

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102519\
 Data File : VY000444.D
 Acq On : 25 Oct 2019 21:06
 Operator : SY/MD
 Sample : K5540-16
 Misc : 4.82G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 26 01:48:08 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	181287	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	303286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	262218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	106763	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	104085	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	
35) Dibromofluoromethane	7.74	113	91617	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.19	98	355986	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
62) 4-Bromofluorobenzene	12.48	95	107057	40.04	ug/l	0.00
Spiked Amount			Recovery	=	80.08%	

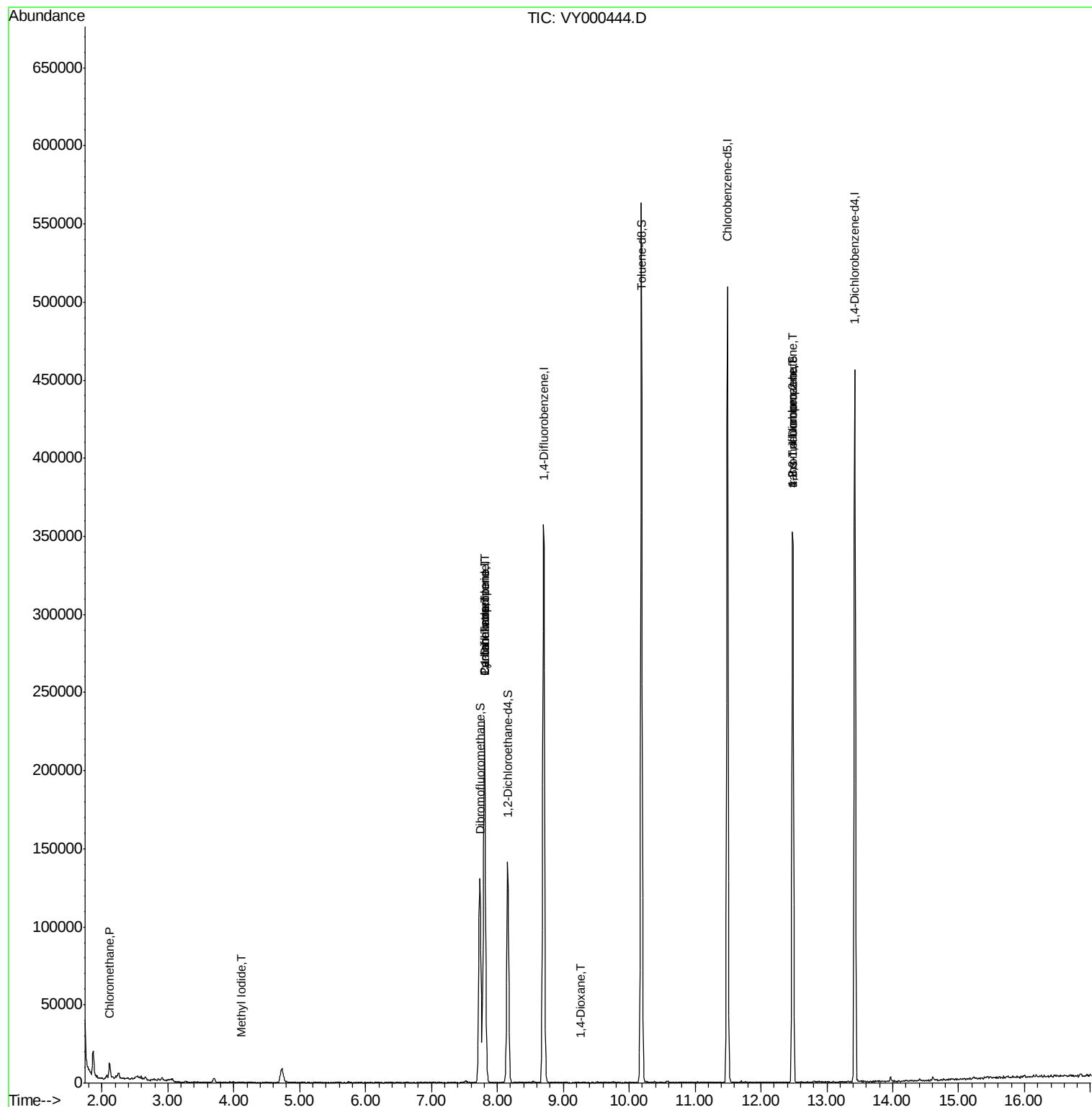
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	132	Below Cal	#	41
3) Chloromethane	2.11	50	9537	4.305	ug/l	98
10) Methyl Iodide	4.11	142	402	1.334	ug/l #	41
20) Methylene Chloride	4.73	84	6550	Below Cal	#	82
31) Cyclohexane	7.80	56	4170	1.140	ug/l #	8
36) 1,1-Dichloropropene	7.80	75	13895	4.679	ug/l #	47
38) Carbon Tetrachloride	7.80	117	17100	5.948	ug/l #	20
49) 1,4-Dioxane	9.26	88	46	2.606	ug/l #	24
76) 1,2,3-Trichloropropane	12.48	75	58021	44.196	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	58021	96.698	ug/l #	14

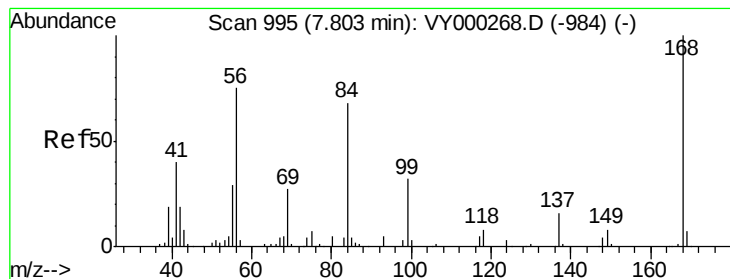
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000444.D

Acq: 25 Oct 2019 21:06

Instrument :

MSVOA_Y

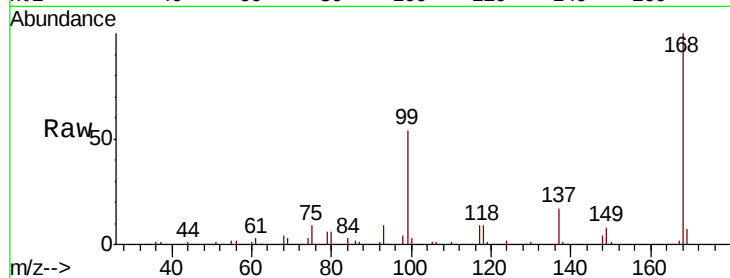
ClientSampled :

Tot Ion:168 Resp: 181287

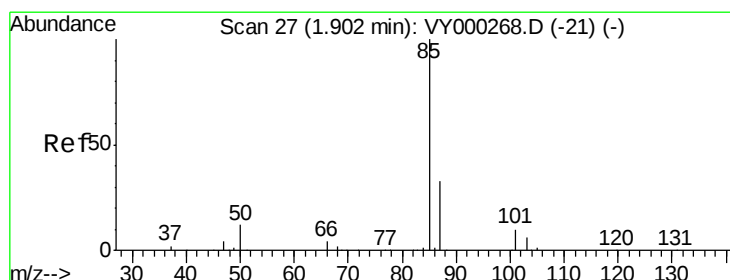
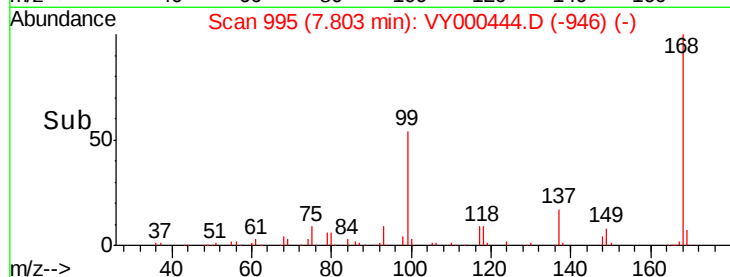
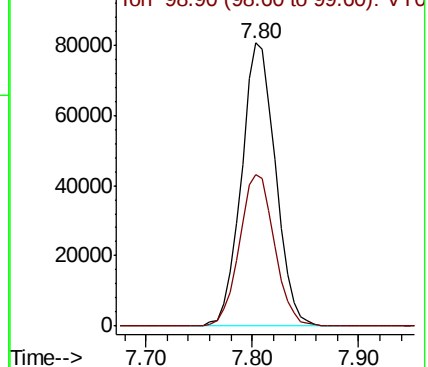
Ion Ratio Lower Upper

168 100

99 53.6 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000444.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000444.D

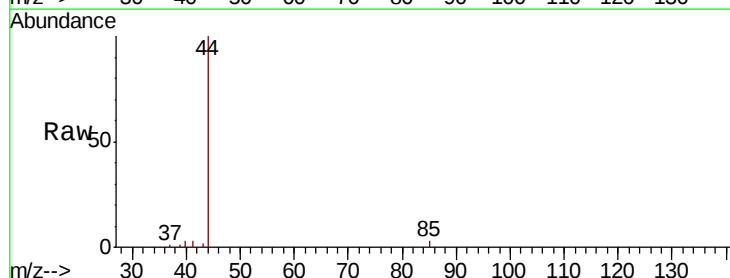
Acq: 25 Oct 2019 21:06

Tgt Ion: 85 Resp: 132

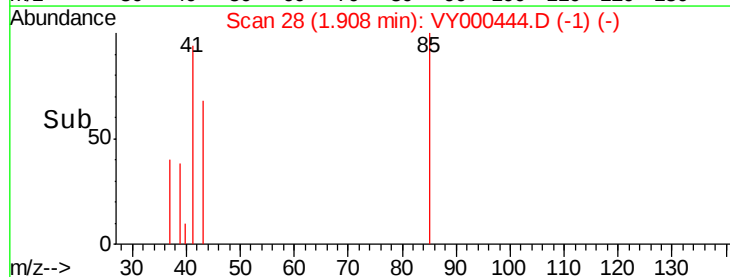
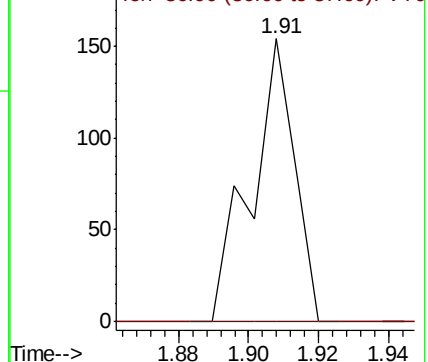
Ion Ratio Lower Upper

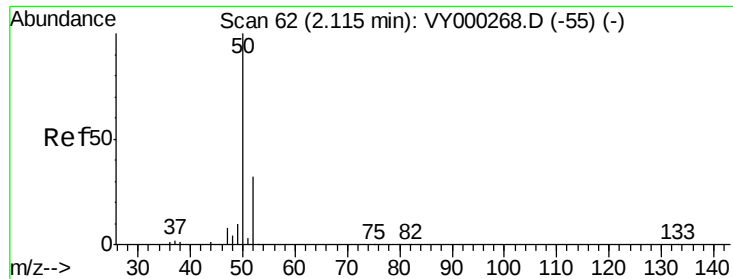
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000444.D (-1) (-)





#3

Chloromethane

Concen: 4.305 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000444.D

Acq: 25 Oct 2019 21:06

Instrument :

MSVOA_Y

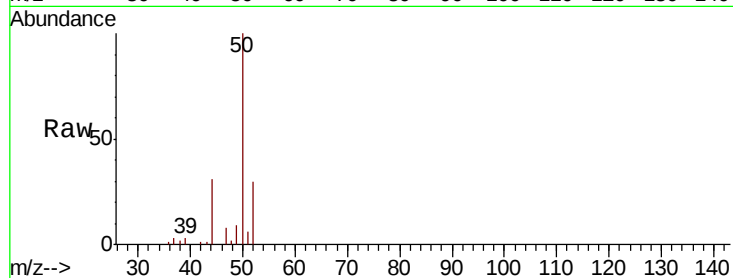
ClientSampleId :

Tot Ion: 50 Resp: 9537

Ion Ratio Lower Upper

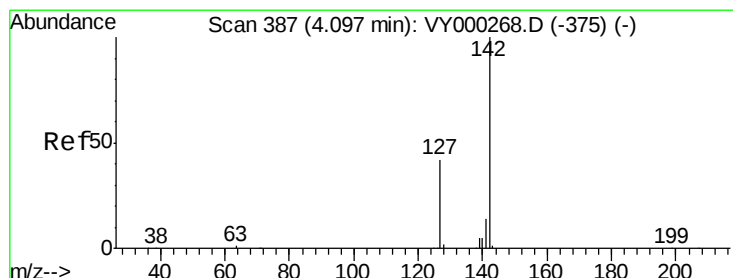
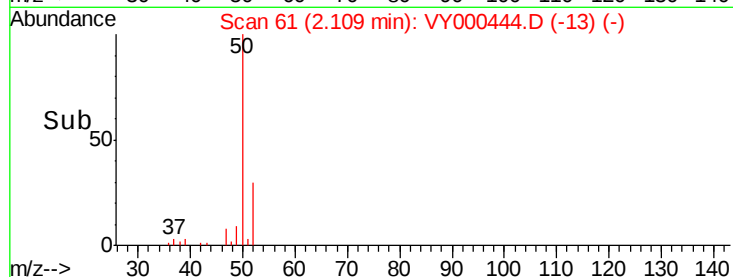
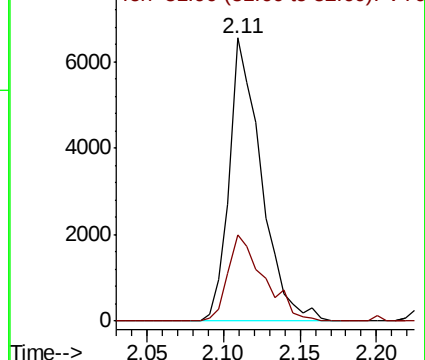
50 100

52 30.3 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#10

Methyl Iodide

Concen: 1.334 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000444.D

Acq: 25 Oct 2019 21:06

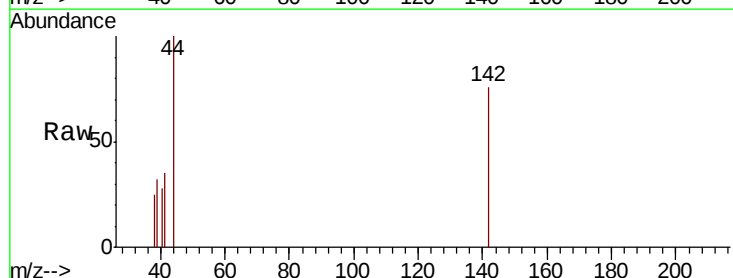
Tgt Ion: 142 Resp: 402

Ion Ratio Lower Upper

142 100

127 0.0 33.9 50.9#

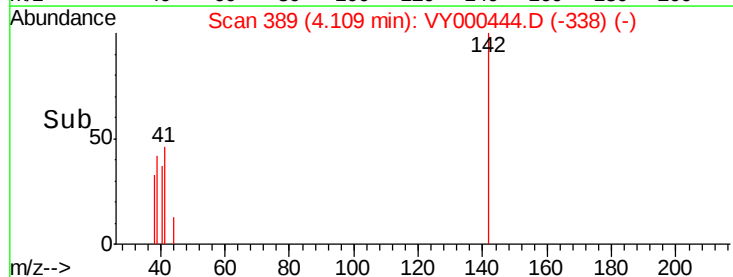
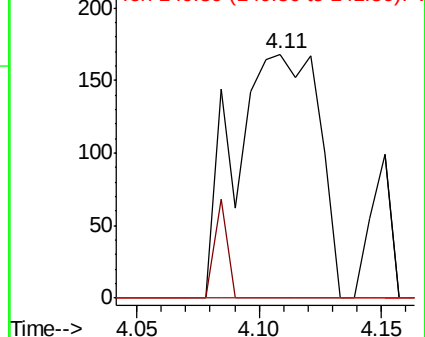
141 0.0 11.2 16.8#

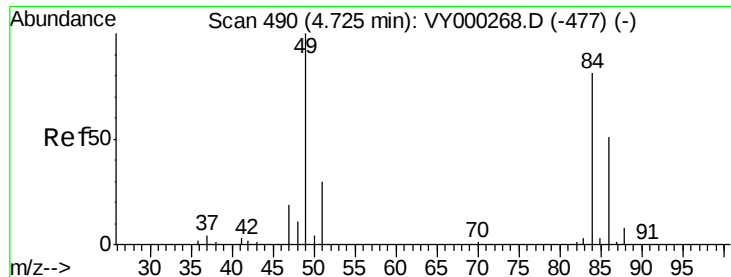


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

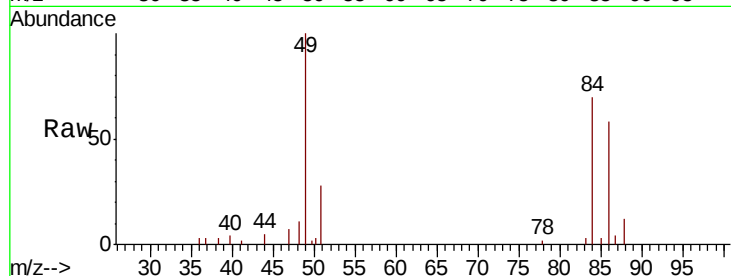




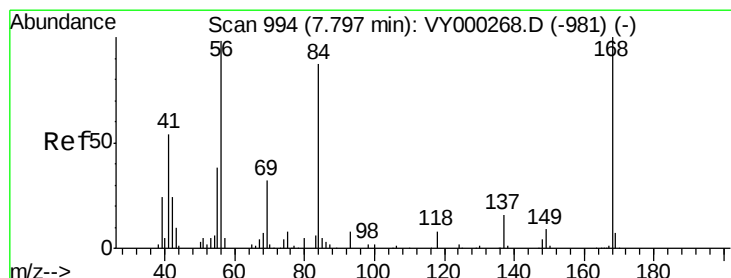
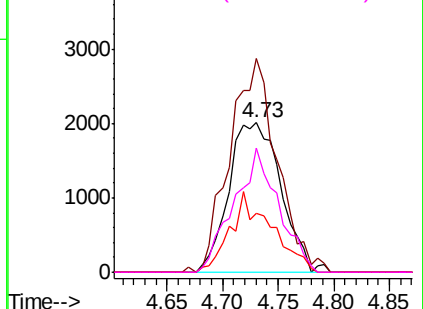
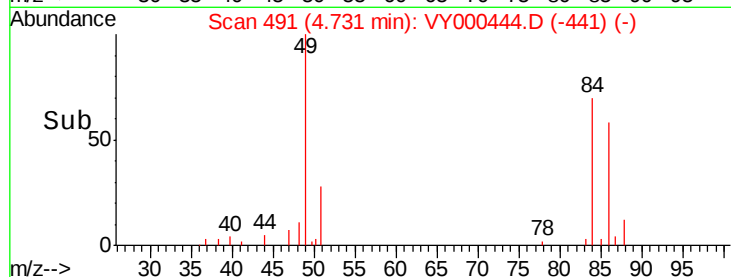
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000444.D
Acq: 25 Oct 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 6550
Ion Ratio Lower Upper
84 100
49 143.1 99.0 148.4
51 39.4 29.3 43.9
86 83.2 50.2 75.4#

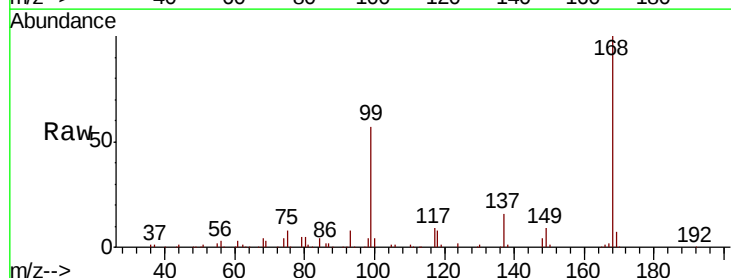


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

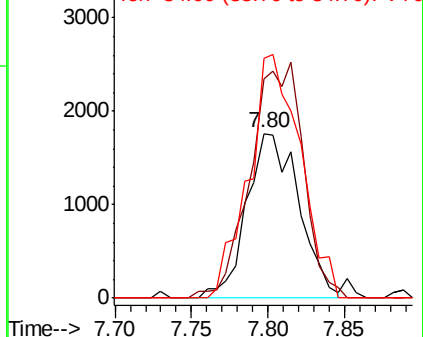
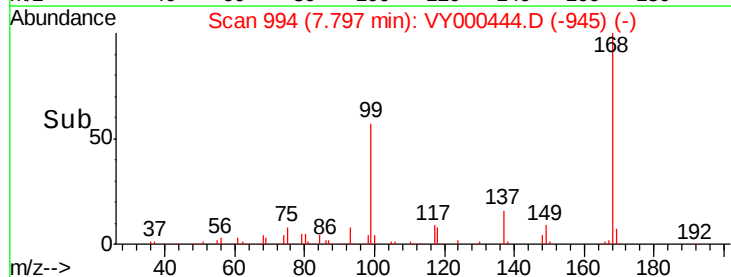


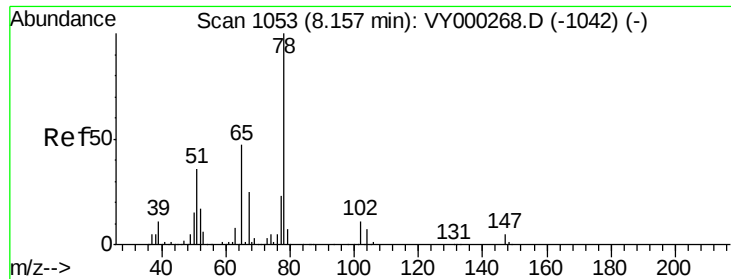
#31
Cyclohexane
Concen: 1.140 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000444.D
Acq: 25 Oct 2019 21:06

Tgt Ion: 56 Resp: 4170
Ion Ratio Lower Upper
56 100
69 132.9 26.3 39.5#
84 145.4 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

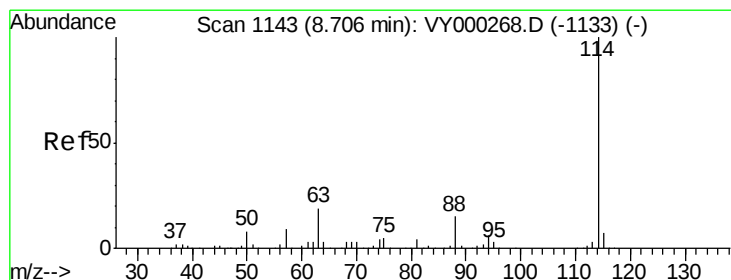
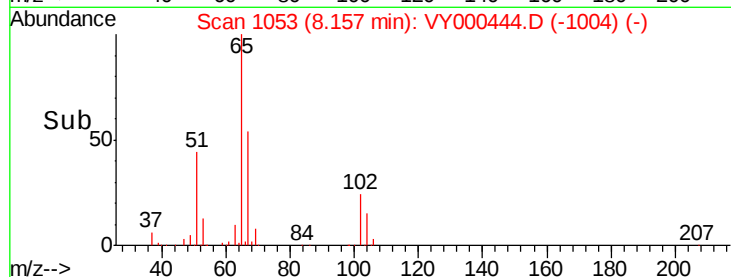
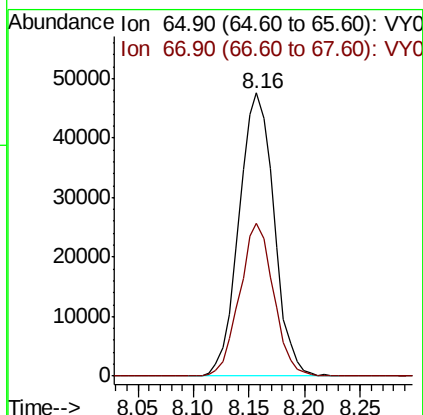
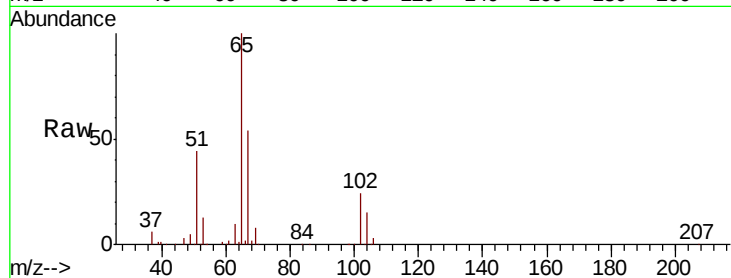




#33
 1,2-Dichloroethane-d4
 Concen: 54.429 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000444.D
 Acq: 25 Oct 2019 21:06

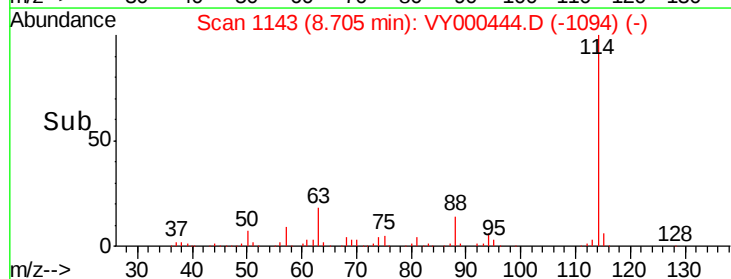
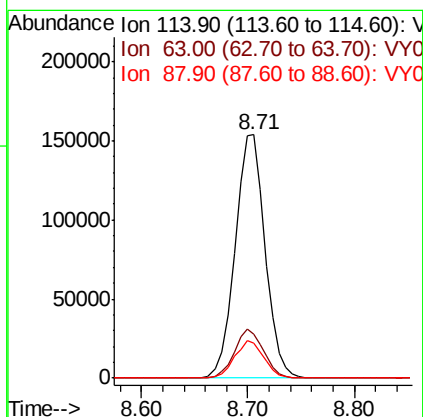
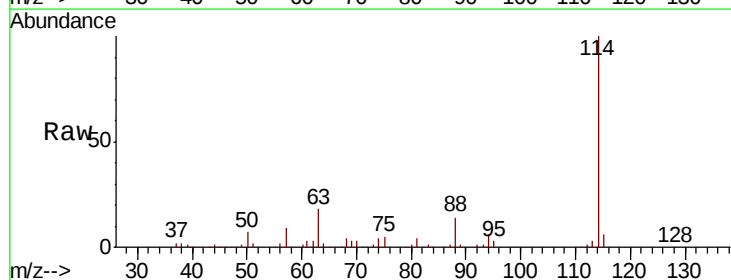
Instrument :
 MSVOA_Y
 ClientSampled :

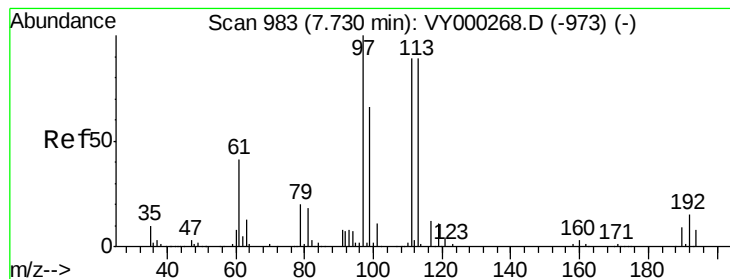
Tot Ion: 65 Resp: 104085
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VY000444.D
 Acq: 25 Oct 2019 21:06

Tgt Ion: 114 Resp: 303286
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 37.2
 88 14.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.079 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000444.D

Acq: 25 Oct 2019 21:06

Instrument :
MSVOA_Y
ClientSampled :

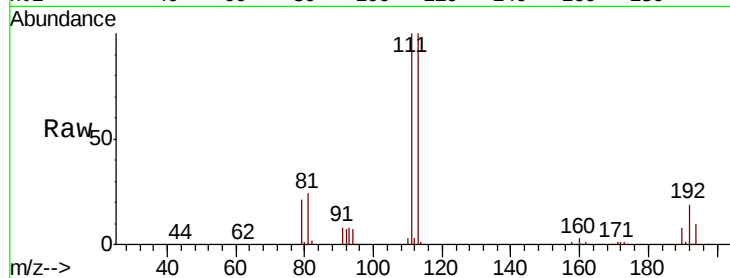
Tot Ion:113 Resp: 91617

Ion Ratio Lower Upper

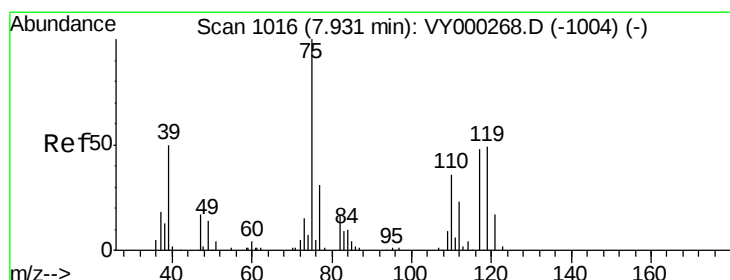
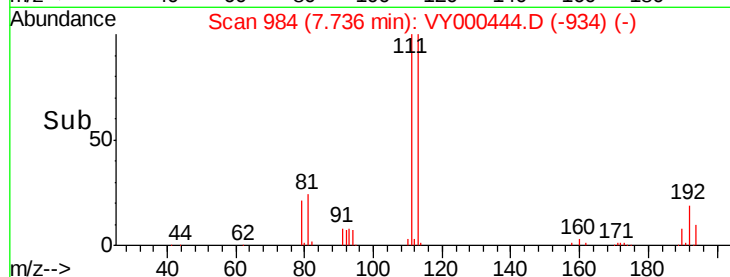
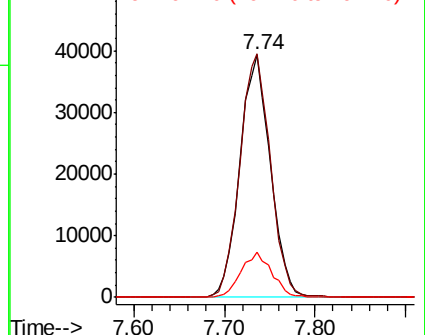
113 100

111 100.6 81.6 122.4

192 18.9 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: 4.679 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.13 min

Lab File: VY000444.D

Acq: 25 Oct 2019 21:06

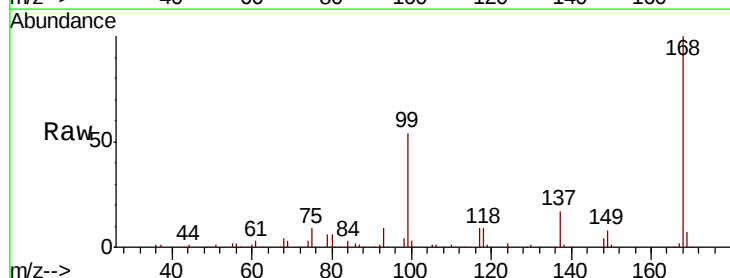
Tgt Ion: 75 Resp: 13895

Ion Ratio Lower Upper

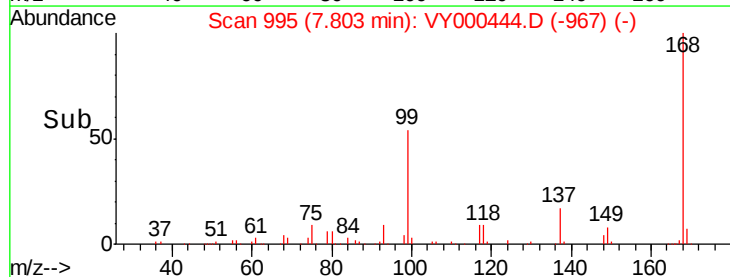
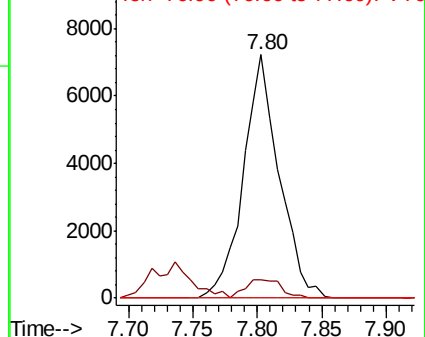
75 100

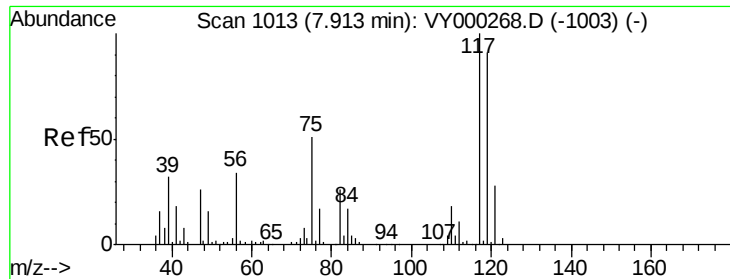
110 7.7 18.4 55.4#

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): V
Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 5.948 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000444.D

Acq: 25 Oct 2019 21:06

Instrument :

MSVOA_Y

ClientSampleId :

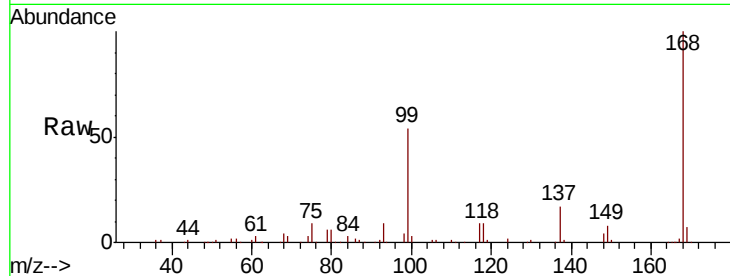
Tot Ion:117 Resp: 17100

Ion Ratio Lower Upper

117 100

119 7.8 72.8 109.2#

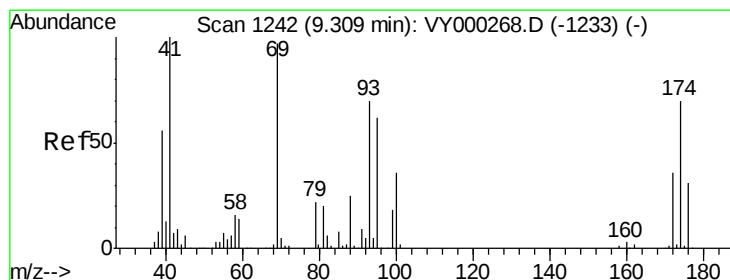
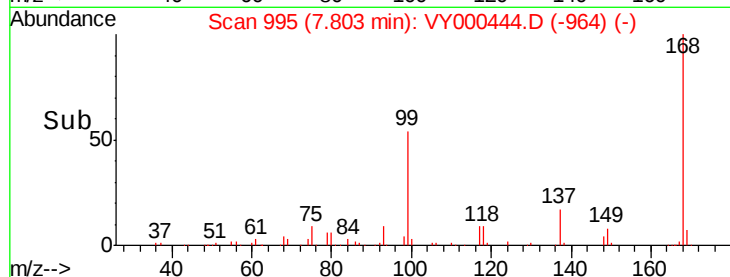
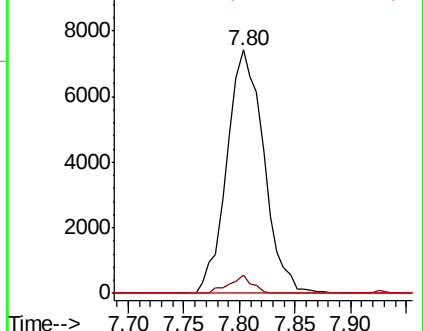
121 0.0 22.2 33.2#



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



#49

1,4-Dioxane

Concen: 2.606 ug/l

RT: 9.26 min Scan# 1234

Delta R.T. -0.05 min

Lab File: VY000444.D

Acq: 25 Oct 2019 21:06

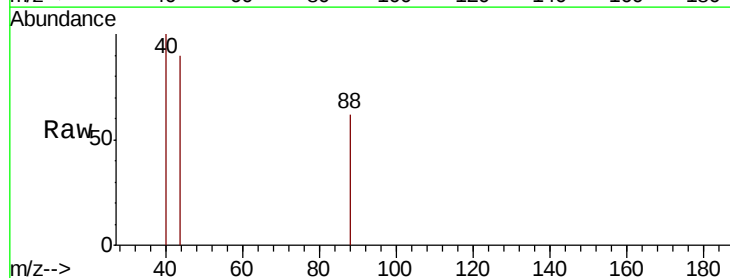
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

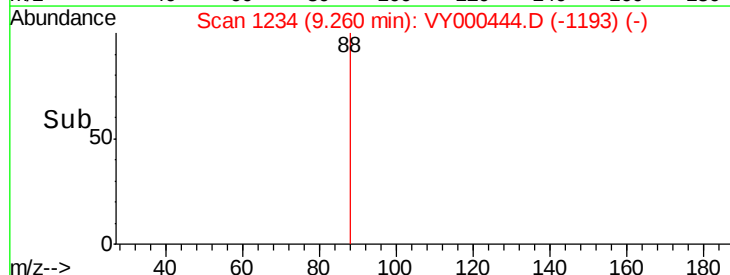
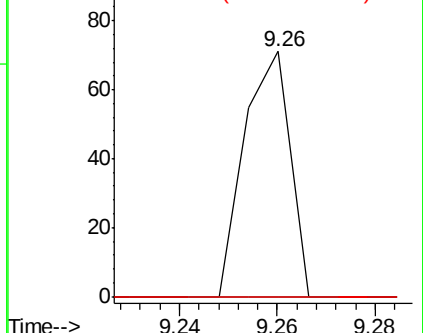
58 0.0 54.6 81.8#

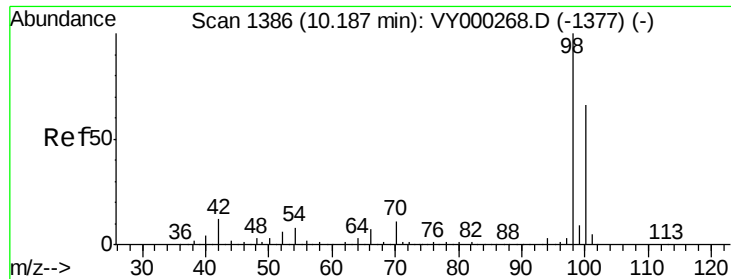


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 50.585 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.00 min

Lab File: VY000444.D

Acq: 25 Oct 2019 21:06

Instrument :

MSVOA_Y

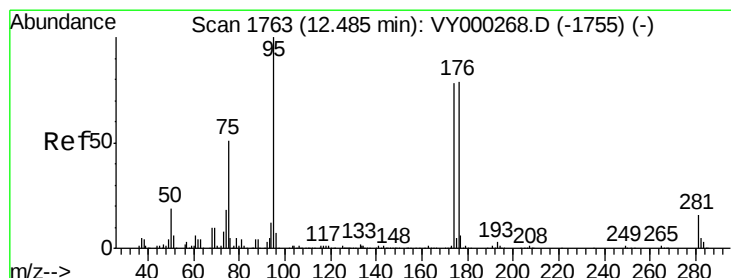
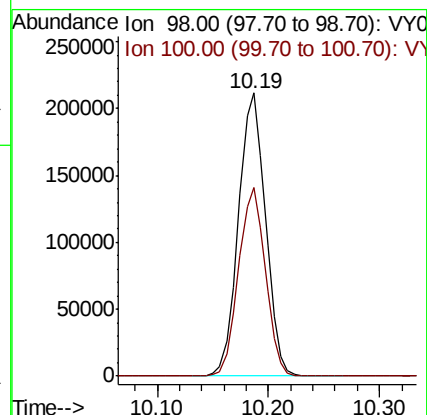
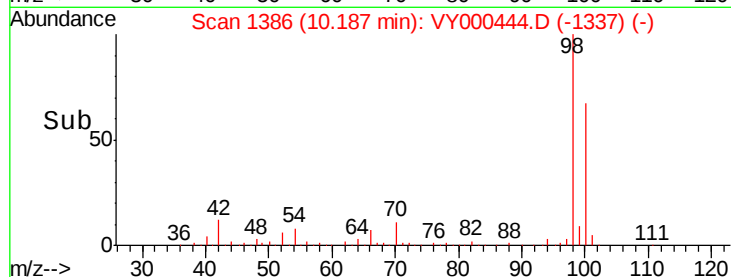
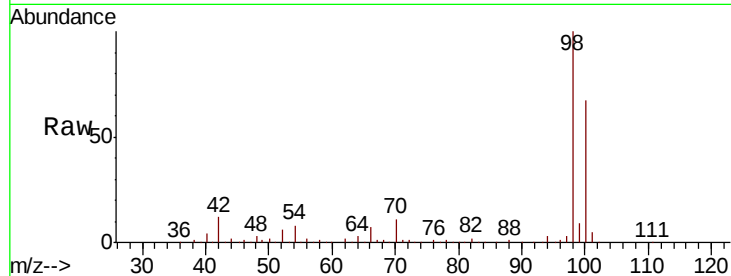
ClientSampled :

Tot Ion: 98 Resp: 355986

Ion Ratio Lower Upper

98 100

100 66.2 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 40.042 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000444.D

Acq: 25 Oct 2019 21:06

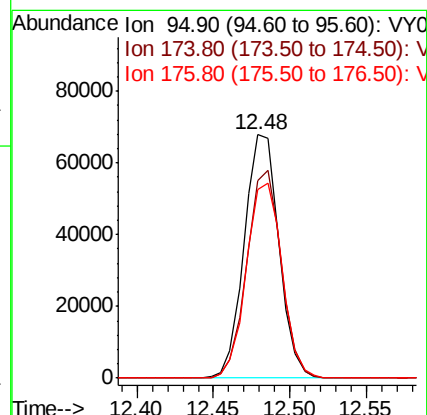
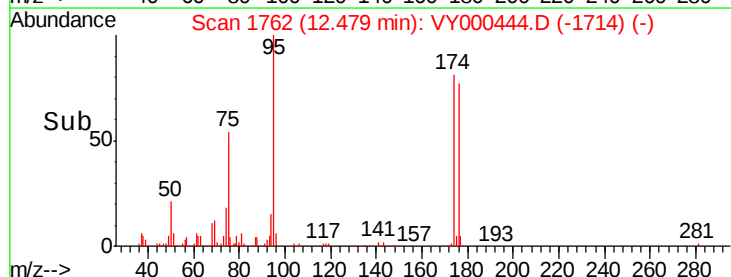
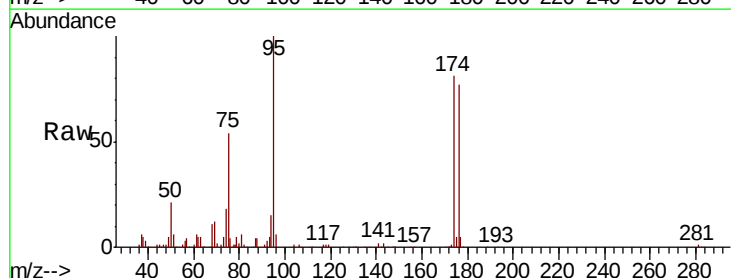
Tgt Ion: 95 Resp: 107057

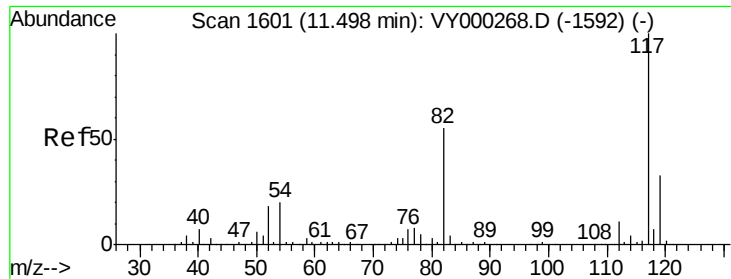
Ion Ratio Lower Upper

95 100

174 84.5 0.0 159.6

176 82.4 0.0 153.8

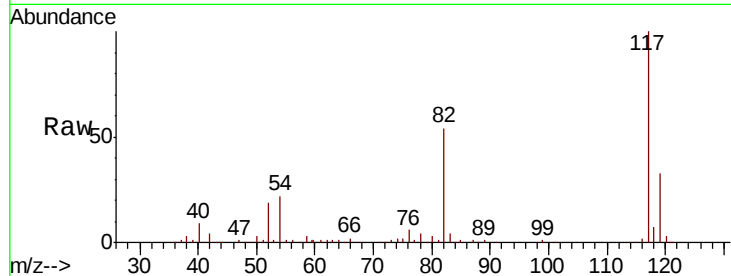




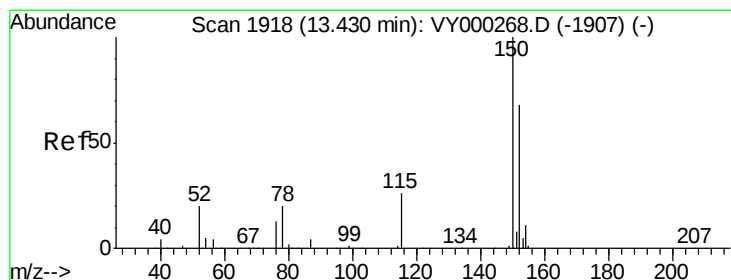
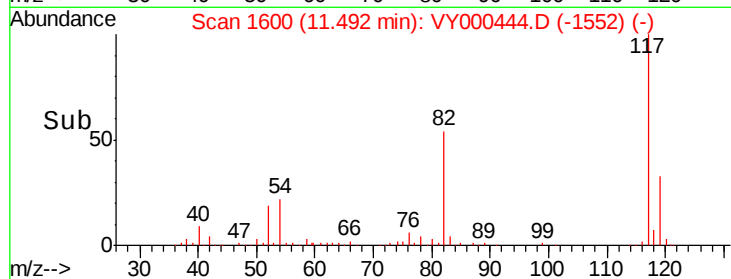
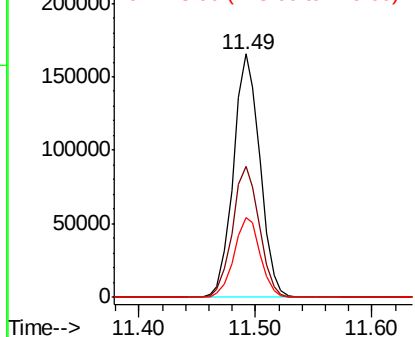
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000444.D
Acq: 25 Oct 2019 21:06

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 262218
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 32.5 26.6 39.8

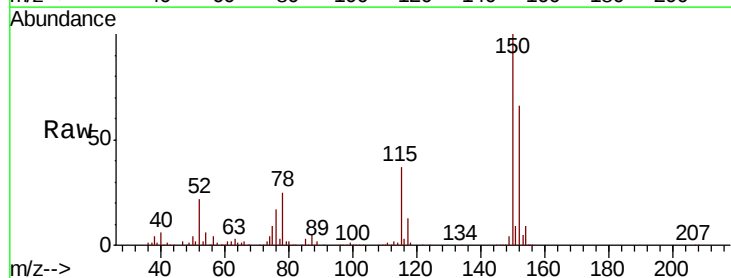


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

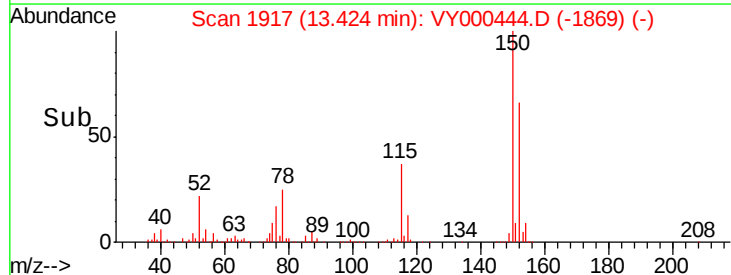
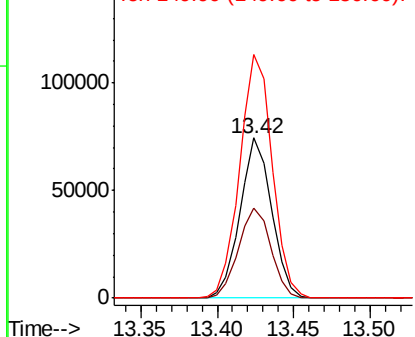


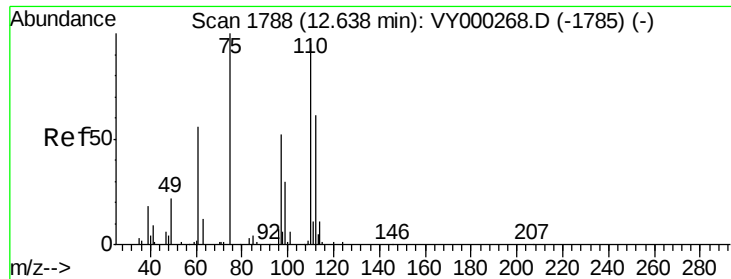
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000444.D
Acq: 25 Oct 2019 21:06

Tgt Ion:152 Resp: 106763
Ion Ratio Lower Upper
152 100
115 57.7 29.3 88.0
150 156.5 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

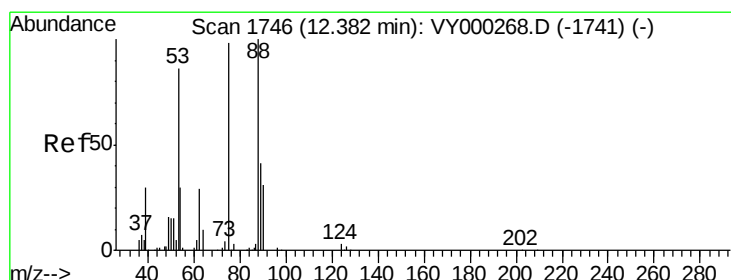
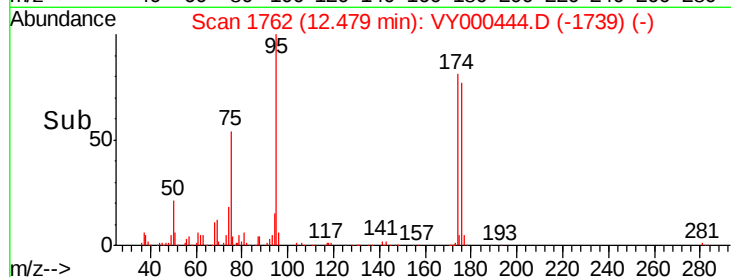
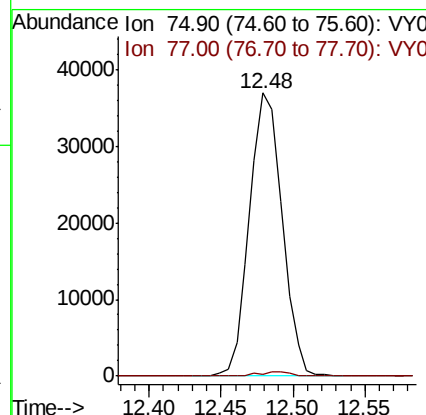
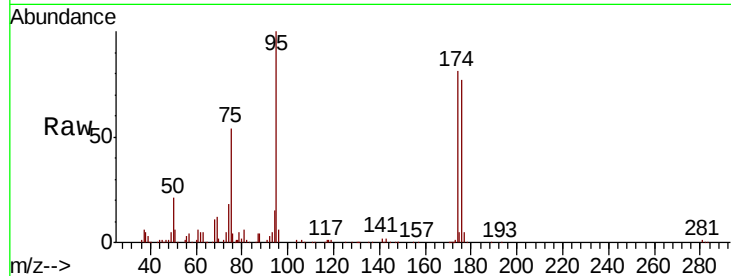




#76
 1,2,3-Trichloropropane
 Concen: 44.196 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.16 min
 Lab File: VY000444.D
 Acq: 25 Oct 2019 21:06

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 58021
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.698 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000444.D
 Acq: 25 Oct 2019 21:06

Tgt Ion: 75 Resp: 58021
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.3 106.9#
 89 0.0 35.1 52.7#

