

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002061.D
 Acq On : 25 Mar 2020 12:55
 Operator : SY/MD
 Sample : VY0325SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:33:07 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	7.81	168	146906	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	284389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	260941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	113036	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	90233	57.53	ug/l	0.00
Spiked Amount			Recovery	=	115.06%	
35) Dibromofluoromethane	7.74	113	84311	54.29	ug/l	-0.01
Spiked Amount			Recovery	=	108.58%	
50) Toluene-d8	10.19	98	343335	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
62) 4-Bromofluorobenzene	12.49	95	117784	51.73	ug/l	0.00
Spiked Amount			Recovery	=	103.46%	

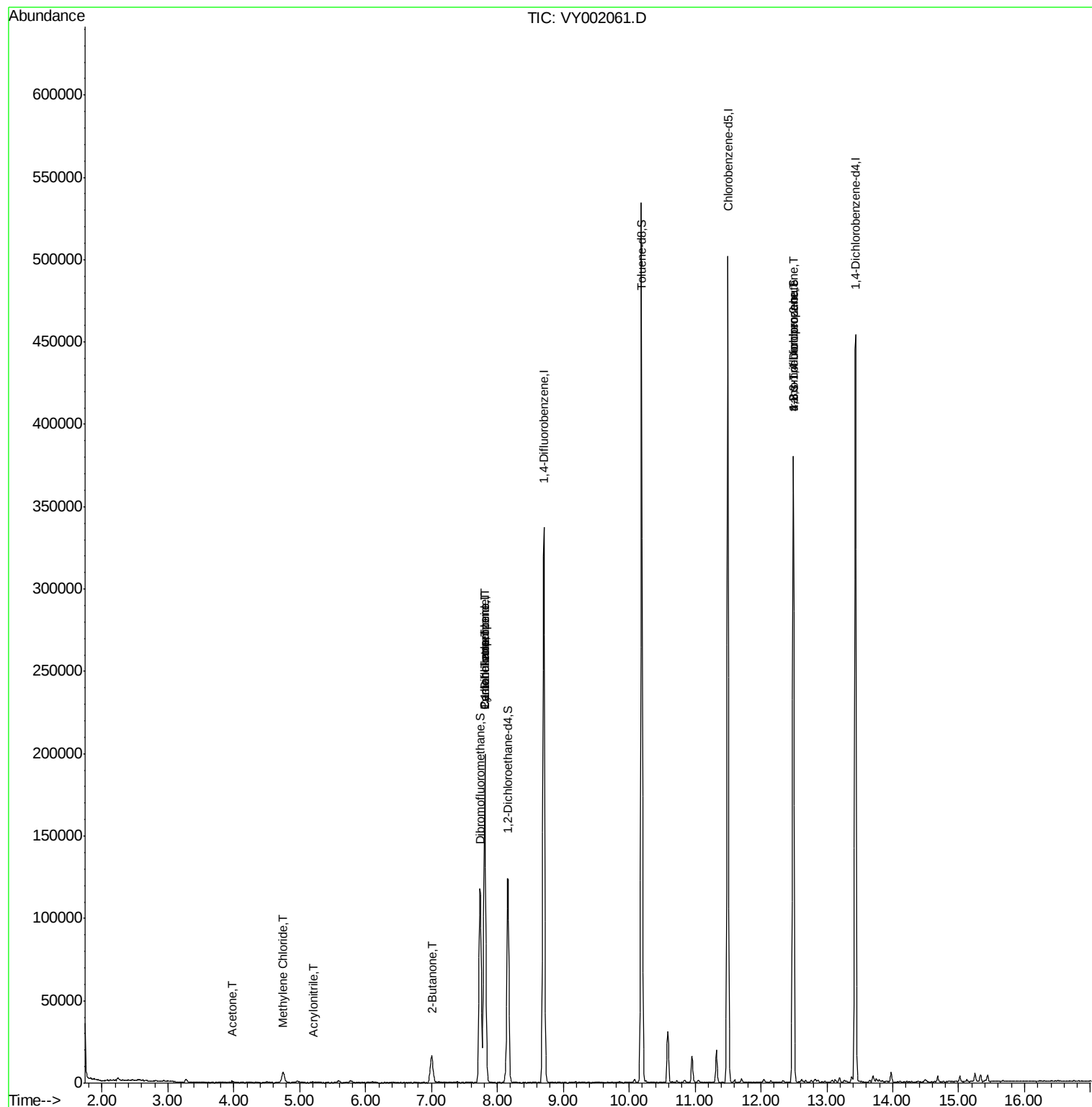
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.68	94	118	Below Cal		90
11) Tert butyl alcohol	4.96	59	663	Below Cal	#	74
15) Acrylonitrile	5.21	53	631	1.188	ug/l #	93
16) Acetone	3.97	43	1565	3.426	ug/l #	82
20) Methylene Chloride	4.74	84	4354	2.224	ug/l	93
25) 2-Butanone	7.02	43	1477	2.126	ug/l #	72
31) Cyclohexane	7.80	56	3499	1.015	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	12598	4.603	ug/l #	49
38) Carbon Tetrachloride	7.81	117	15234	6.516	ug/l #	15
76) 1,2,3-Trichloropropane	12.49	75	61725	46.021	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	61725	92.959	ug/l #	17

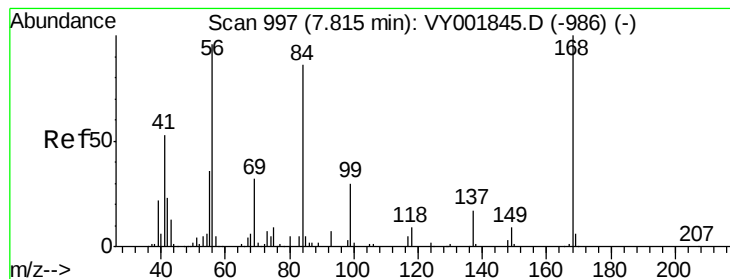
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
Data File : VY002061.D
Acq On : 25 Mar 2020 12:55
Operator : SY/MD
Sample : VY0325SBL01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 26 06:33:07 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: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY002061.D

Acq: 25 Mar 2020 12:55

Instrument :

MSVOA_Y

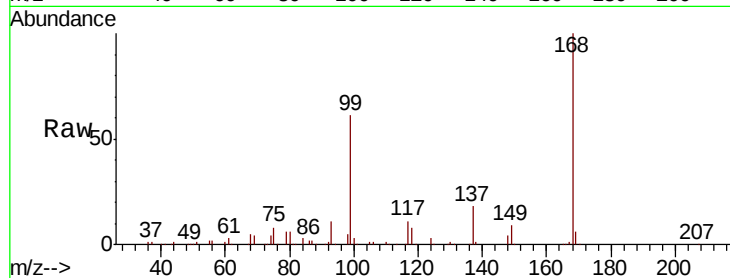
ClientSampleId :

Tot Ion:168 Resp: 146906

Ion Ratio Lower Upper

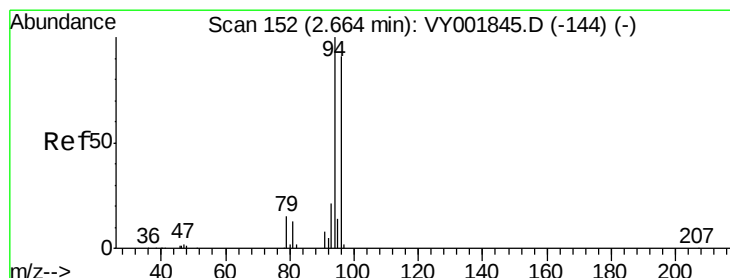
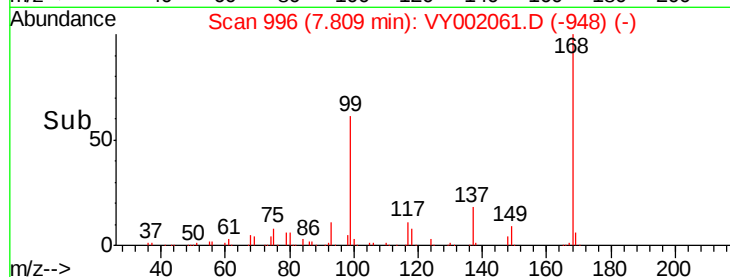
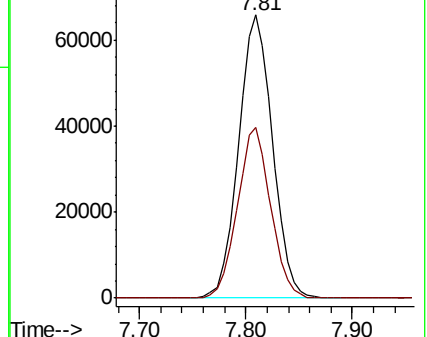
168 100

99 60.5 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: VY002061.D

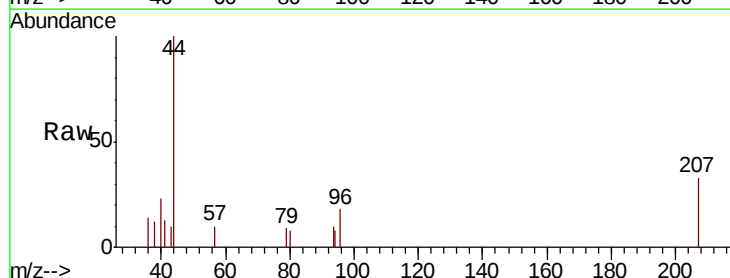
Acq: 25 Mar 2020 12:55

Tgt Ion: 94 Resp: 118

Ion Ratio Lower Upper

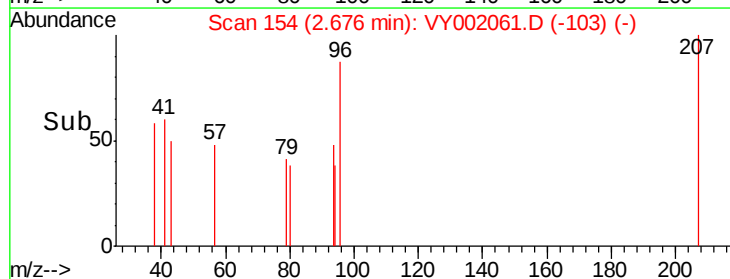
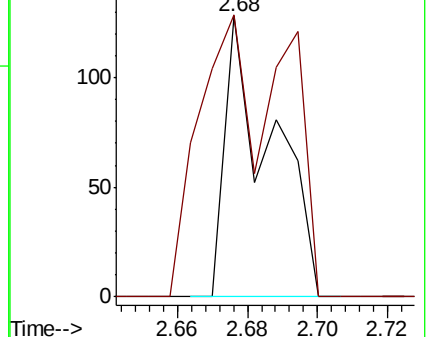
94 100

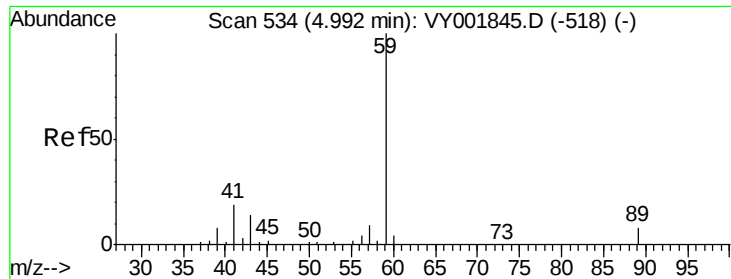
96 100.8 73.2 109.8



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

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

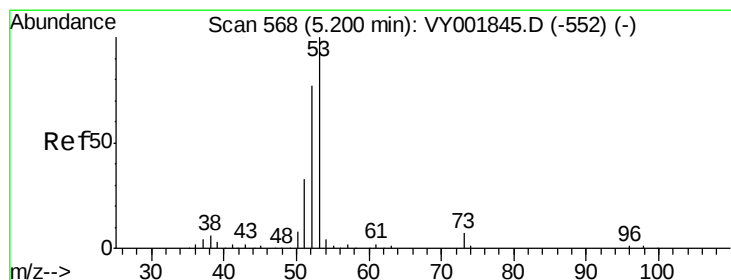
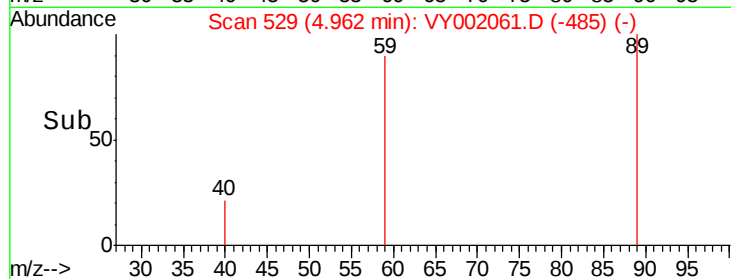
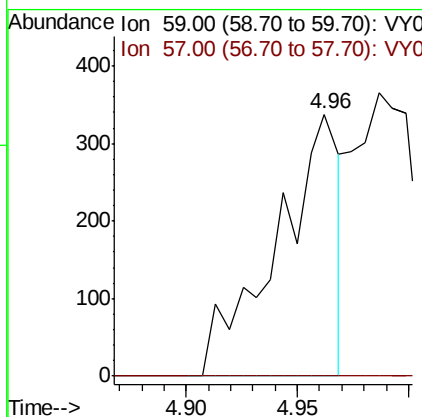
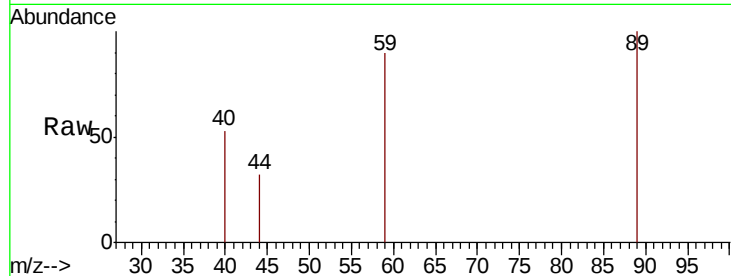




#11
 Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VY002061.D
 Acq: 25 Mar 2020 12:55

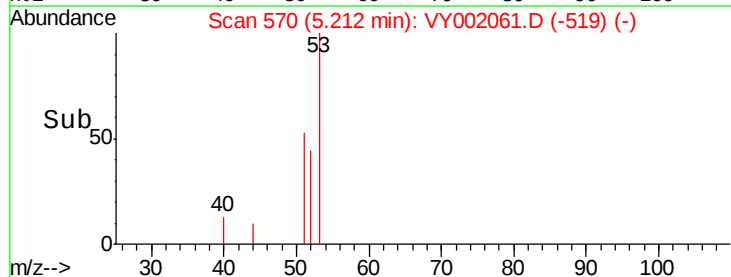
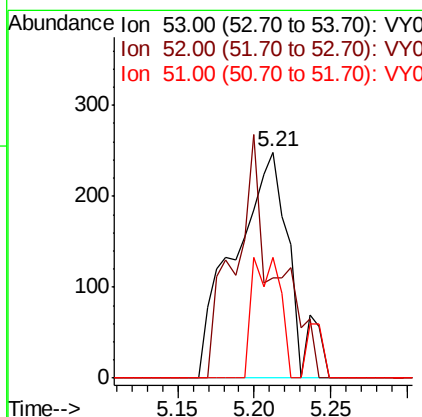
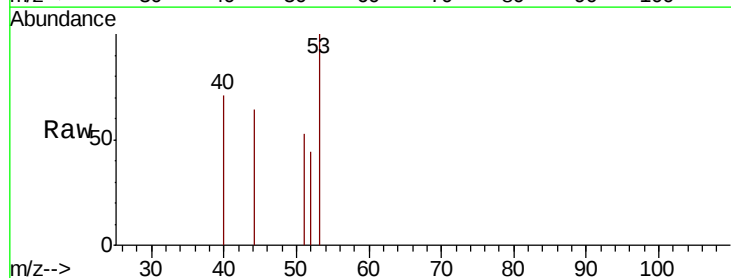
Instrument :
 MSVOA_Y
 ClientSampled :

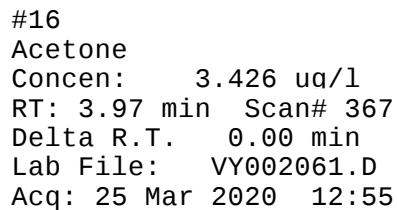
Tot Ion: 59 Resp: 663
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#



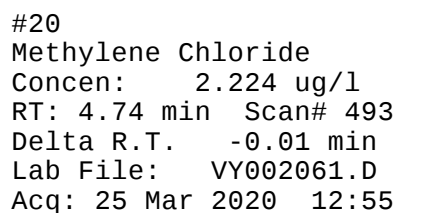
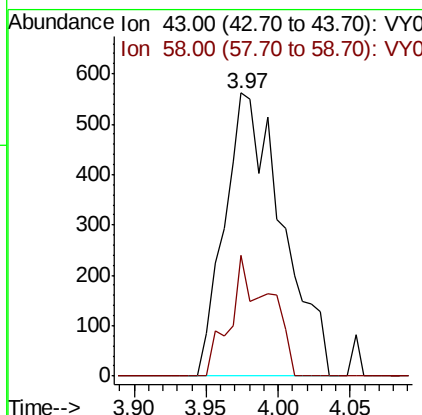
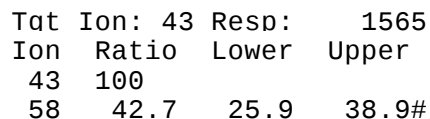
#15
 Acrylonitrile
 Concen: 1.188 ug/l
 RT: 5.21 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VY002061.D
 Acq: 25 Mar 2020 12:55

Tgt Ion: 53 Resp: 631
 Ion Ratio Lower Upper
 53 100
 52 77.8 65.1 97.7
 51 26.6 27.5 41.3#

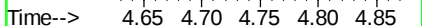
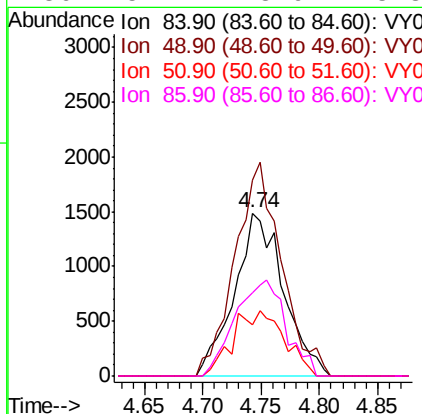


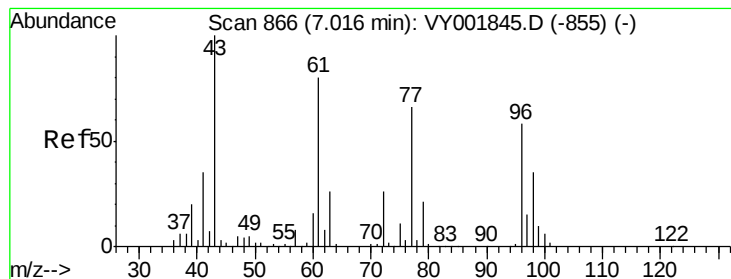


Instrument :
MSVOA_Y
ClientSampleId :



Tgt	Ion: 84	Resp:	4354
Ion	Ratio	Lower	Upper
84	100		
49	120.3	98.2	147.2
51	31.2	30.2	45.2
86	51.4	48.9	73.3





#25

2-Butanone

Concen: 2.126 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.00 min

Lab File: VY002061.D

Acq: 25 Mar 2020 12:55

Instrument :

MSVOA_Y

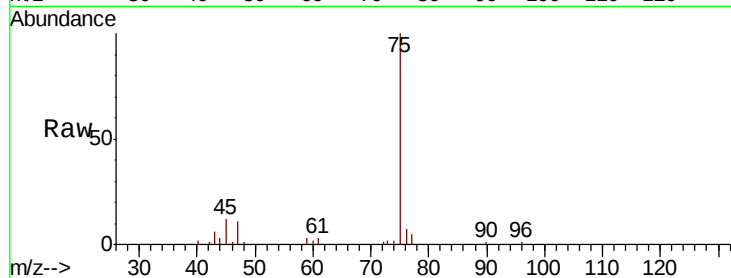
ClientSampled :

Tot Ion: 43 Resp: 1477

Ion Ratio Lower Upper

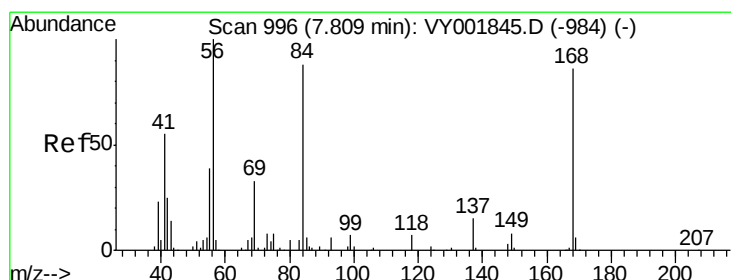
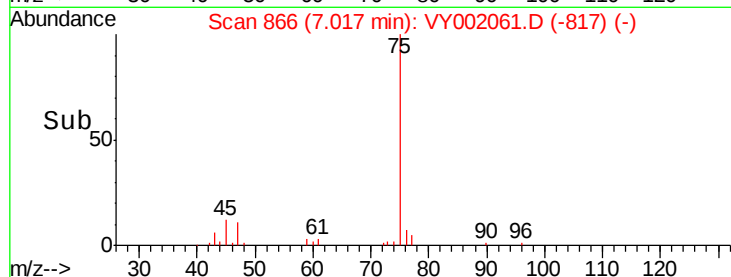
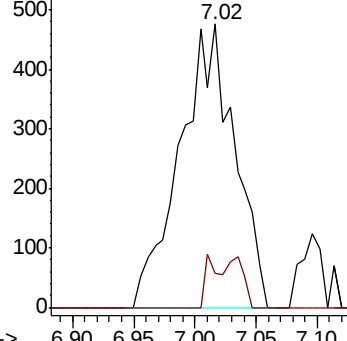
43 100

72 12.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.015 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY002061.D

Acq: 25 Mar 2020 12:55

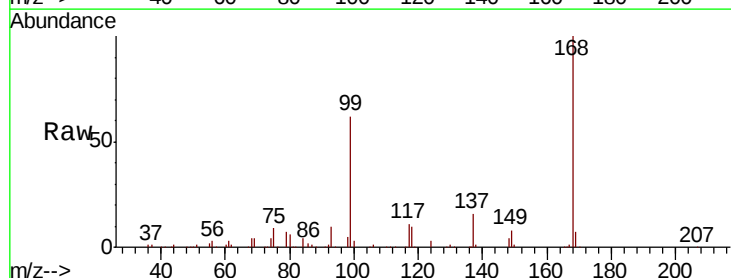
Tgt Ion: 56 Resp: 3499

Ion Ratio Lower Upper

56 100

69 160.6 26.7 40.1#

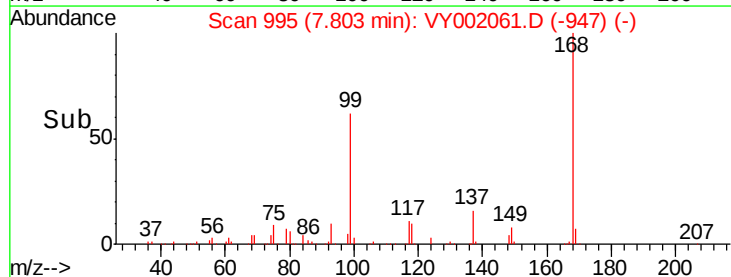
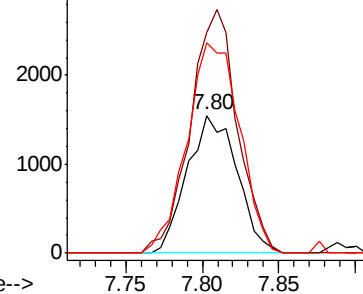
84 152.8 70.4 105.6#

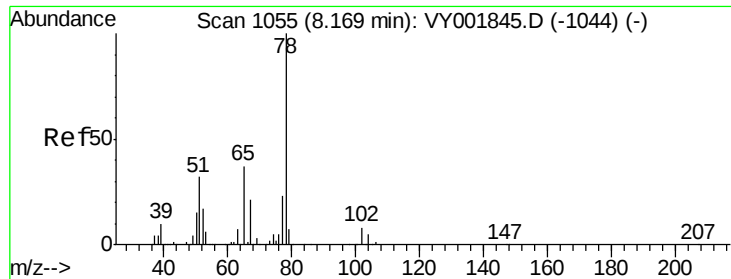


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

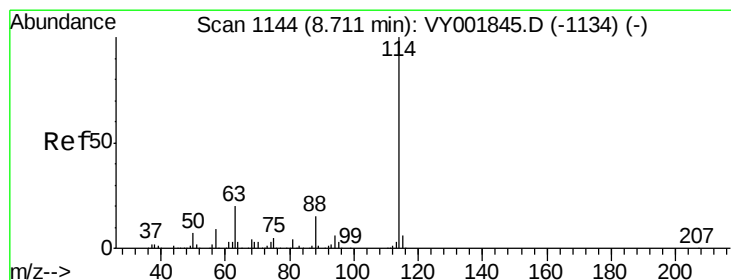
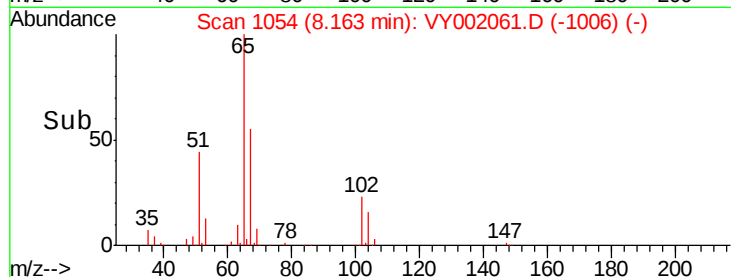
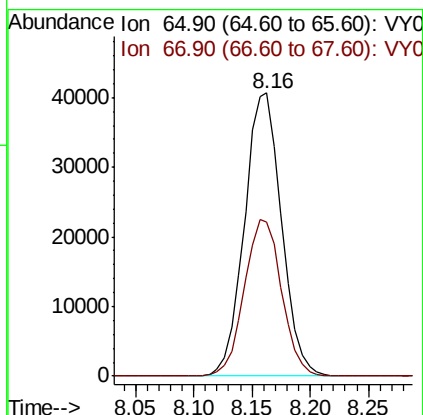
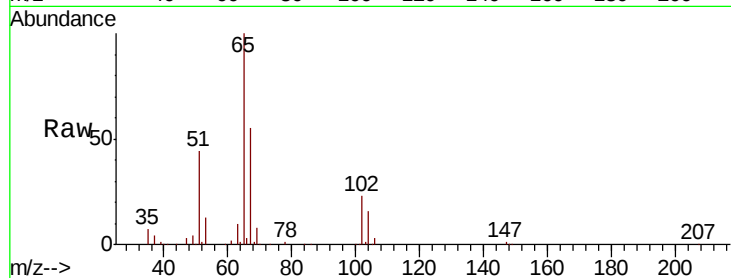




#33
 1,2-Dichloroethane-d4
 Concen: 57.535 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: VY002061.D
 Acq: 25 Mar 2020 12:55

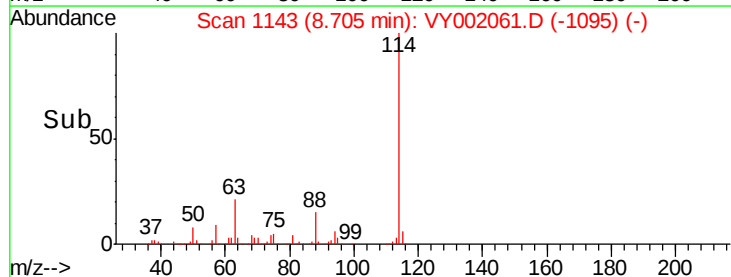
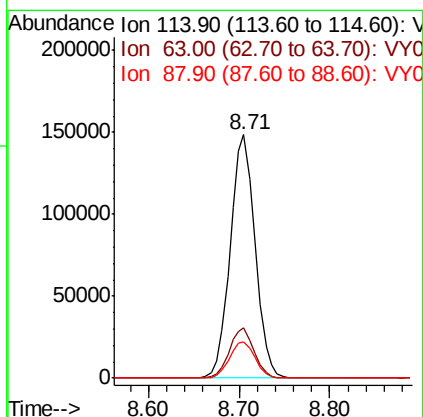
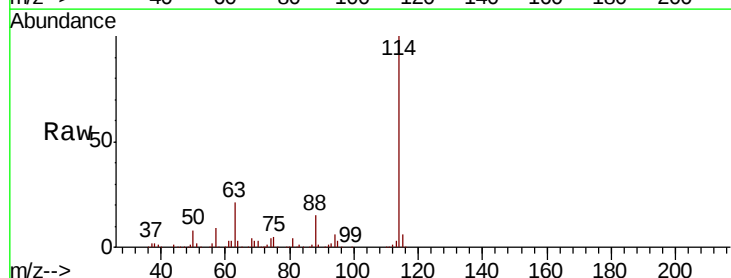
Instrument :
 MSVOA_Y
 ClientSampleId :

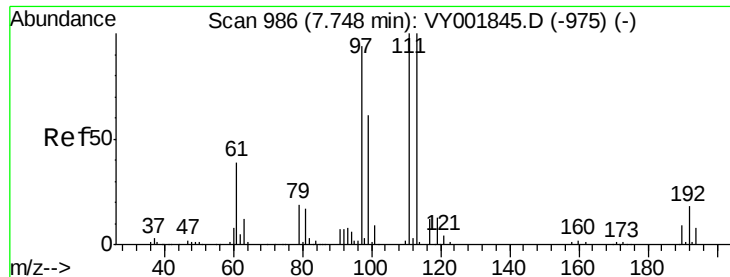
Tot Ion: 65 Resp: 90233
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY002061.D
 Acq: 25 Mar 2020 12:55

Tgt Ion: 114 Resp: 284389
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.4
 88 14.9 0.0 30.4

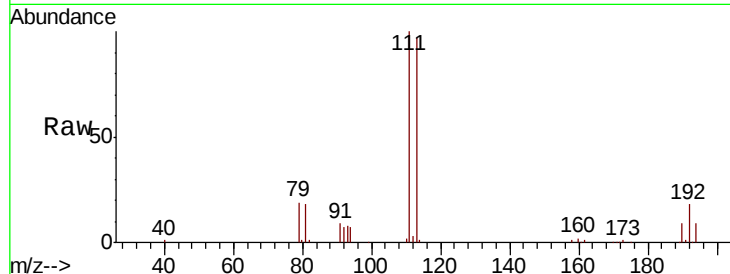




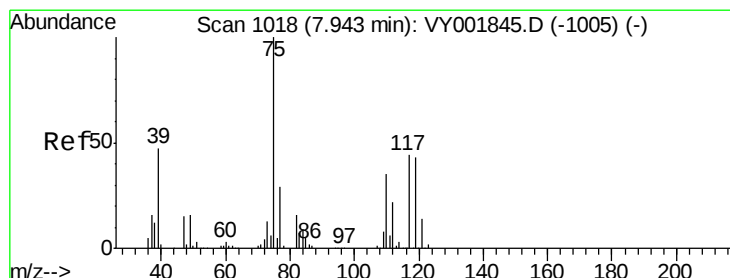
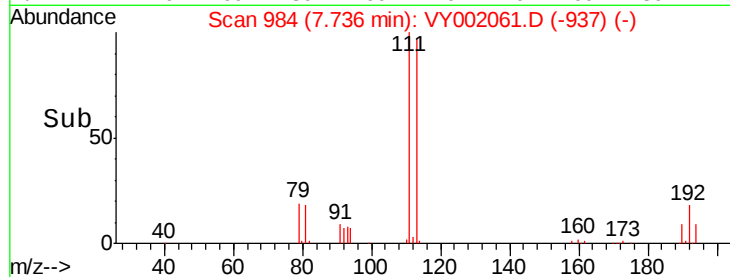
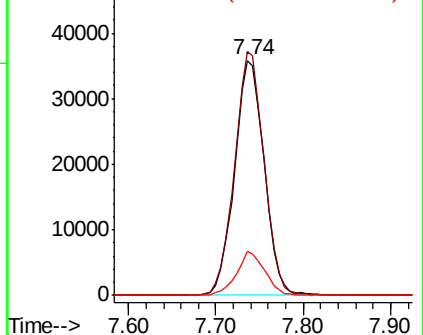
#35
 Dibromofluoromethane
 Concen: 54.293 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY002061.D
 Acq: 25 Mar 2020 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:113 Resp: 84311
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.8 122.8
 192 17.6 14.2 21.2

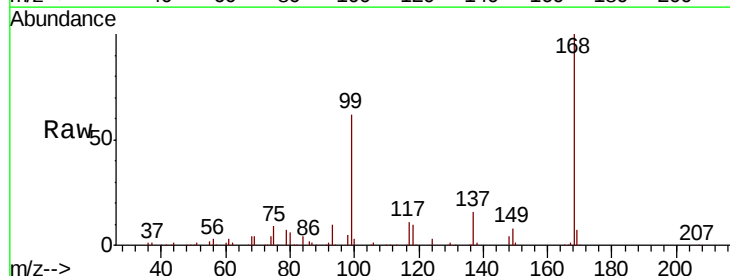


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

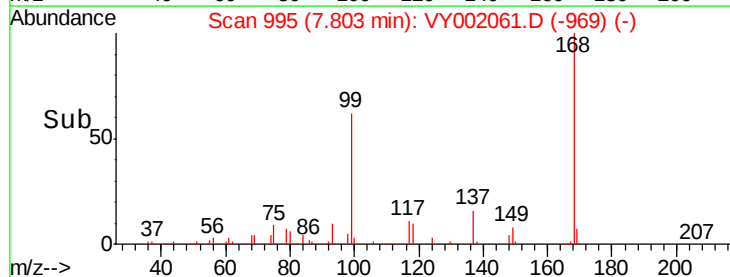
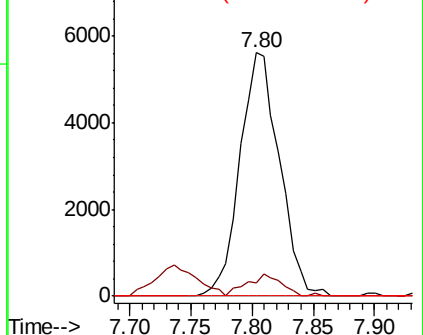


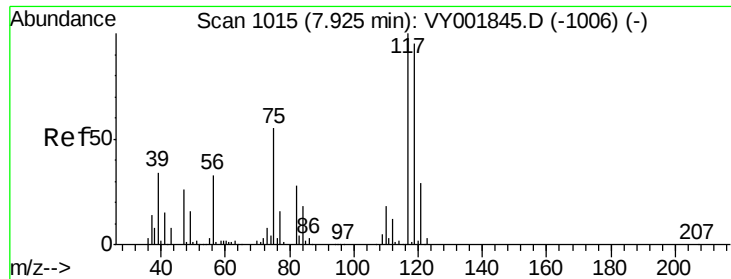
#36
 1,1-Dichloropropene
 Concen: 4.603 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY002061.D
 Acq: 25 Mar 2020 12:55

Tgt Ion: 75 Resp: 12598
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.4 52.2#
 77 0.0 24.2 36.2#



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





#38

Carbon Tetrachloride

Concen: 6.516 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002061.D

Acq: 25 Mar 2020 12:55

Instrument :

MSVOA_Y

ClientSampled :

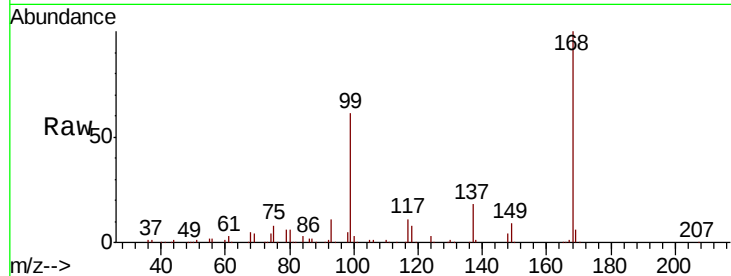
Tot Ion:117 Resp: 15234

Ion Ratio Lower Upper

117 100

119 4.0 76.3 114.5#

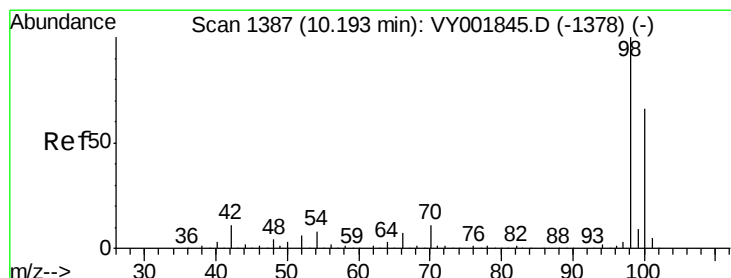
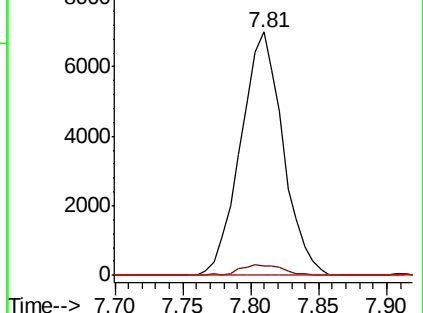
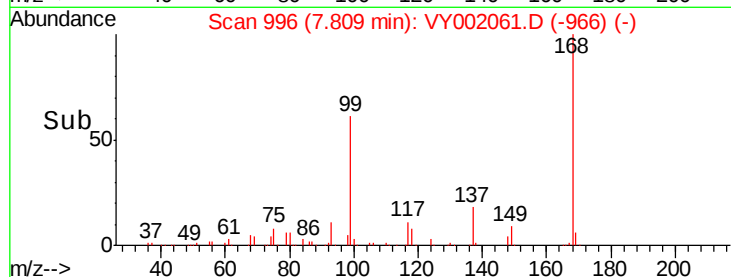
121 0.0 23.5 35.3#



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: 52.431 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY002061.D

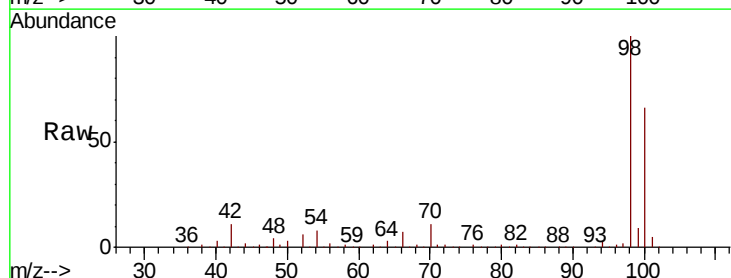
Acq: 25 Mar 2020 12:55

Tgt Ion: 98 Resp: 343335

Ion Ratio Lower Upper

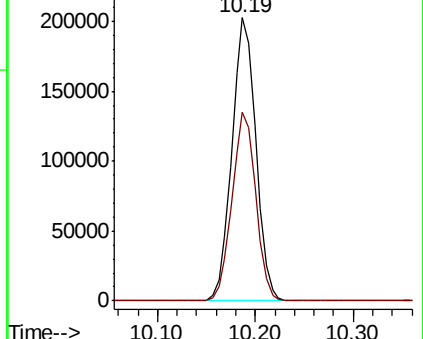
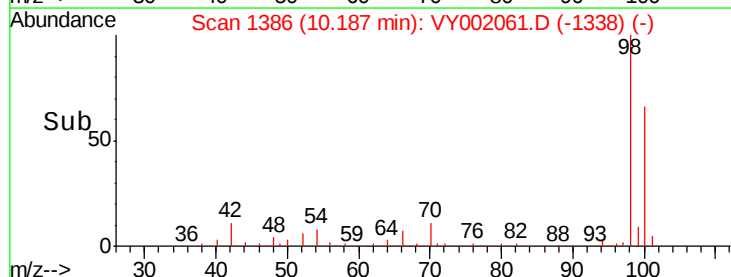
98 100

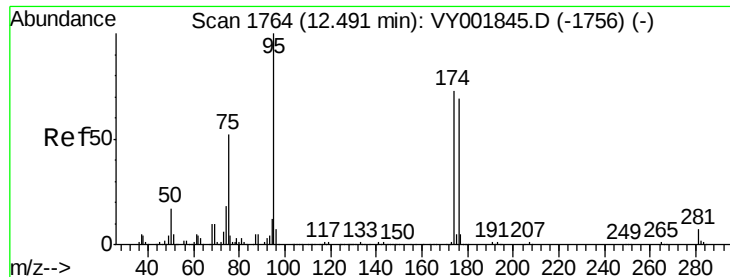
100 66.1 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

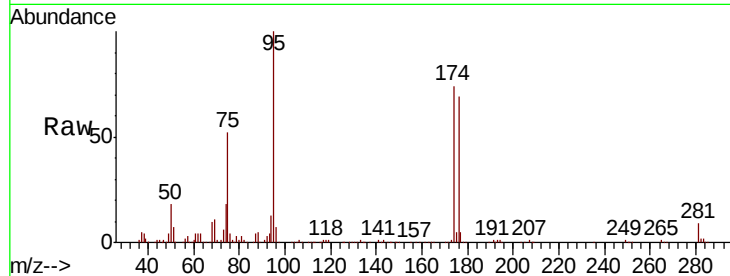




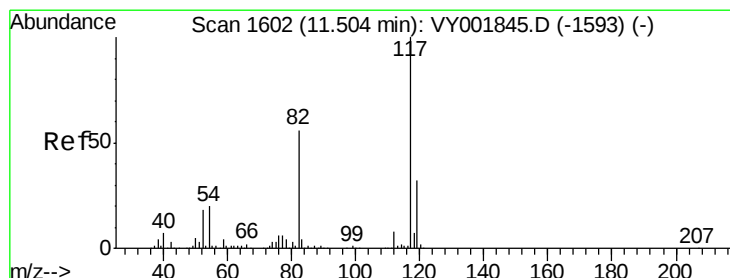
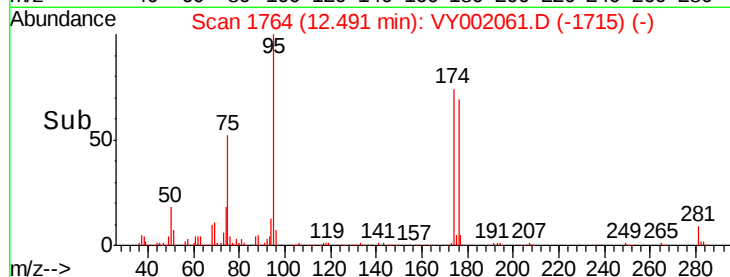
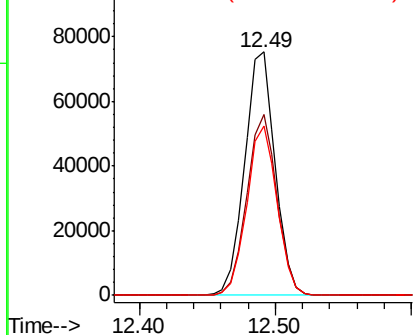
#62
4-Bromofluorobenzene
Concen: 51.730 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002061.D
Acq: 25 Mar 2020 12:55

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 95 Resp: 117784
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.0
176 69.3 0.0 137.4

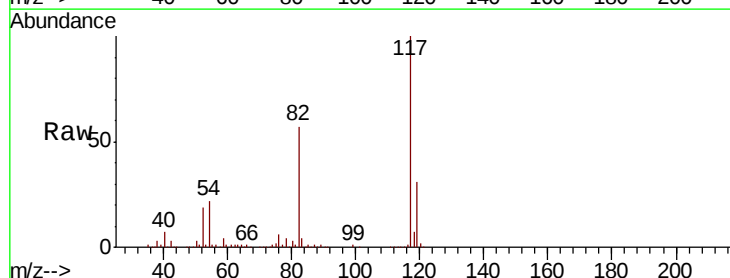


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

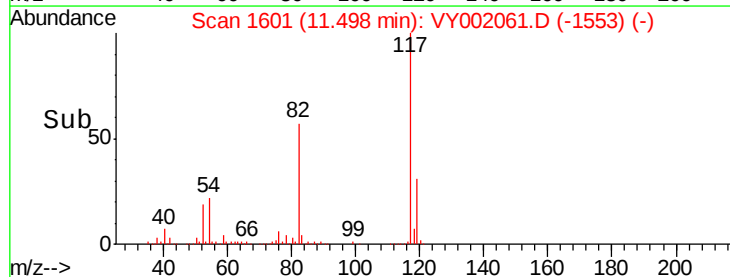
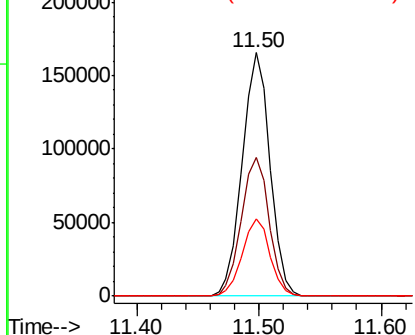


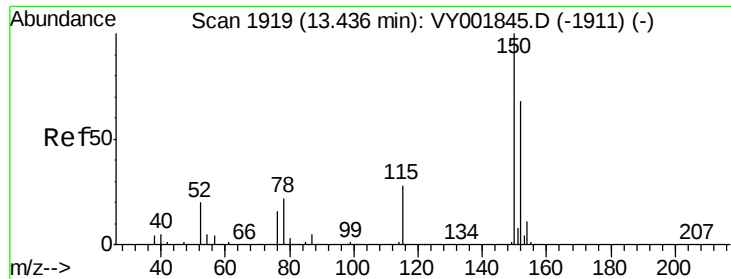
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002061.D
Acq: 25 Mar 2020 12:55

Tgt Ion: 117 Resp: 260941
Ion Ratio Lower Upper
117 100
82 56.9 44.5 66.7
119 31.5 25.7 38.5



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY002061.D

Acq: 25 Mar 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

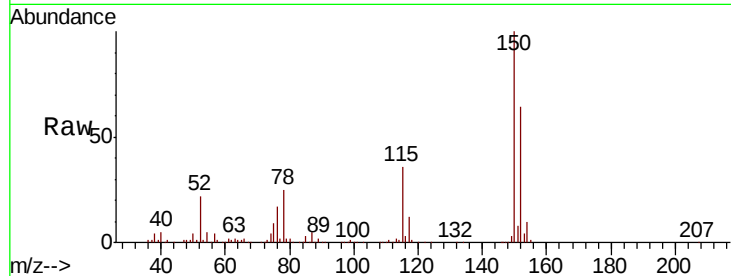
Tot Ion:152 Resp: 113036

Ion Ratio Lower Upper

152 100

115 60.4 29.9 89.7

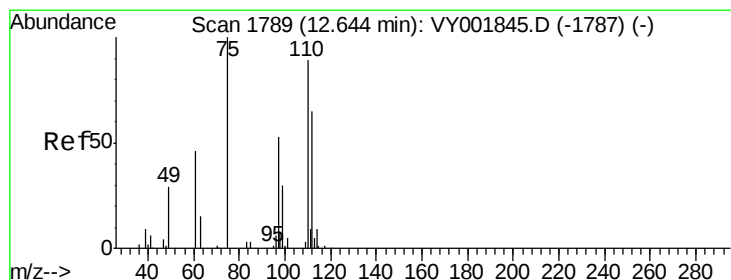
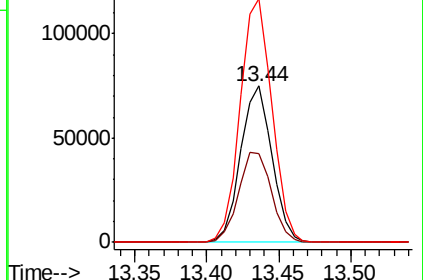
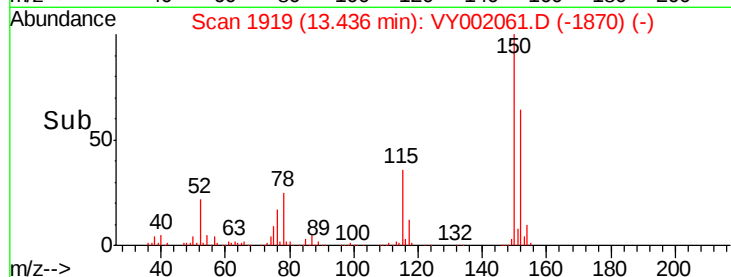
150 157.9 0.0 340.6



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: 46.021 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002061.D

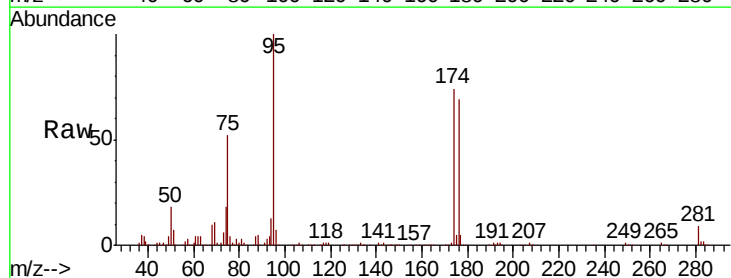
Acq: 25 Mar 2020 12:55

Tgt Ion: 75 Resp: 61725

Ion Ratio Lower Upper

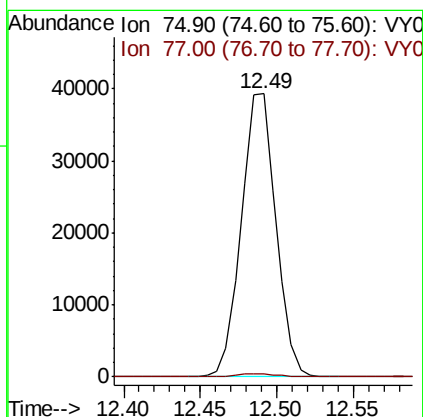
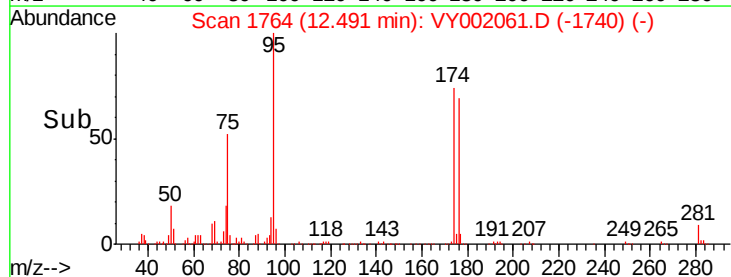
75 100

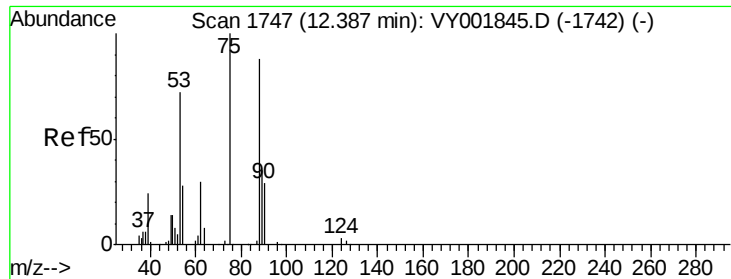
77 1.4 0.0 0.0#



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: 92.959 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY002061.D

Acq: 25 Mar 2020 12:55

Instrument :

MSVOA_Y

ClientSampleId :

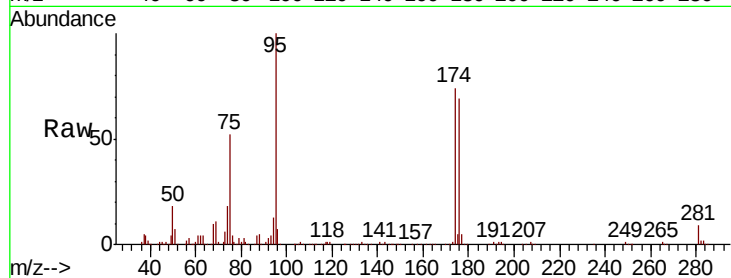
Tot Ion: 75 Resp: 61725

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.4 36.0 54.0#



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

