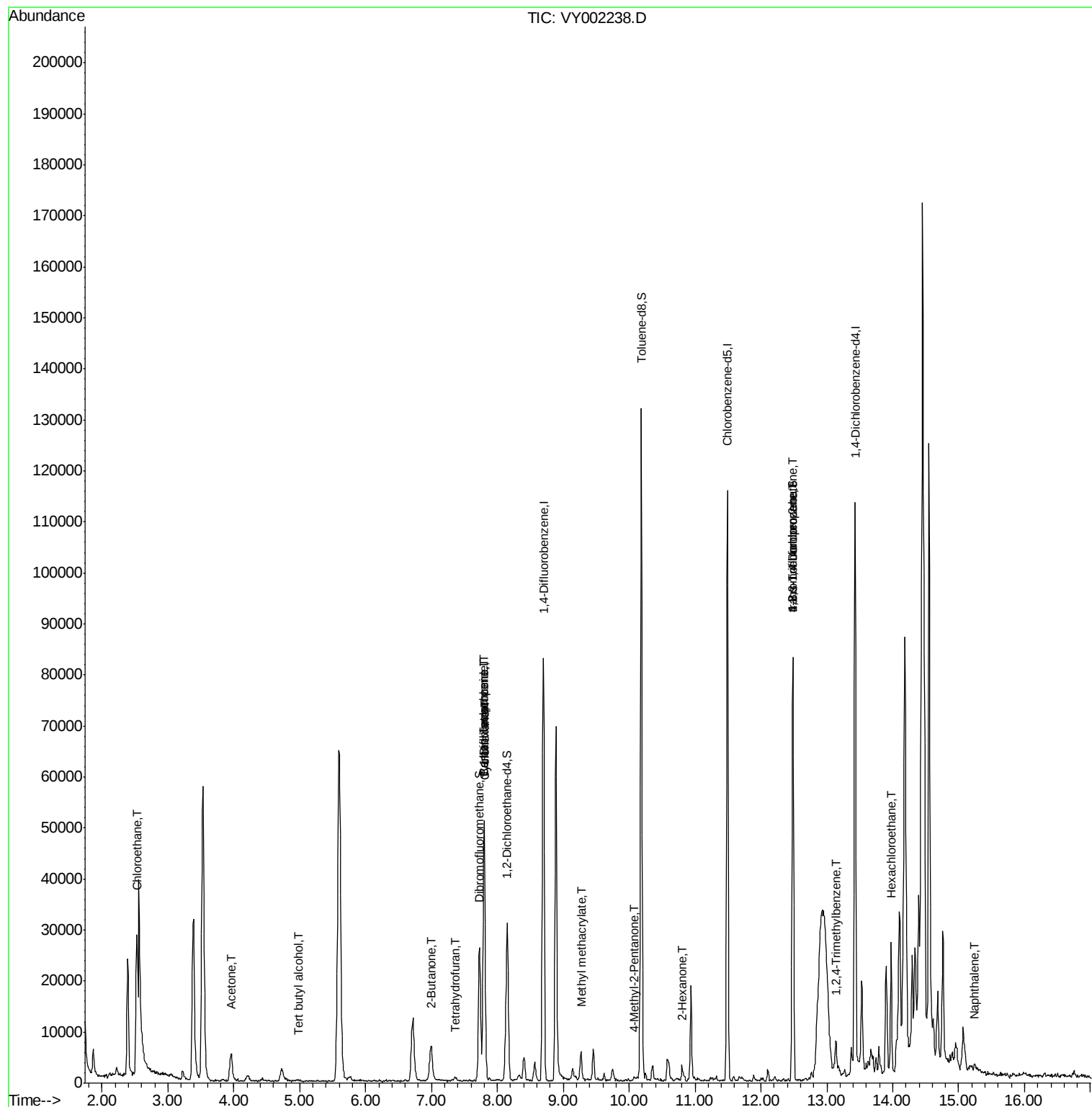
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	38599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	70635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	60451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	25482	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	20958	49.12	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.24%	
35) Dibromofluoromethane	7.73	113	18963	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	
50) Toluene-d8	10.18	98	85774	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	
62) 4-Bromofluorobenzene	12.49	95	25738	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
Target Compounds						
					Qvalue	
6) Chloroethane	2.53	64	2701	9.169	ug/l #	76
11) Tert butyl alcohol	4.97	59	337	6.702	ug/l #	74
16) Acetone	3.96	43	9699	80.905	ug/l	95
20) Methylene Chloride	4.72	84	1824	Below Cal	#	75
25) 2-Butanone	7.01	43	2135	11.598	ug/l	92
29) Tetrahydrofuran	7.36	42	662	5.485	ug/l #	64
31) Cyclohexane	7.81	56	1043	1.173	ug/l #	26
36) 1,1-Dichloropropene	7.80	75	3417	5.114	ug/l #	49
38) Carbon Tetrachloride	7.80	117	3939	6.949	ug/l #	21
48) Methyl methacrylate	9.27	41	1857	5.530	ug/l #	35
51) 4-Methyl-2-Pentanone	10.07	43	620	1.607	ug/l	96
59) 2-Hexanone	10.80	43	2899	10.666	ug/l #	23
76) 1,2,3-Trichloropropane	12.48	75	13484	47.306	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	13484	91.648	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.14	105	3335	2.143	ug/l #	46
90) Hexachloroethane	13.98	117	534	1.712	ug/l #	19
95) Naphthalene	15.24	128	1179	1.056	ug/l #	91

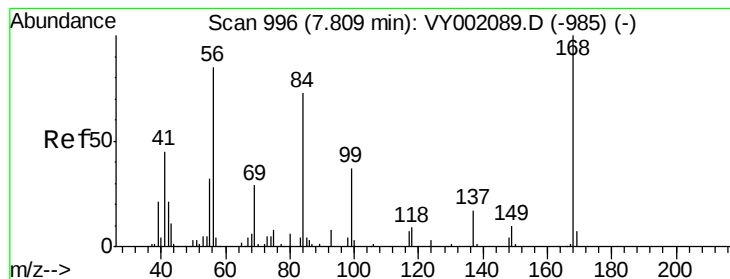
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
Data File : VY002238.D
Acq On : 06 Apr 2020 15:39
Operator : SY/MD
Sample : L2169-03
Misc : 5.03G/5ML/MSVOA Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Apr 07 04:25:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y032620S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 07:11:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002238.D

Acq: 06 Apr 2020 15:39

Instrument :

MSVOA_Y

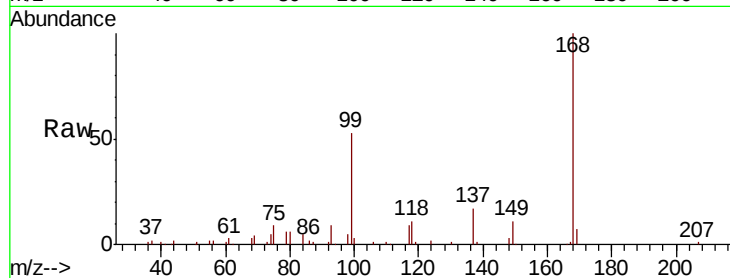
ClientSampled :

Tot Ion:168 Resp: 38599

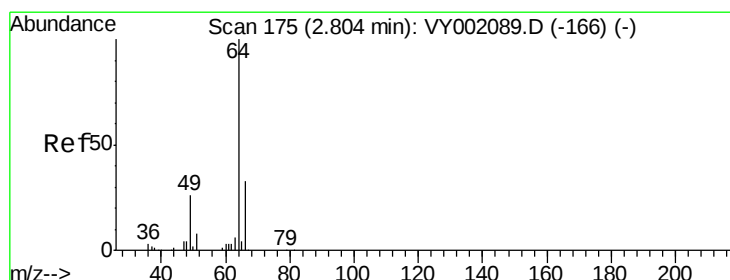
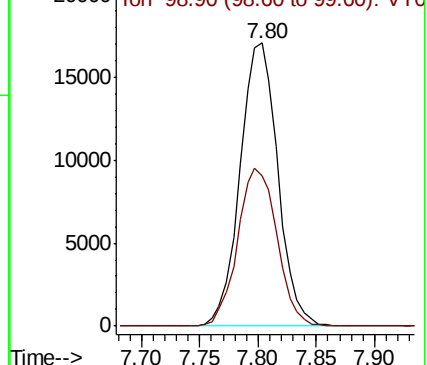
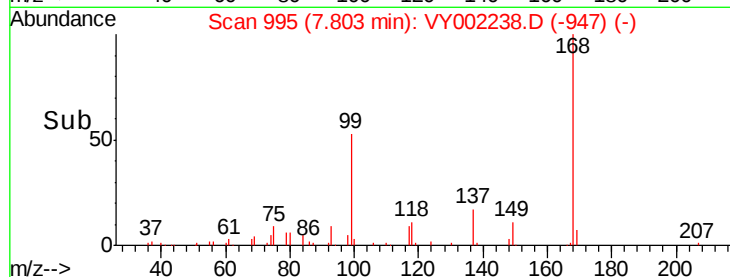
Ion Ratio Lower Upper

168 100

99 53.1 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002238.D (-947) (-)



#6

Chloroethane

Concen: 9.169 ug/l

RT: 2.53 min Scan# 130

Delta R.T. -0.27 min

Lab File: VY002238.D

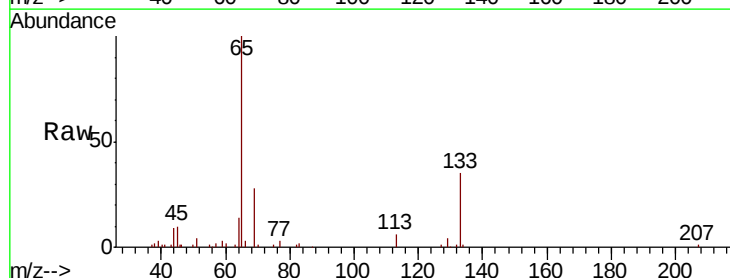
Acq: 06 Apr 2020 15:39

Tgt Ion: 64 Resp: 2701

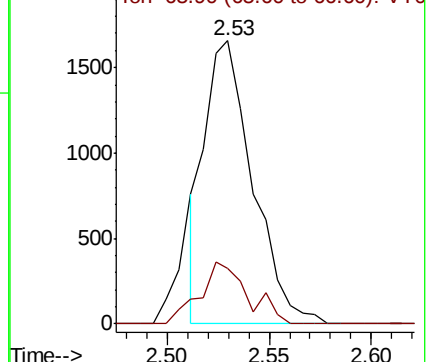
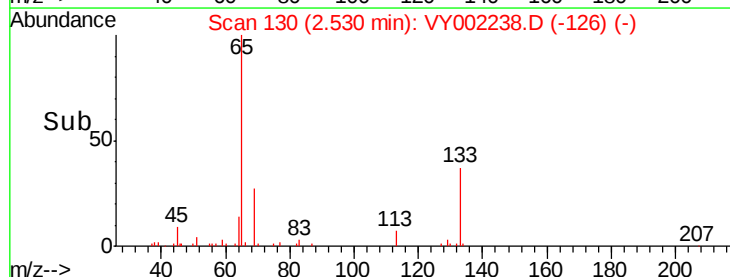
Ion Ratio Lower Upper

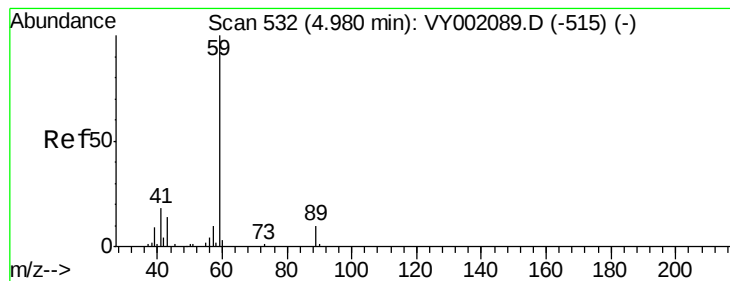
64 100

66 19.7 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VY002238.D (-126) (-)



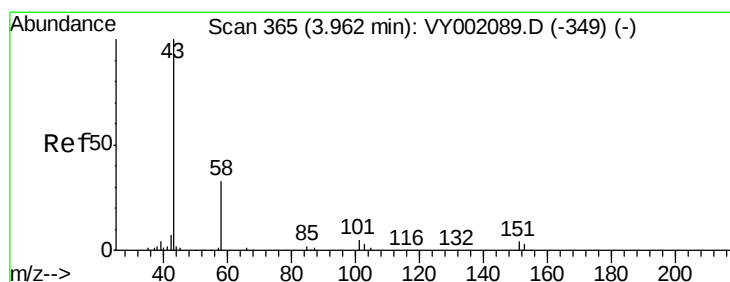
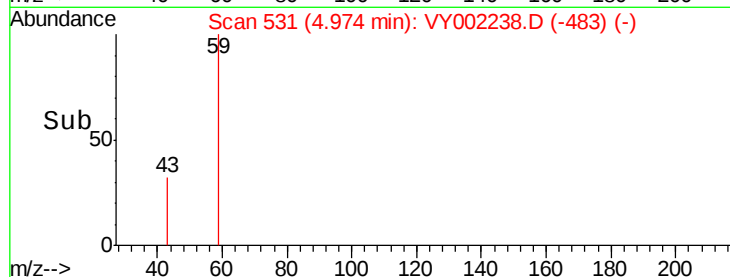
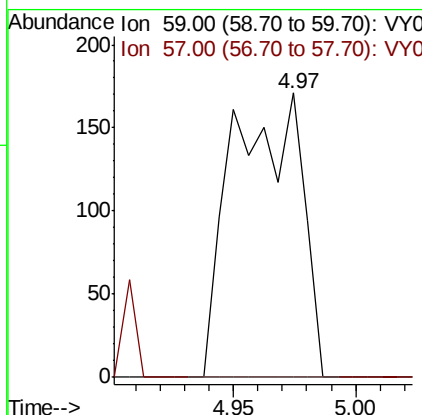
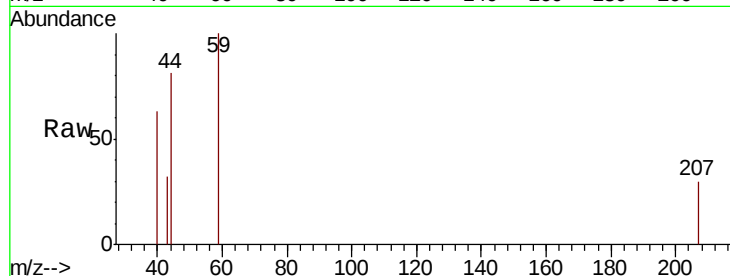


#11

Tert butyl alcohol
 Concen: 6.702 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VY002238.D
 Acq: 06 Apr 2020 15:39

Instrument :
 MSVOA_Y
 ClientSampleId :

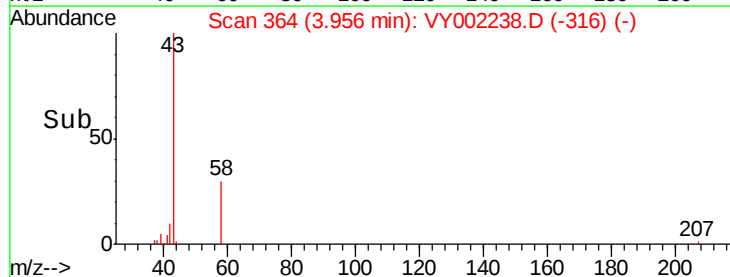
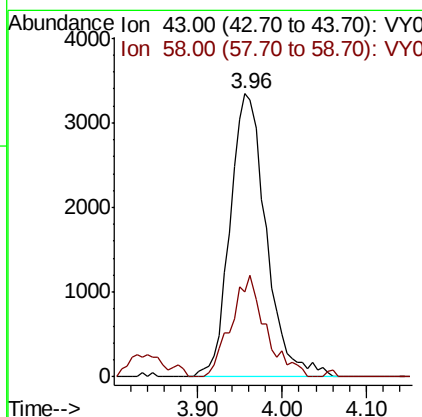
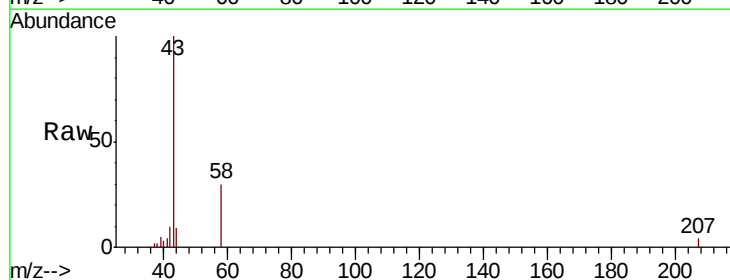
Tot Ion: 59 Resp: 337
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

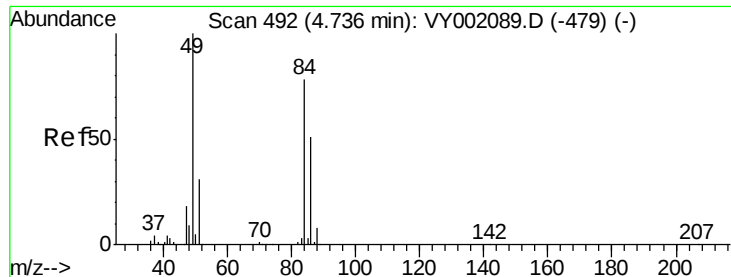


#16

Acetone
 Concen: 80.905 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VY002238.D
 Acq: 06 Apr 2020 15:39

Tgt Ion: 43 Resp: 9699
 Ion Ratio Lower Upper
 43 100
 58 29.9 26.3 39.5

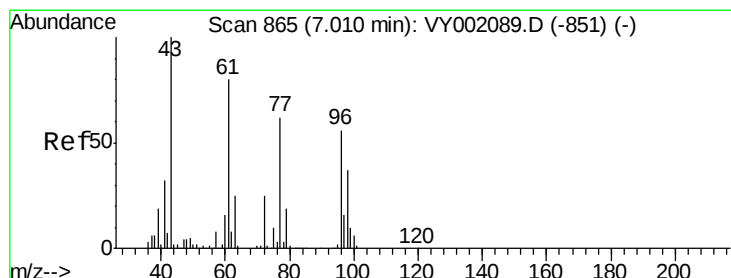
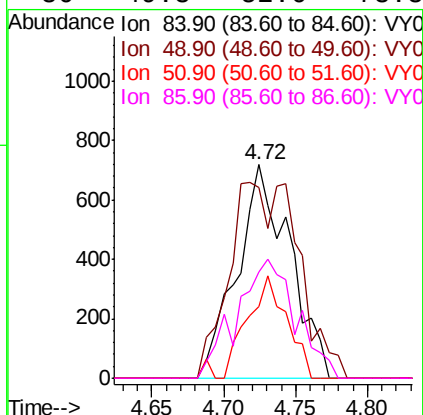
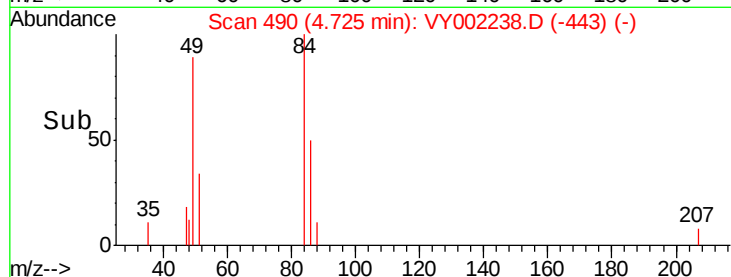
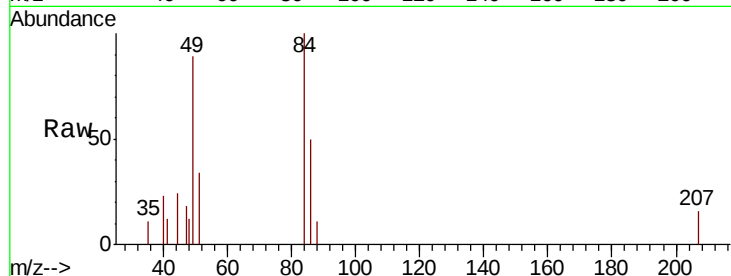




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. -0.01 min
Lab File: VY002238.D
Acq: 06 Apr 2020 15:39

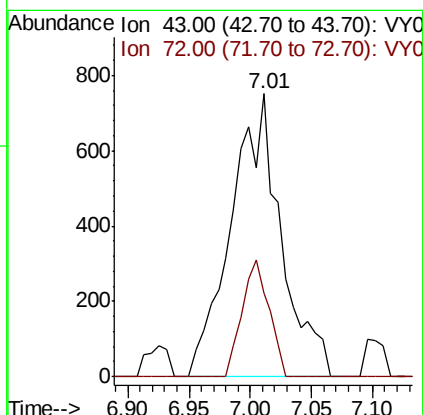
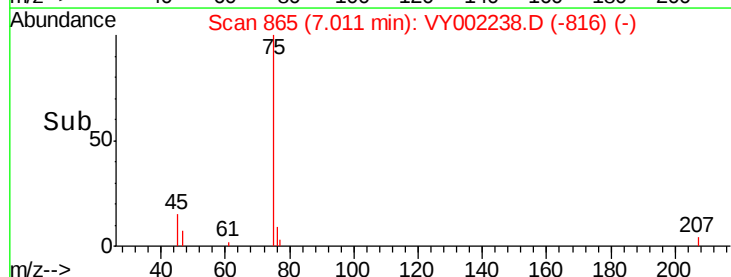
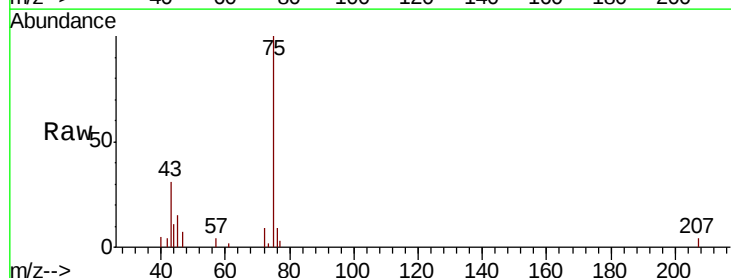
Instrument :
MSVOA_Y
ClientSampleId :

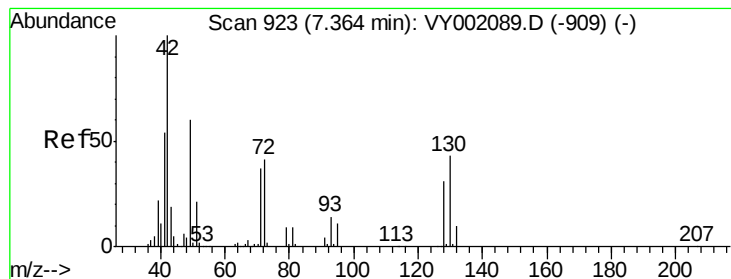
Tot Ion: 84 Resp: 1824
Ion Ratio Lower Upper
84 100
49 89.4 102.2 153.4#
51 33.8 31.2 46.8
86 49.8 52.6 78.8#



#25
2-Butanone
Concen: 11.598 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.00 min
Lab File: VY002238.D
Acq: 06 Apr 2020 15:39

Tgt Ion: 43 Resp: 2135
Ion Ratio Lower Upper
43 100
72 29.4 20.2 30.2





#29

Tetrahydrofuran

Concen: 5.485 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.01 min

Lab File: VY002238.D

Acq: 06 Apr 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

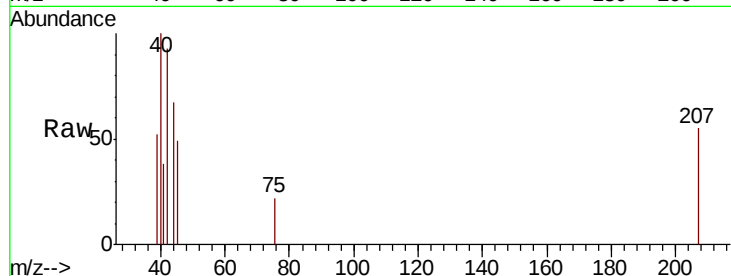
Tot Ion: 42 Resp: 662

Ion Ratio Lower Upper

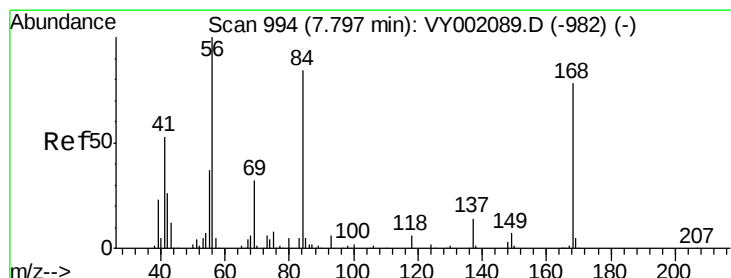
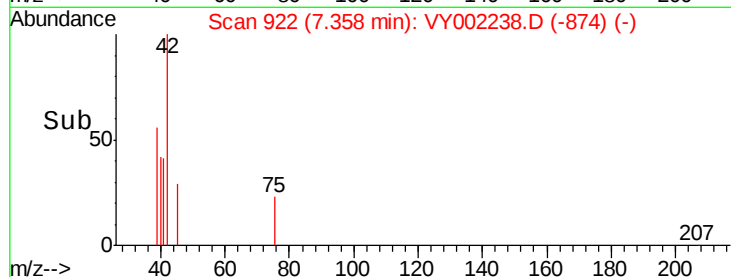
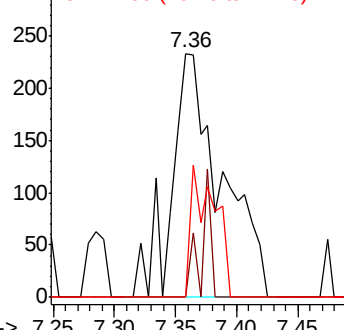
42 100

72 10.1 33.0 49.4#

71 26.1 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002238.D

Acq: 06 Apr 2020 15:39

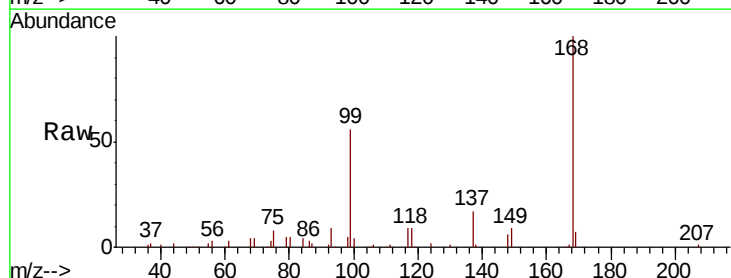
Tgt Ion: 56 Resp: 1043

Ion Ratio Lower Upper

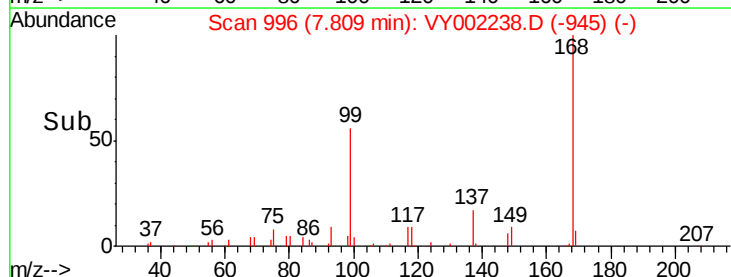
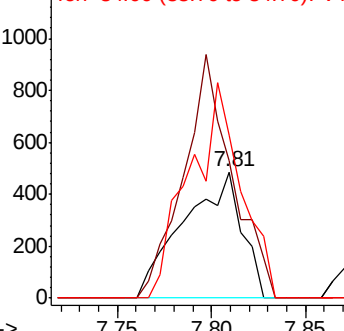
56 100

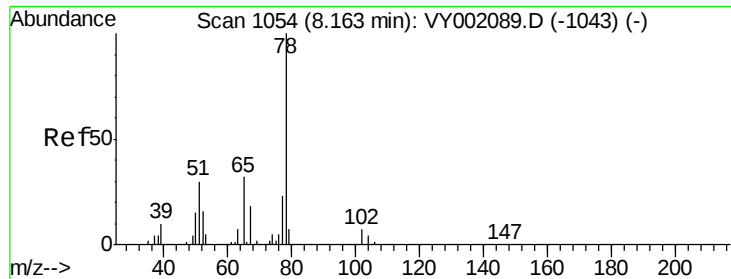
69 108.8 25.8 38.8#

84 129.2 67.1 100.7#



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

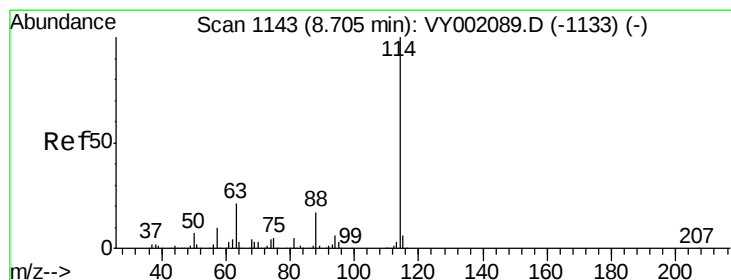
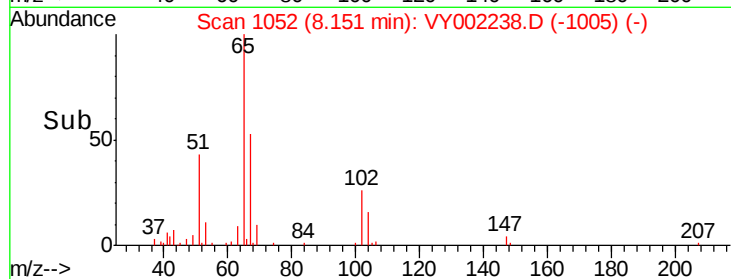
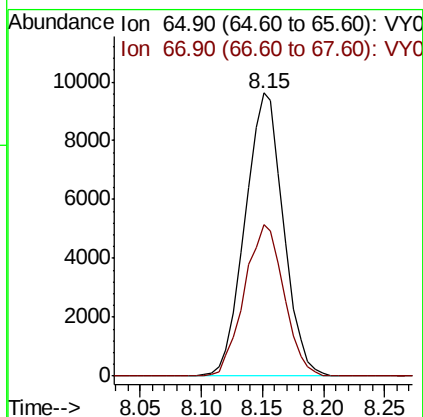
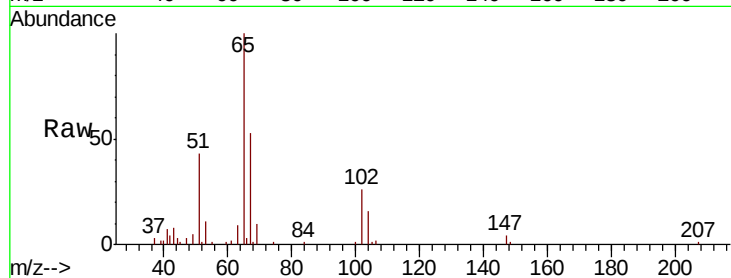




#33
 1,2-Dichloroethane-d4
 Concen: 49.116 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002238.D
 Acq: 06 Apr 2020 15:39

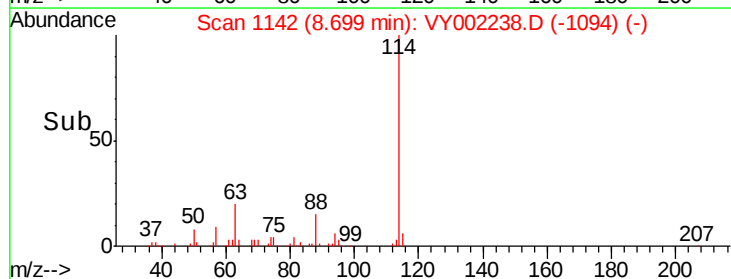
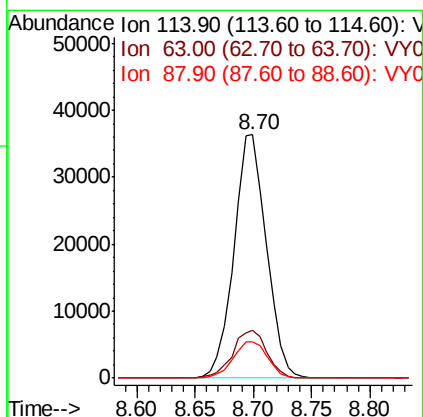
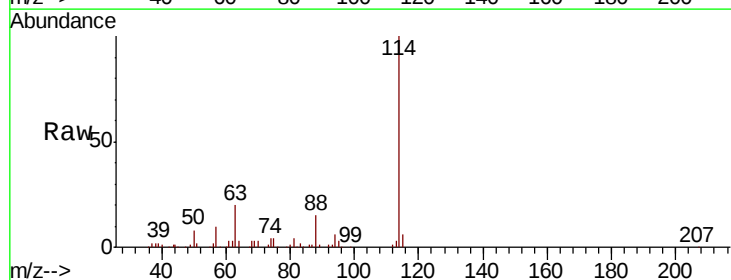
Instrument :
 MSVOA_Y
 ClientSampleId :

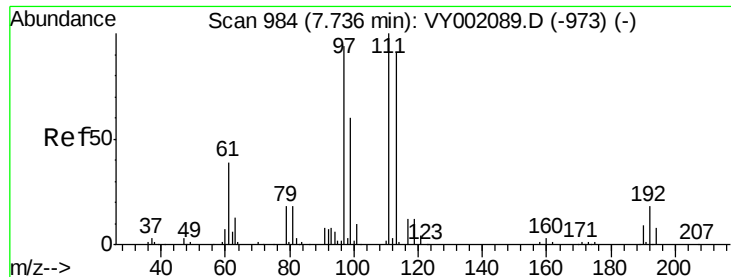
Tot Ion: 65 Resp: 20958
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002238.D
 Acq: 06 Apr 2020 15:39

Tgt Ion: 114 Resp: 70635
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.1 0.0 33.0

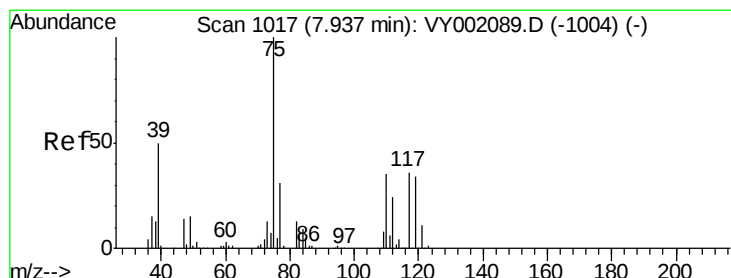
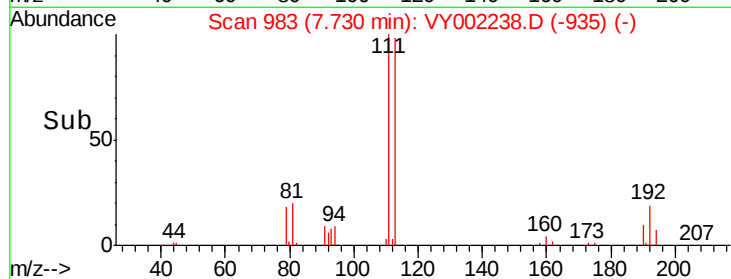
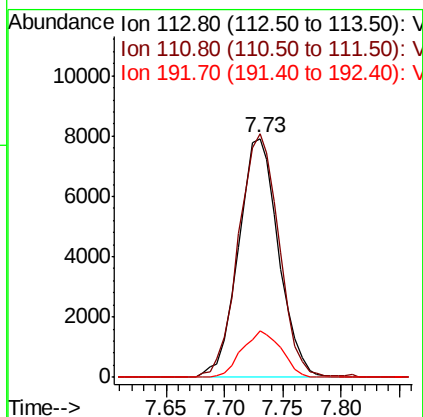
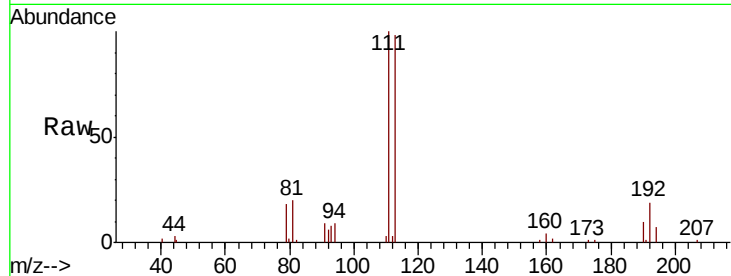




#35
 Dibromofluoromethane
 Concen: 47.913 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002238.D
 Acq: 06 Apr 2020 15:39

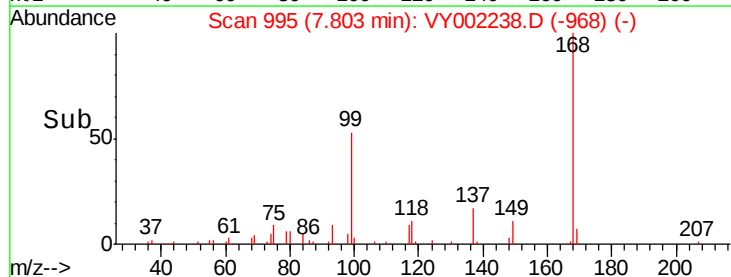
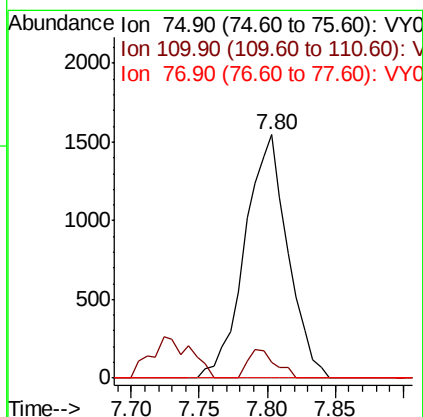
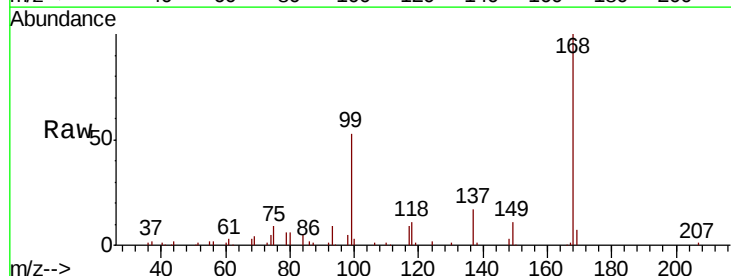
Instrument :
 MSVOA_Y
 ClientSampleId :

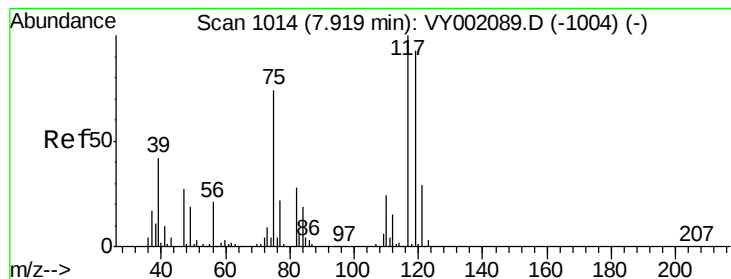
Tot Ion:113 Resp: 18963
 Ion Ratio Lower Upper
 113 100
 111 102.7 84.4 126.6
 192 18.9 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 5.114 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY002238.D
 Acq: 06 Apr 2020 15:39

Tgt Ion: 75 Resp: 3417
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.2 51.6#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.949 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY002238.D

Acq: 06 Apr 2020 15:39

Instrument :

MSVOA_Y

ClientSampleId :

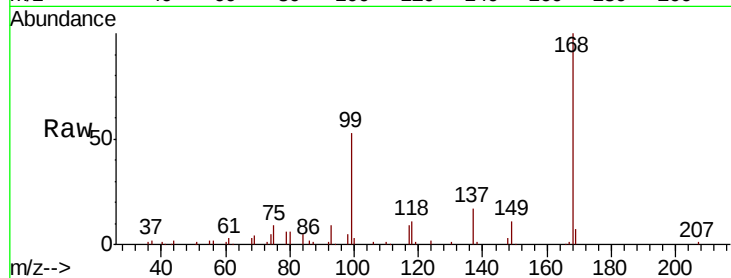
Tot Ion:117 Resp: 3939

Ion Ratio Lower Upper

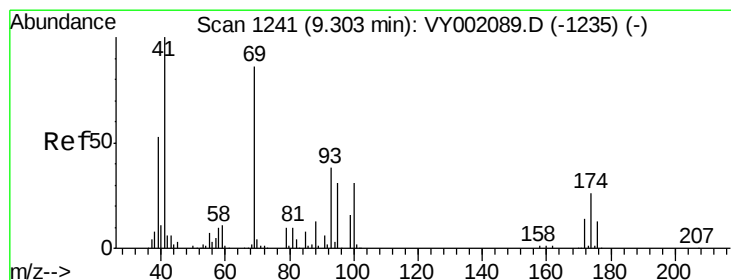
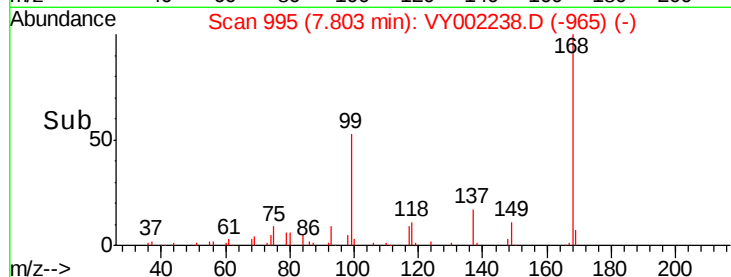
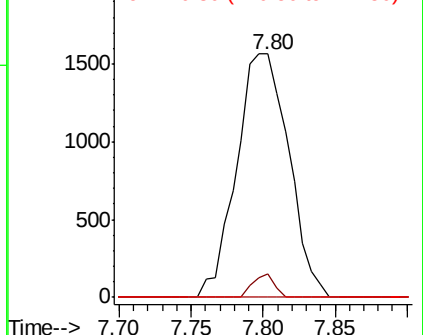
117 100

119 9.5 74.3 111.5#

121 0.0 23.3 34.9#



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



#48

Methyl methacrylate

Concen: 5.530 ug/l

RT: 9.27 min Scan# 1236

Delta R.T. -0.03 min

Lab File: VY002238.D

Acq: 06 Apr 2020 15:39

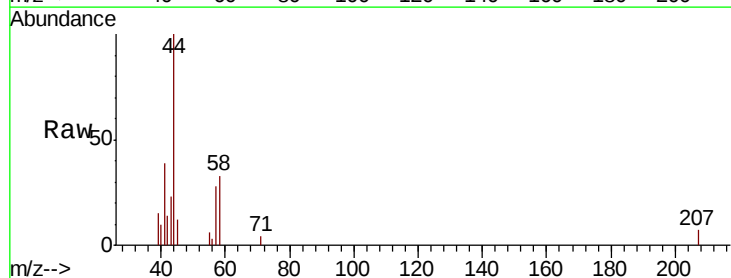
Tgt Ion: 41 Resp: 1857

Ion Ratio Lower Upper

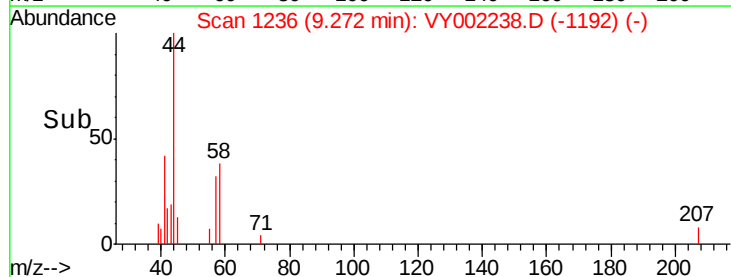
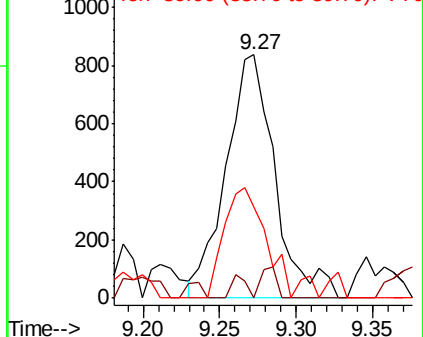
41 100

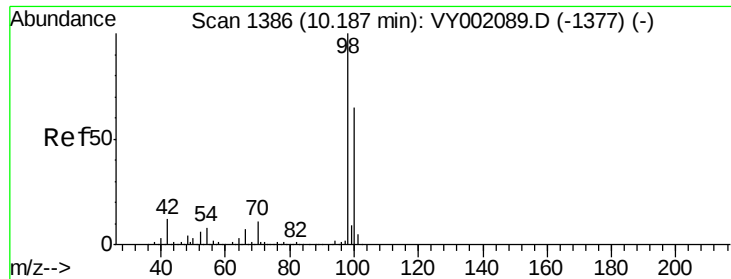
69 2.7 71.4 107.0#

39 39.7 41.0 61.4#



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#50

Toluene-d8

Concen: 52.169 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY002238.D

Acq: 06 Apr 2020 15:39

Instrument :

MSVOA_Y

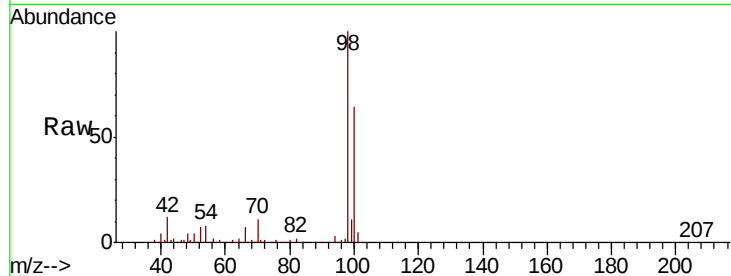
ClientSampled :

Tot Ion: 98 Resp: 85774

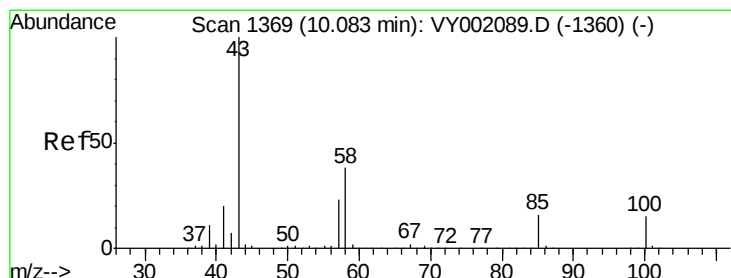
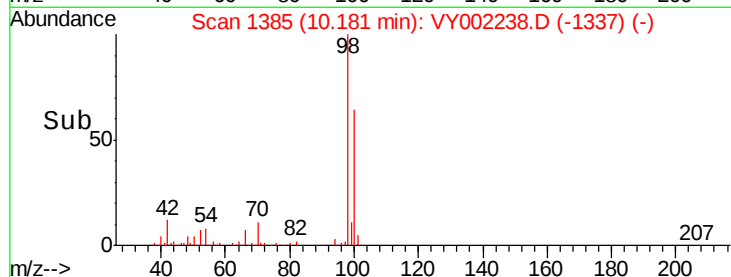
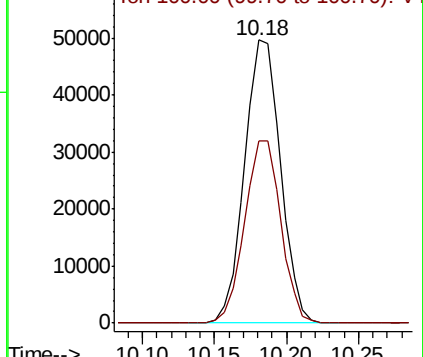
Ion Ratio Lower Upper

98 100

100 65.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VY002089.D (-1377) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.607 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002238.D

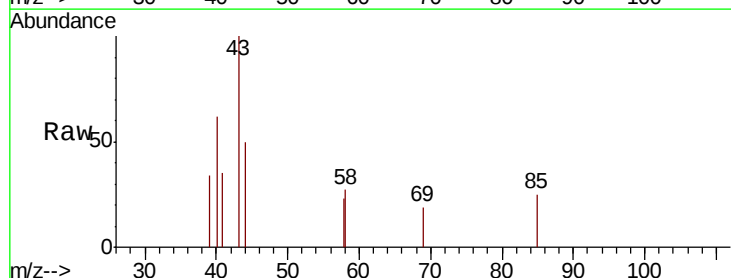
Acq: 06 Apr 2020 15:39

Tgt Ion: 43 Resp: 620

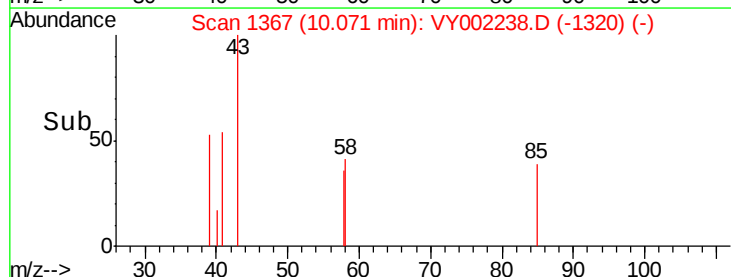
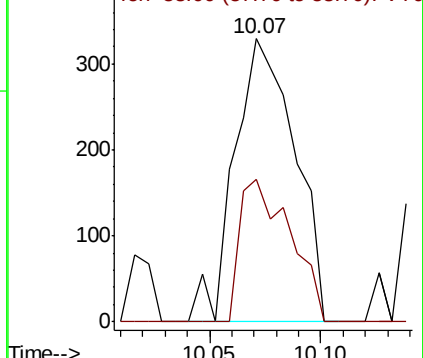
Ion Ratio Lower Upper

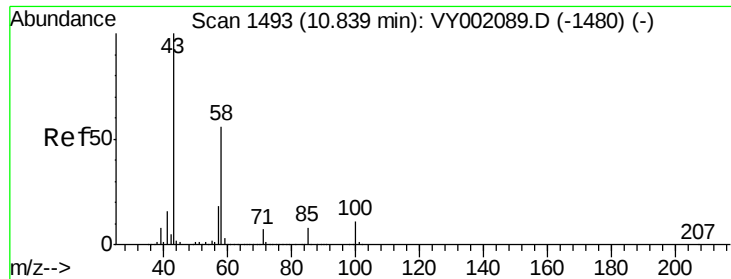
43 100

58 42.3 31.6 47.4



Abundance Ion 43.00 (42.70 to 43.70): VY002089.D (-1360) (-)

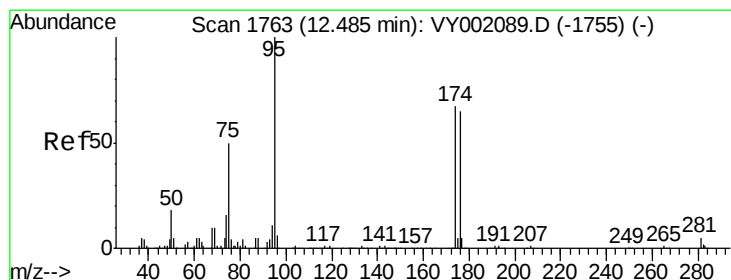
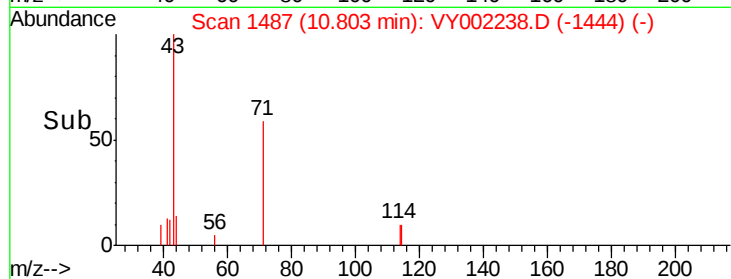
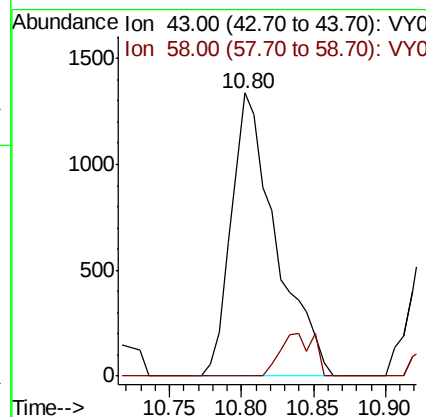
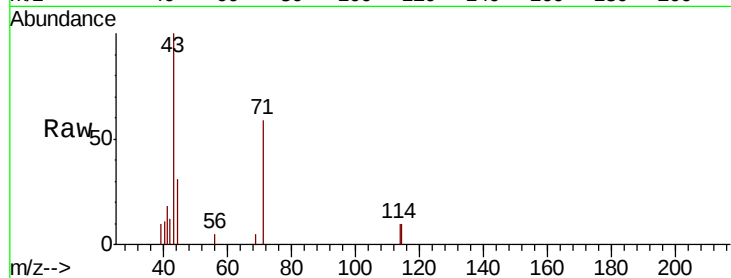




#59
2-Hexanone
Concen: 10.666 ug/l
RT: 10.80 min Scan# 1487
Delta R.T. -0.04 min
Lab File: VY002238.D
Acq: 06 Apr 2020 15:39

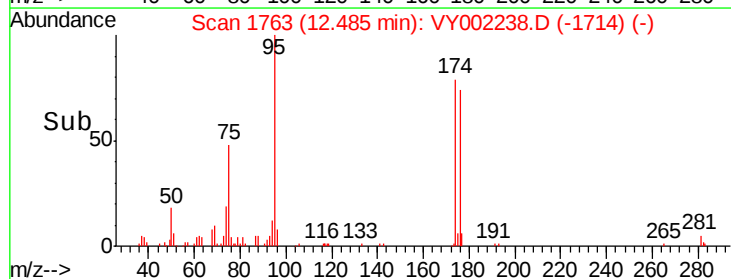
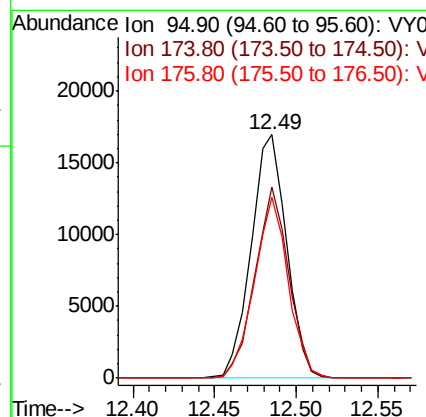
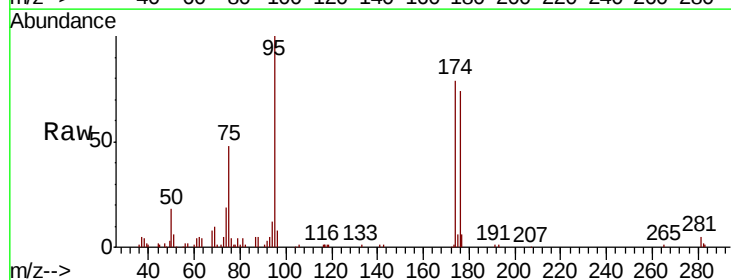
Instrument :
MSVOA_Y
ClientSampled :

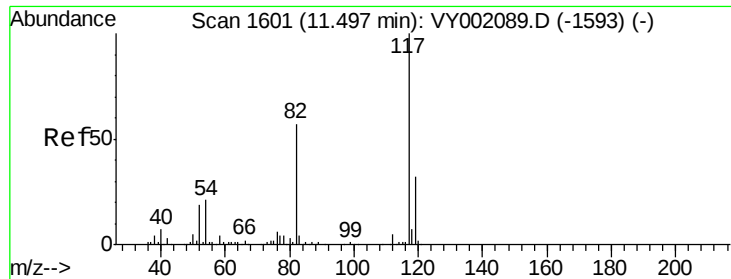
Tot Ion: 43 Resp: 2899
Ion Ratio Lower Upper
43 100
58 0.0 27.9 83.6#



#62
4-Bromofluorobenzene
Concen: 44.760 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VY002238.D
Acq: 06 Apr 2020 15:39

Tgt Ion: 95 Resp: 25738
Ion Ratio Lower Upper
95 100
174 74.8 0.0 143.4
176 71.1 0.0 137.0

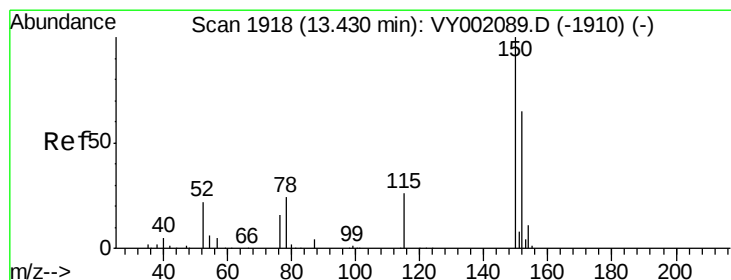
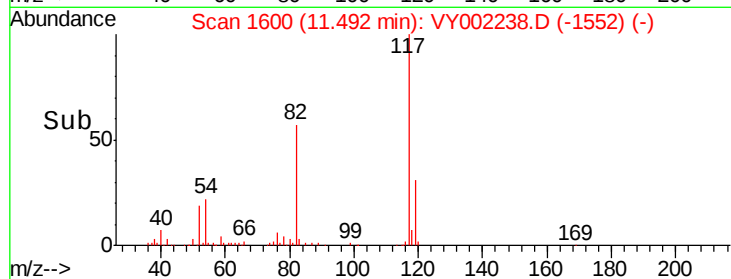
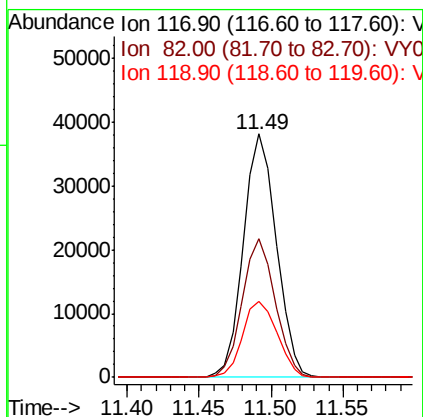
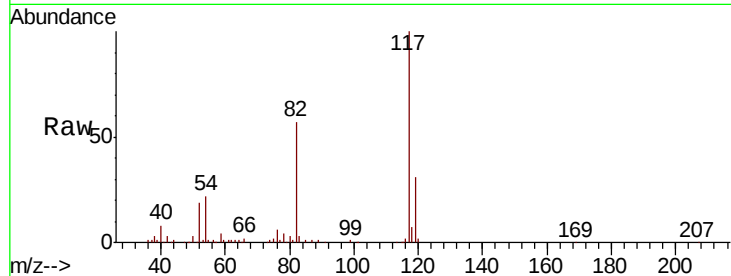




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002238.D
Acq: 06 Apr 2020 15:39

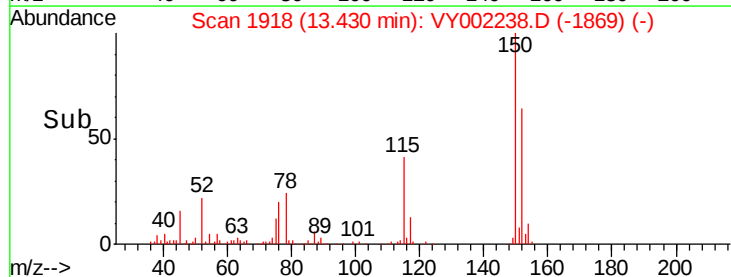
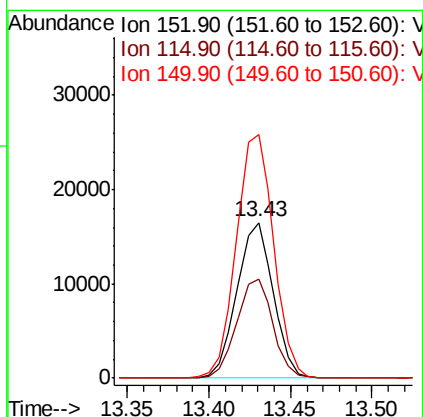
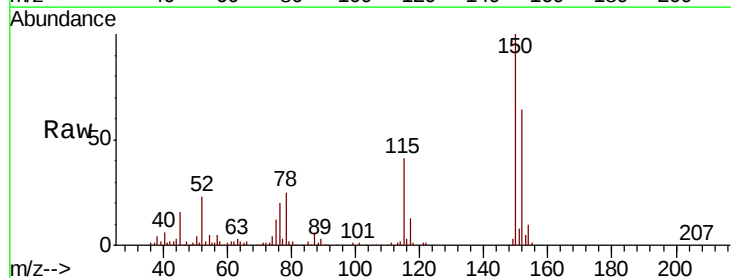
Instrument :
MSVOA_Y
ClientSampled :

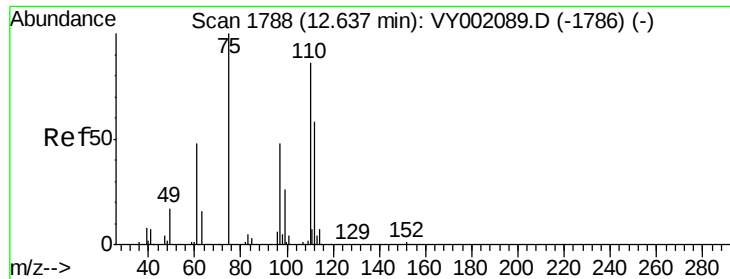
Tot Ion:117 Resp: 60451
Ion Ratio Lower Upper
117 100
82 56.8 45.4 68.2
119 31.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VY002238.D
Acq: 06 Apr 2020 15:39

Tgt Ion:152 Resp: 25482
Ion Ratio Lower Upper
152 100
115 63.6 31.2 93.6
150 161.5 0.0 354.8





#76

1,2,3-Trichloropropane

Concen: 47.306 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY002238.D

Acq: 06 Apr 2020 15:39

Instrument :

MSVOA_Y

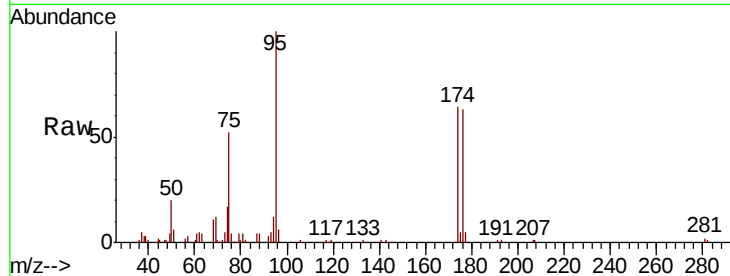
ClientSampleId :

Tot Ion: 75 Resp: 13484

Ion Ratio Lower Upper

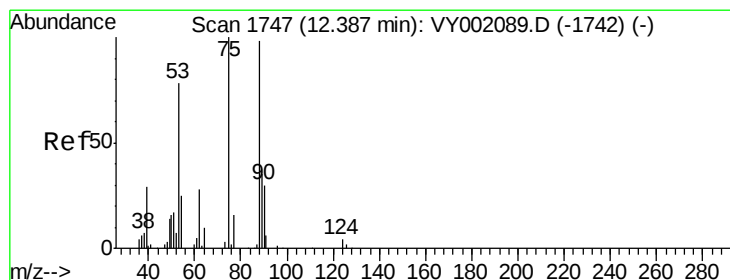
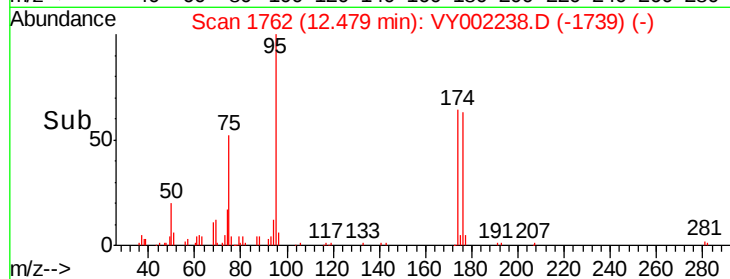
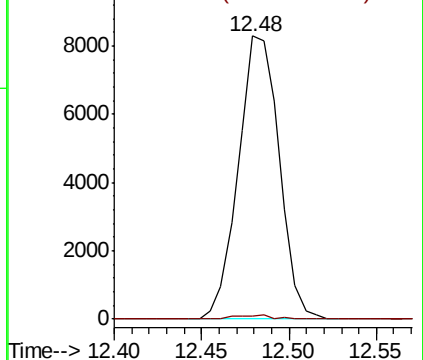
75 100

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: 91.648 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY002238.D

Acq: 06 Apr 2020 15:39

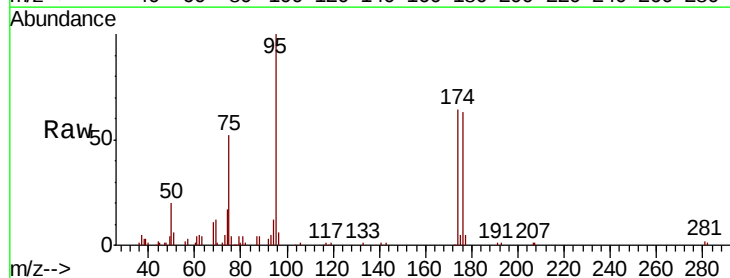
Tgt Ion: 75 Resp: 13484

Ion Ratio Lower Upper

75 100

53 0.0 65.0 97.4#

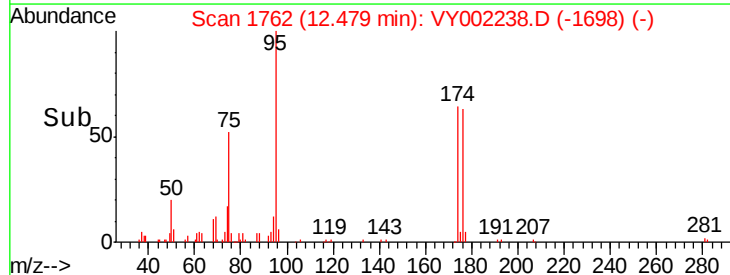
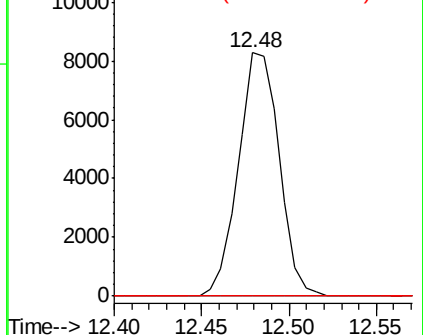
89 0.0 33.4 50.0#

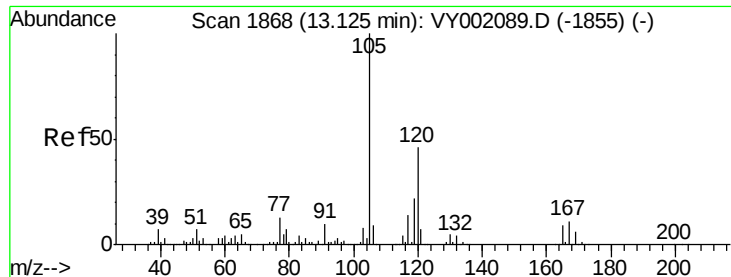


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

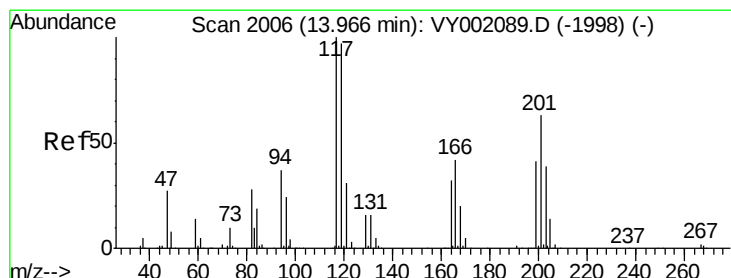
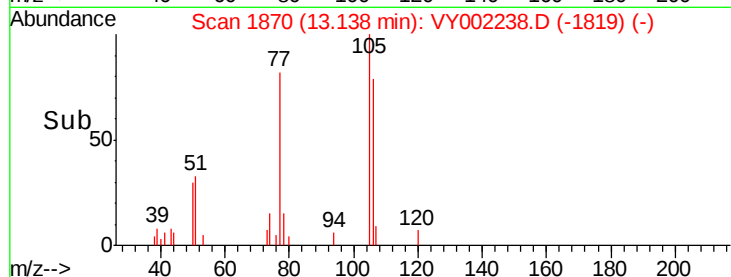
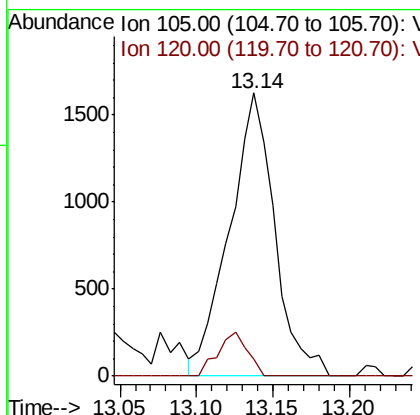
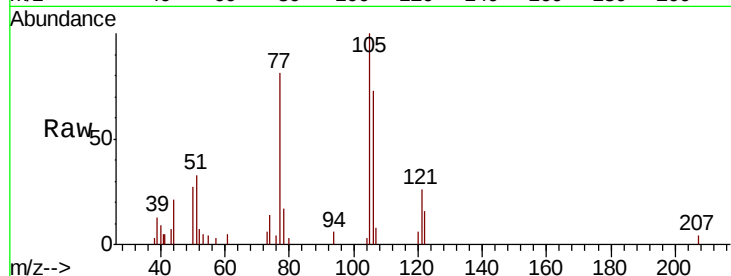




#84
 1,2,4-Trimethylbenzene
 Concen: 2.143 ug/l
 RT: 13.14 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VY002238.D
 Acq: 06 Apr 2020 15:39

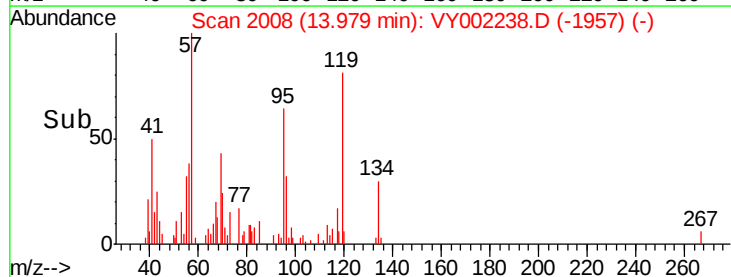
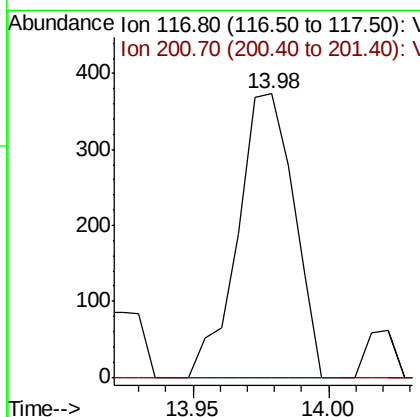
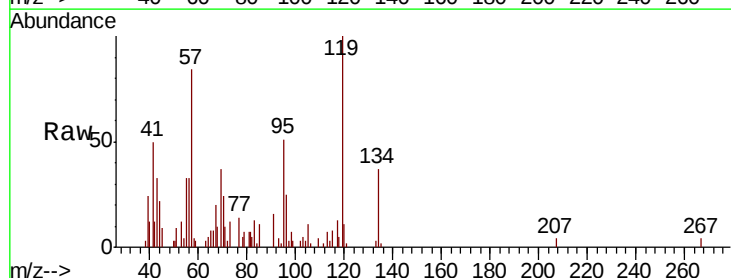
Instrument :
 MSVOA_Y
 ClientSampleId :

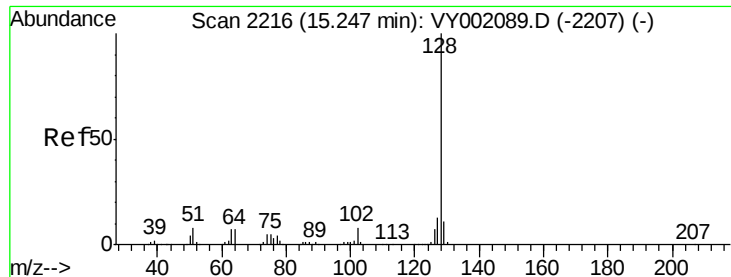
Tot Ion:105 Resp: 3335
 Ion Ratio Lower Upper
 105 100
 120 10.1 22.9 68.5#



#90
 Hexachloroethane
 Concen: 1.712 ug/l
 RT: 13.98 min Scan# 2008
 Delta R.T. 0.01 min
 Lab File: VY002238.D
 Acq: 06 Apr 2020 15:39

Tgt Ion:117 Resp: 534
 Ion Ratio Lower Upper
 117 100
 201 0.0 31.6 94.8#

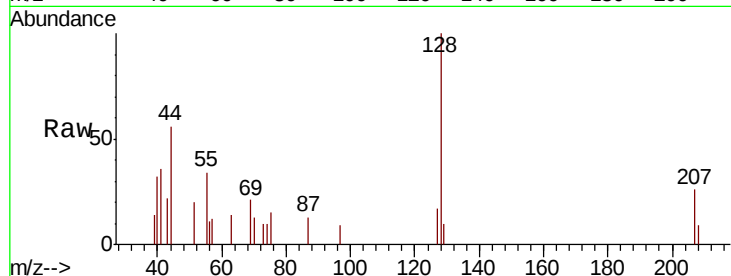




#95
Naphthalene
Concen: 1.056 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY002238.D
Acq: 06 Apr 2020 15:39

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.2	9.8	14.8#
129	6.8	8.6	13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

