

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
 Data File : VY002013.D
 Acq On : 19 Mar 2020 11:54
 Operator : SY/MD
 Sample : VY0319SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 20 01:54:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	147327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	282478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	257318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	109835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	86433	54.95	ug/l	0.00
Spiked Amount			Recovery	=	109.90%	
35) Dibromofluoromethane	7.74	113	82464	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
50) Toluene-d8	10.19	98	342990	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
62) 4-Bromofluorobenzene	12.49	95	114670	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	

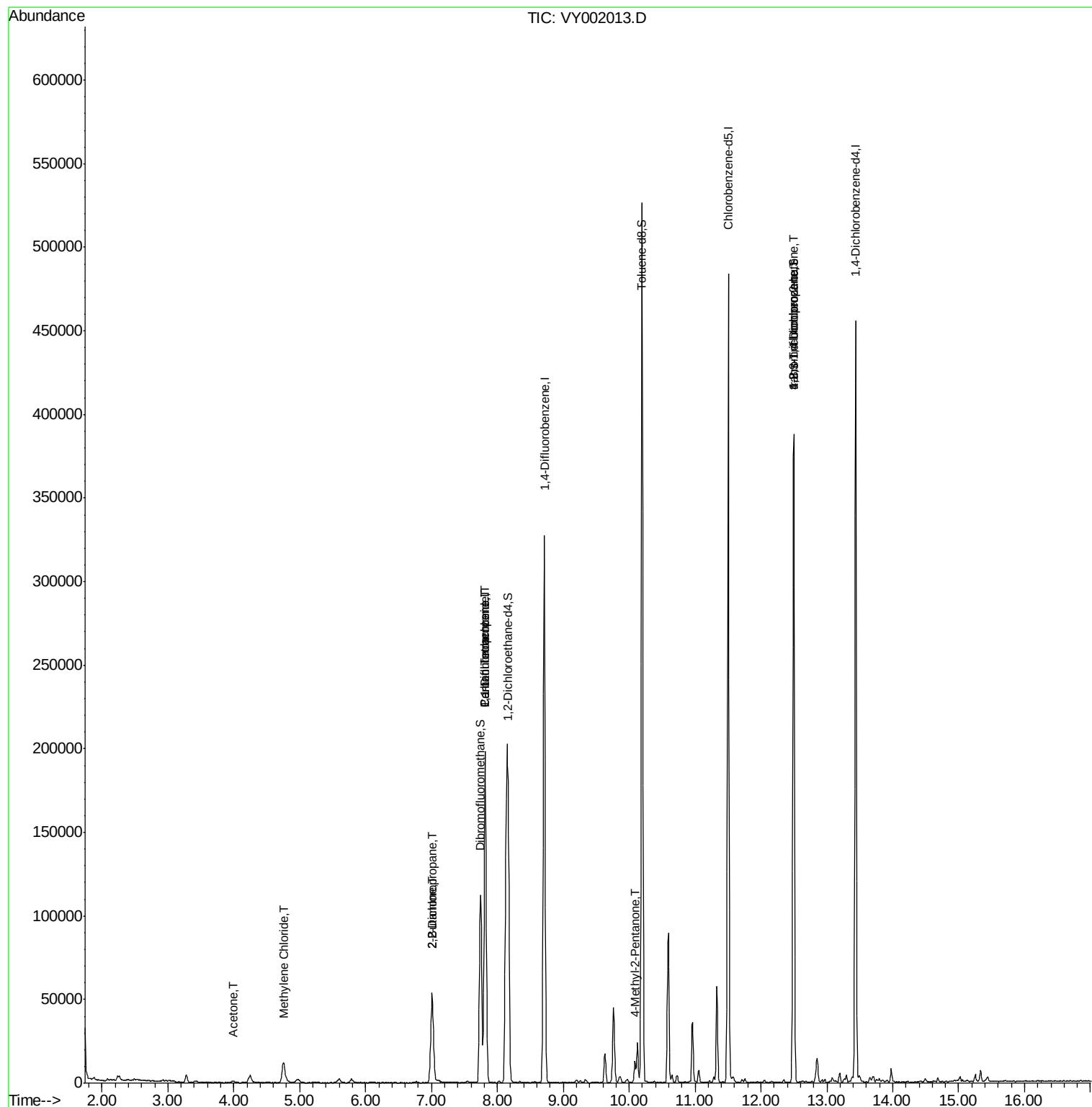
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	154	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	1326	Below Cal	#	85
16) Acetone	4.00	43	1794	3.916	ug/l #	78
20) Methylene Chloride	4.75	84	8303	4.229	ug/l	89
25) 2-Butanone	7.00	43	2839	4.075	ug/l #	68
26) 2,2-Dichloropropane	7.01	77	3960	1.497	ug/l #	52
36) 1,1-Dichloropropene	7.81	75	12584	4.629	ug/l #	50
38) Carbon Tetrachloride	7.82	117	15337	6.605	ug/l #	16
51) 4-Methyl-2-Pentanone	10.09	43	9224	5.987	ug/l	99
76) 1,2,3-Trichloropropane	12.49	75	59424	45.596	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	59424	92.102	ug/l #	17

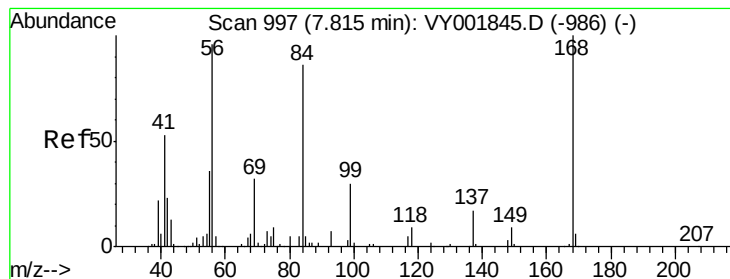
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY031920\
Data File : VY002013.D
Acq On : 19 Mar 2020 11:54
Operator : SY/MD
Sample : VY0319SBL01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 20 01:54:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 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: VY002013.D

Acq: 19 Mar 2020 11:54

Instrument :

MSVOA_Y

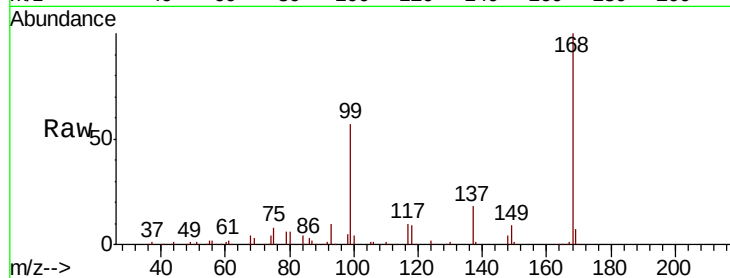
ClientSampleId :

Tot Ion:168 Resp: 147327

Ion Ratio Lower Upper

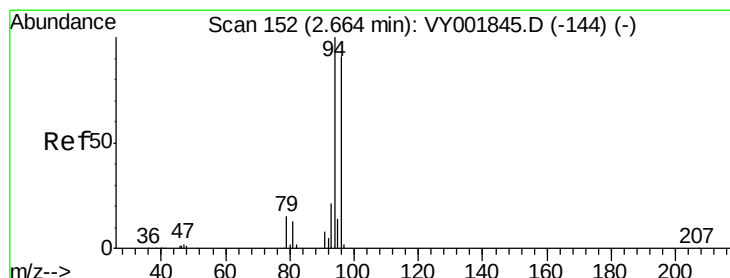
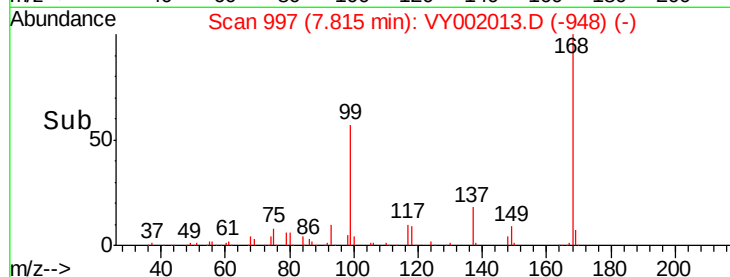
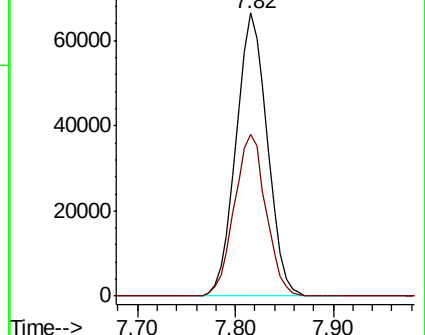
168 100

99 57.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY002013.D

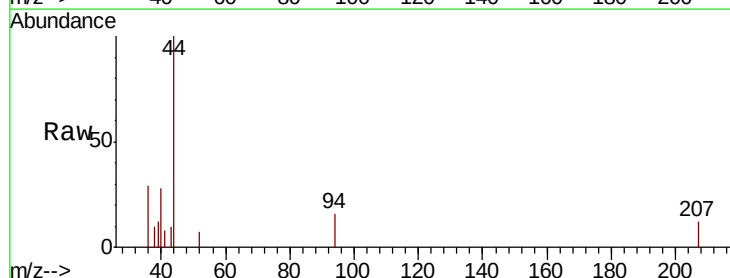
Acq: 19 Mar 2020 11:54

Tgt Ion: 94 Resp: 154

Ion Ratio Lower Upper

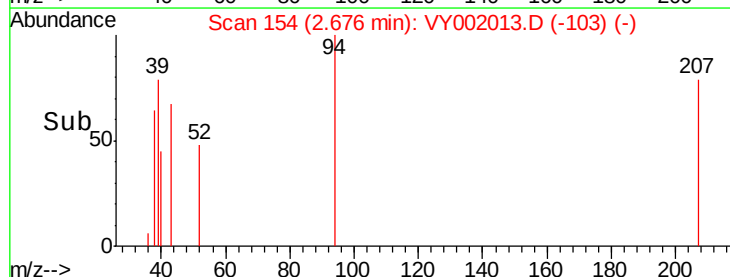
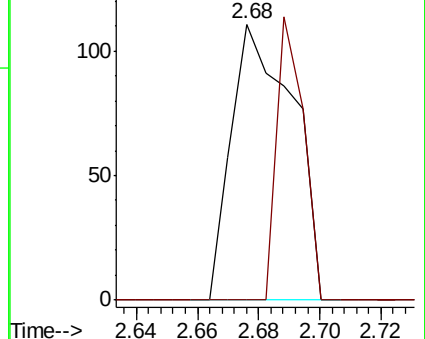
94 100

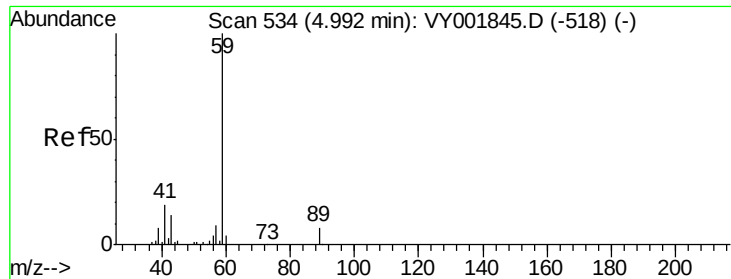
96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)

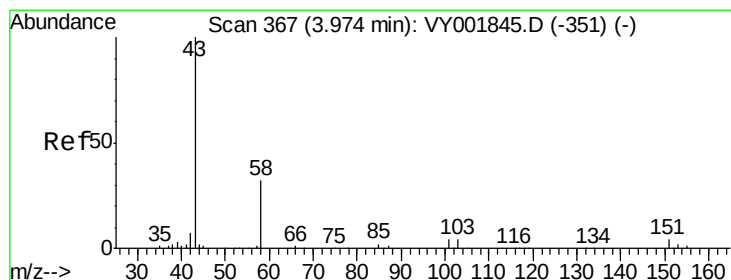
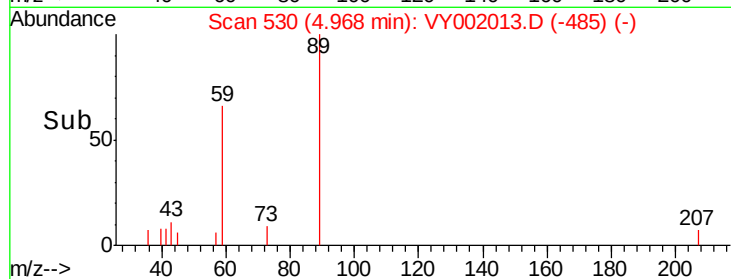
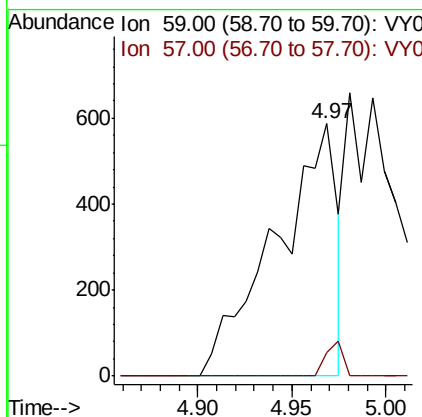
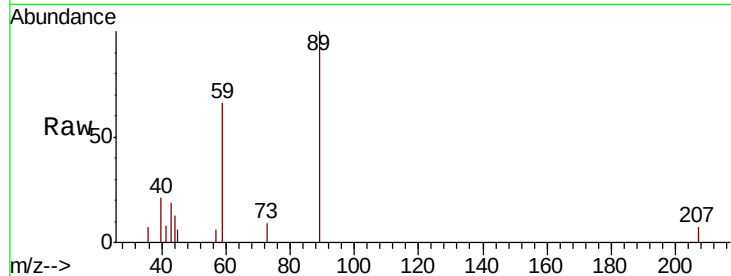




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.97 min Scan# 530
Delta R.T. -0.02 min
Lab File: VY002013.D
Acq: 19 Mar 2020 11:54

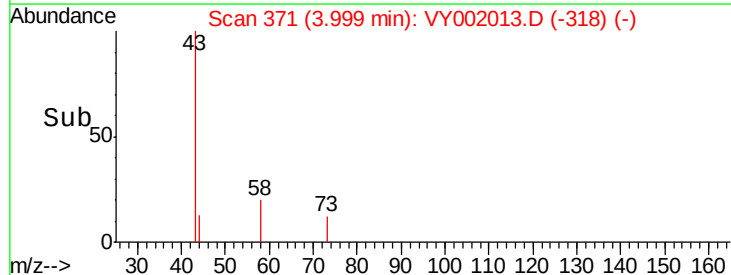
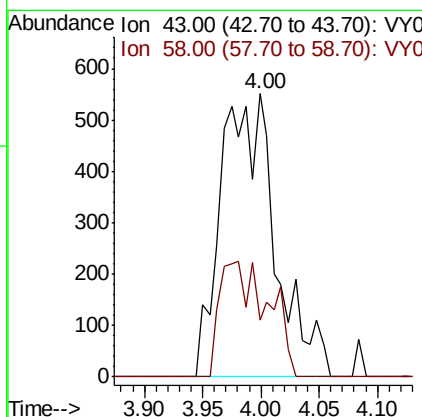
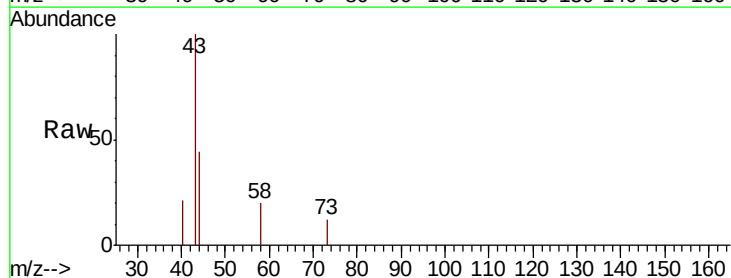
Instrument :
MSVOA_Y
ClientSampled :

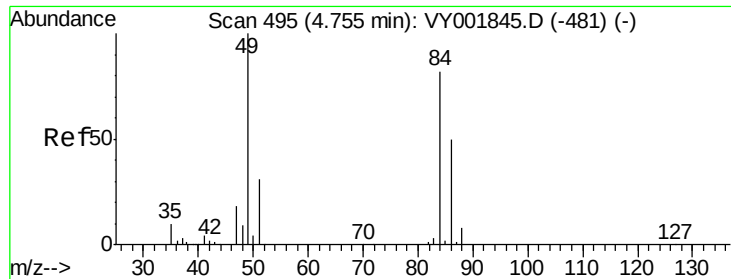
Tot Ion: 59 Resp: 1326
Ion Ratio Lower Upper
59 100
57 3.8 7.4 11.2#



#16
Acetone
Concen: 3.916 ug/l
RT: 4.00 min Scan# 371
Delta R.T. 0.02 min
Lab File: VY002013.D
Acq: 19 Mar 2020 11:54

Tgt Ion: 43 Resp: 1794
Ion Ratio Lower Upper
43 100
58 20.0 25.9 38.9#

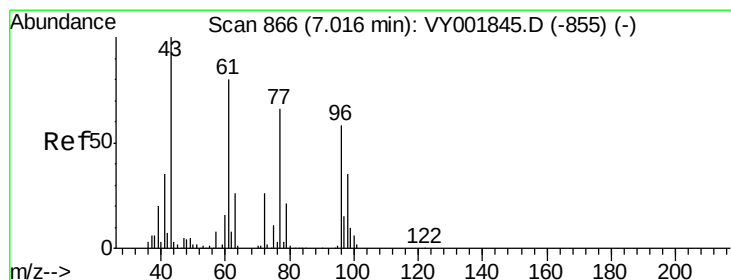
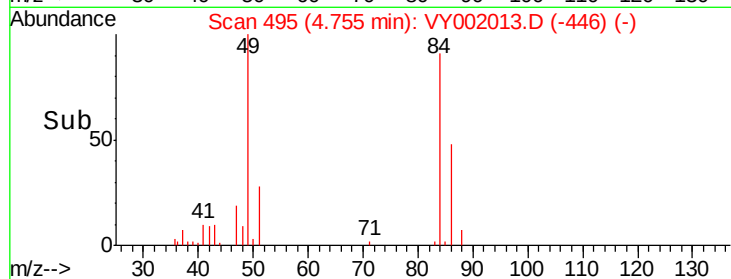
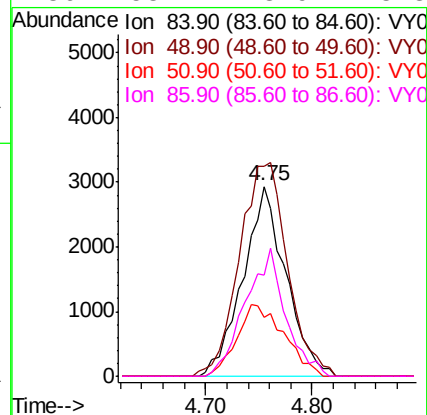
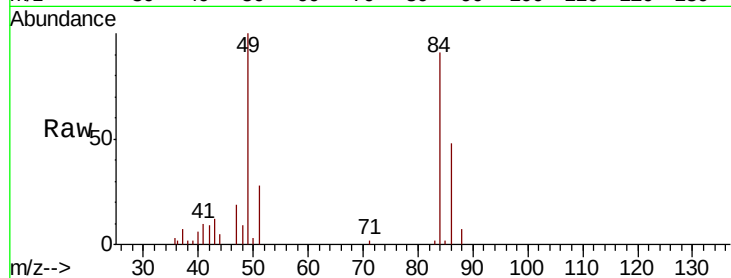




#20
Methylene Chloride
Concen: 4.229 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002013.D
Acq: 19 Mar 2020 11:54

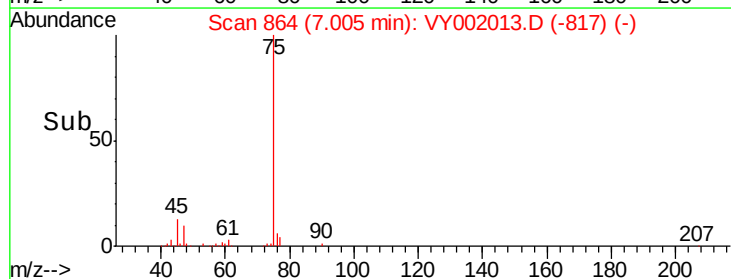
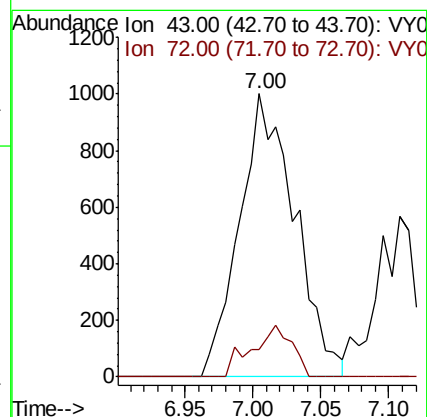
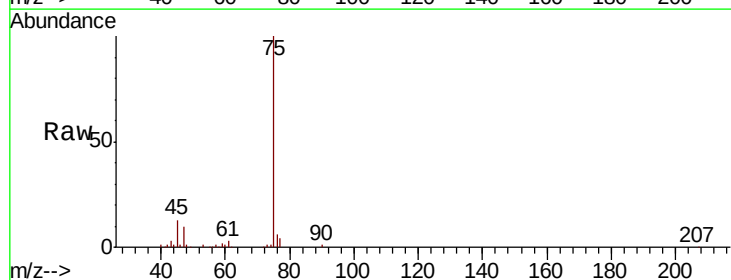
Instrument :
MSVOA_Y
ClientSampleId :

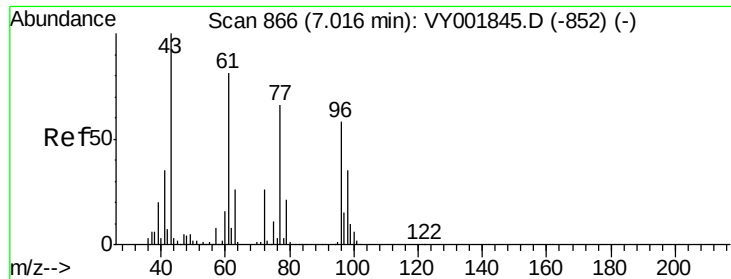
Tot Ion: 84 Resp: 8303
Ion Ratio Lower Upper
84 100
49 110.3 98.2 147.2
51 30.9 30.2 45.2
86 53.1 48.9 73.3



#25
2-Butanone
Concen: 4.075 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY002013.D
Acq: 19 Mar 2020 11:54

Tgt Ion: 43 Resp: 2839
Ion Ratio Lower Upper
43 100
72 9.8 20.9 31.3#

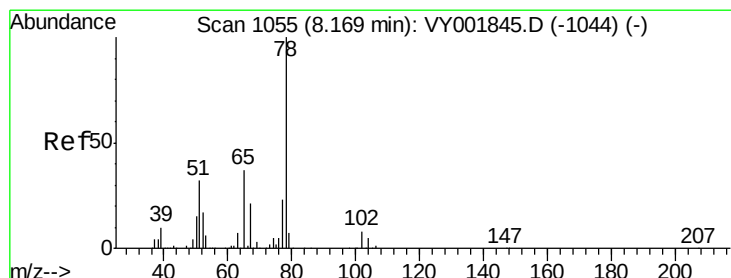
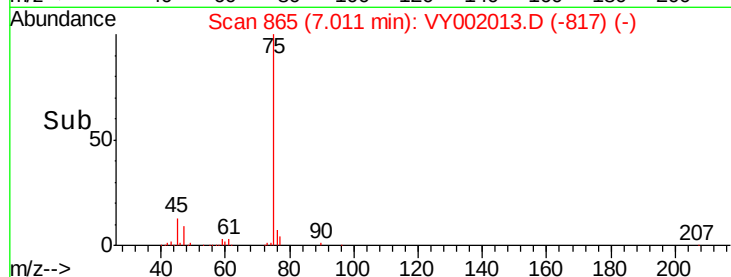
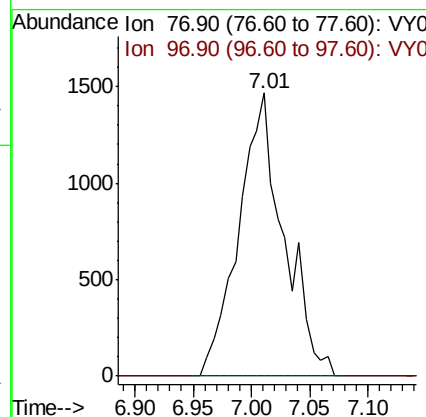
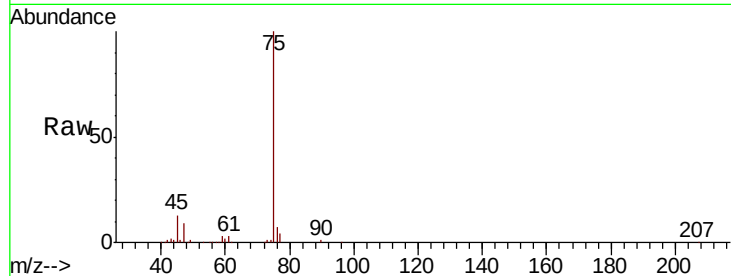




#26
 2,2-Dichloropropane
 Concen: 1.497 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY002013.D
 Acq: 19 Mar 2020 11:54

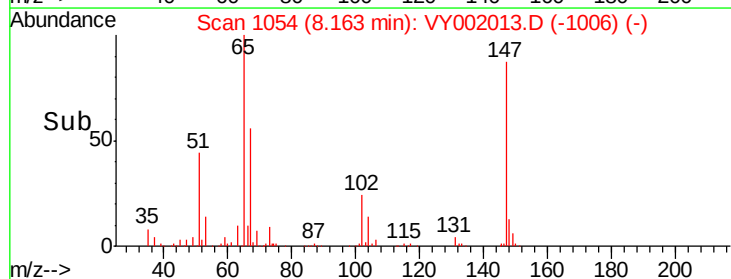
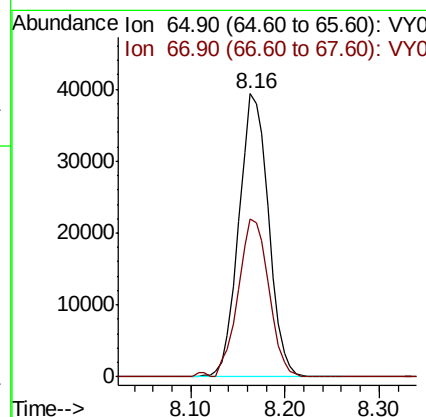
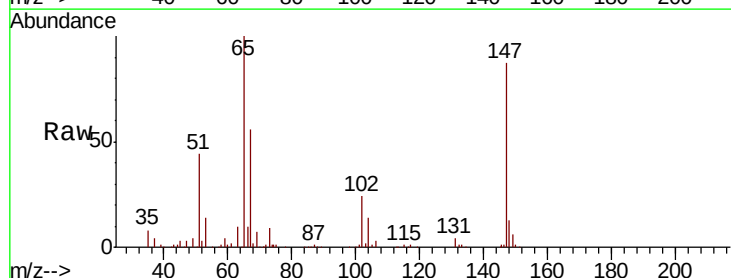
Instrument :
 MSVOA_Y
 ClientSampleId :

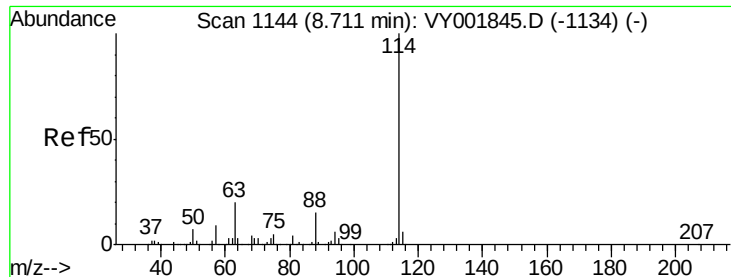
Tot Ion: 77 Resp: 3960
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.9 35.7#



#33
 1,2-Dichloroethane-d4
 Concen: 54.954 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002013.D
 Acq: 19 Mar 2020 11:54

Tgt Ion: 65 Resp: 86433
 Ion Ratio Lower Upper
 65 100
 67 57.3 0.0 110.8

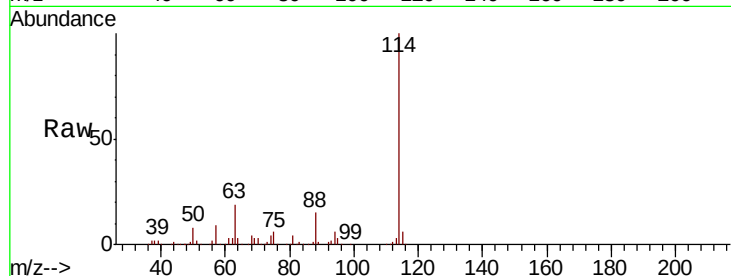




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY002013.D
 Acq: 19 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.4
88	15.4	0.0	30.4

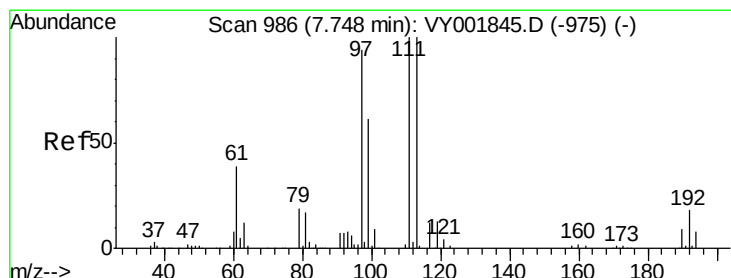
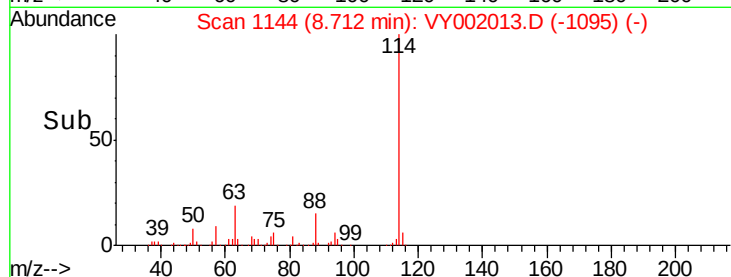
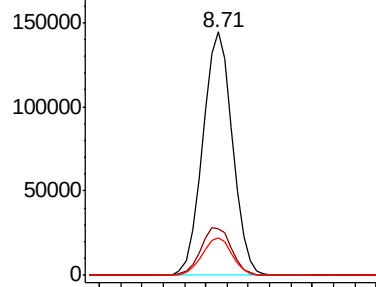


Abundance

Ion 113.90 (113.60 to 114.60): V

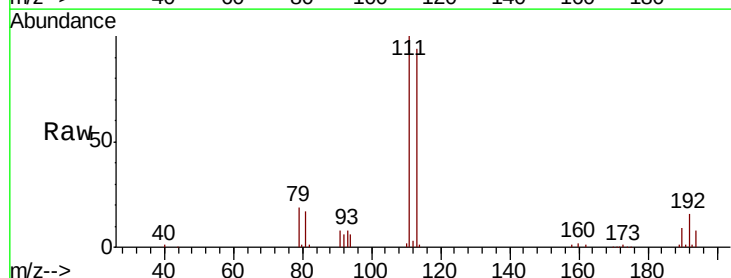
Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



#35
 Dibromofluoromethane
 Concen: 53.463 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VY002013.D
 Acq: 19 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	18.0	14.2	21.2

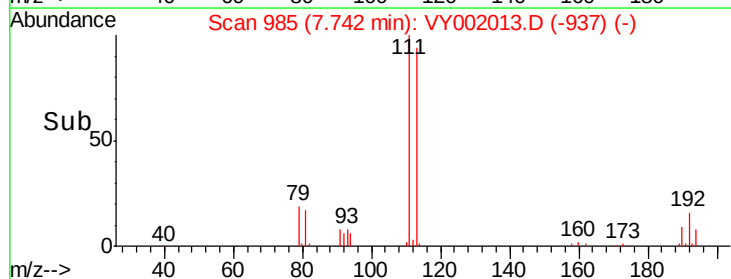
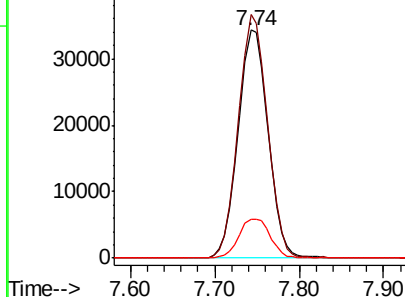


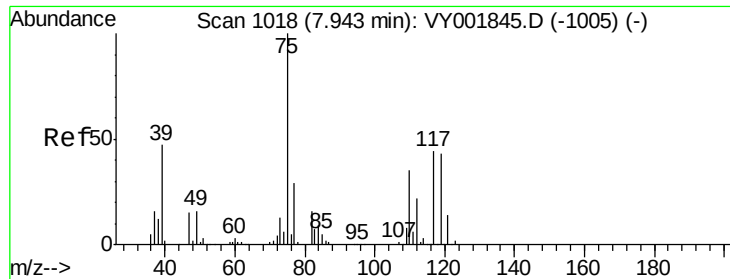
Abundance

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

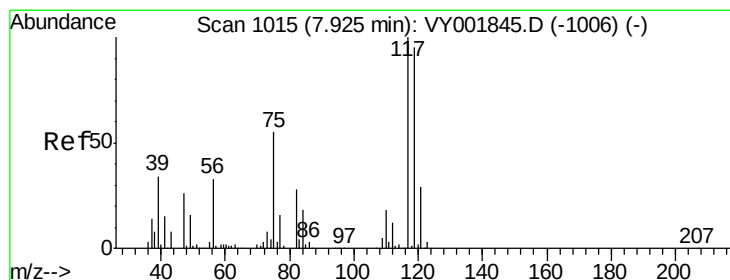
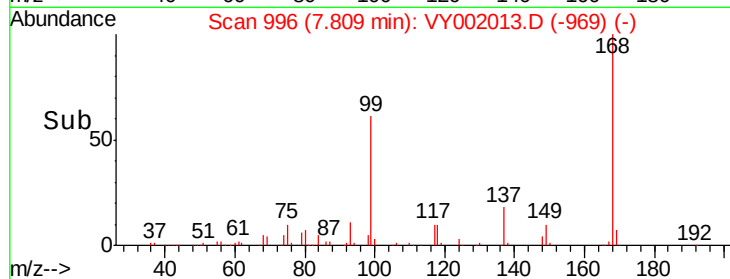
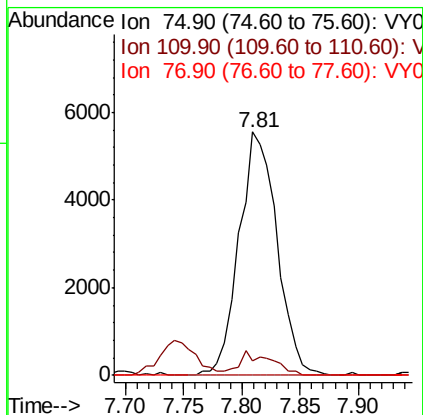
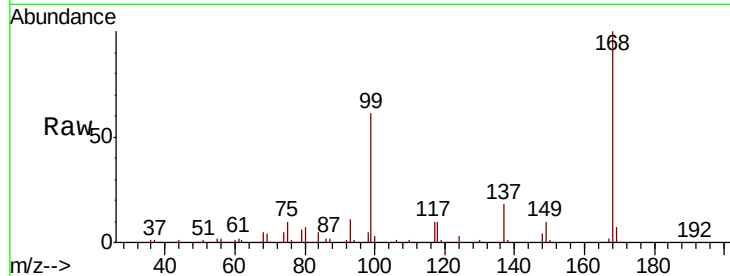




#36
 1,1-Dichloropropene
 Concen: 4.629 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY002013.D
 Acq: 19 Mar 2020 11:54

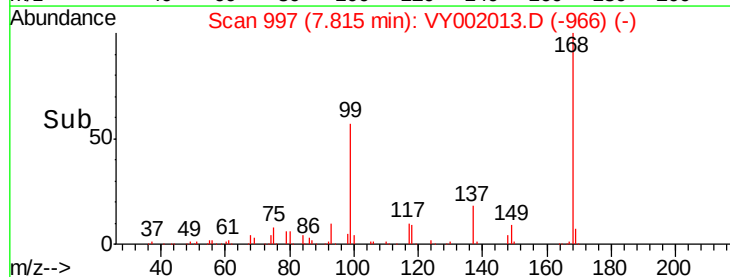
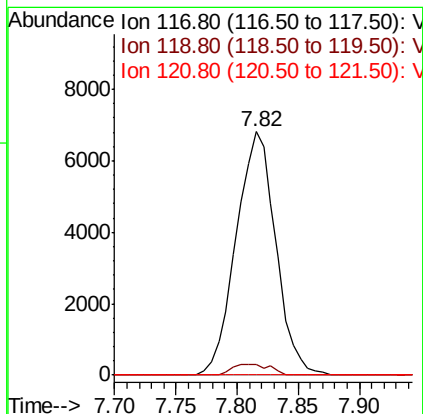
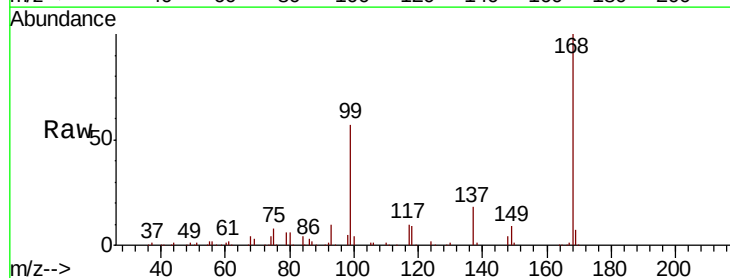
Instrument :
 MSVOA_Y
 ClientSampleId :

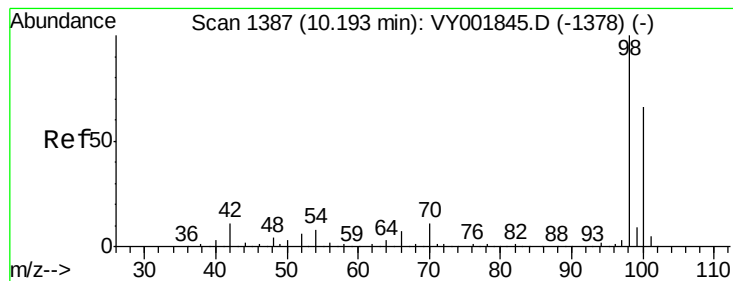
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.605 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY002013.D
 Acq: 19 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 52.733 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002013.D

Acq: 19 Mar 2020 11:54

Instrument :

MSVOA_Y

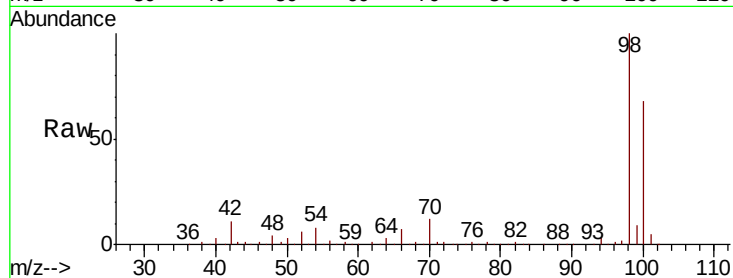
ClientSampleId :

Tot Ion: 98 Resp: 342990

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

200000

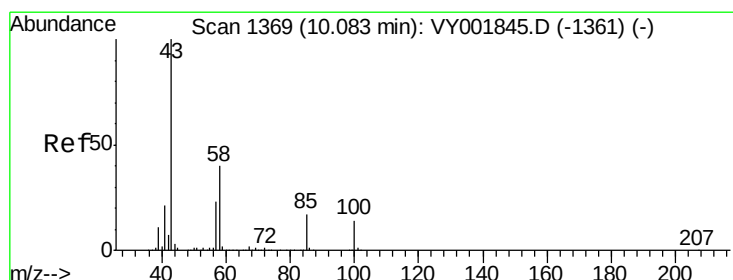
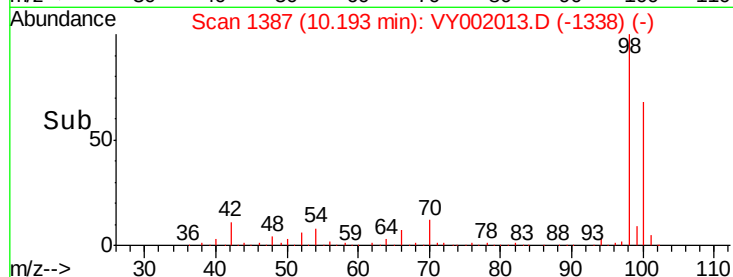
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 5.987 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY002013.D

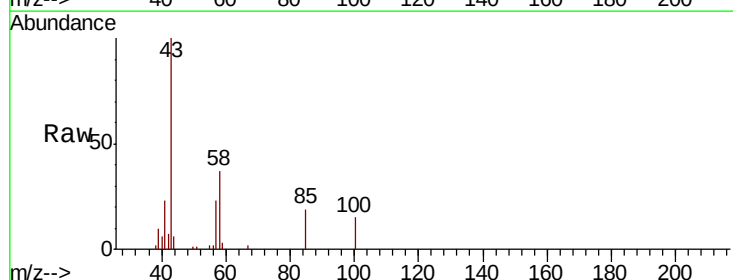
Acq: 19 Mar 2020 11:54

Tgt Ion: 43 Resp: 9224

Ion Ratio Lower Upper

43 100

58 40.6 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)

10.09

6000

5000

4000

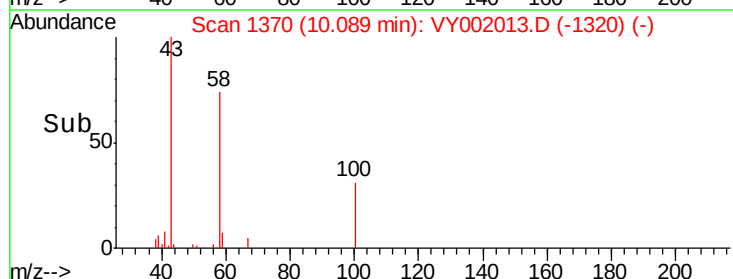
3000

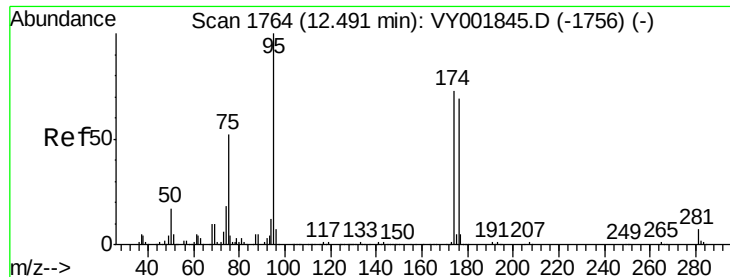
2000

1000

0

Time-->

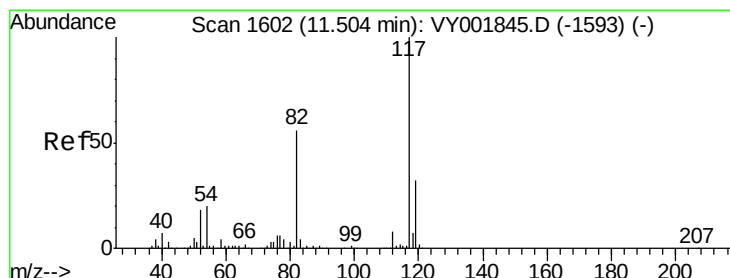
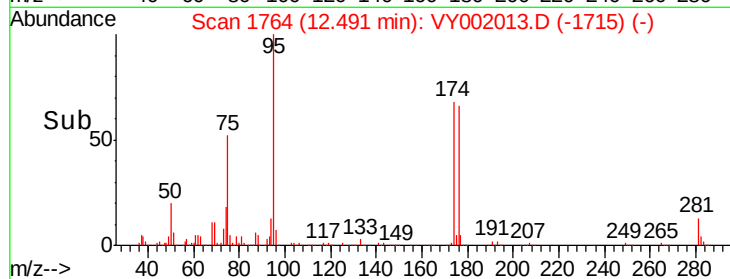
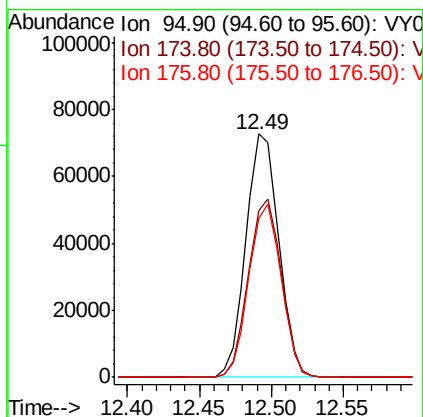
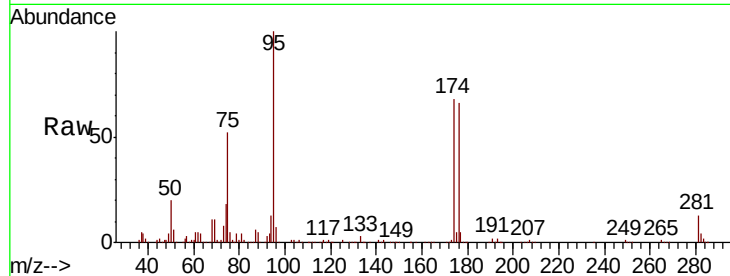




#62
4-Bromofluorobenzene
Concen: 50.703 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002013.D
Acq: 19 Mar 2020 11:54

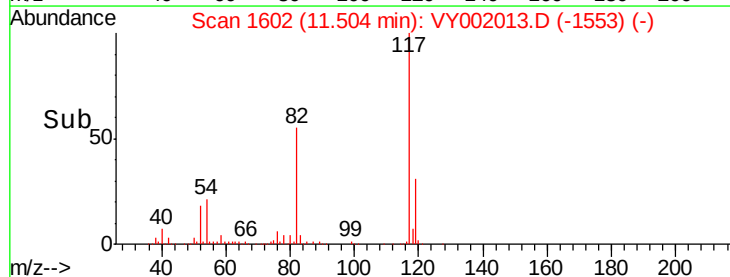
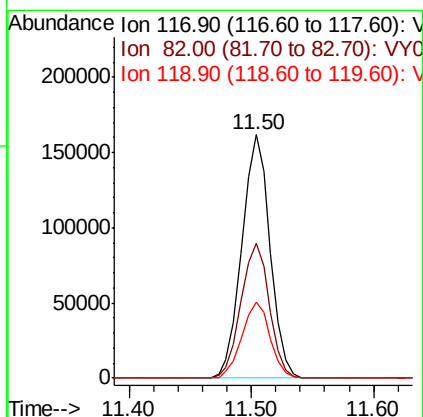
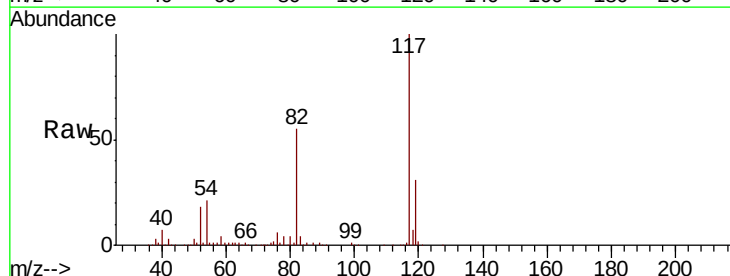
Instrument :
MSVOA_Y
ClientSampled :

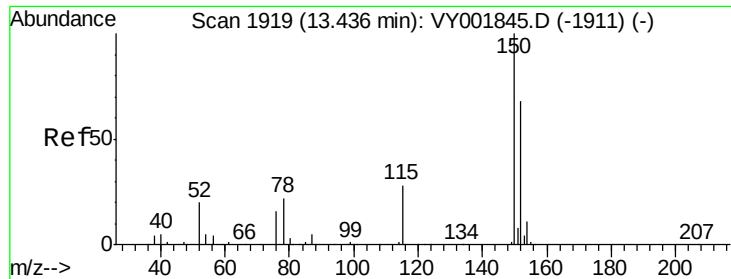
Tot Ion	95	Resp	114670
Ion Ratio	Lower	Upper	
95	100		
174	73.3	0.0	145.0
176	70.2	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY002013.D
Acq: 19 Mar 2020 11:54

Tgt Ion	117	Resp	257318
Ion Ratio	Lower	Upper	
117	100		
82	55.1	44.5	66.7
119	31.2	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002013.D

Acq: 19 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

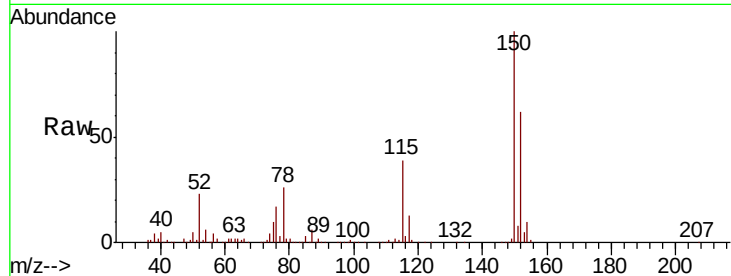
Tot Ion:152 Resp: 109835

Ion Ratio Lower Upper

152 100

115 60.3 29.9 89.7

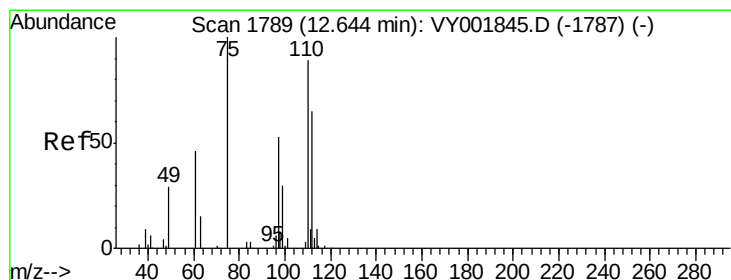
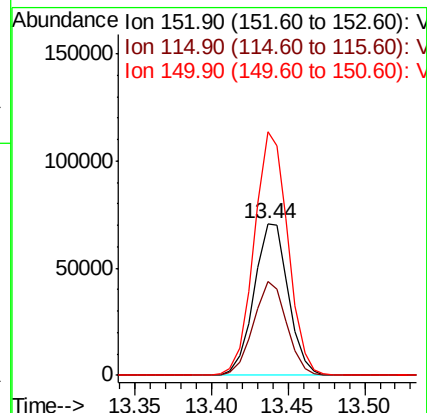
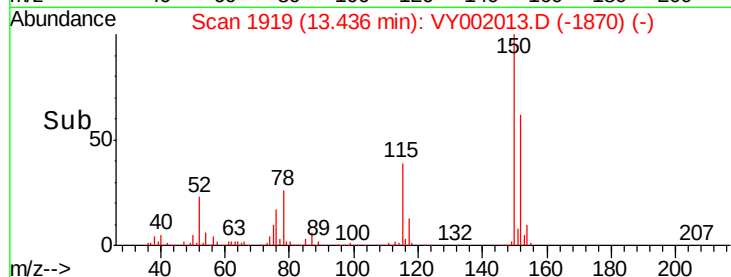
150 158.4 0.0 340.6



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: 45.596 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002013.D

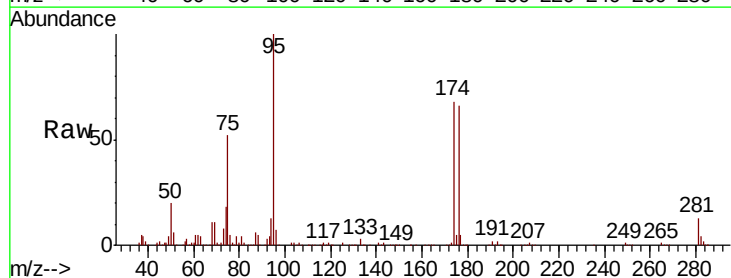
Acq: 19 Mar 2020 11:54

Tgt Ion: 75 Resp: 59424

Ion Ratio Lower Upper

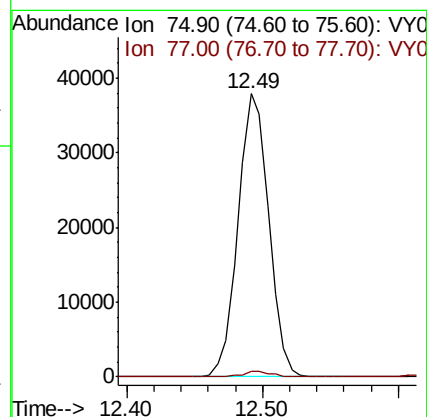
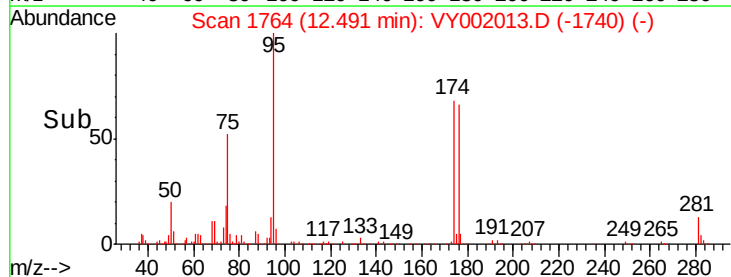
75 100

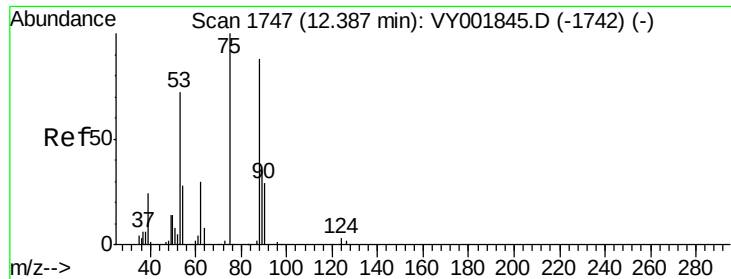
77 1.7 0.0 0.0#



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: 92.102 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY002013.D
 Acq: 19 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 59424
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.6 36.0 54.0#

