

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040620\
 Data File : VY002239.D
 Acq On : 06 Apr 2020 16:01
 Operator : SY/MD
 Sample : L2169-02
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 07 04:25:46 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

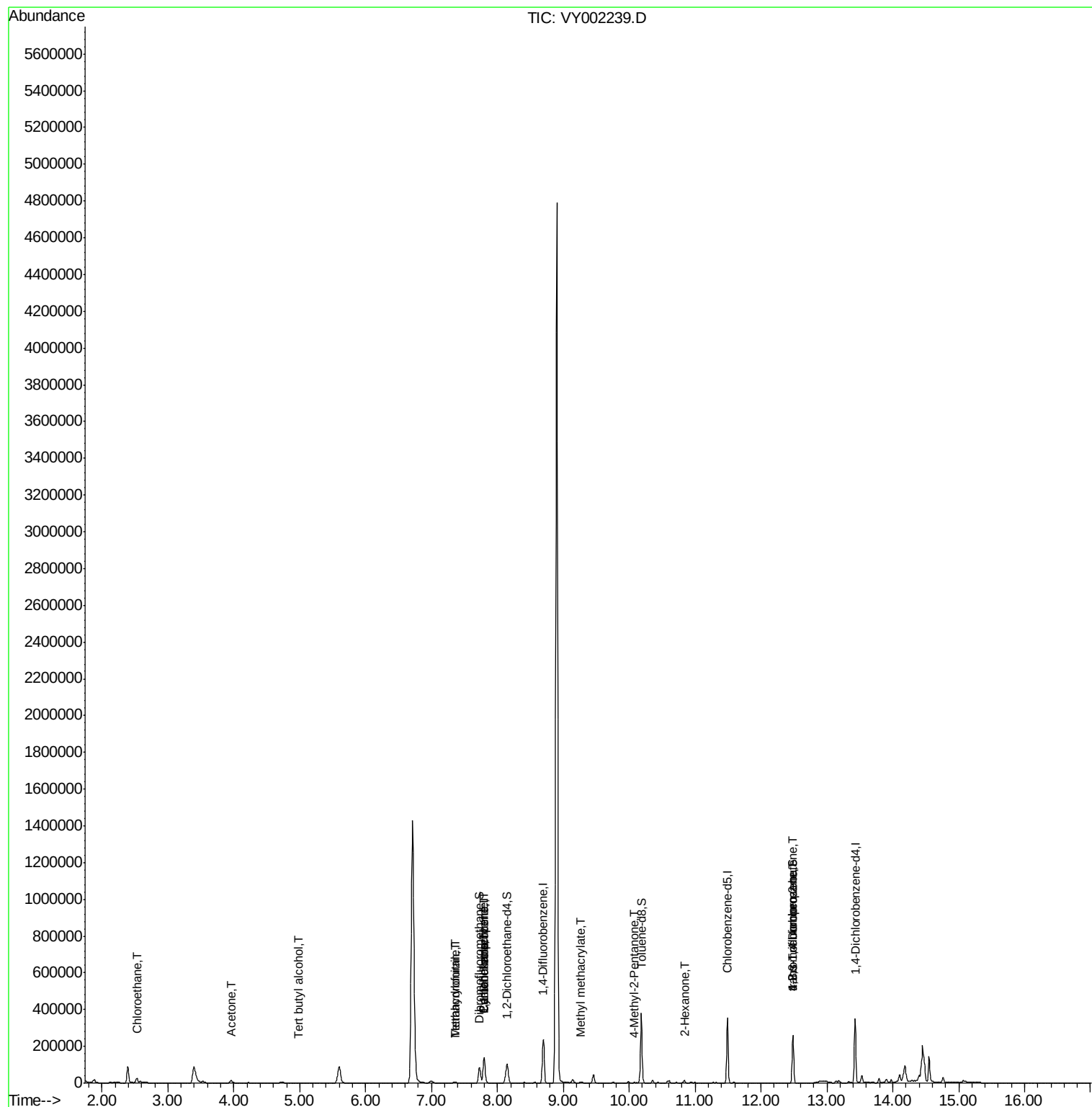
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	106507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	206077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	188346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	79336	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	63097	53.59	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	7.73	113	60516	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
50) Toluene-d8	10.18	98	251325	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.48	95	81641	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	72	Below Cal	#	43
6) Chloroethane	2.52	64	2424	2.982	ug/l #	75
11) Tert butyl alcohol	4.99	59	326	2.350	ug/l #	74
16) Acetone	3.96	43	23222	70.201	ug/l	98
20) Methylene Chloride	4.73	84	5104	Below Cal		94
29) Tetrahydrofuran	7.36	42	3940	11.831	ug/l	97
31) Cyclohexane	7.80	56	2561	1.044	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	9032	4.634	ug/l #	49
38) Carbon Tetrachloride	7.80	117	11203	6.774	ug/l #	17
41) Methacrylonitrile	7.36	41	2523	4.235	ug/l #	100
48) Methyl methacrylate	9.27	41	1414	1.443	ug/l #	33
51) 4-Methyl-2-Pentanone	10.08	43	2249	1.998	ug/l #	83
59) 2-Hexanone	10.83	43	9625	12.138	ug/l	88
76) 1,2,3-Trichloropropane	12.48	75	40768	45.939	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	40768	88.999	ug/l #	17

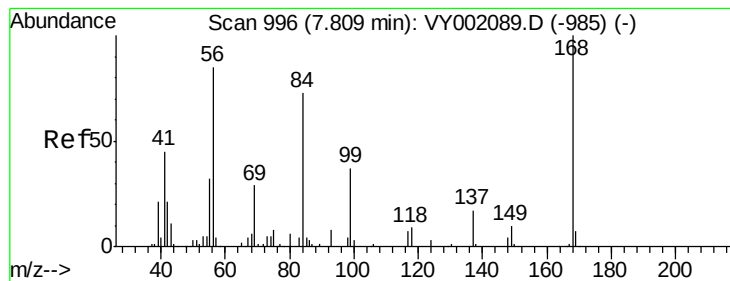
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002239.D

Acq: 06 Apr 2020 16:01

Instrument :

MSVOA_Y

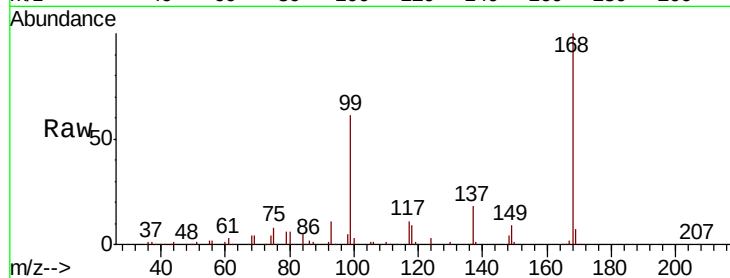
ClientSampleId :

Tot Ion:168 Resp: 106507

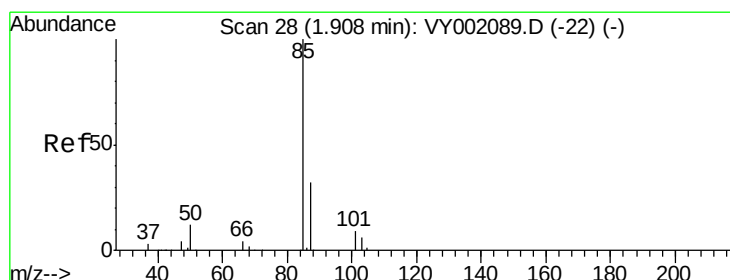
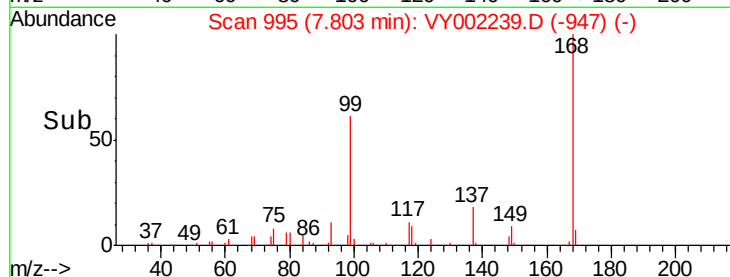
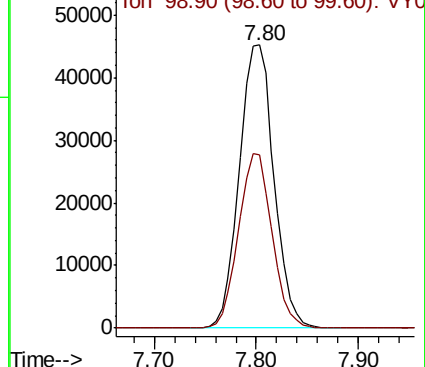
Ion Ratio Lower Upper

168 100

99 61.2 47.6 71.4



Abundance Ion 167.90 (167.60 to 168.60): VY002239.D (-947) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 29

Delta R.T. 0.01 min

Lab File: VY002239.D

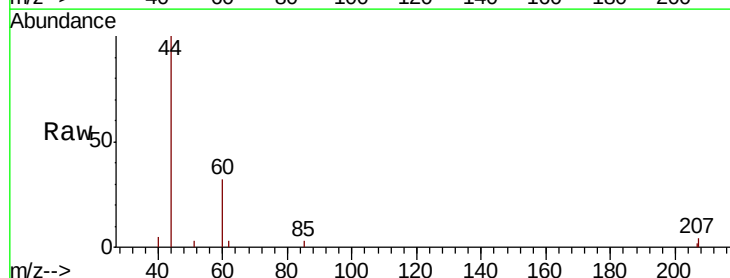
Acq: 06 Apr 2020 16:01

Tgt Ion: 85 Resp: 72

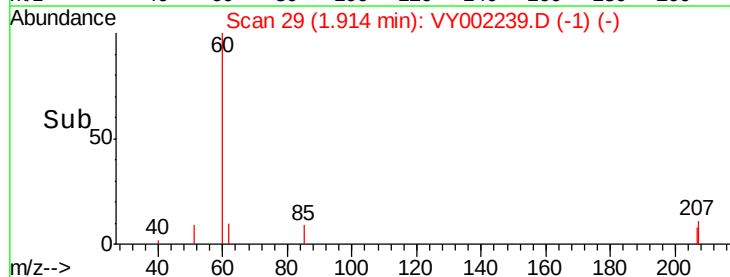
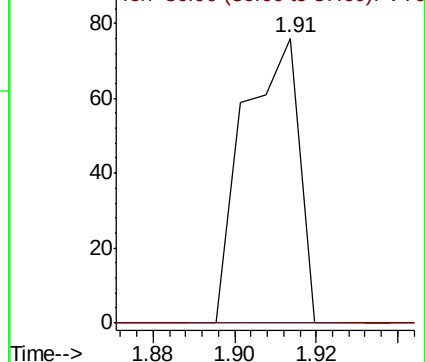
Ion Ratio Lower Upper

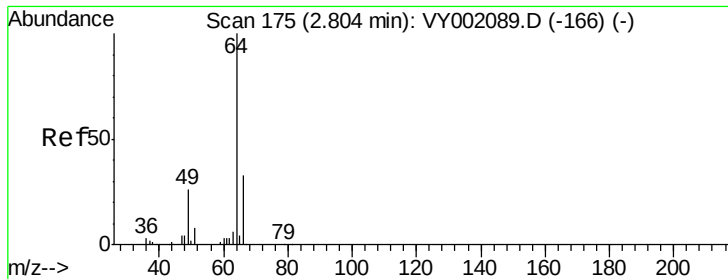
85 100

87 0.0 16.0 48.0#



Abundance Ion 84.90 (84.60 to 85.60): VY002239.D (-1) (-)





#6

Chloroethane

Concen: 2.982 ug/l

RT: 2.52 min Scan# 129

Delta R.T. -0.28 min

Lab File: VY002239.D

Acq: 06 Apr 2020 16:01

Instrument :

MSVOA_Y

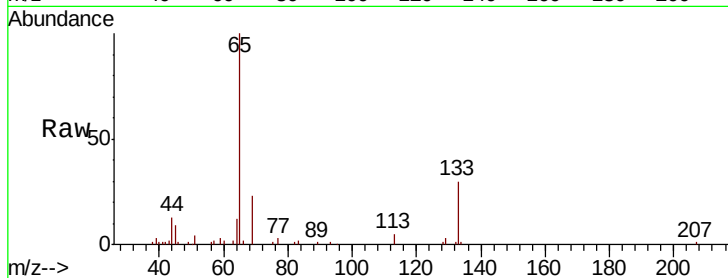
ClientSampleId :

Tot Ion: 64 Resp: 2424

Ion Ratio Lower Upper

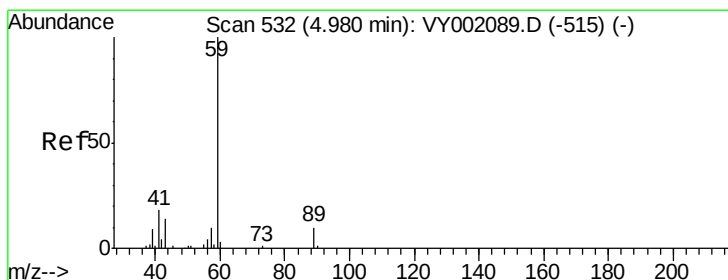
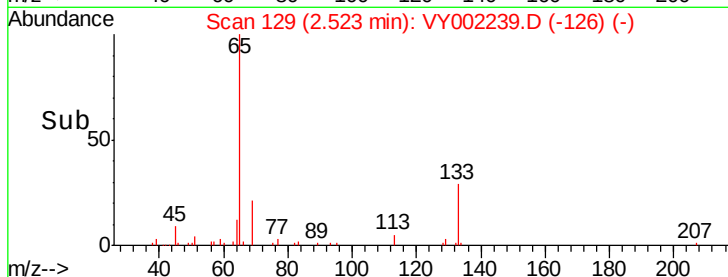
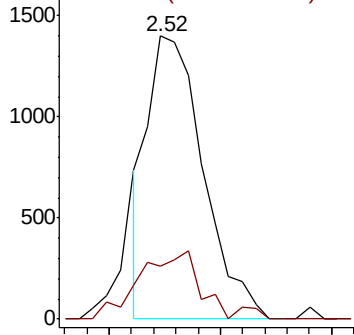
64 100

66 18.9 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



#11

Tert butyl alcohol

Concen: 2.350 ug/l

RT: 4.99 min Scan# 533

Delta R.T. 0.01 min

Lab File: VY002239.D

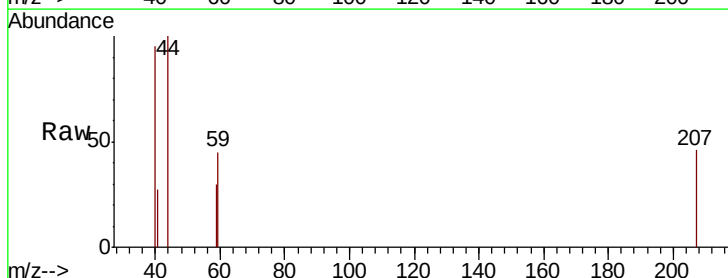
Acq: 06 Apr 2020 16:01

Tgt Ion: 59 Resp: 326

Ion Ratio Lower Upper

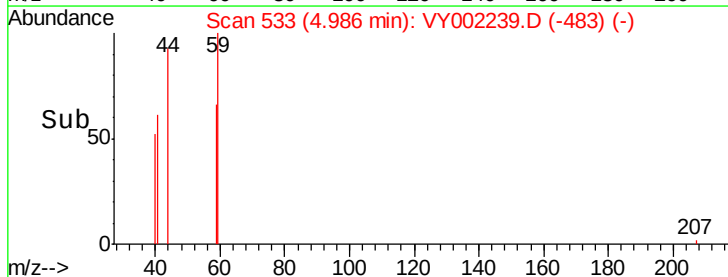
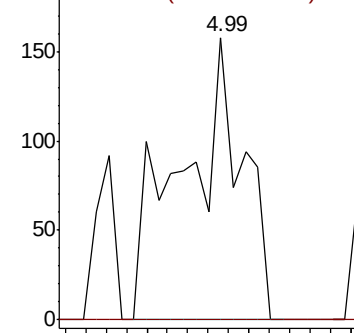
59 100

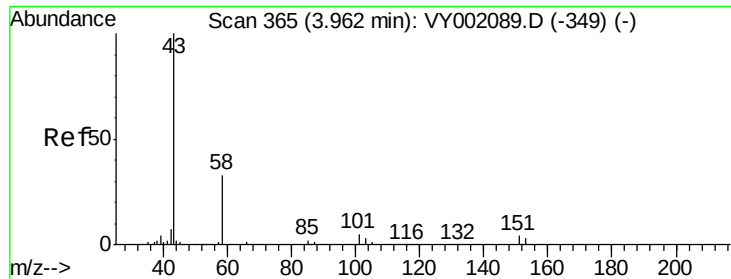
57 0.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 70.201 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002239.D

Acq: 06 Apr 2020 16:01

Instrument :

MSVOA_Y

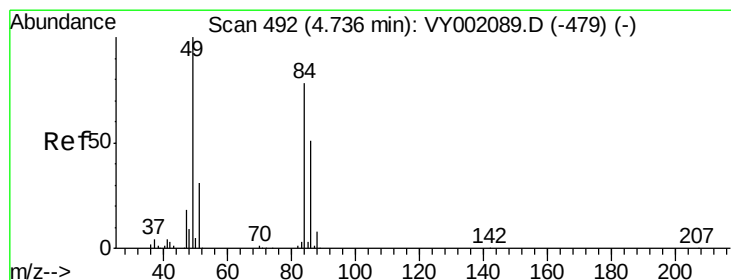
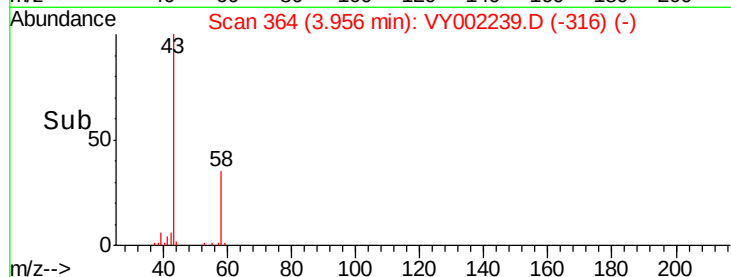
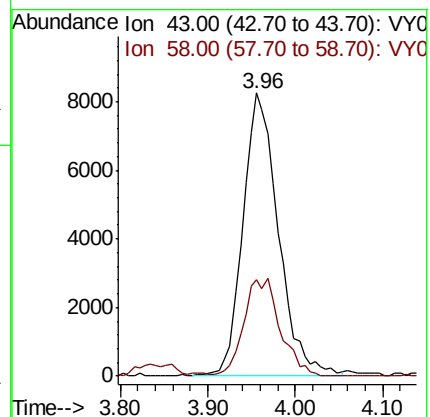
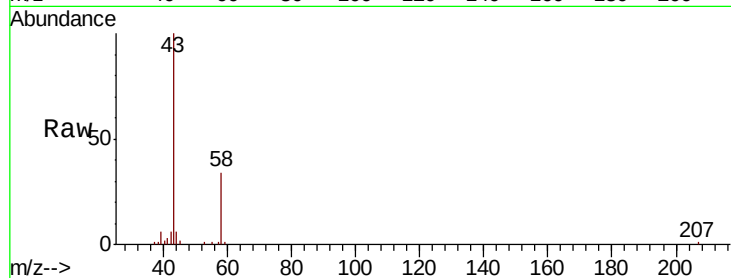
ClientSampleId :

Tot Ion: 43 Resp: 23222

Ion Ratio Lower Upper

43 100

58 34.1 26.3 39.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. -0.01 min

Lab File: VY002239.D

Acq: 06 Apr 2020 16:01

Tgt Ion: 84 Resp: 5104

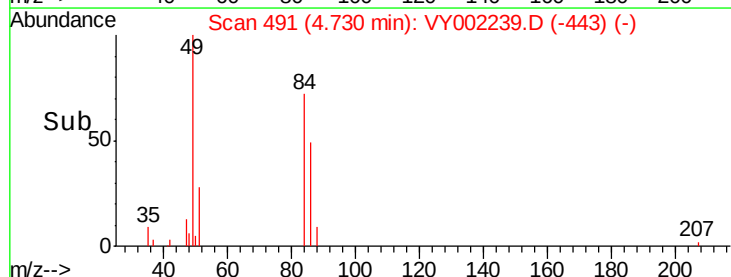
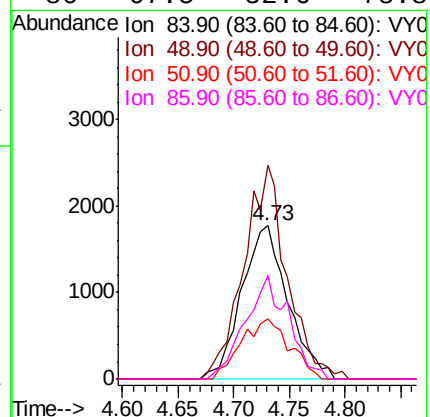
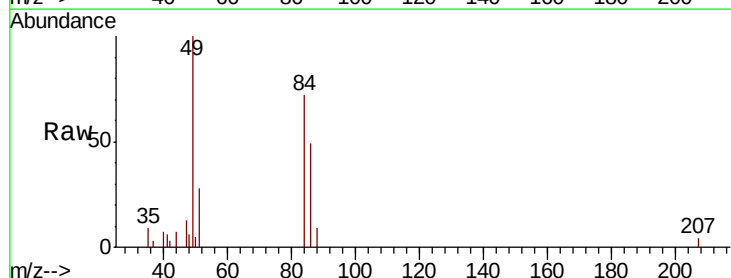
Ion Ratio Lower Upper

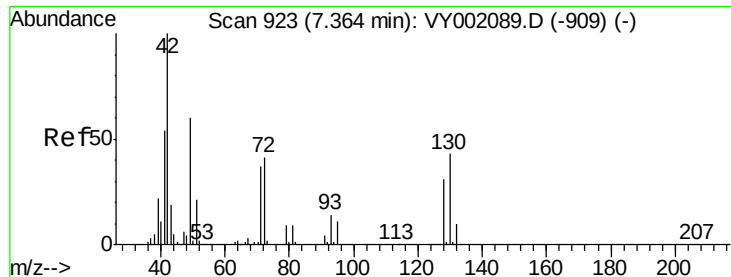
84 100

49 139.2 102.2 153.4

51 39.6 31.2 46.8

86 67.5 52.6 78.8

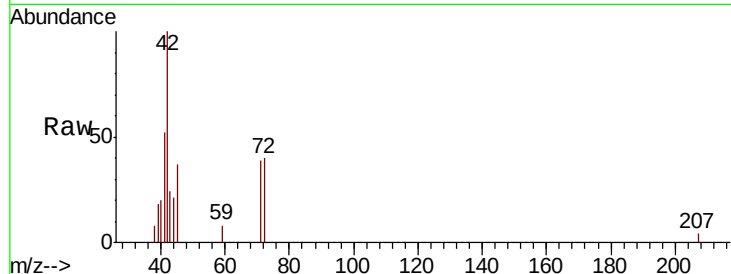




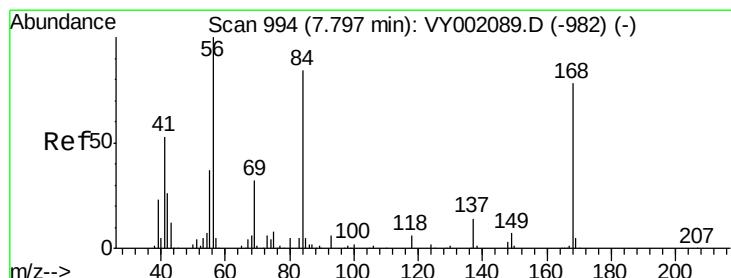
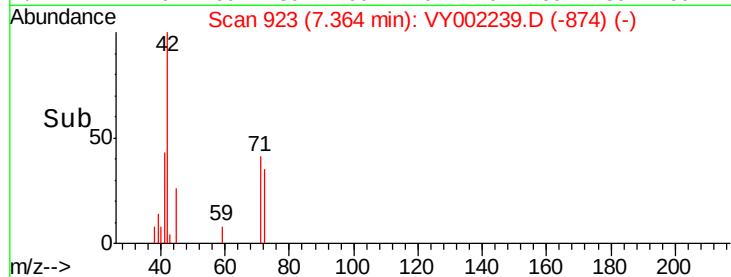
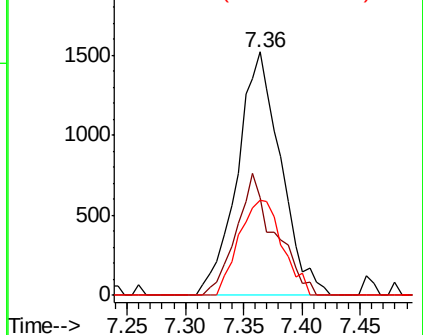
#29
Tetrahydrofuran
Concen: 11.831 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 42 Resp: 3940
Ion Ratio Lower Upper
42 100
72 44.7 33.0 49.4
71 38.9 31.2 46.8

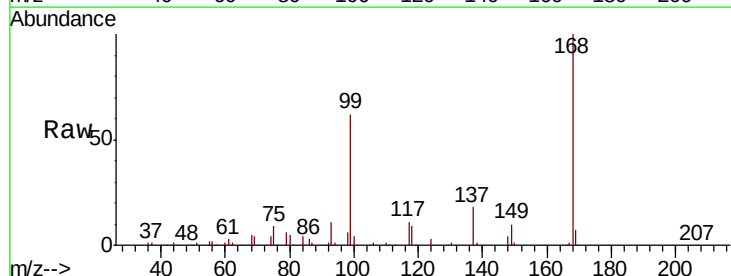


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

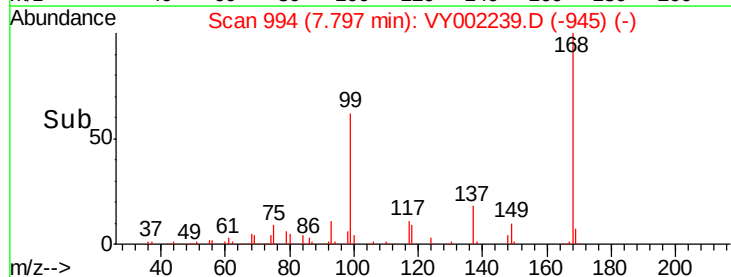
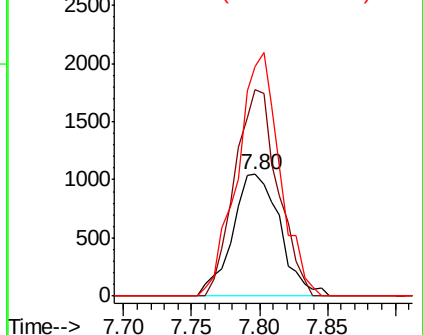


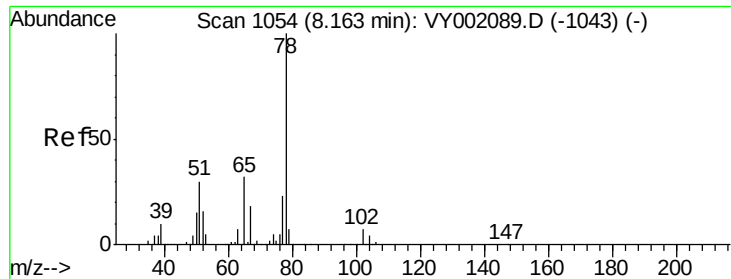
#31
Cyclohexane
Concen: 1.044 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

Tgt Ion: 56 Resp: 2561
Ion Ratio Lower Upper
56 100
69 170.0 25.8 38.8#
84 203.7 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

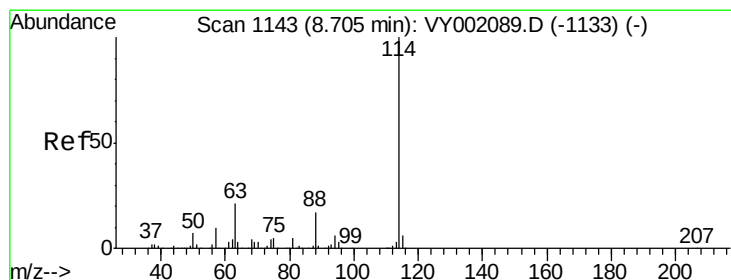
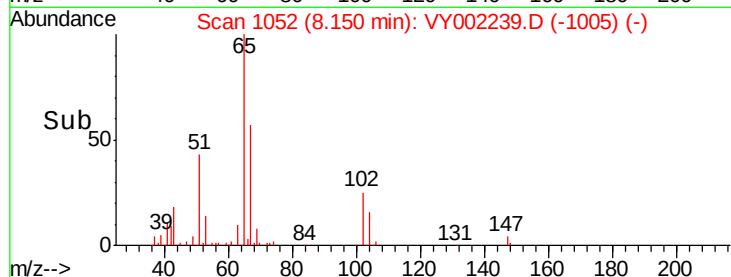
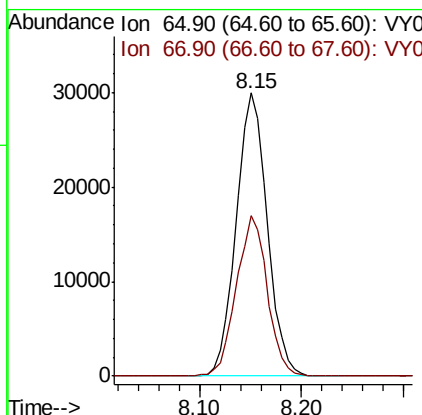
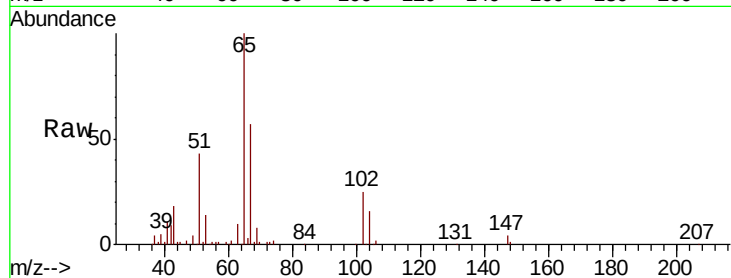




#33
 1,2-Dichloroethane-d4
 Concen: 53.590 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY002239.D
 Acq: 06 Apr 2020 16:01

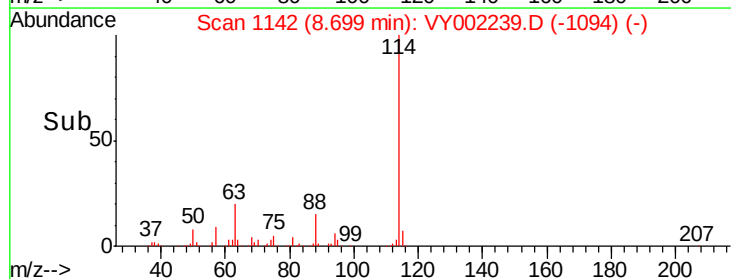
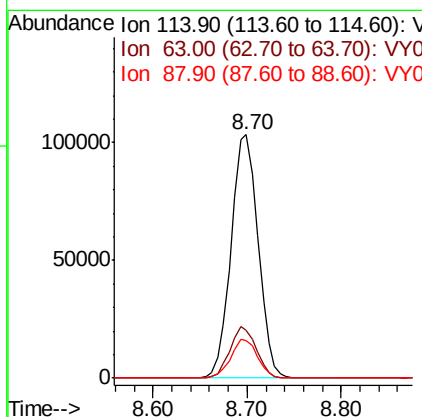
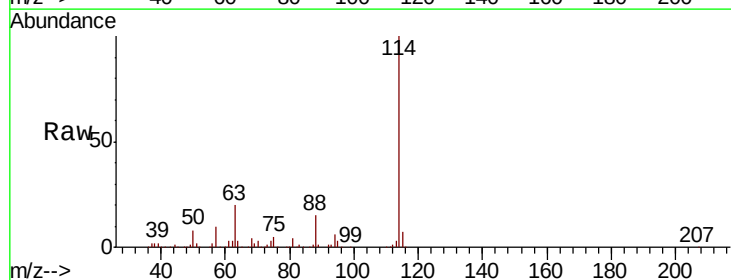
Instrument :
 MSVOA_Y
 ClientSampleId :

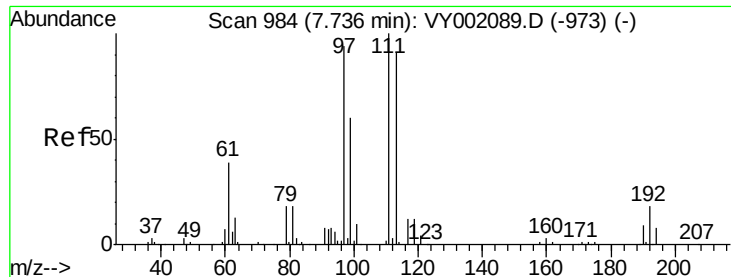
Tot Ion: 65 Resp: 63097
 Ion Ratio Lower Upper
 65 100
 67 56.5 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY002239.D
 Acq: 06 Apr 2020 16:01

Tgt Ion: 114 Resp: 206077
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.4 0.0 33.0

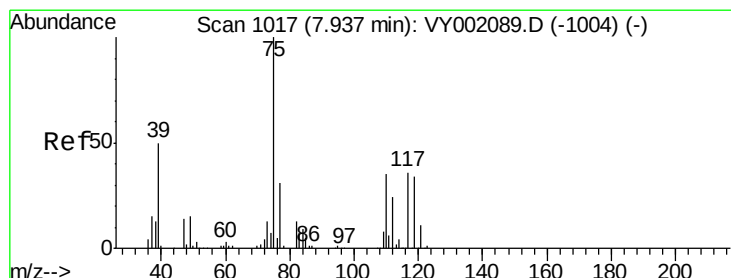
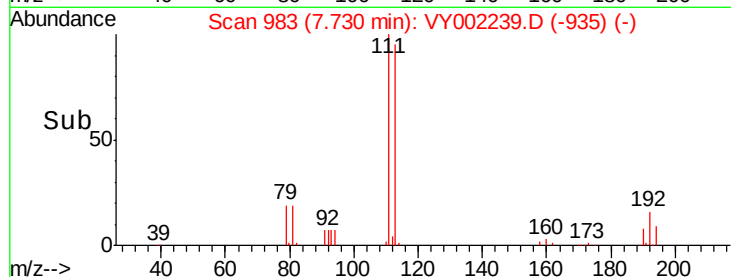
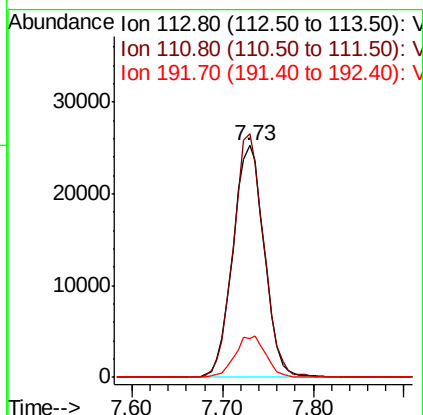
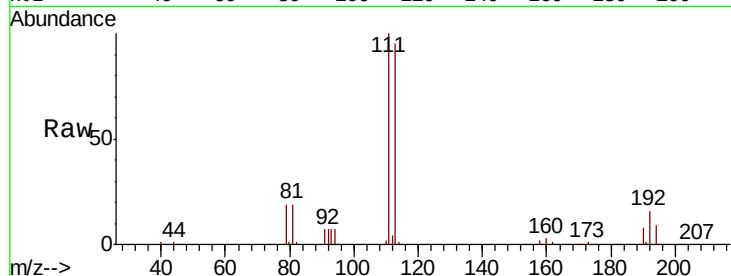




#35
 Dibromofluoromethane
 Concen: 52.409 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: VY002239.D
 Acq: 06 Apr 2020 16:01

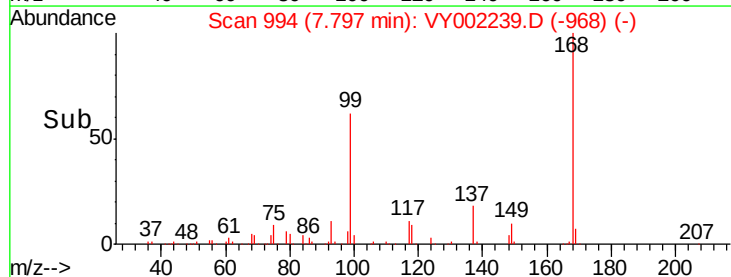
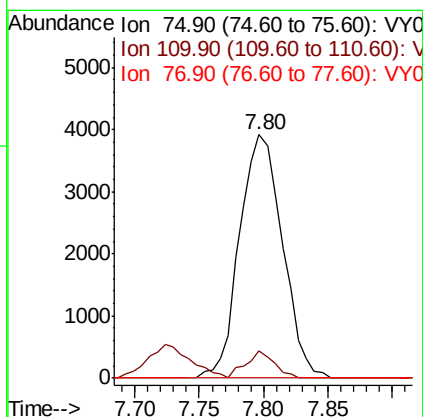
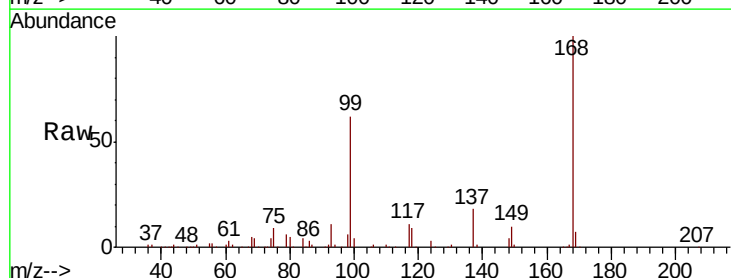
Instrument :
 MSVOA_Y
 ClientSampleId :

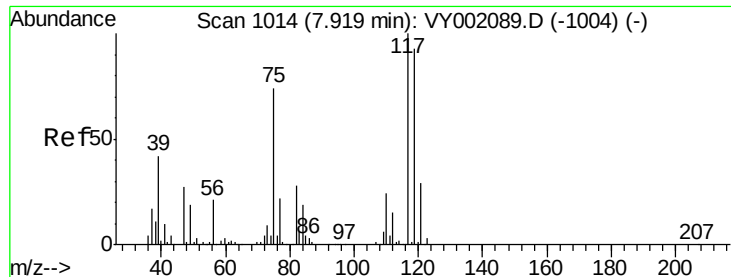
Tot Ion:113 Resp: 60516
 Ion Ratio Lower Upper
 113 100
 111 102.1 84.4 126.6
 192 17.5 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.634 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.14 min
 Lab File: VY002239.D
 Acq: 06 Apr 2020 16:01

Tgt Ion: 75 Resp: 9032
 Ion Ratio Lower Upper
 75 100
 110 7.2 17.2 51.6#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.774 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY002239.D

Acq: 06 Apr 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

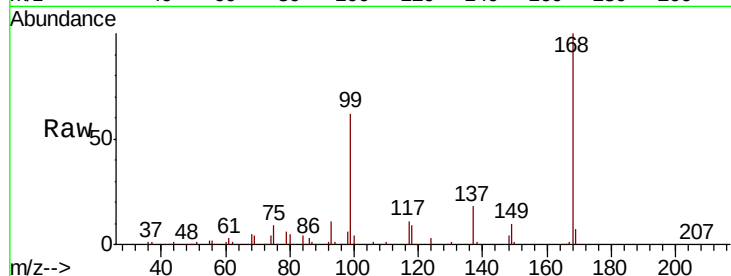
Tot Ion:117 Resp: 11203

Ion Ratio Lower Upper

117 100

119 4.4 74.3 111.5#

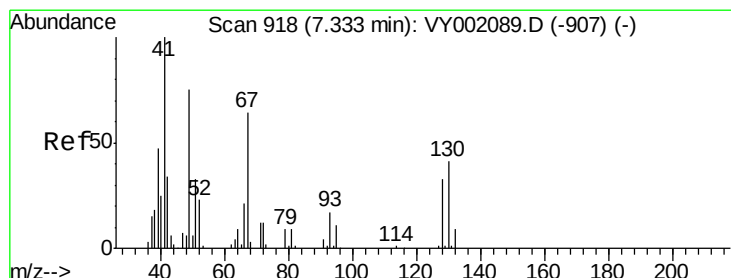
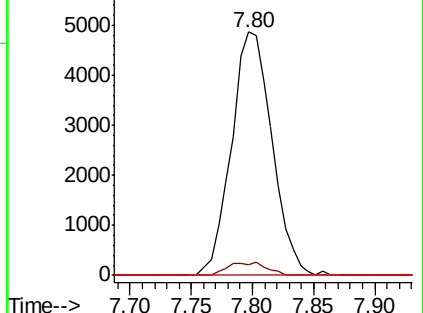
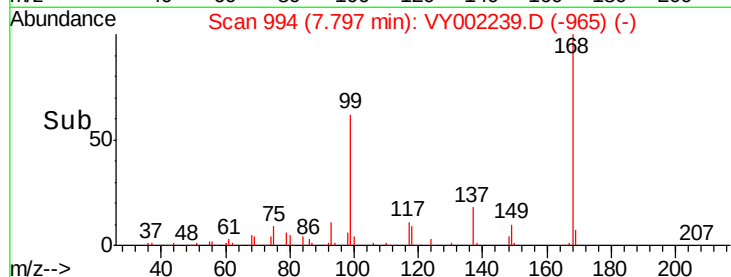
121 0.0 23.3 34.9#



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



#41

Methacrylonitrile

Concen: 4.235 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.02 min

Lab File: VY002239.D

Acq: 06 Apr 2020 16:01

Tgt Ion: 41 Resp: 2523

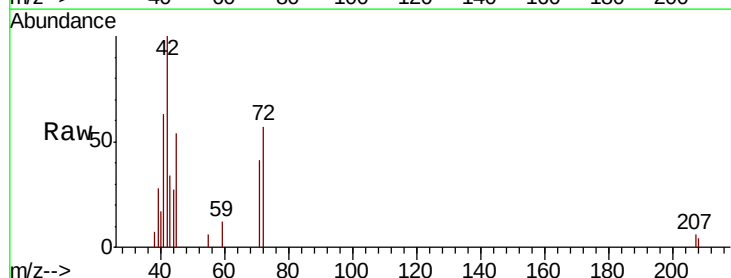
Ion Ratio Lower Upper

41 100

39 45.5 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

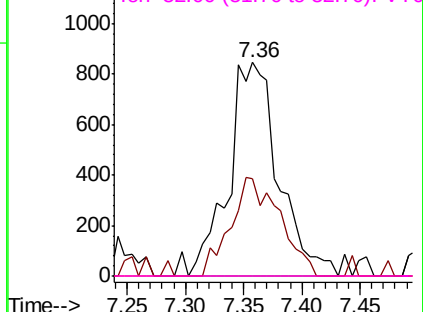
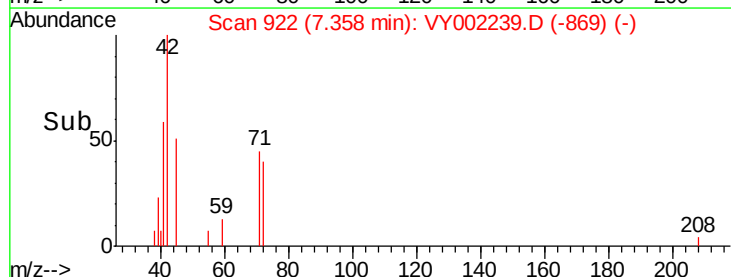


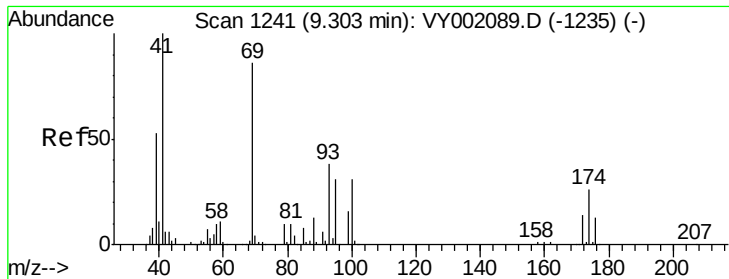
Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

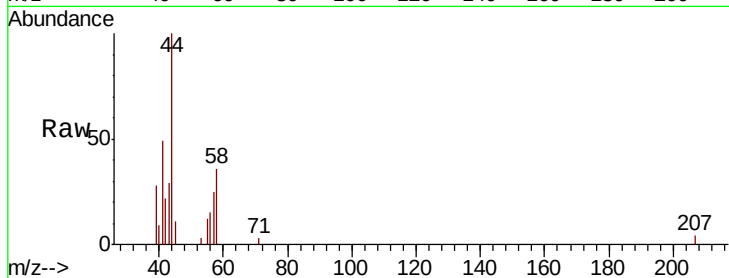




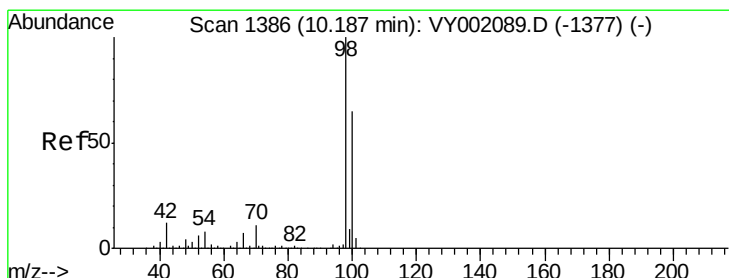
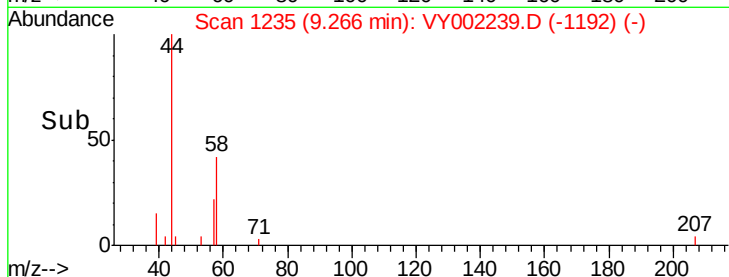
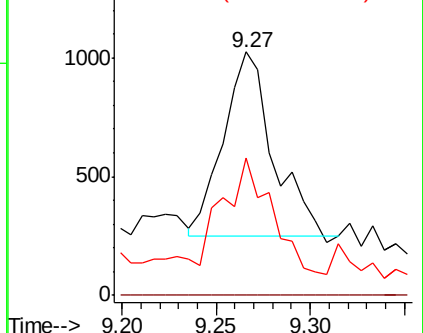
#48
Methvl methacrylate
Concen: 1.443 ug/l
RT: 9.27 min Scan# 1235
Delta R.T. -0.04 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 41 Resp: 1414
Ion Ratio Lower Upper
41 100
69 0.0 71.4 107.0#
39 63.0 41.0 61.4#

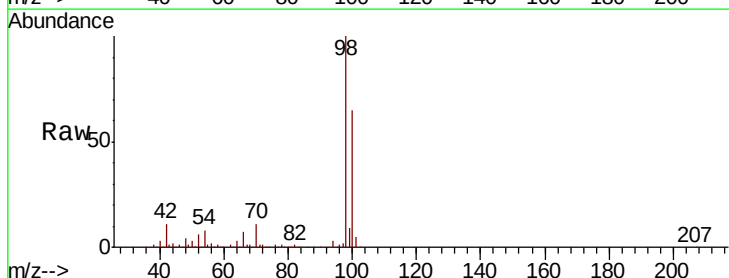


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

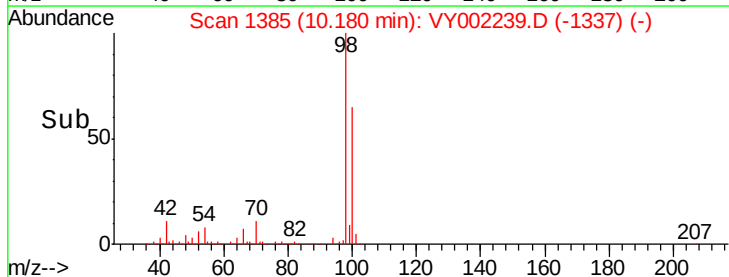
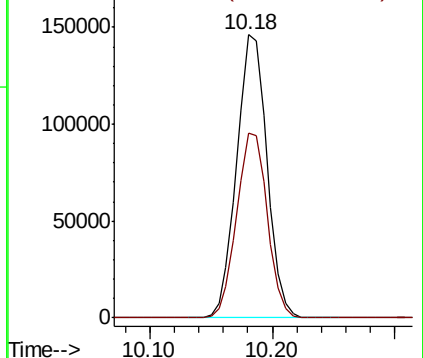


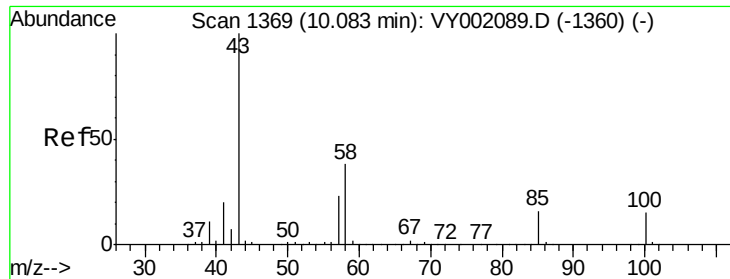
#50
Toluene-d8
Concen: 52.394 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

Tgt Ion: 98 Resp: 251325
Ion Ratio Lower Upper
98 100
100 66.0 51.6 77.4



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

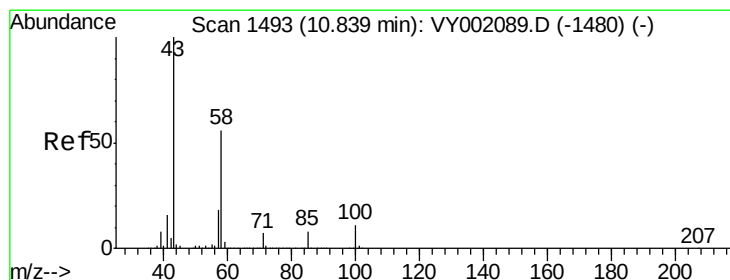
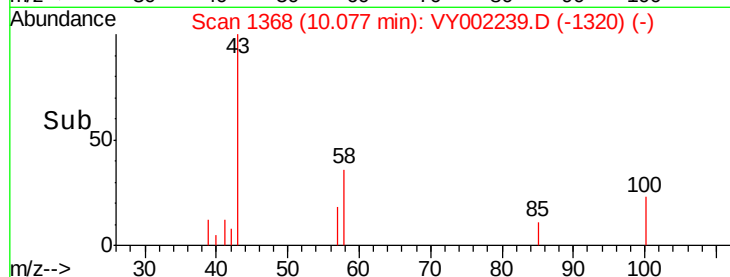
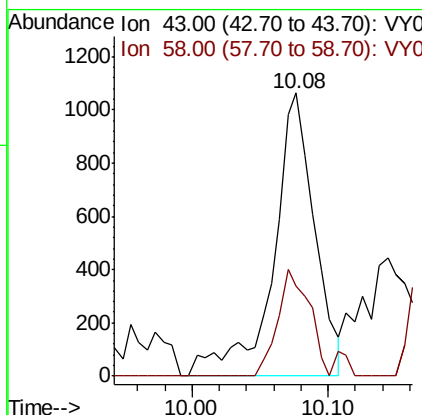
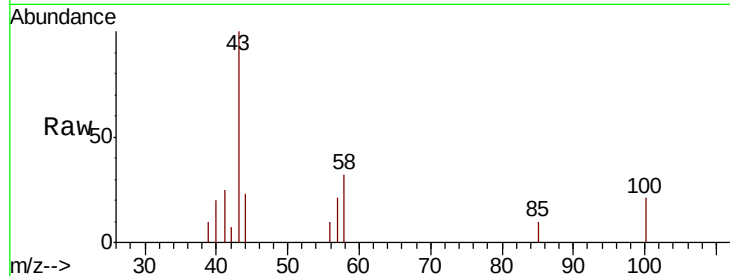




#51
4-Methyl-2-Pentanone
Concen: 1.998 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

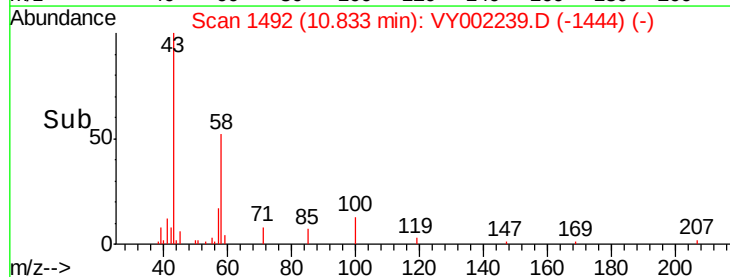
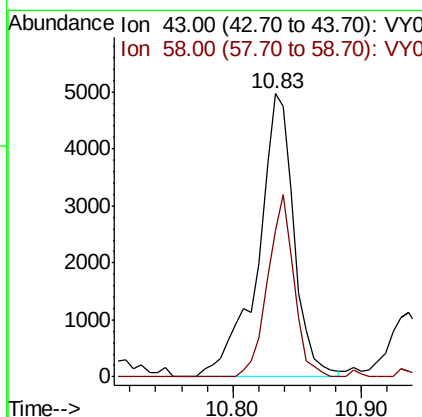
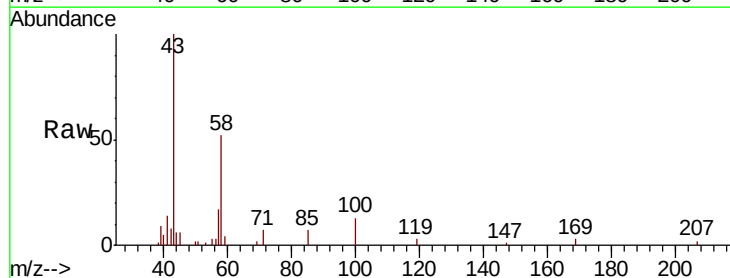
Instrument :
MSVOA_Y
ClientSampled :

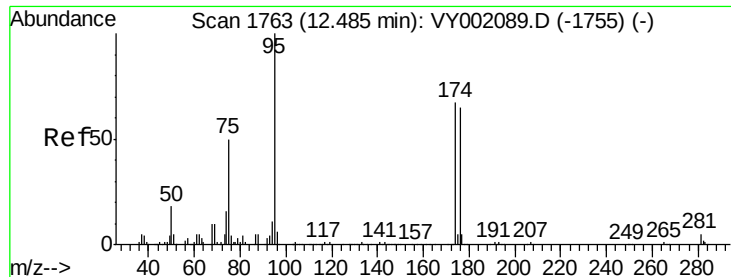
Tot Ion: 43 Resp: 2249
Ion Ratio Lower Upper
43 100
58 29.0 31.6 47.4#



#59
2-Hexanone
Concen: 12.138 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

Tgt Ion: 43 Resp: 9625
Ion Ratio Lower Upper
43 100
58 46.9 27.9 83.6

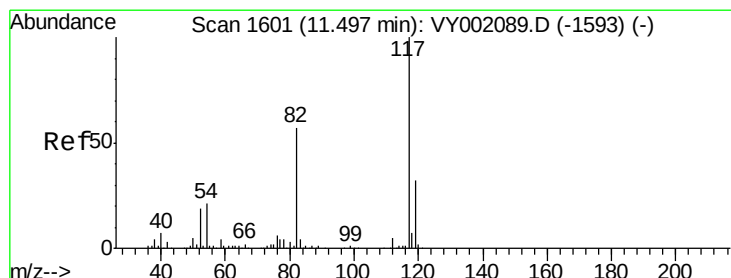
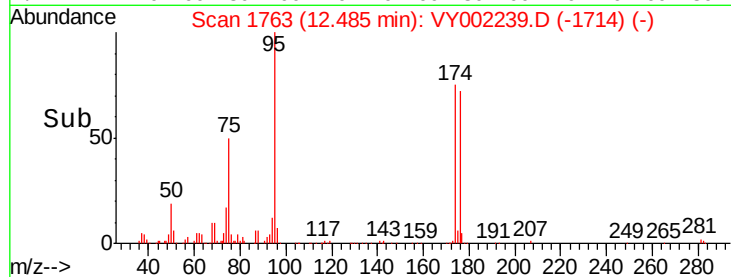
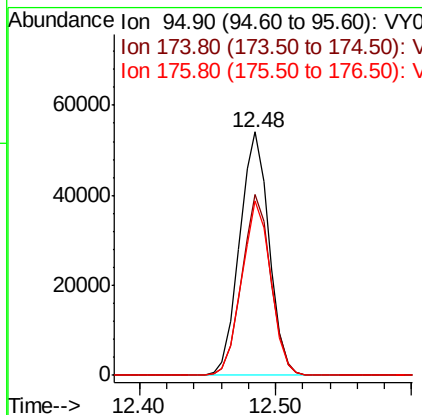
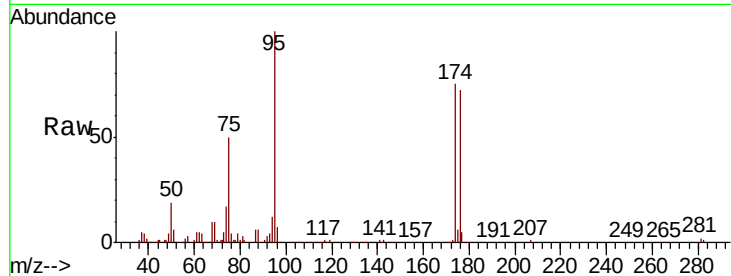




#62
4-Bromofluorobenzene
Concen: 48.665 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

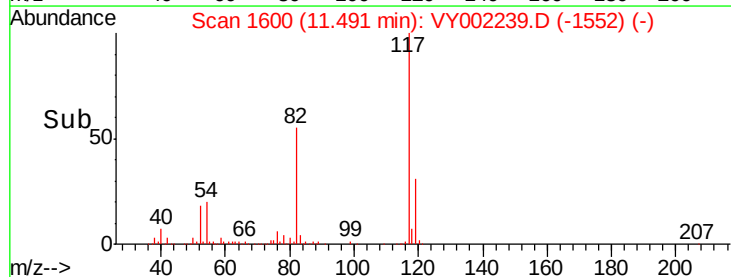
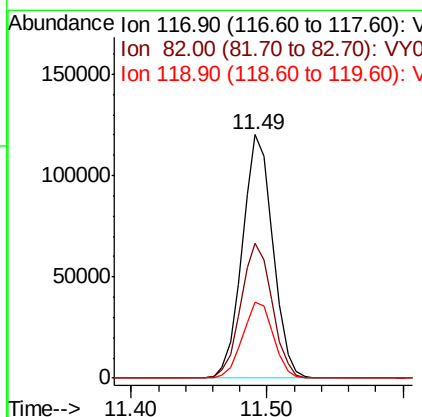
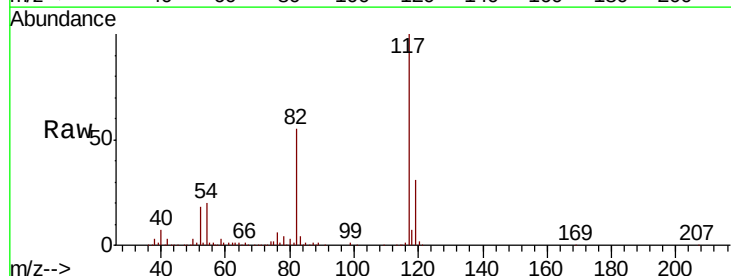
Instrument :
MSVOA_Y
ClientSampleId :

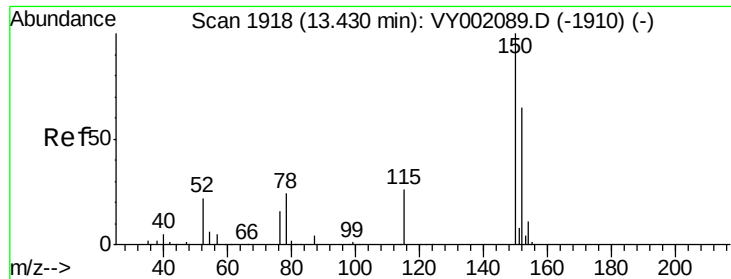
Tot Ion: 95 Resp: 81641
Ion Ratio Lower Upper
95 100
174 73.0 0.0 143.4
176 71.0 0.0 137.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

Tgt Ion: 117 Resp: 188346
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.2
119 31.3 25.3 37.9



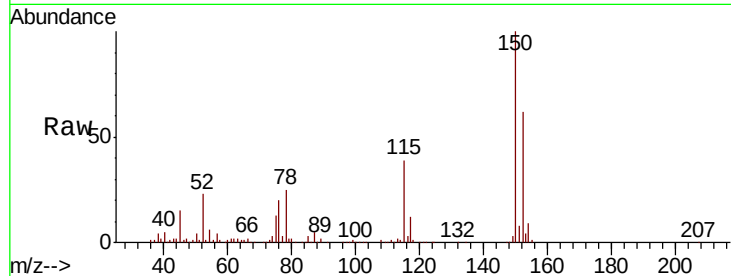


#72

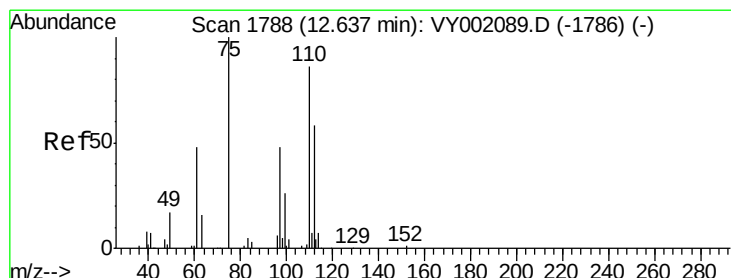
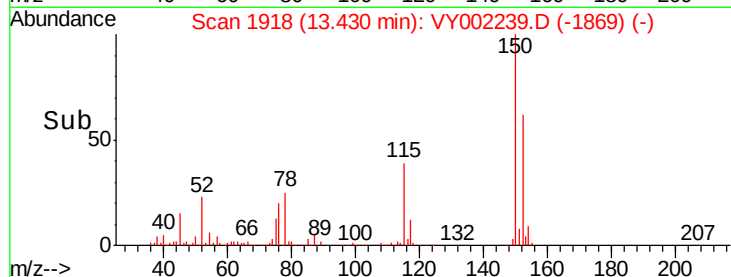
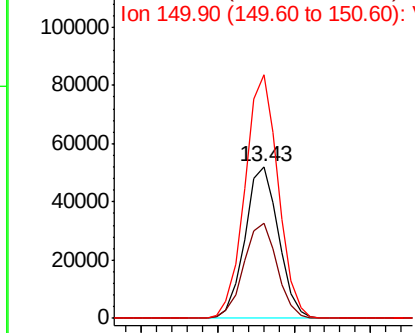
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 79336
Ion Ratio Lower Upper
152 100
115 62.5 31.2 93.6
150 158.5 0.0 354.8



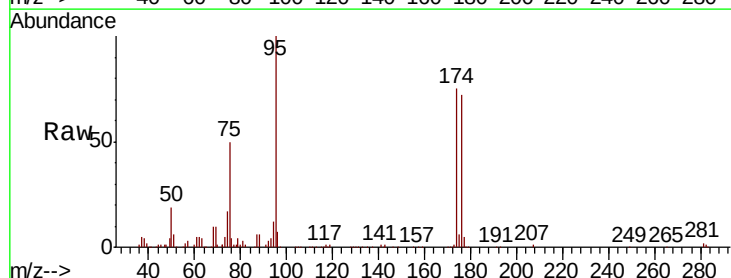
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



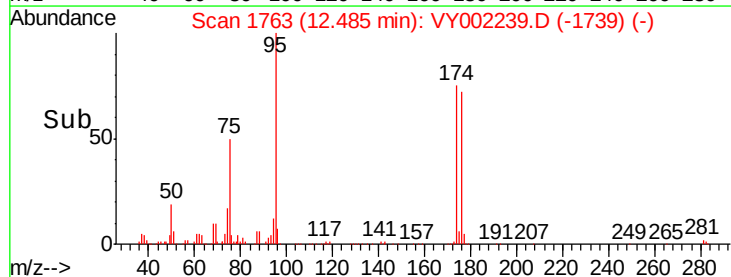
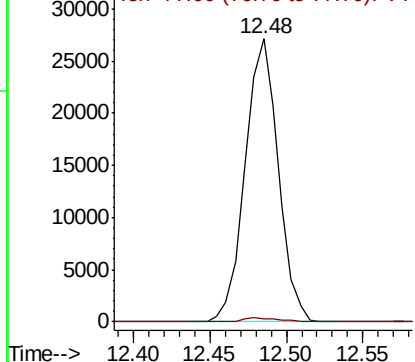
#76

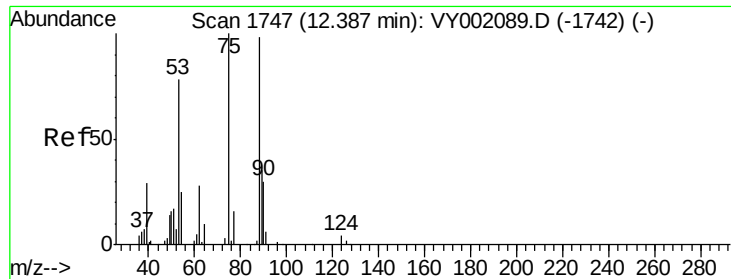
1,2,3-Trichloropropane
Concen: 45.939 ug/l
RT: 12.48 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY002239.D
Acq: 06 Apr 2020 16:01

Tgt Ion: 75 Resp: 40768
Ion Ratio Lower Upper
75 100
77 1.5 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: 88.999 ug/l

RT: 12.48 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY002239.D

Acq: 06 Apr 2020 16:01

Instrument :

MSVOA_Y

ClientSampleId :

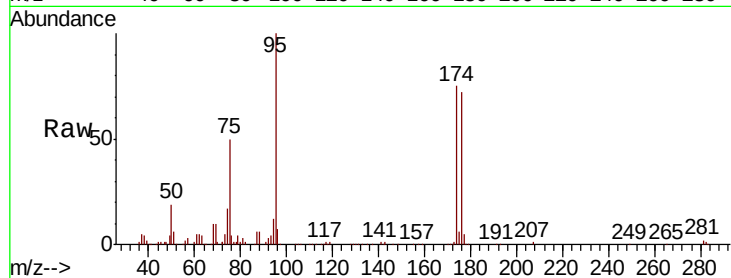
Tot Ion: 75 Resp: 40768

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

