

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101819\
 Data File : VY000352.D
 Acq On : 18 Oct 2019 15:31
 Operator : SY/MD
 Sample : K5453-01RE
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 19 00:54:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	264996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	451109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	381095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	168686	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	136723	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	7.73	113	125765	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
50) Toluene-d8	10.18	98	525351	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.49	95	167020	42.00	ug/l	0.00
Spiked Amount			Recovery	=	84.00%	

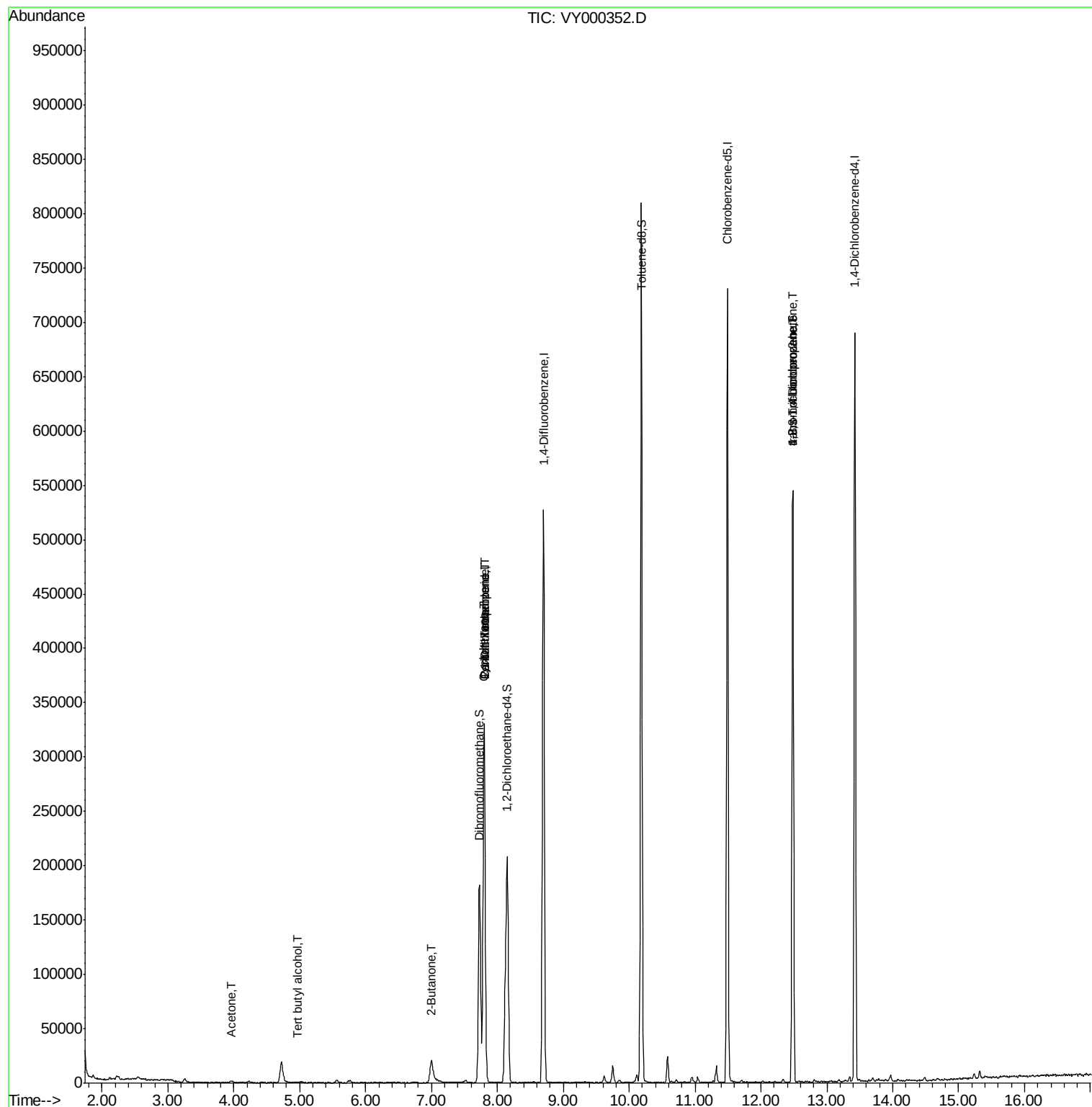
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	229	Below Cal	#	41
11) Tert butyl alcohol	4.96	59	1225	4.188	ug/l #	90
16) Acetone	3.96	43	1427	1.576	ug/l	97
20) Methylene Chloride	4.72	84	13674	Below Cal		89
25) 2-Butanone	6.99	43	1641	1.287	ug/l #	87
31) Cyclohexane	7.79	56	5712	1.068	ug/l #	51
36) 1,1-Dichloropropene	7.80	75	21234	4.808	ug/l #	48
38) Carbon Tetrachloride	7.80	117	26094	6.102	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	88407	42.621	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88407	93.253	ug/l #	14

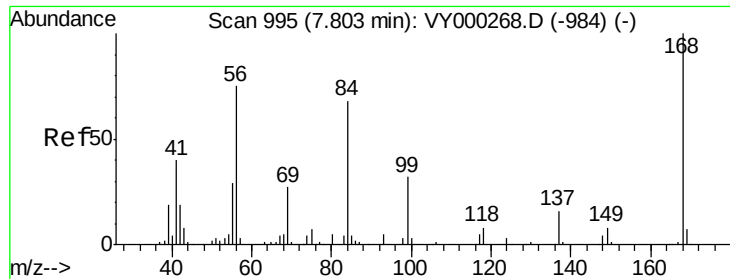
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 19 00:54:33 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000352.D

Acq: 18 Oct 2019 15:31

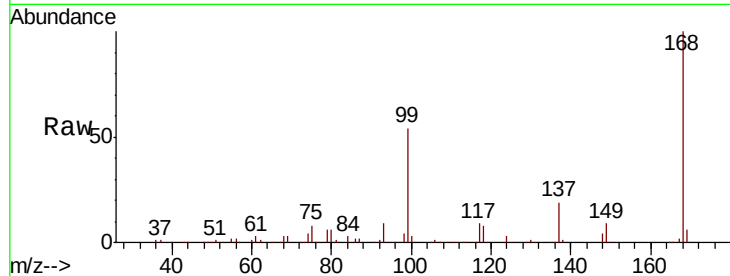
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 264996

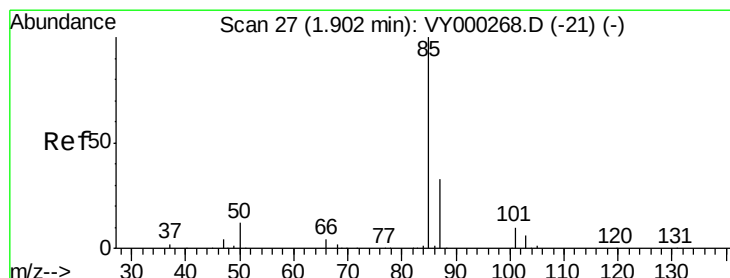
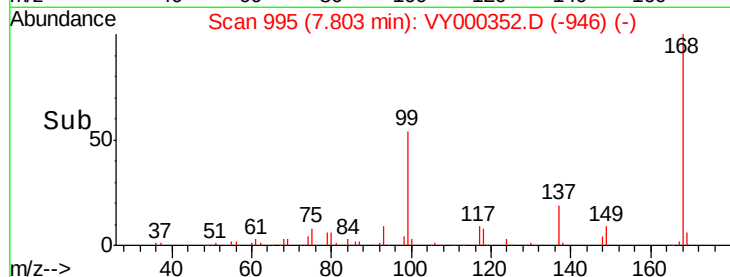
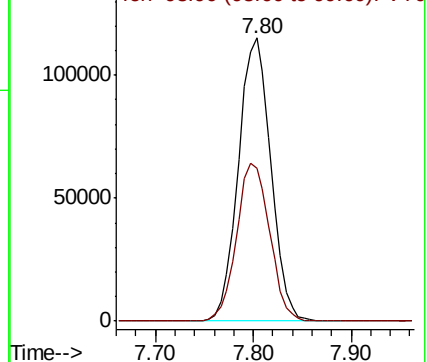
Ion Ratio Lower Upper

168 100

99 53.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000352.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000352.D

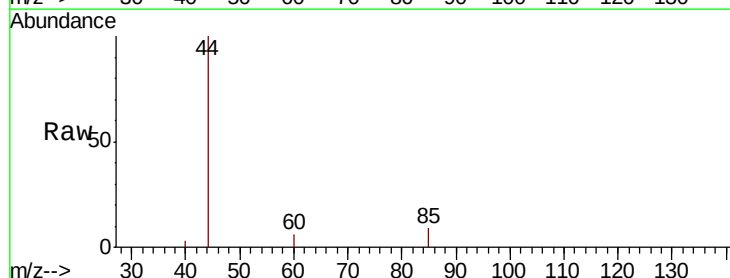
Acq: 18 Oct 2019 15:31

Tgt Ion: 85 Resp: 229

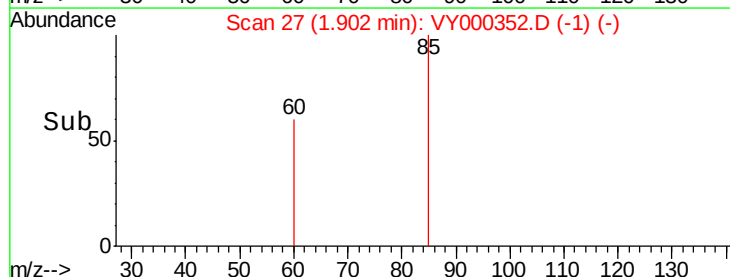
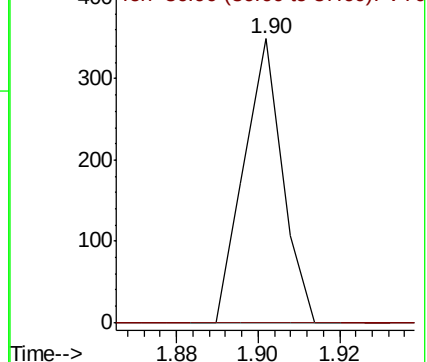
Ion Ratio Lower Upper

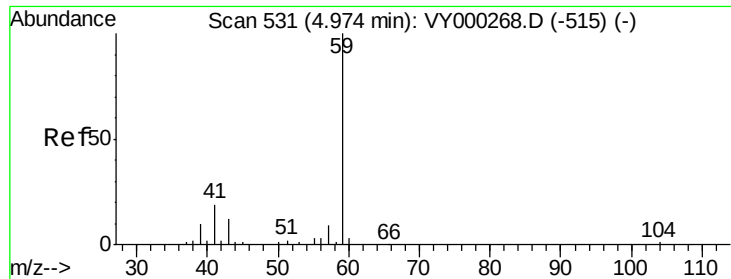
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000352.D (-1) (-)

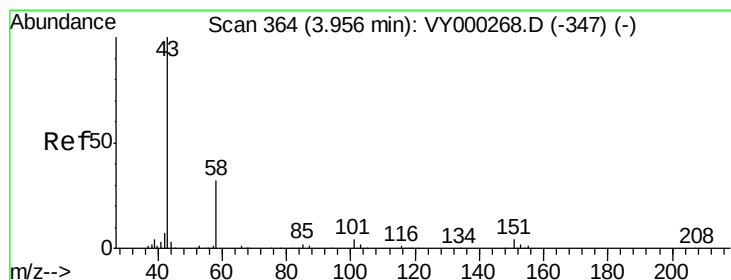
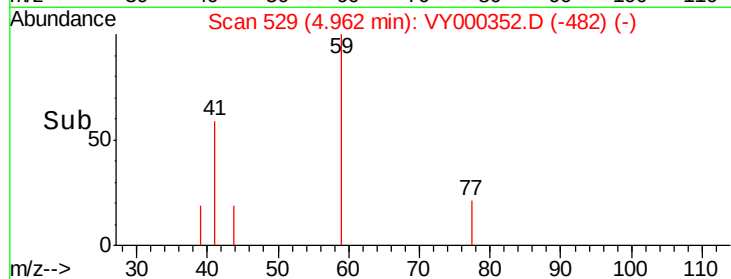
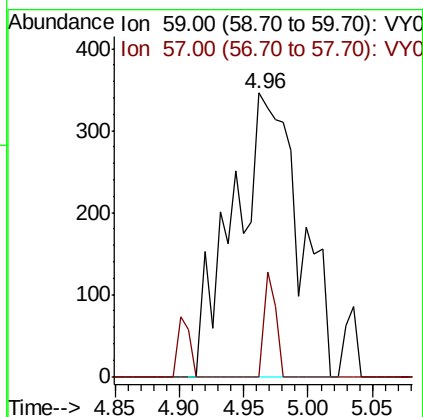
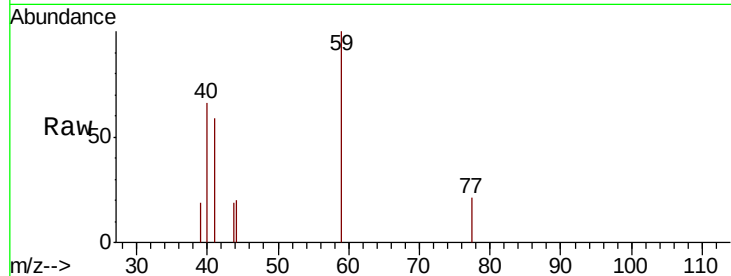




#11
Tert butyl alcohol
Concen: 4.188 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000352.D
Acq: 18 Oct 2019 15:31

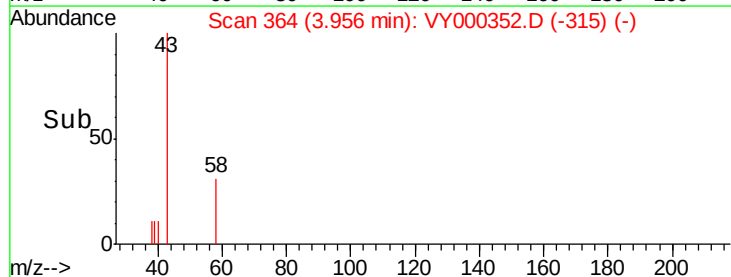
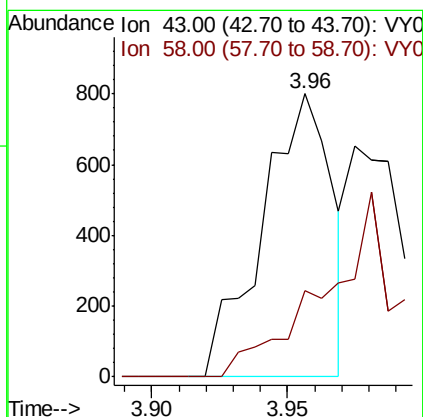
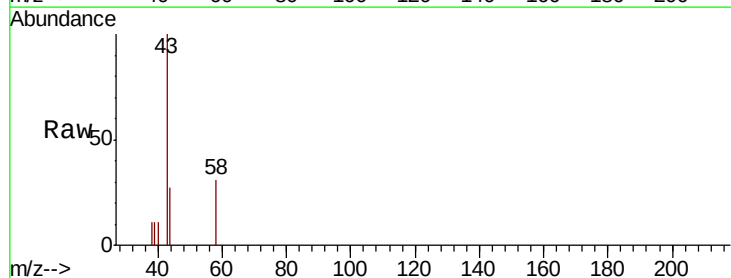
Instrument :
MSVOA_Y
ClientSampleId :

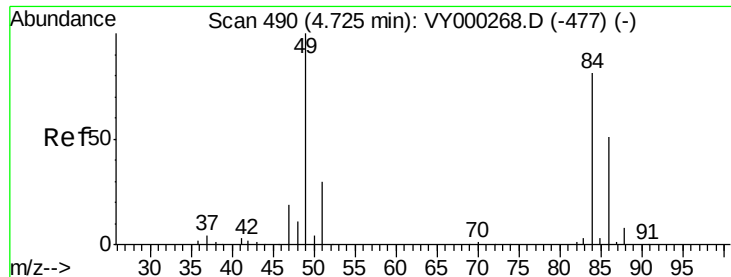
Tot Ion: 59 Resp: 1225
Ion Ratio Lower Upper
59 100
57 6.4 8.2 12.2#



#16
Acetone
Concen: 1.576 ug/l
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VY000352.D
Acq: 18 Oct 2019 15:31

Tgt Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
58 30.6 25.8 38.6

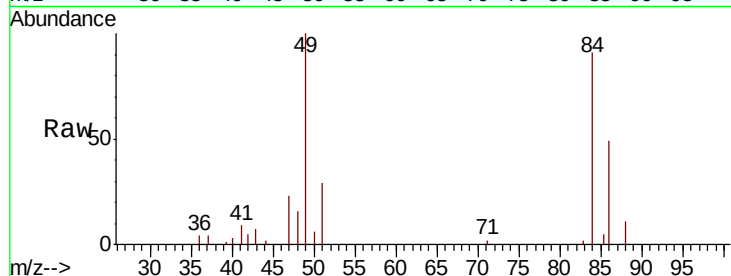




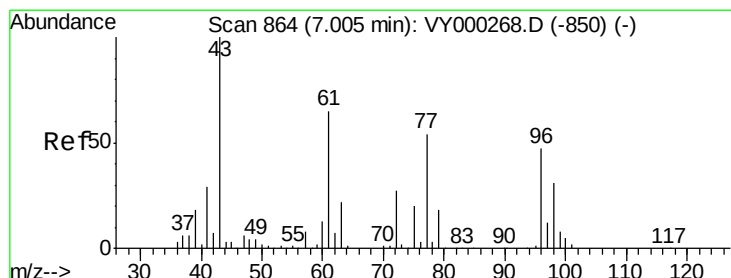
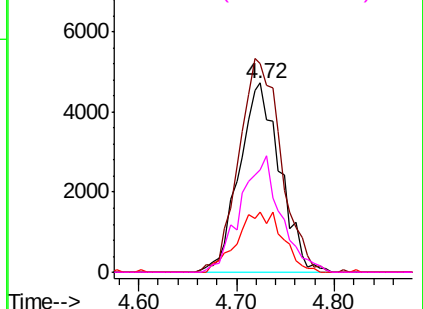
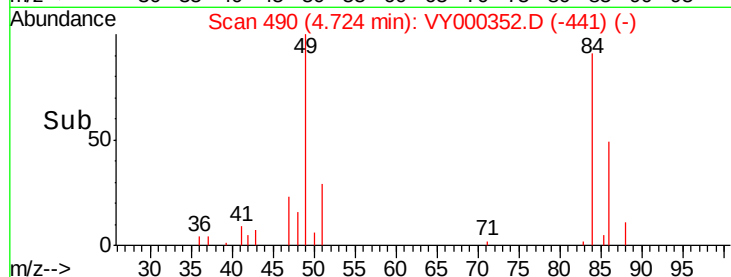
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000352.D
Acq: 18 Oct 2019 15:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 13674
Ion Ratio Lower Upper
84 100
49 110.3 99.0 148.4
51 31.7 29.3 43.9
86 53.9 50.2 75.4

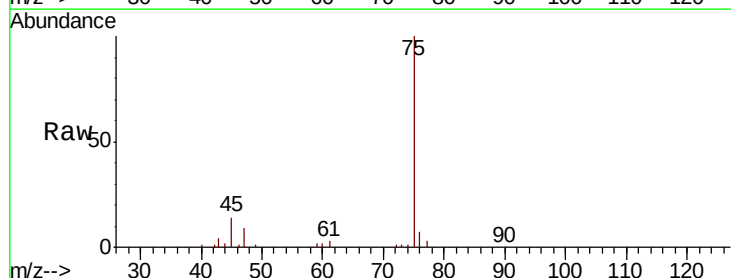


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

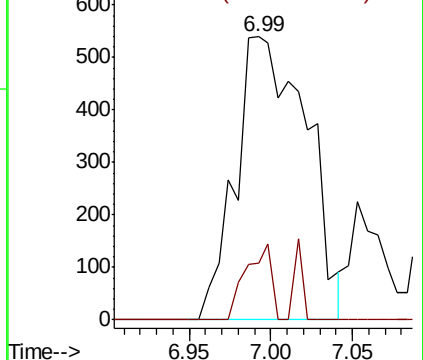
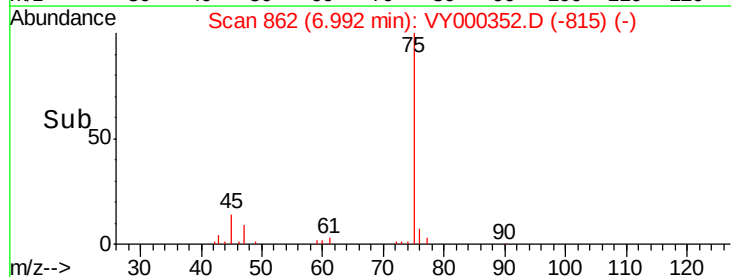


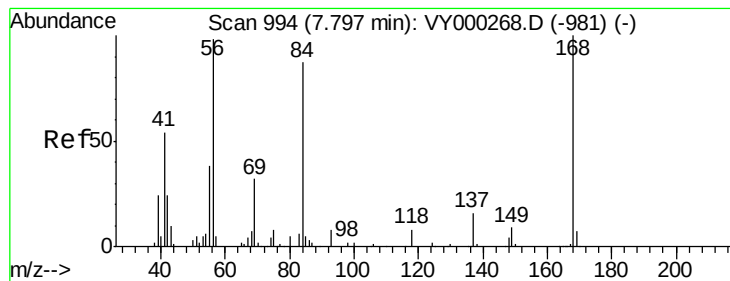
#25
2-Butanone
Concen: 1.287 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000352.D
Acq: 18 Oct 2019 15:31

Tgt Ion: 43 Resp: 1641
Ion Ratio Lower Upper
43 100
72 20.2 21.4 32.2#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#31

Cyclohexane

Concen: 1.068 ug/l

RT: 7.79 min Scan# 993

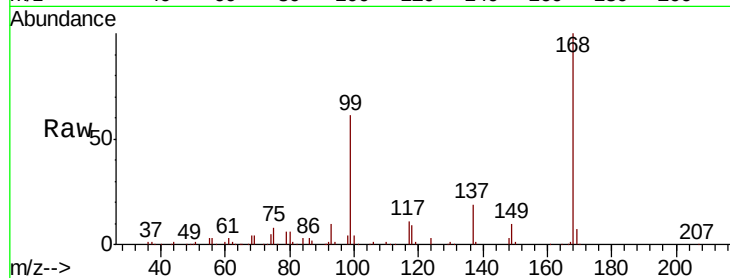
Delta R.T. -0.01 min

Lab File: VY000352.D

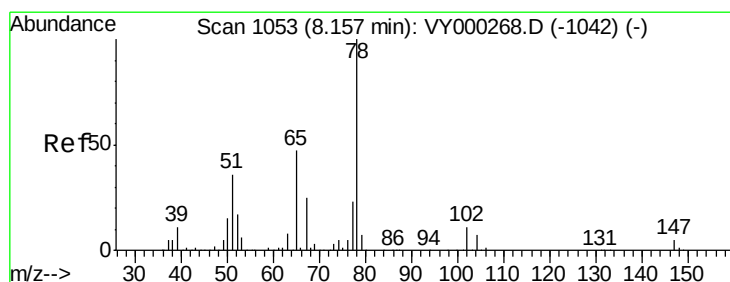
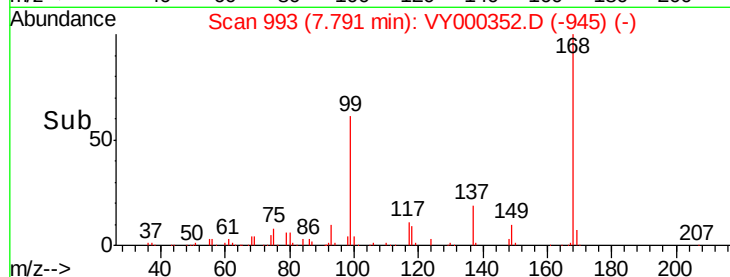
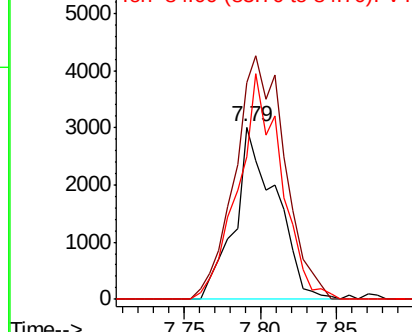
Acq: 18 Oct 2019 15:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 5712
Ion Ratio Lower Upper
56 100
69 125.5 26.3 39.5#
84 82.5 70.8 106.2



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: 48.912 ug/l

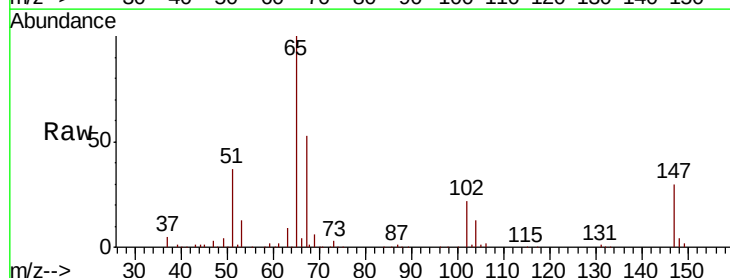
RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

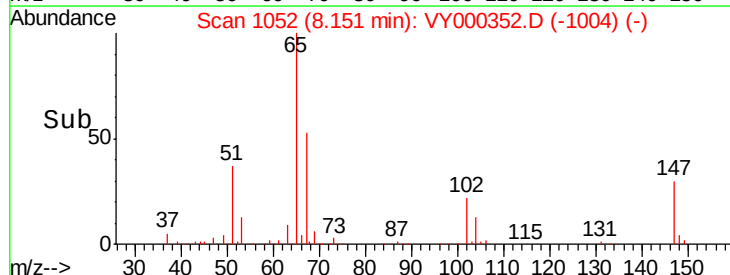
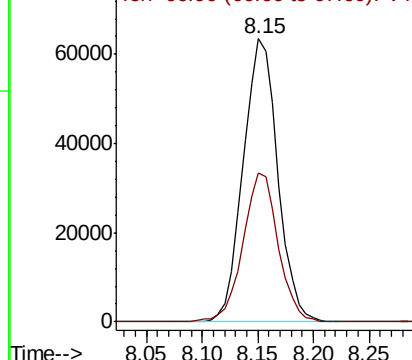
Lab File: VY000352.D

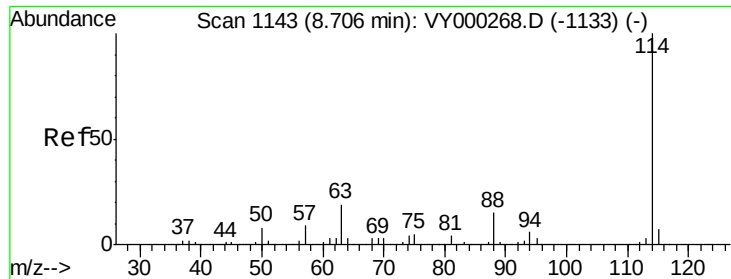
Acq: 18 Oct 2019 15:31

Tgt Ion: 65 Resp: 136723
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

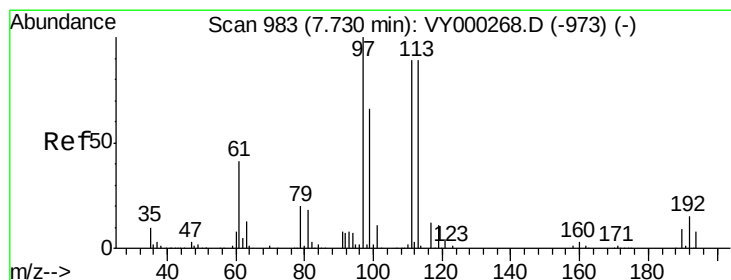
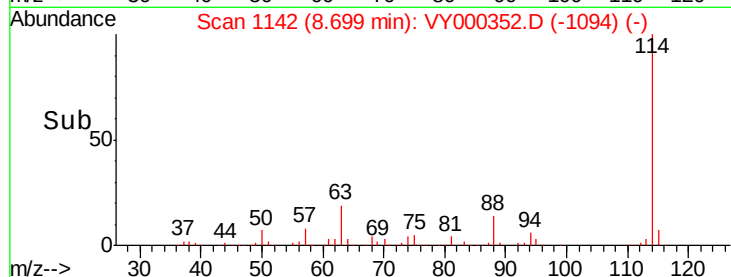
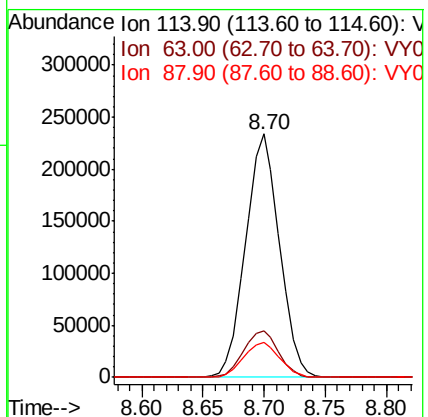
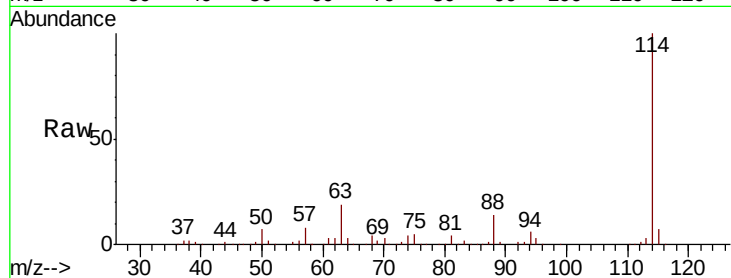




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000352.D
 Acq: 18 Oct 2019 15:31

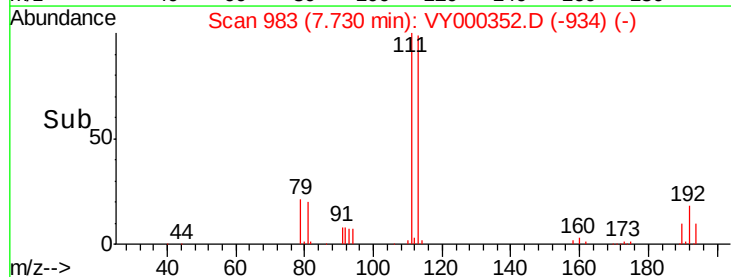
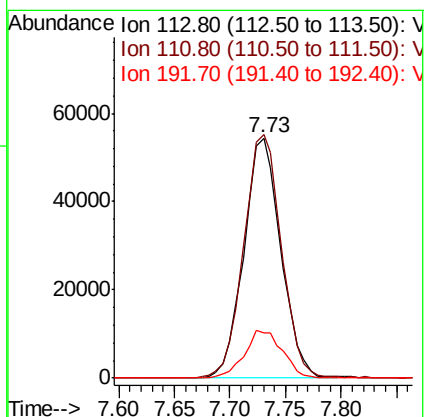
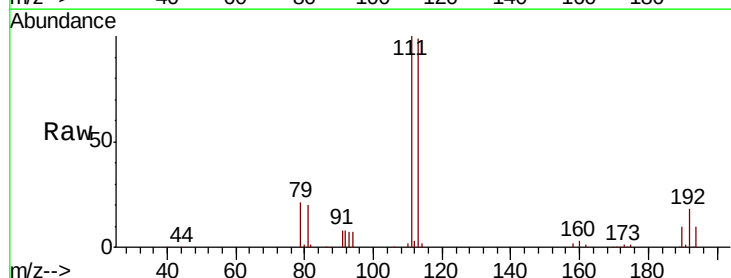
Instrument :
 MSVOA_Y
 ClientSampleId :

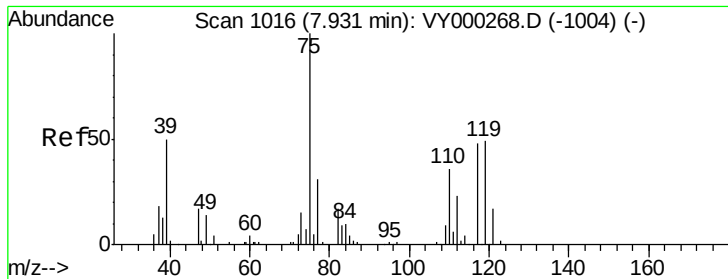
Tot Ion:114 Resp: 451109
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.2
 88 14.4 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 46.218 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000352.D
 Acq: 18 Oct 2019 15:31

Tgt Ion:113 Resp: 125765
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.6 122.4
 192 20.2 15.3 22.9

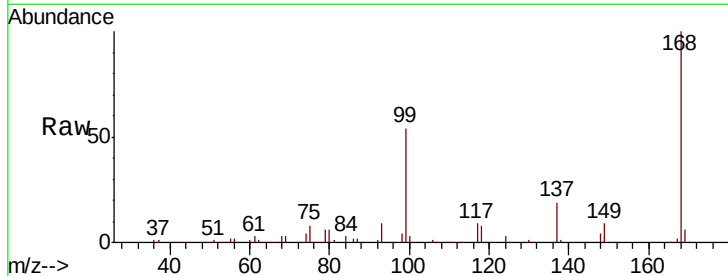




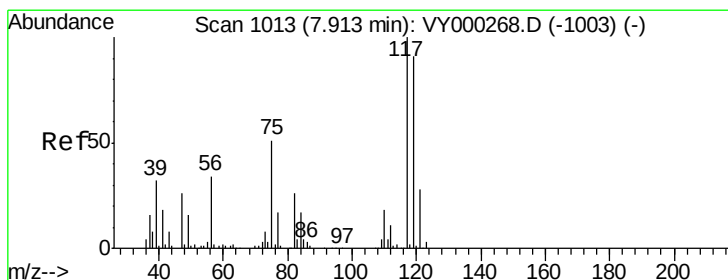
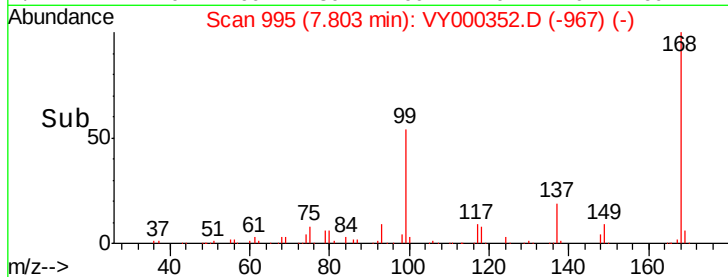
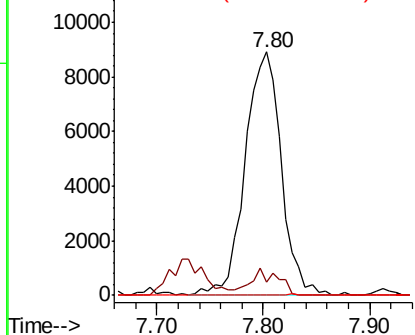
#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000352.D
 Acq: 18 Oct 2019 15:31

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion	75	Resp	21234
Ion Ratio	Lower	Upper	
75	100		
110	8.2	18.4	55.4#
77	0.0	25.0	37.6#

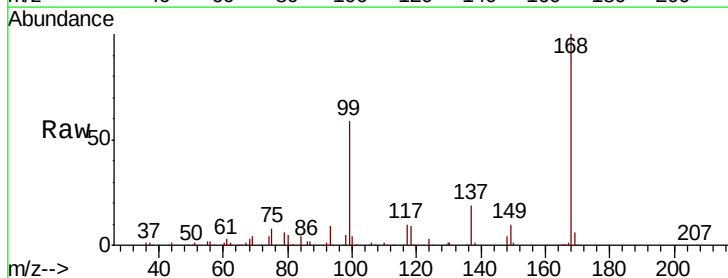


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

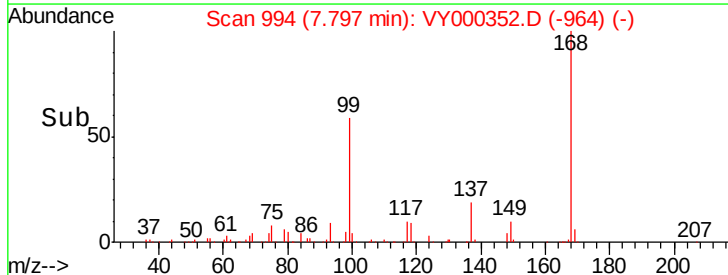
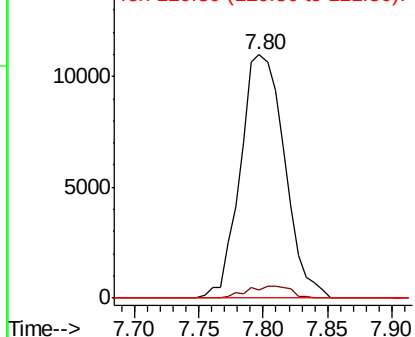


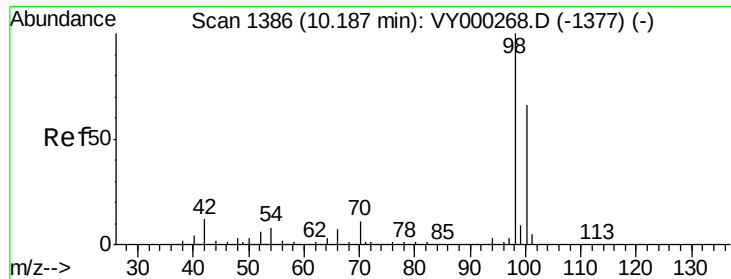
#38
 Carbon Tetrachloride
 Concen: 6.102 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000352.D
 Acq: 18 Oct 2019 15:31

Tgt Ion	117	Resp	26094
Ion Ratio	Lower	Upper	
117	100		
119	3.4	72.8	109.2#
121	0.0	22.2	33.2#



Abundance Ion 116.80 (116.50 to 117.50): VY0
 Ion 118.80 (118.50 to 119.50): VY0
 Ion 120.80 (120.50 to 121.50): VY0





#50

Toluene-d8

Concen: 50.189 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000352.D

Acq: 18 Oct 2019 15:31

Instrument :

MSVOA_Y

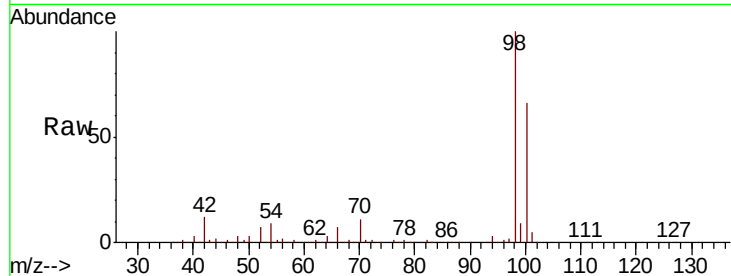
ClientSampleId :

Tot Ion: 98 Resp: 525351

Ion Ratio Lower Upper

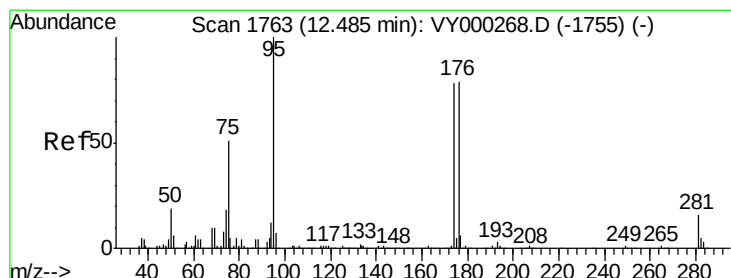
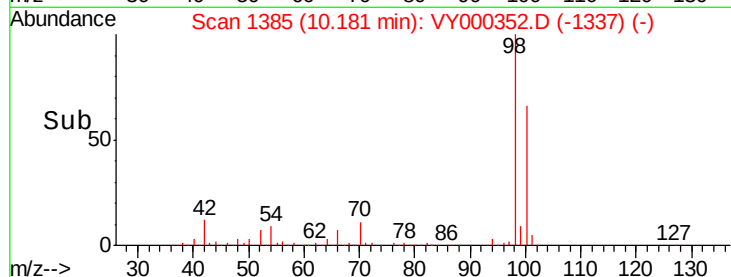
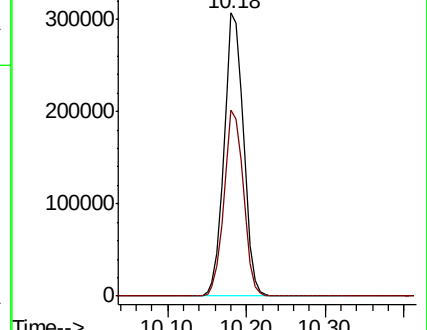
98 100

100 65.7 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#62

4-Bromofluorobenzene

Concen: 42.000 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VY000352.D

Acq: 18 Oct 2019 15:31

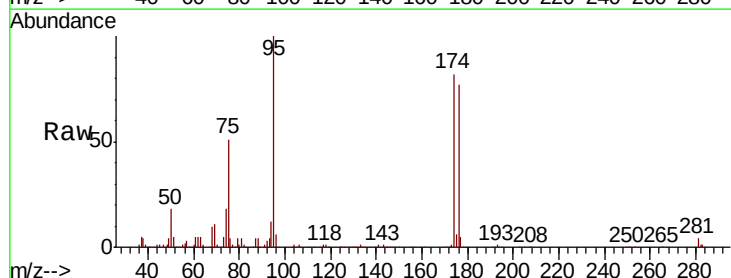
Tgt Ion: 95 Resp: 167020

Ion Ratio Lower Upper

95 100

174 80.8 0.0 159.6

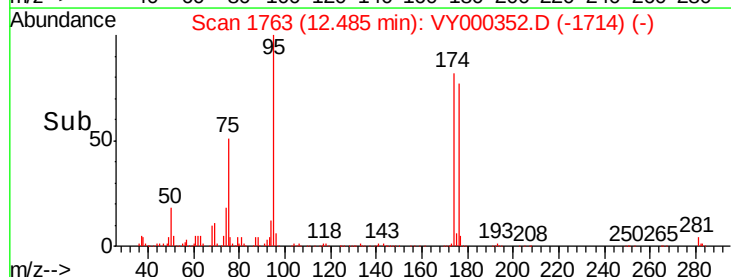
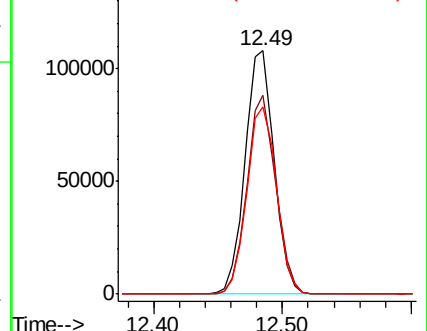
176 78.4 0.0 153.8

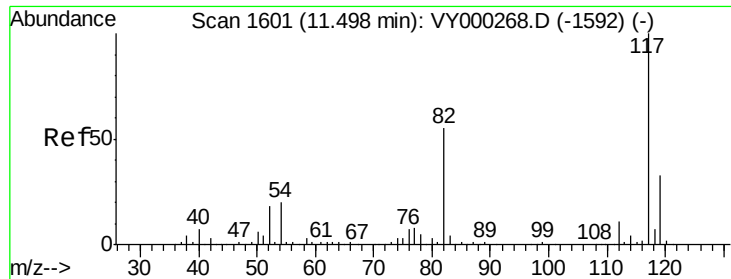


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

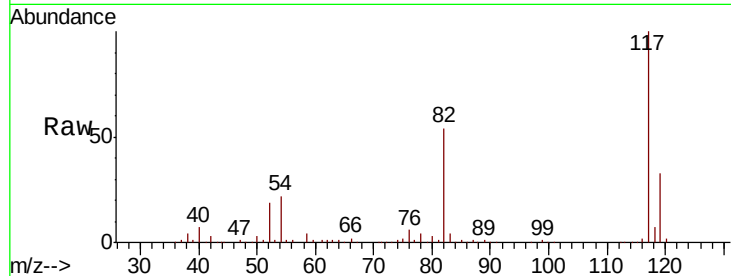




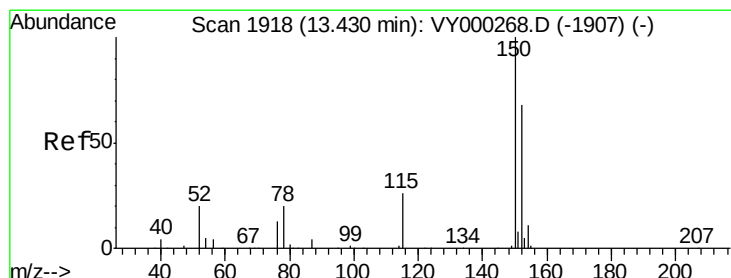
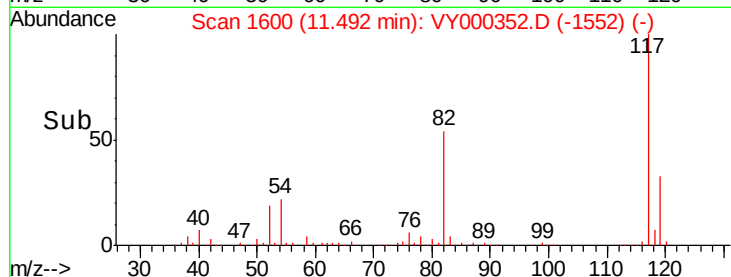
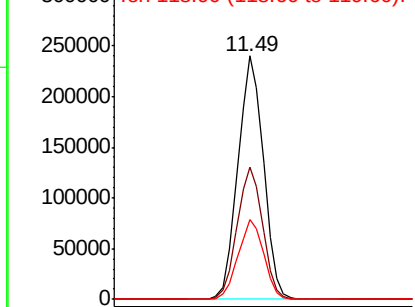
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000352.D
Acq: 18 Oct 2019 15:31

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 381095
Ion Ratio Lower Upper
117 100
82 54.1 43.7 65.5
119 32.7 26.6 39.8

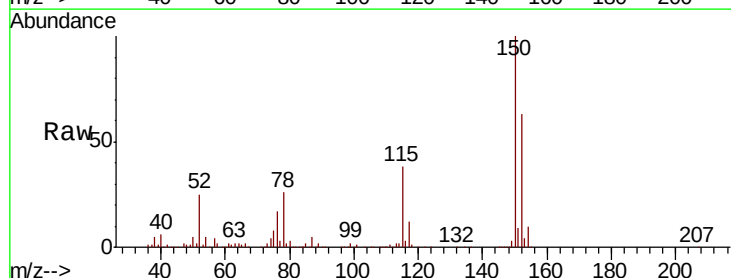


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

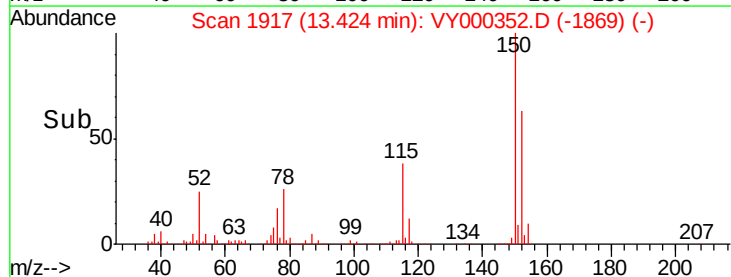
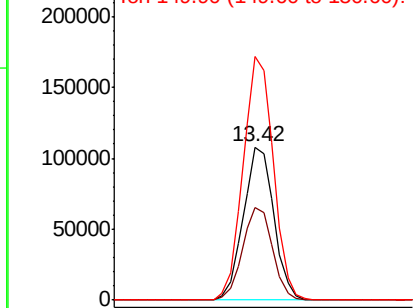


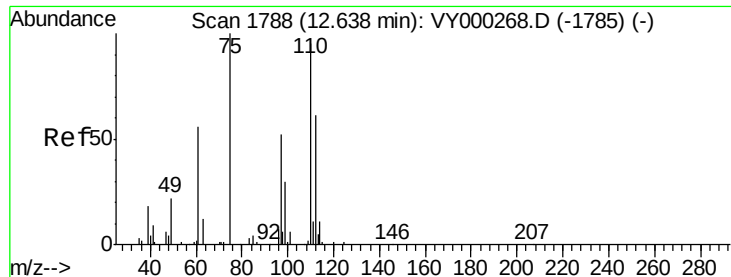
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000352.D
Acq: 18 Oct 2019 15:31

Tgt Ion:152 Resp: 168686
Ion Ratio Lower Upper
152 100
115 59.6 29.3 88.0
150 158.3 0.0 348.4



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

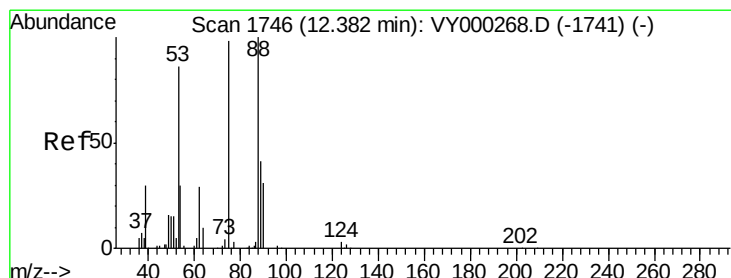
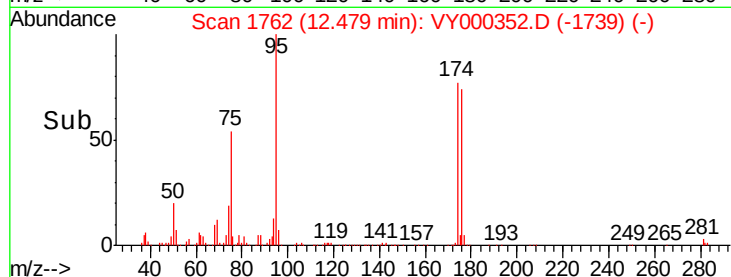
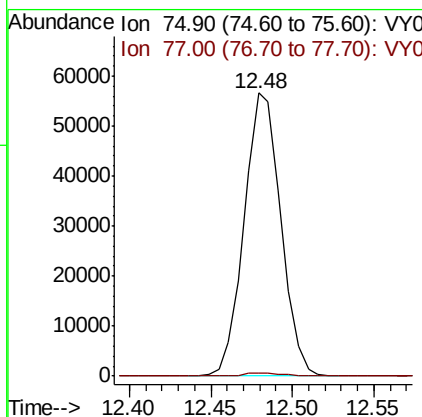
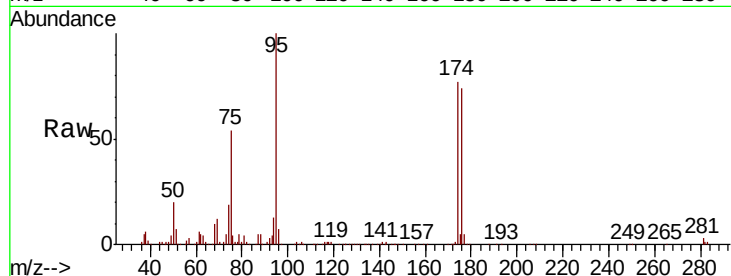




#76
 1,2,3-Trichloropropane
 Concen: 42.621 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY000352.D
 Acq: 18 Oct 2019 15:31

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 88407
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.253 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000352.D
 Acq: 18 Oct 2019 15:31

Tgt Ion: 75 Resp: 88407
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.3 35.1 52.7#

