

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000455.D
 Acq On : 28 Oct 2019 15:24
 Operator : SY/MD
 Sample : K5564-07
 Misc : 5.11G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 10:45:42 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	196027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	333127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	283369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	105342	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	110930	53.65	ug/l	0.00
Spiked Amount			Recovery	=	107.30%	
35) Dibromofluoromethane	7.73	113	99749	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
50) Toluene-d8	10.18	98	386026	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.48	95	114006	38.82	ug/l	0.00
Spiked Amount			Recovery	=	77.64%	

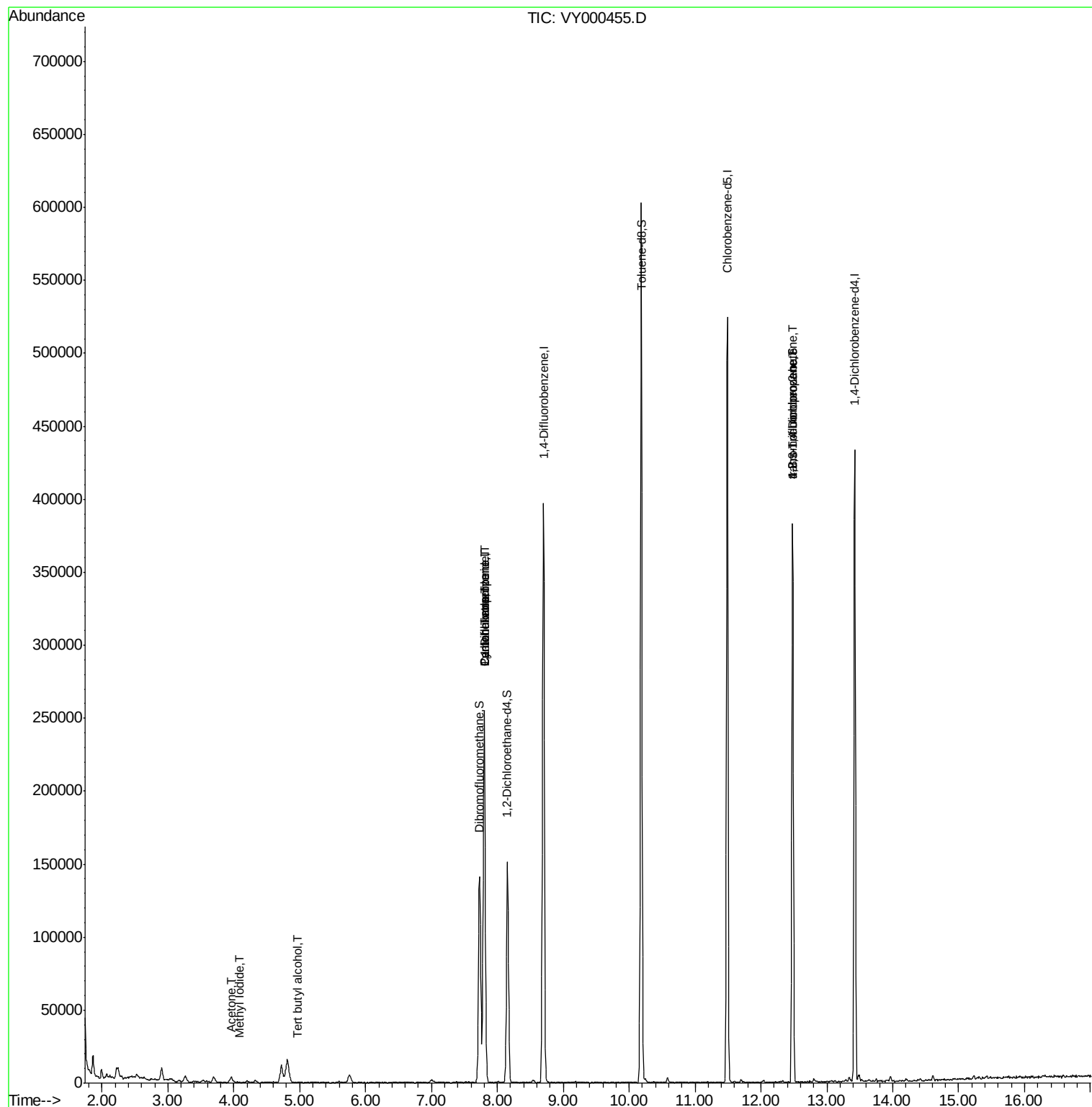
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	43	Below Cal	#	41
10) Methyl Iodide	4.08	142	78	1.213	ug/l #	84
11) Tert butyl alcohol	4.97	59	454	2.098	ug/l #	73
16) Acetone	3.96	43	6301	9.410	ug/l	92
20) Methylene Chloride	4.72	84	8337	Below Cal		87
31) Cyclohexane	7.80	56	4681	1.183	ug/l #	44
36) 1,1-Dichloropropene	7.80	75	14881	4.563	ug/l #	48
38) Carbon Tetrachloride	7.80	117	17881	5.662	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	60435	46.655	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	60435	102.080	ug/l #	14

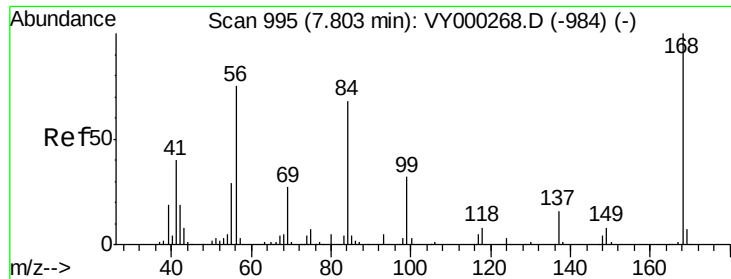
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000455.D

Acq: 28 Oct 2019 15:24

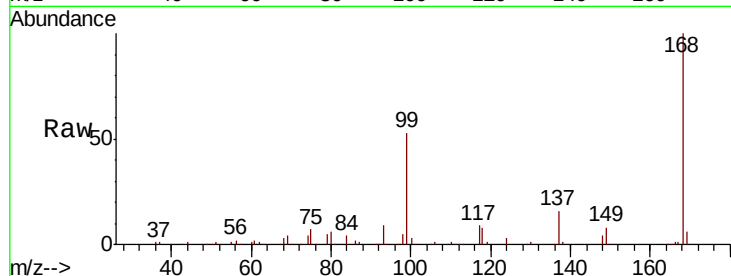
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 196027

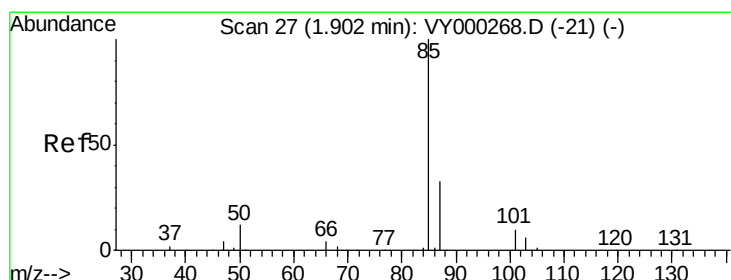
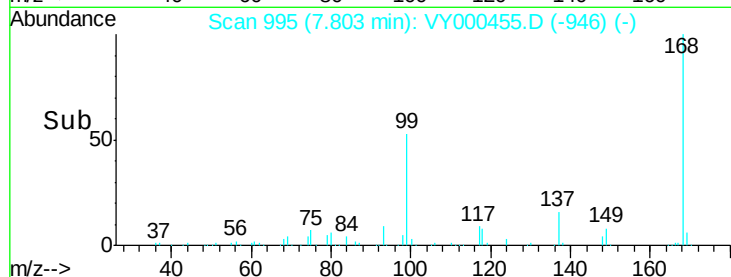
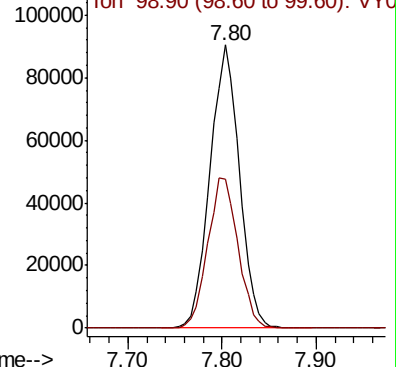
Ion Ratio Lower Upper

168 100

99 52.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000455.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.92 min Scan# 30

Delta R.T. 0.02 min

Lab File: VY000455.D

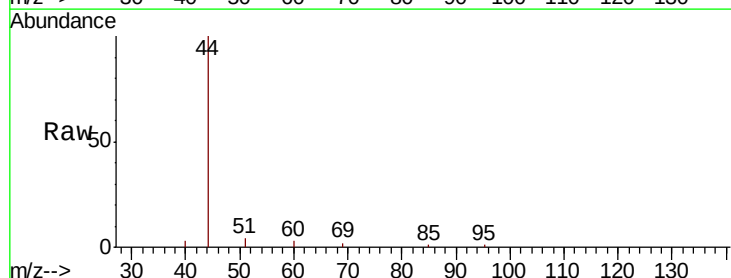
Acq: 28 Oct 2019 15:24

Tgt Ion: 85 Resp: 43

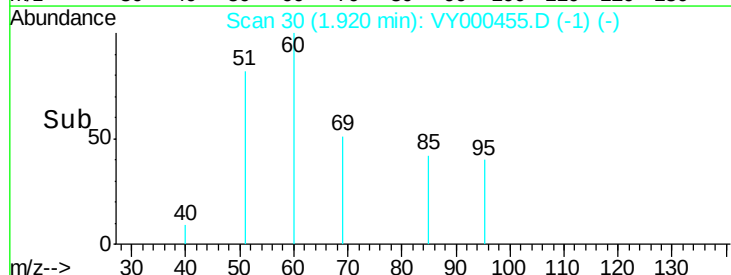
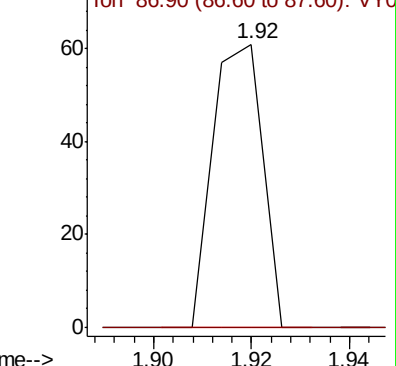
Ion Ratio Lower Upper

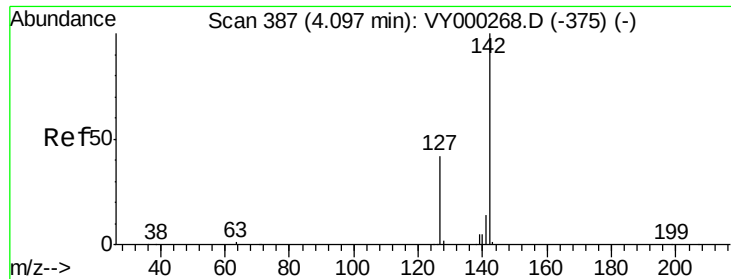
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000455.D (-1) (-)

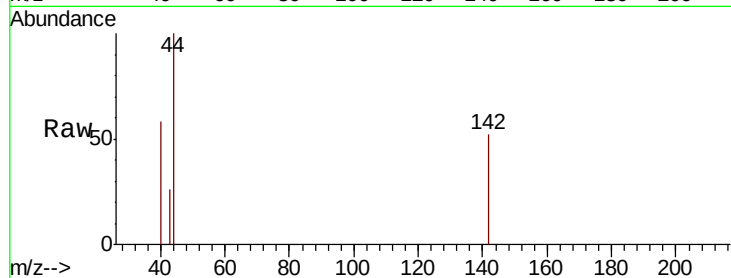




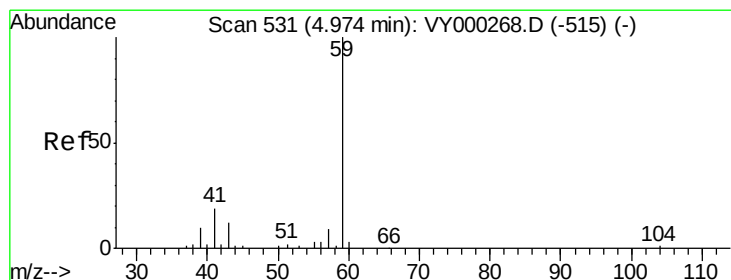
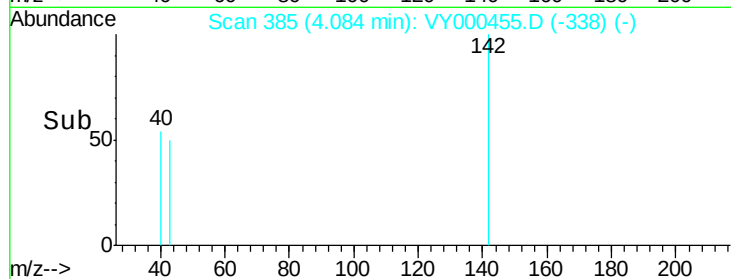
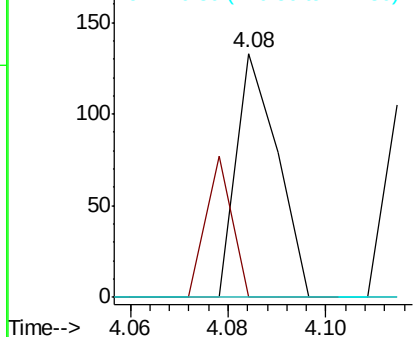
#10
Methvl Iodide
Concen: 1.213 ug/l
RT: 4.08 min Scan# 385
Delta R.T. -0.01 min
Lab File: VY000455.D
Acq: 28 Oct 2019 15:24

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
127 35.9 33.9 50.9
141 0.0 11.2 16.8#

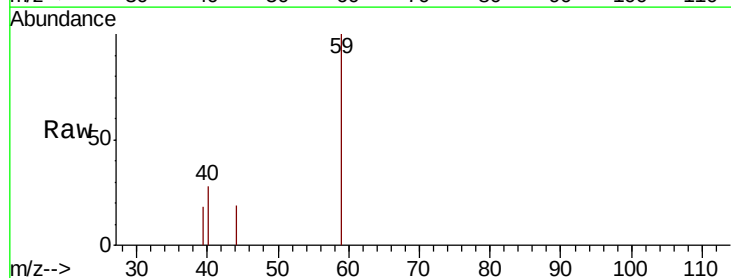


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

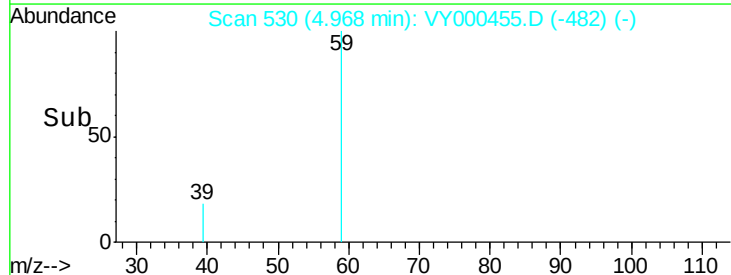
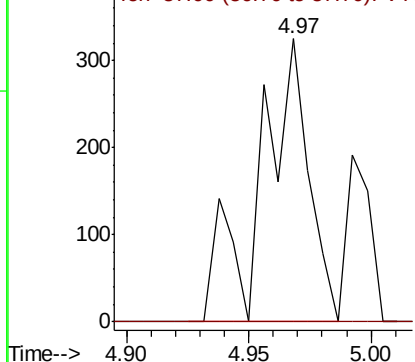


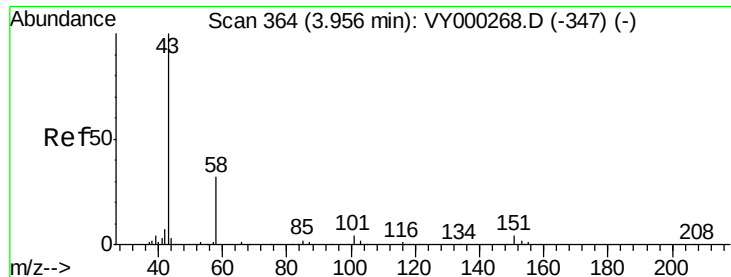
#11
Tert butyl alcohol
Concen: 2.098 ug/l
RT: 4.97 min Scan# 530
Delta R.T. -0.01 min
Lab File: VY000455.D
Acq: 28 Oct 2019 15:24

Tgt Ion: 59 Resp: 454
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 9.410 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000455.D

Acq: 28 Oct 2019 15:24

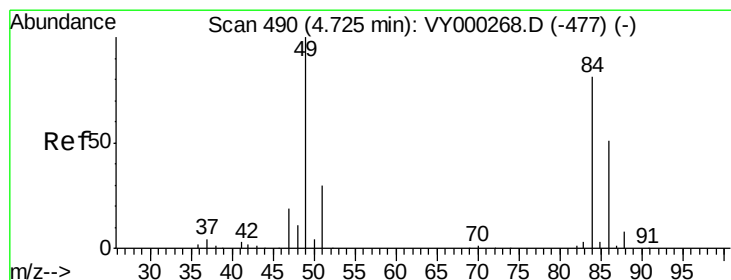
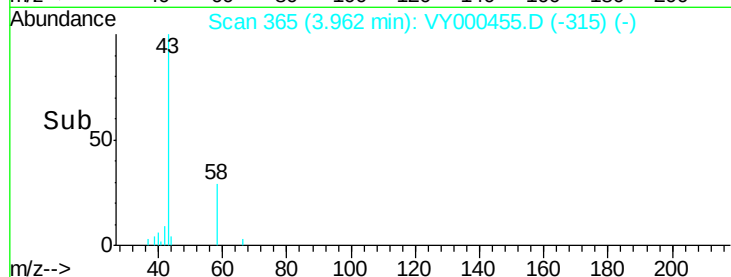
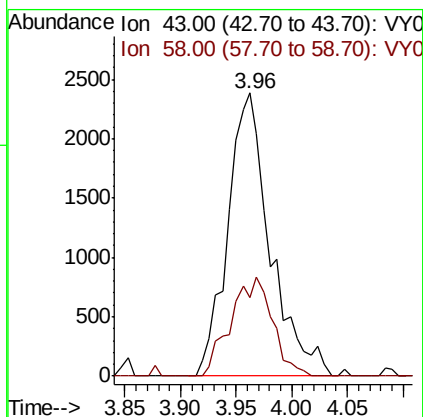
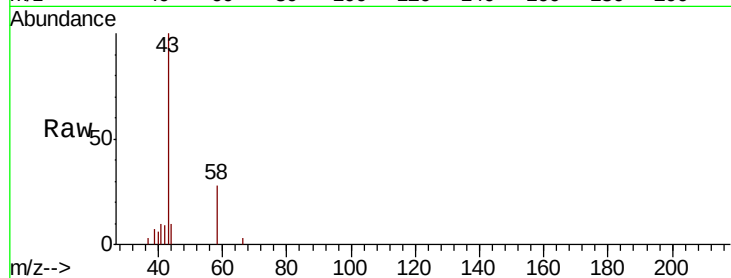
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 6301

Ion Ratio Lower Upper

43 100

58 27.8 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY000455.D

Acq: 28 Oct 2019 15:24

Tgt Ion: 84 Resp: 8337

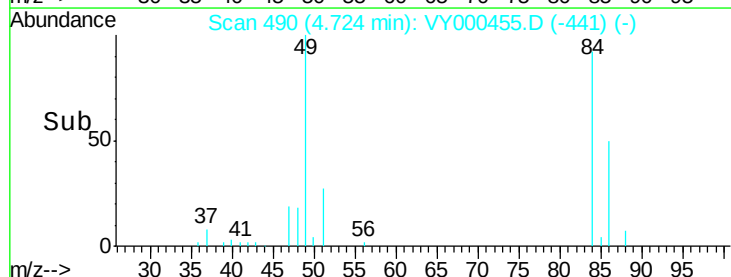
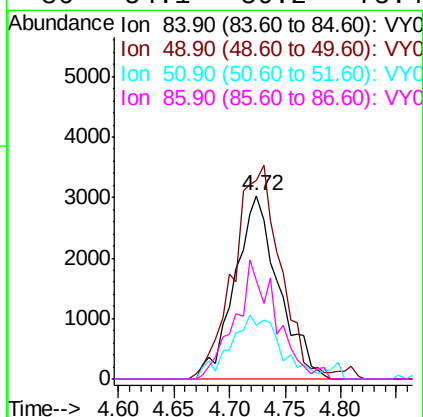
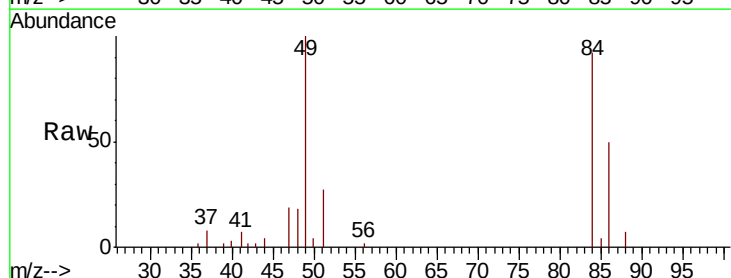
Ion Ratio Lower Upper

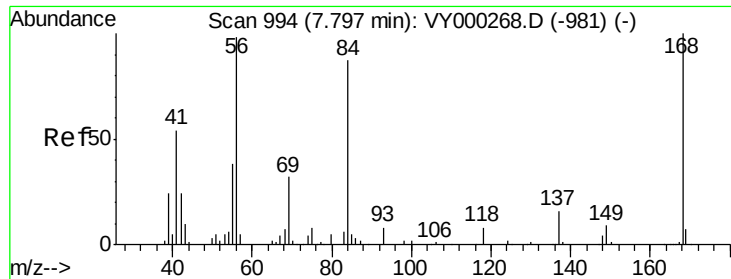
84 100

49 108.6 99.0 148.4

51 29.4 29.3 43.9

86 54.1 50.2 75.4

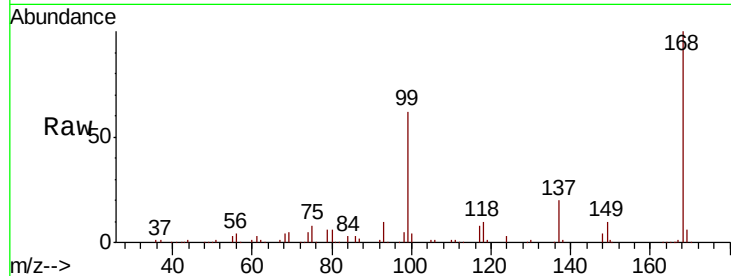




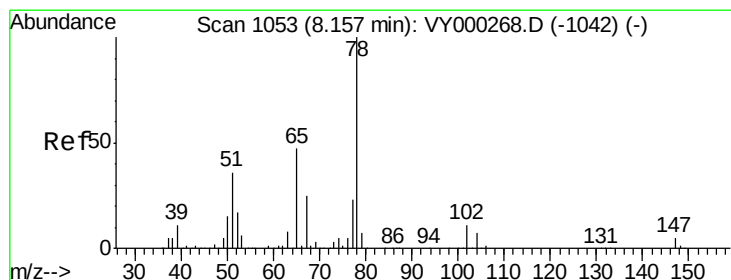
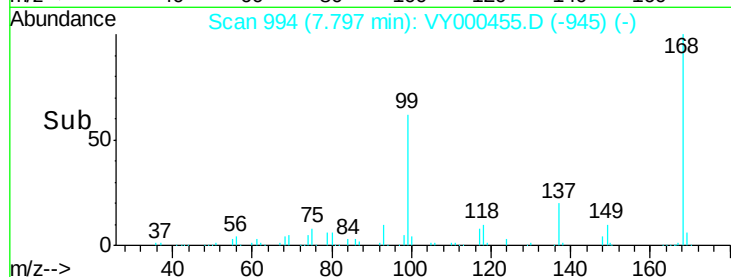
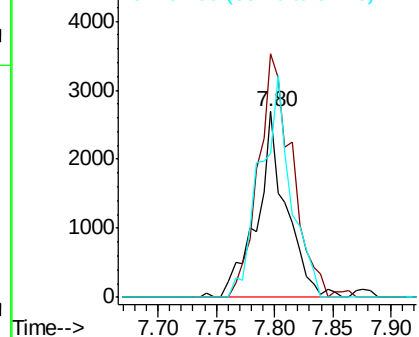
#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000455.D
Acq: 28 Oct 2019 15:24

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4681
Ion Ratio Lower Upper
56 100
69 131.2 26.3 39.5#
84 77.4 70.8 106.2

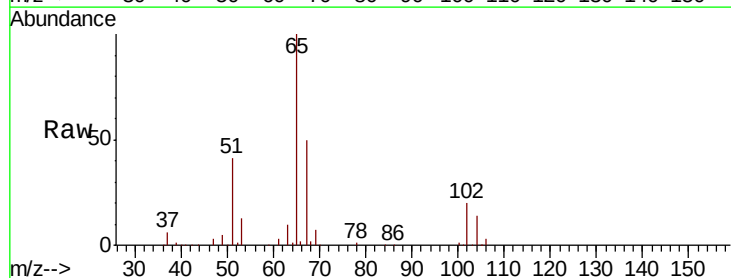


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

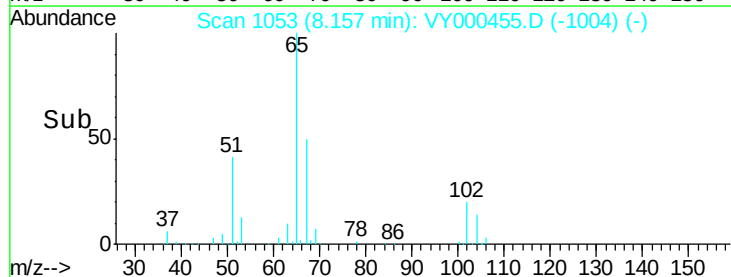
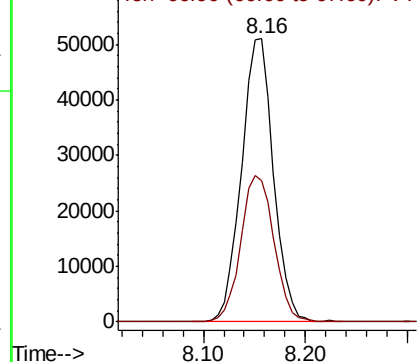


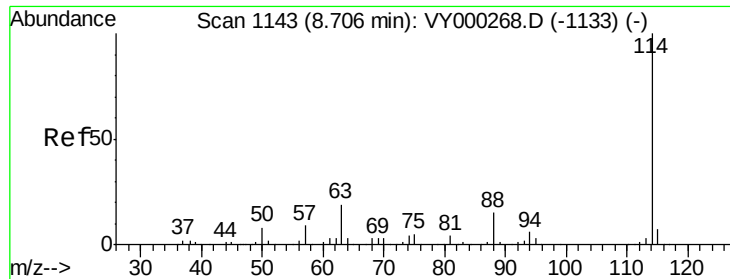
#33
1,2-Dichloroethane-d4
Concen: 53.647 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY000455.D
Acq: 28 Oct 2019 15:24

Tgt Ion: 65 Resp: 110930
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

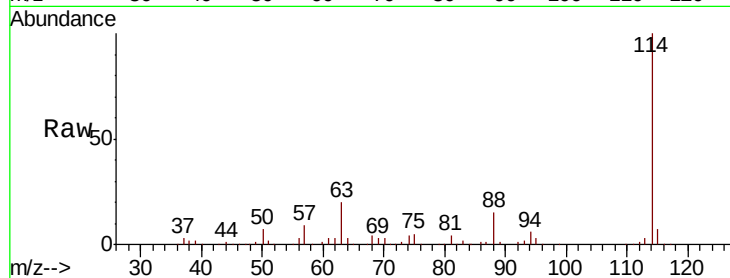




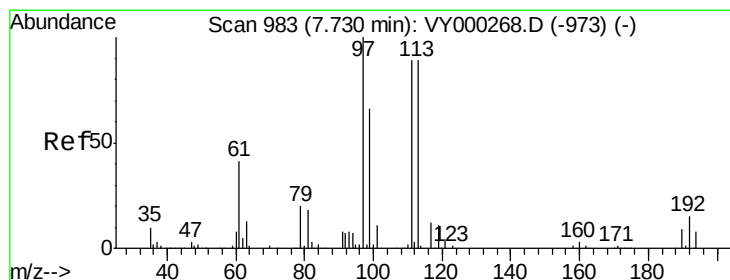
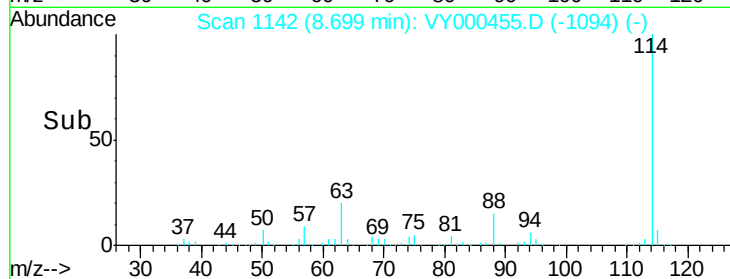
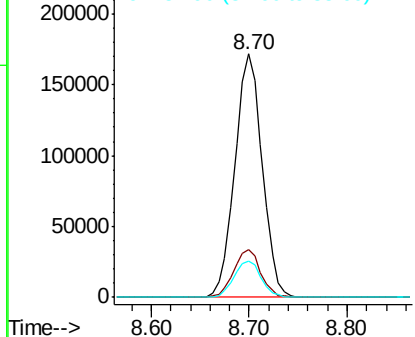
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000455.D
 Acq: 28 Oct 2019 15:24

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 333127
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.2
 88 14.7 0.0 30.2

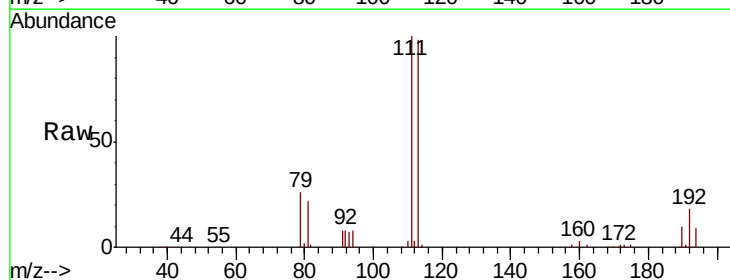


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

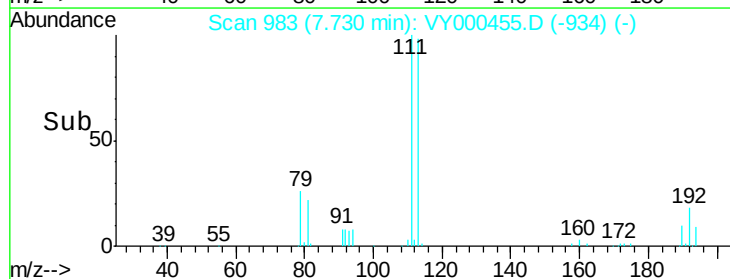
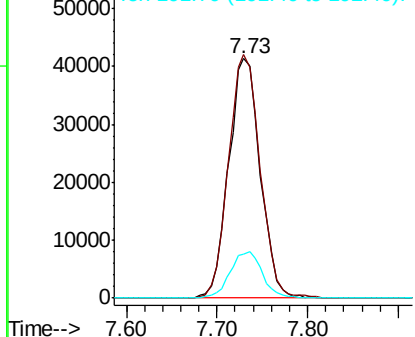


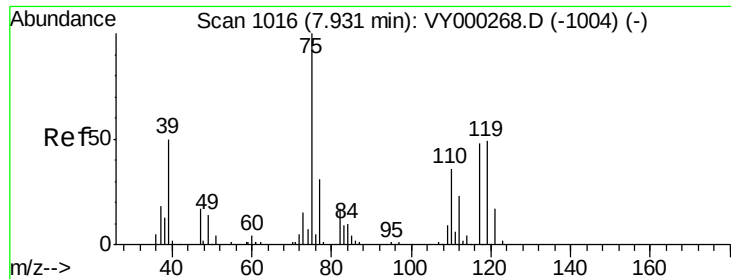
#35
 Dibromofluoromethane
 Concen: 49.640 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000455.D
 Acq: 28 Oct 2019 15:24

Tgt Ion:113 Resp: 99749
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.6 122.4
 192 19.7 15.3 22.9



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

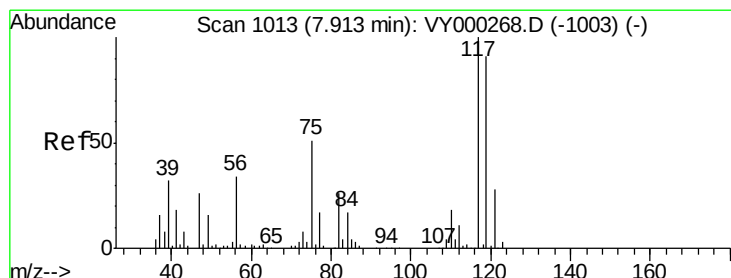
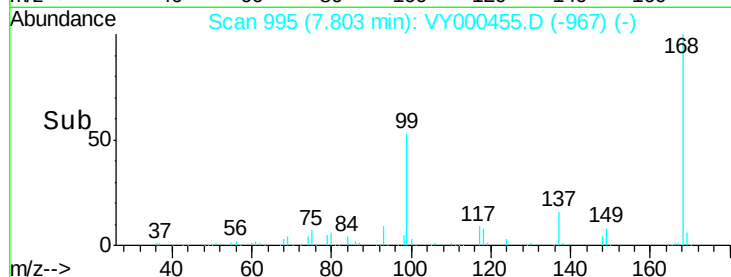
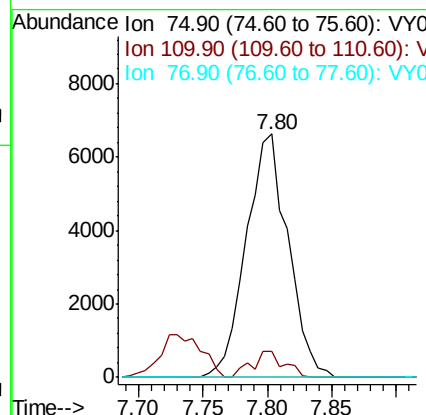
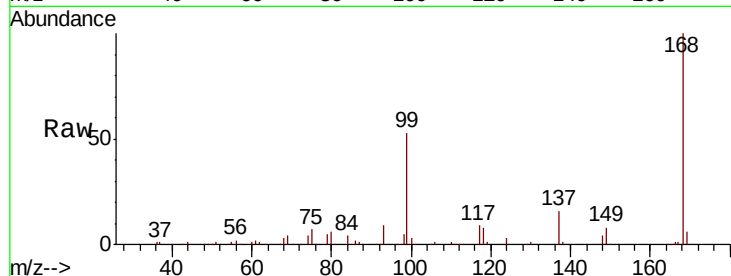




#36
 1,1-Dichloropropene
 Concen: 4.563 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000455.D
 Acq: 28 Oct 2019 15:24

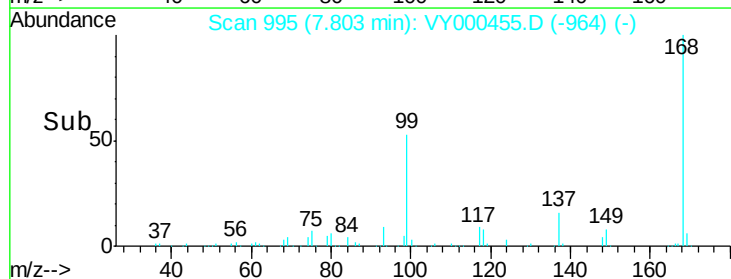
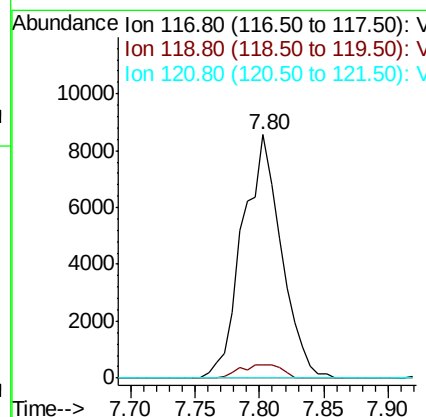
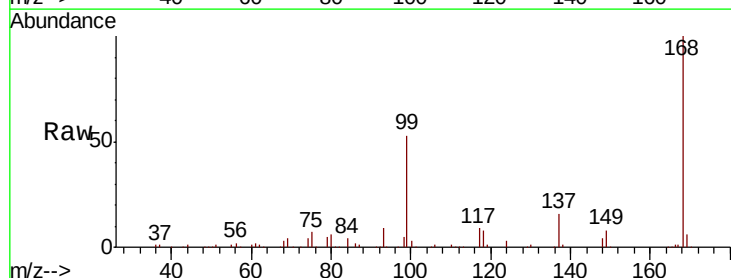
Instrument :
 MSVOA_Y
 ClientSampled :

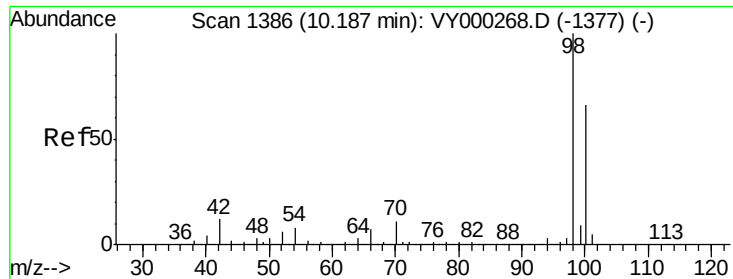
Tot Ion	75	Resp	14881
Ion Ratio	Lower	Upper	
75	100		
110	8.1	18.4	55.4#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.662 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000455.D
 Acq: 28 Oct 2019 15:24

Tgt Ion	117	Resp	17881
Ion Ratio	Lower	Upper	
117	100		
119	5.6	72.8	109.2#
121	0.0	22.2	33.2#





#50

Toluene-d8

Concen: 49.940 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000455.D

Acq: 28 Oct 2019 15:24

Instrument :

MSVOA_Y

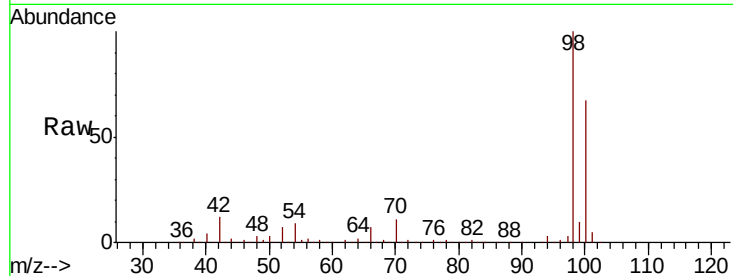
ClientSampled :

Tot Ion: 98 Resp: 386026

Ion Ratio Lower Upper

98 100

100 66.9 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

200000

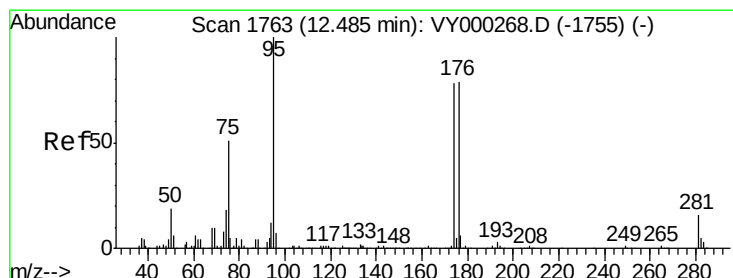
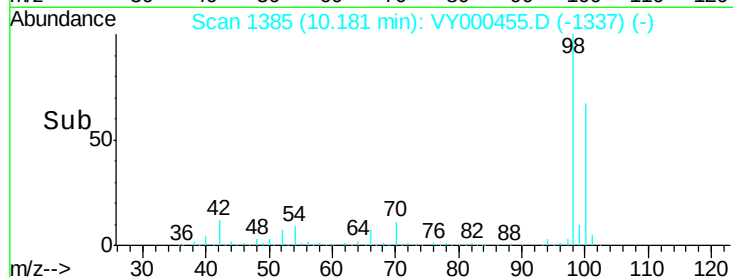
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 38.822 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000455.D

Acq: 28 Oct 2019 15:24

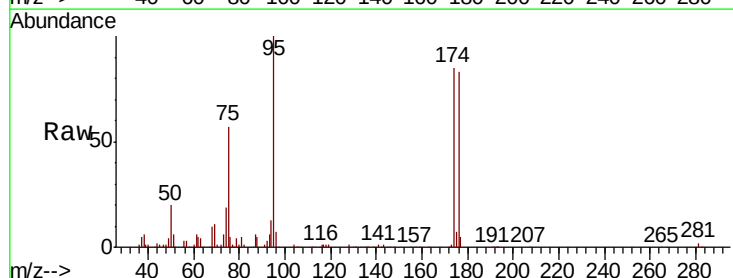
Tgt Ion: 95 Resp: 114006

Ion Ratio Lower Upper

95 100

174 83.6 0.0 159.6

176 80.3 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

12.48

100000

80000

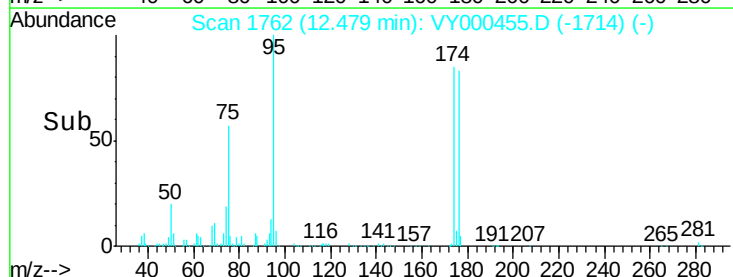
60000

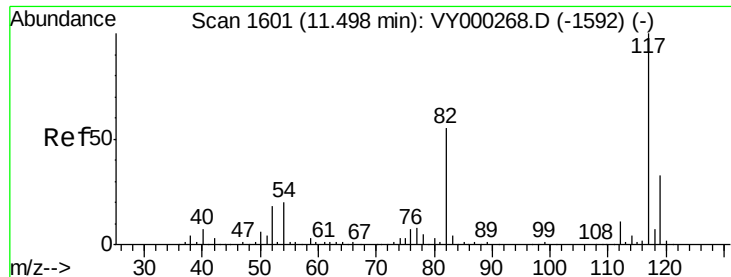
40000

20000

0

Time-->

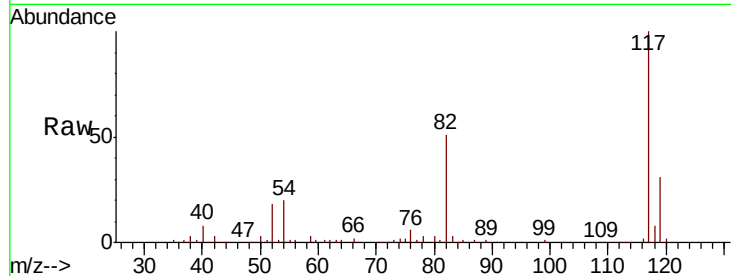




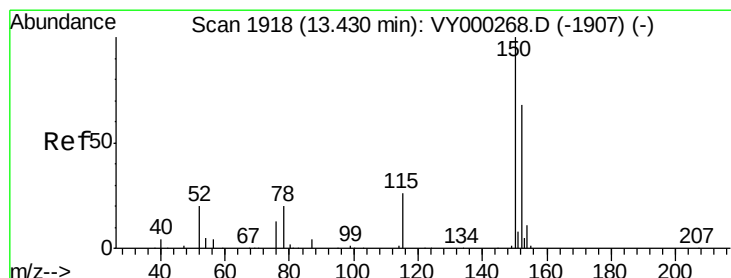
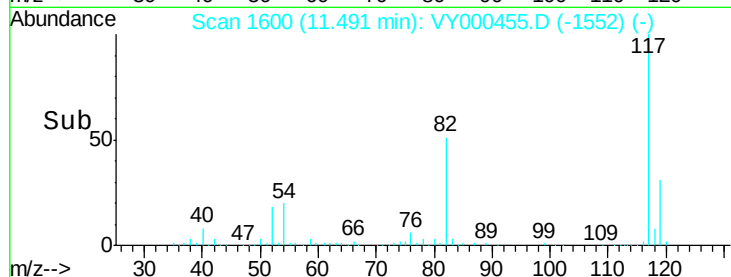
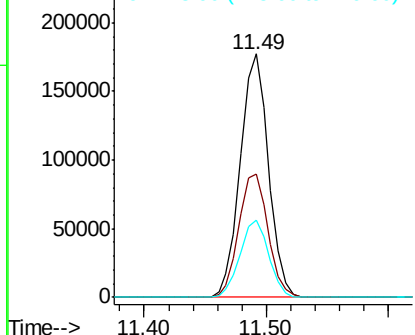
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VY000455.D
 Acq: 28 Oct 2019 15:24

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:117 Resp: 283369
 Ion Ratio Lower Upper
 117 100
 82 50.6 43.7 65.5
 119 31.5 26.6 39.8

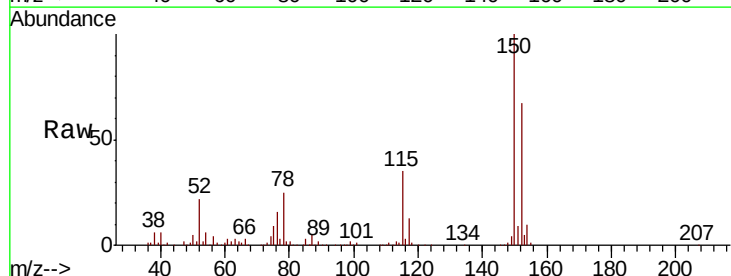


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): VY0
 Ion 118.90 (118.60 to 119.60): V

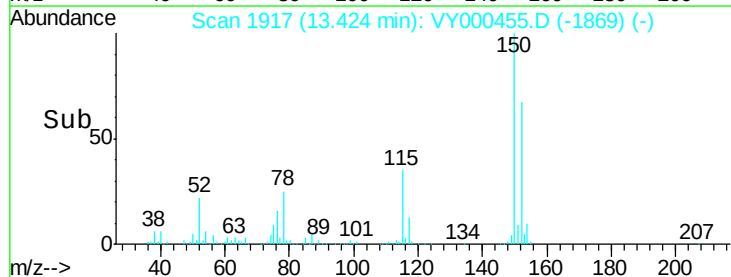
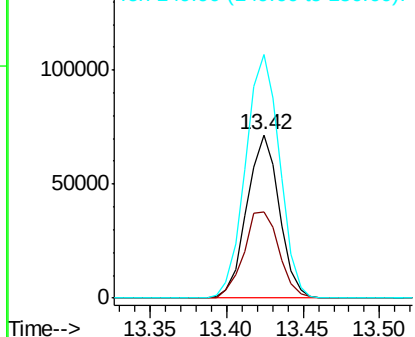


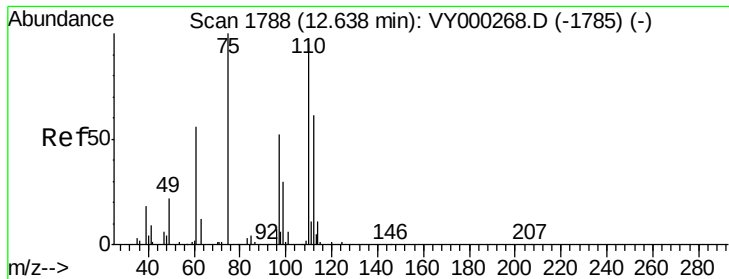
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.42 min Scan# 1917
 Delta R.T. -0.01 min
 Lab File: VY000455.D
 Acq: 28 Oct 2019 15:24

Tgt Ion:152 Resp: 105342
 Ion Ratio Lower Upper
 152 100
 115 57.4 29.3 88.0
 150 157.4 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: 46.655 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000455.D

Acq: 28 Oct 2019 15:24

Instrument :

MSVOA_Y

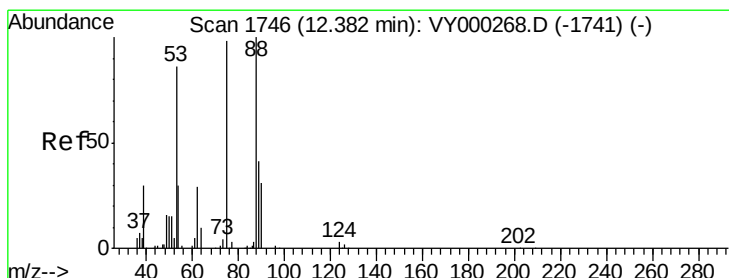
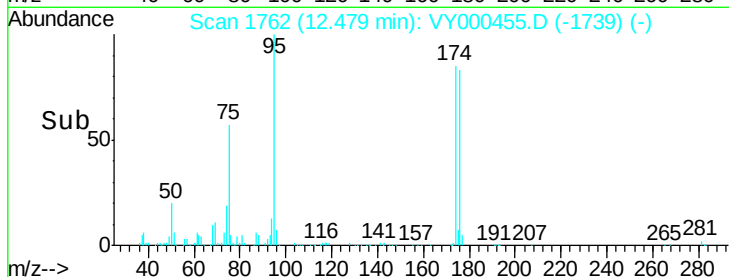
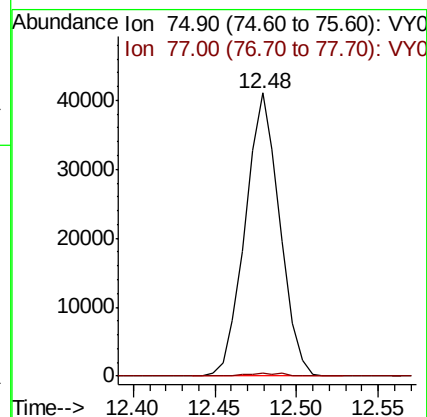
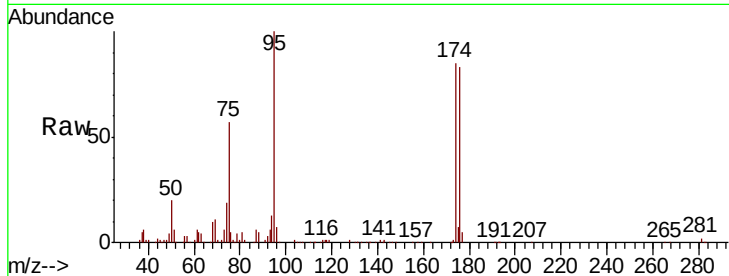
ClientSampleId :

Tot Ion: 75 Resp: 60435

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.080 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000455.D

Acq: 28 Oct 2019 15:24

Tgt Ion: 75 Resp: 60435

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 35.1 52.7#

