

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000453.D
 Acq On : 28 Oct 2019 14:38
 Operator : SY/MD
 Sample : K5564-04
 Misc : 4.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 10:45:18 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	204433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	350167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	300426	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	127606	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	119233	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
35) Dibromofluoromethane	7.73	113	104147	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
50) Toluene-d8	10.18	98	400012	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.48	95	124505	40.33	ug/l	0.00
Spiked Amount			Recovery	=	80.66%	

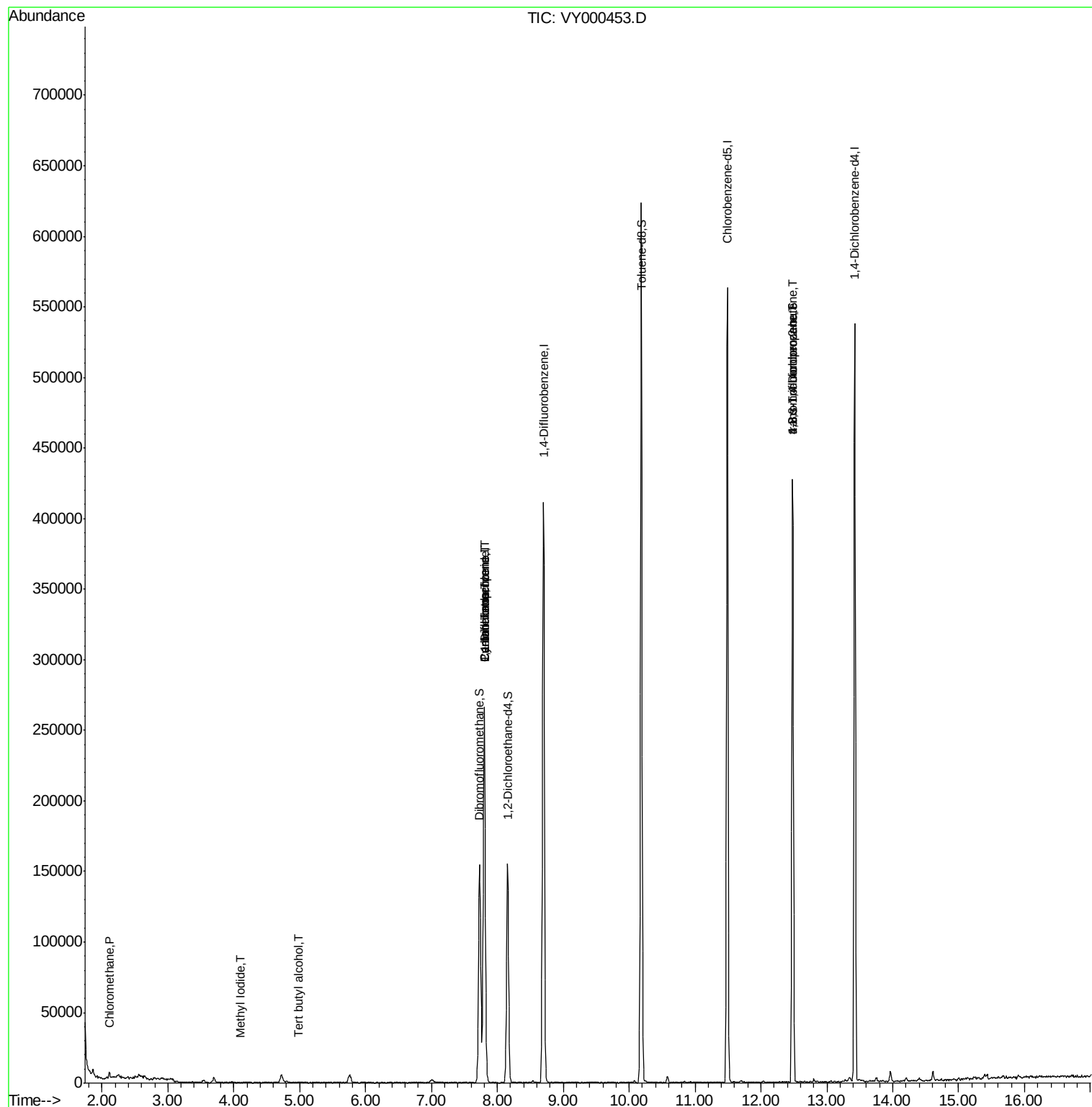
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.15	85	23	Below Cal	#	41
3) Chloromethane	2.11	50	3135	1.255	ug/l #	62
10) Methyl Iodide	4.10	142	268	1.274	ug/l #	79
11) Tert butyl alcohol	4.98	59	266	1.179	ug/l #	73
20) Methylene Chloride	4.72	84	3654	Below Cal	#	79
31) Cyclohexane	7.80	56	4745	1.150	ug/l #	34
36) 1,1-Dichloropropene	7.80	75	15884	4.633	ug/l #	51
38) Carbon Tetrachloride	7.80	117	19400	5.844	ug/l #	18
76) 1,2,3-Trichloropropane	12.48	75	67313	42.899	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	67313	93.861	ug/l #	14

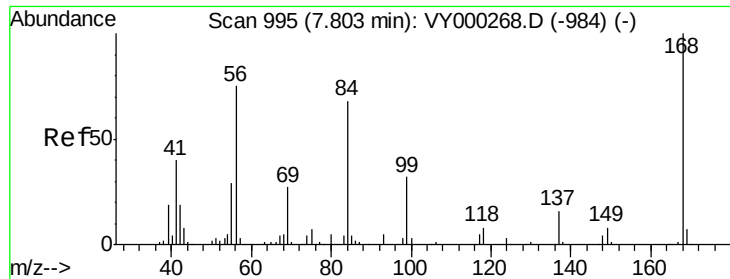
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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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: VY000453.D

Acq: 28 Oct 2019 14:38

Instrument :

MSVOA_Y

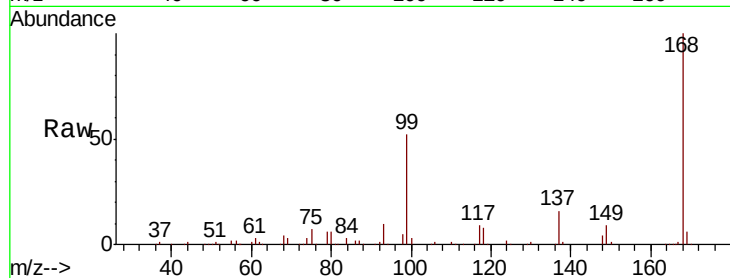
ClientSampleId :

Tot Ion:168 Resp: 204433

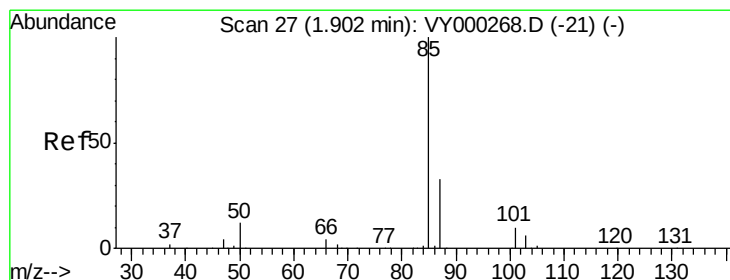
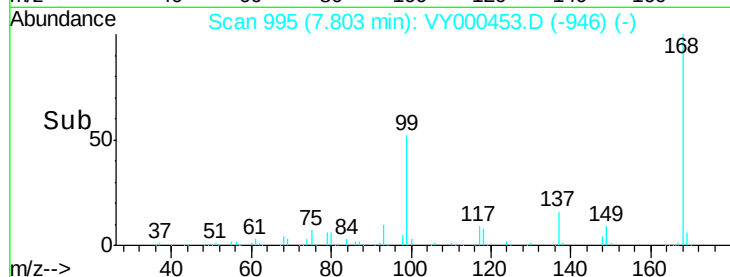
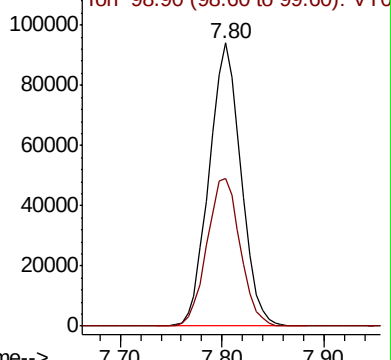
Ion Ratio Lower Upper

168 100

99 52.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000453.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.15 min Scan# 67

Delta R.T. 0.24 min

Lab File: VY000453.D

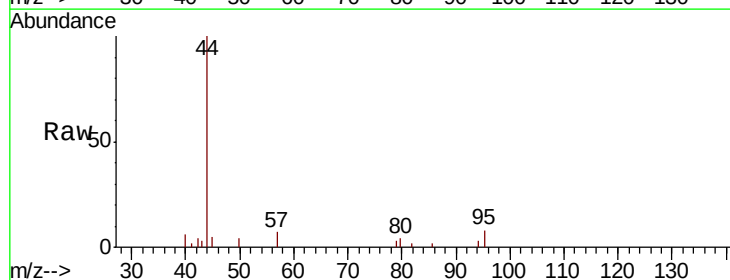
Acq: 28 Oct 2019 14:38

Tgt Ion: 85 Resp: 23

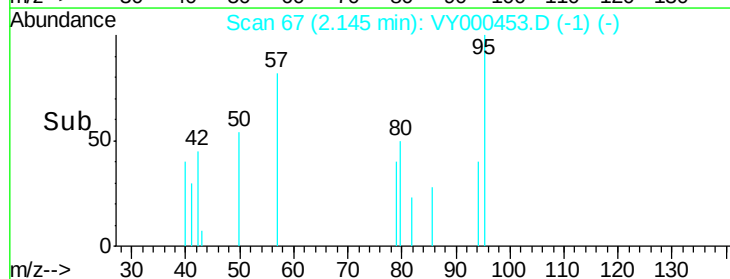
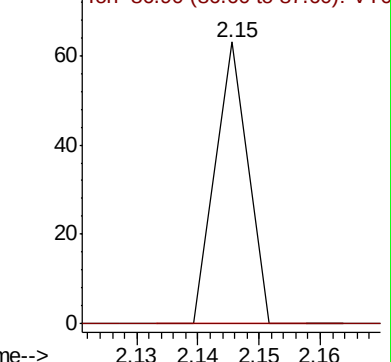
Ion Ratio Lower Upper

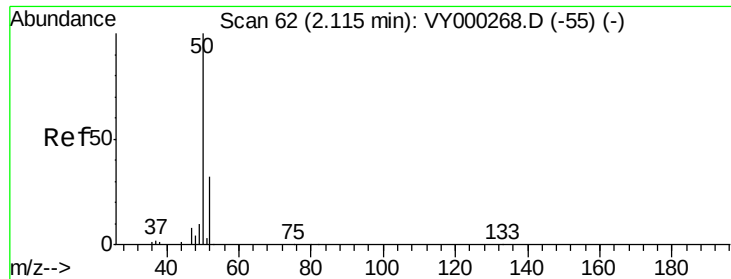
85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000453.D (-1) (-)





#3

Chloromethane

Concen: 1.255 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000453.D

Acq: 28 Oct 2019 14:38

Instrument :

MSVOA_Y

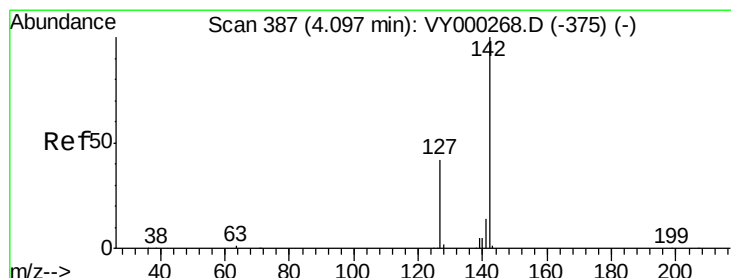
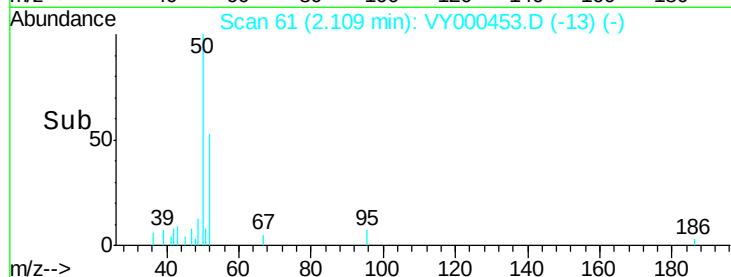
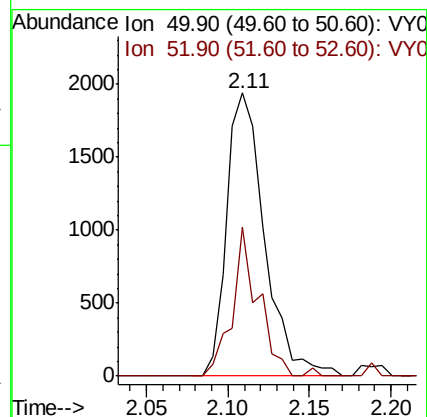
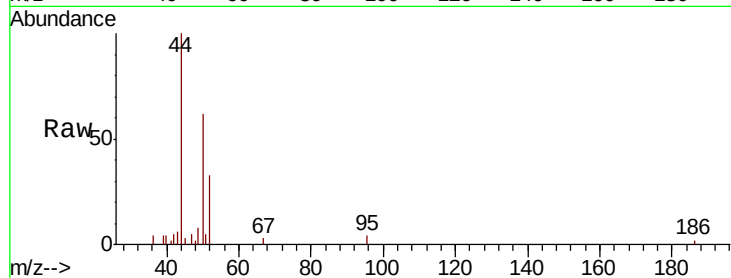
ClientSampleId :

Tot Ion: 50 Resp: 3135

Ion Ratio Lower Upper

50 100

52 52.8 25.3 37.9#



#10

Methyl Iodide

Concen: 1.274 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000453.D

Acq: 28 Oct 2019 14:38

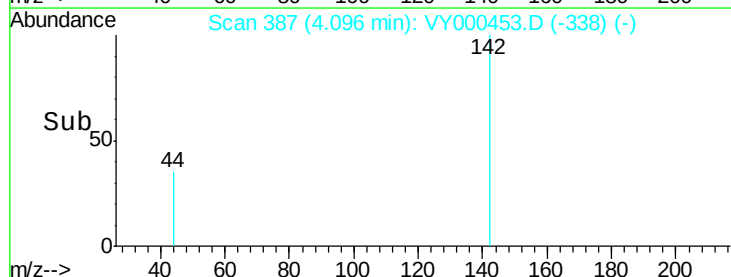
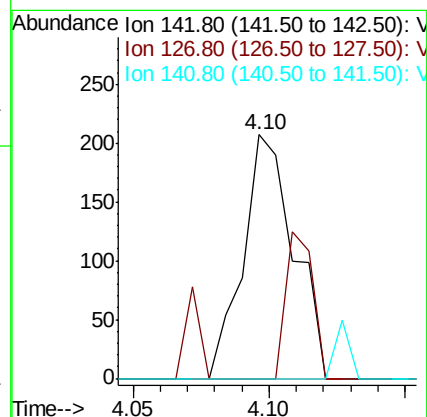
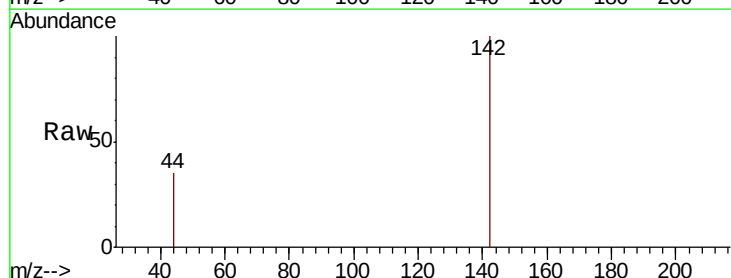
Tgt Ion: 142 Resp: 268

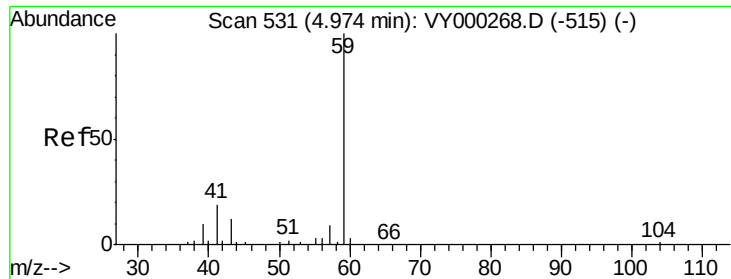
Ion Ratio Lower Upper

142 100

127 31.7 33.9 50.9#

141 0.0 11.2 16.8#

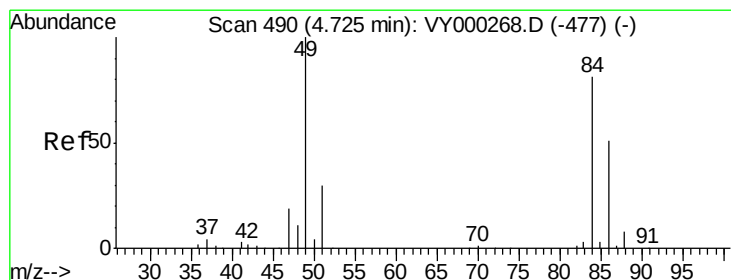
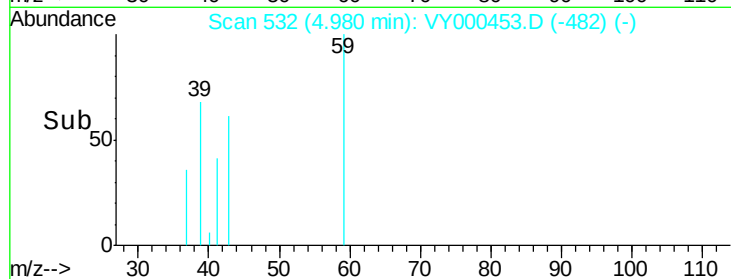
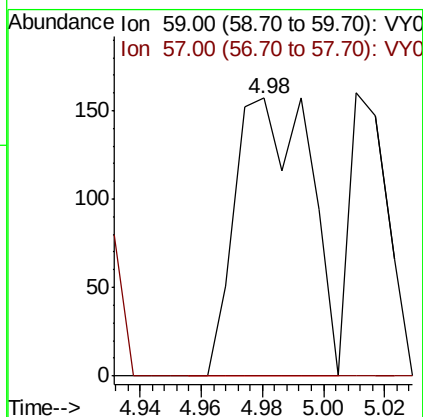
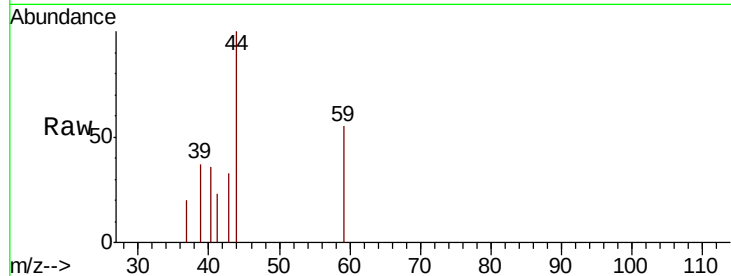




#11
Tert butyl alcohol
Concen: 1.179 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000453.D
Acq: 28 Oct 2019 14:38

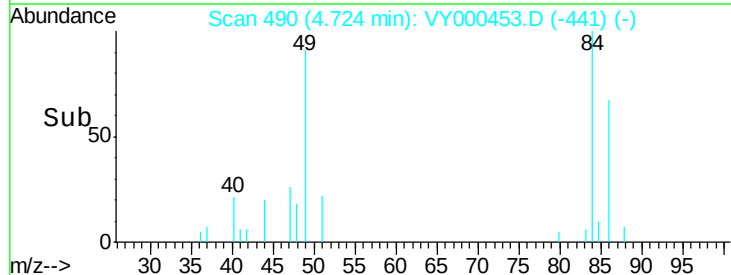
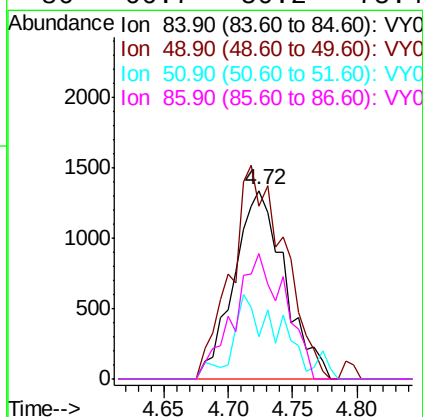
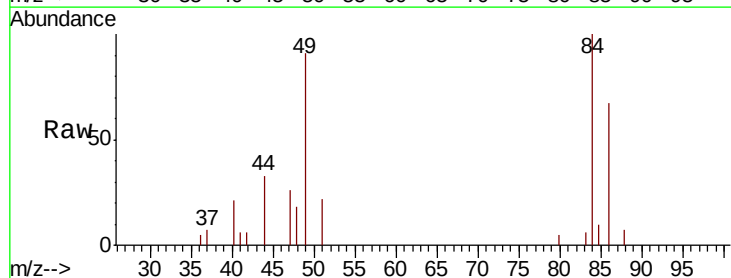
Instrument :
MSVOA_Y
ClientSampleId :

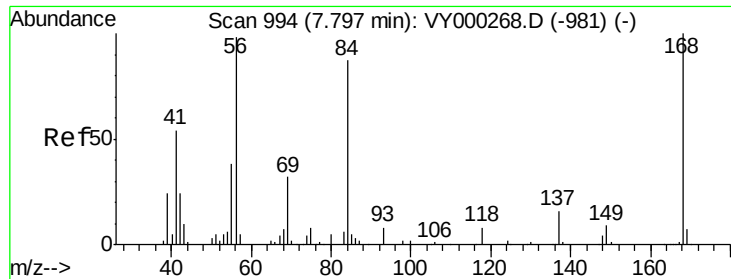
Tot Ion: 59 Resp: 266
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000453.D
Acq: 28 Oct 2019 14:38

Tgt Ion: 84 Resp: 3654
Ion Ratio Lower Upper
84 100
49 91.3 99.0 148.4#
51 22.1 29.3 43.9#
86 66.7 50.2 75.4

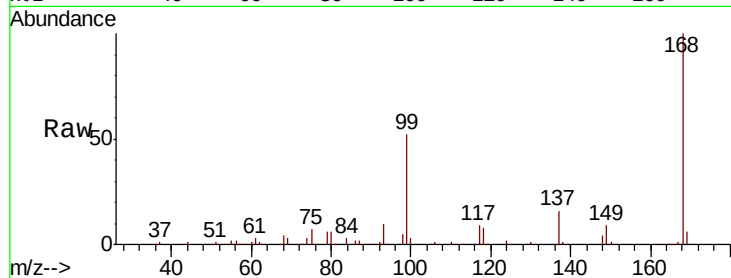




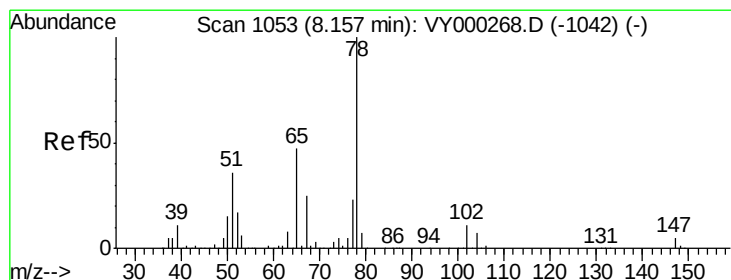
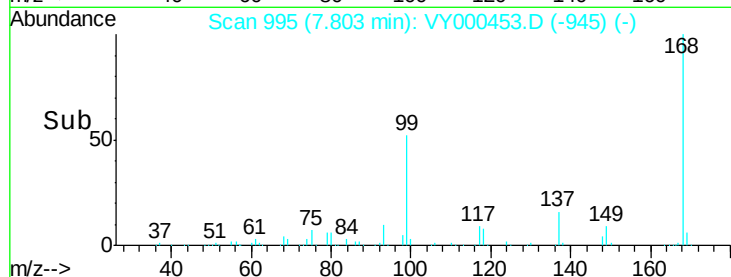
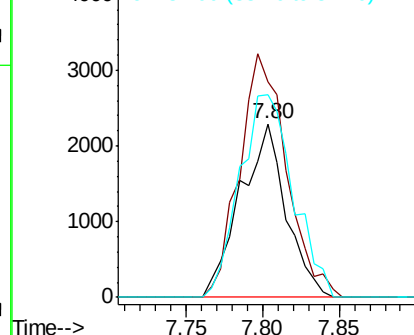
#31
Cyclohexane
Concen: 1.150 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000453.D
Acq: 28 Oct 2019 14:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4745
Ion Ratio Lower Upper
56 100
69 124.4 26.3 39.5#
84 116.9 70.8 106.2#

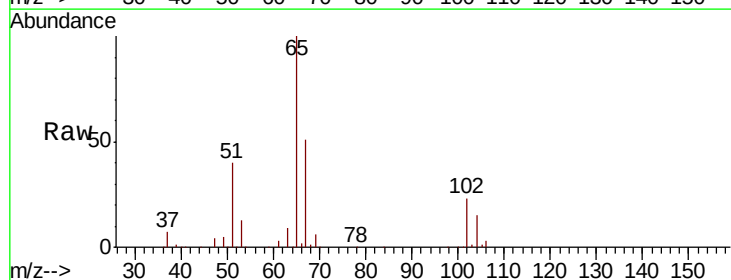


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

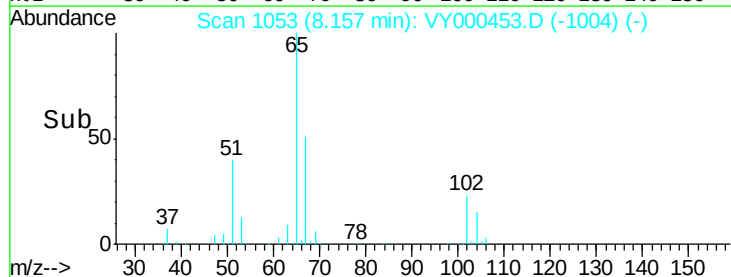
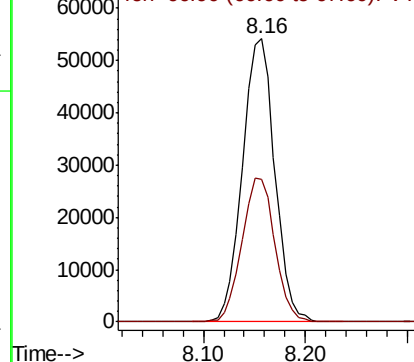


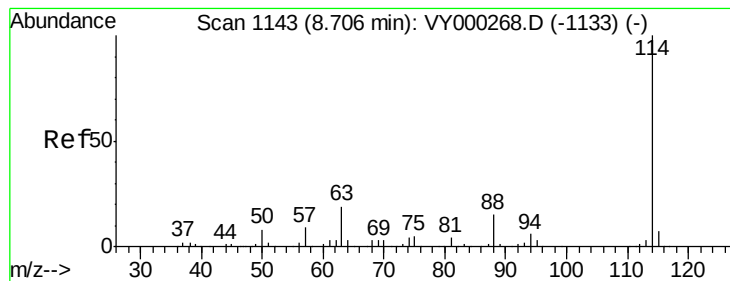
#33
1,2-Dichloroethane-d4
Concen: 55.291 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VY000453.D
Acq: 28 Oct 2019 14:38

Tgt Ion: 65 Resp: 119233
Ion Ratio Lower Upper
65 100
67 51.8 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: VY000453.D

Acq: 28 Oct 2019 14:38

Instrument :

MSVOA_Y

ClientSampleId :

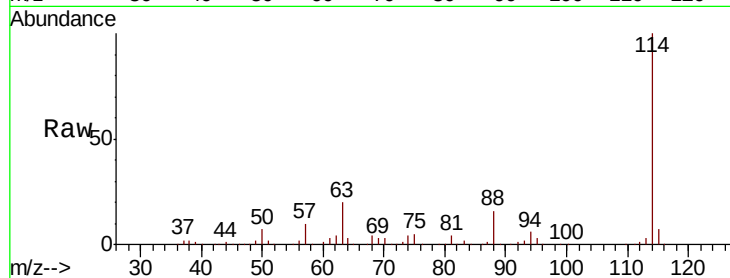
Tot Ion:114 Resp: 350167

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.2

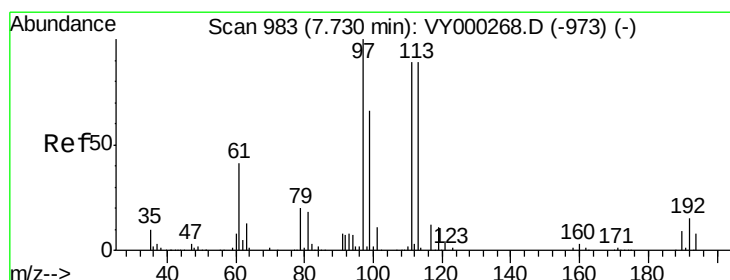
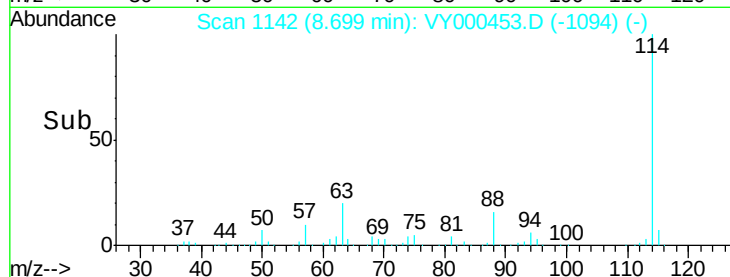
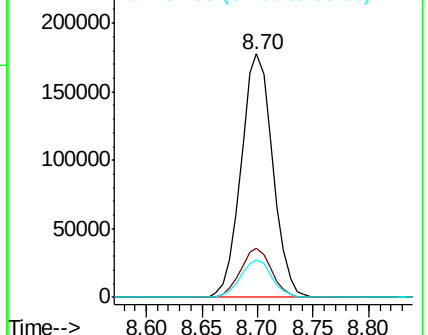
88 15.6 0.0 30.2



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: 49.306 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000453.D

Acq: 28 Oct 2019 14:38

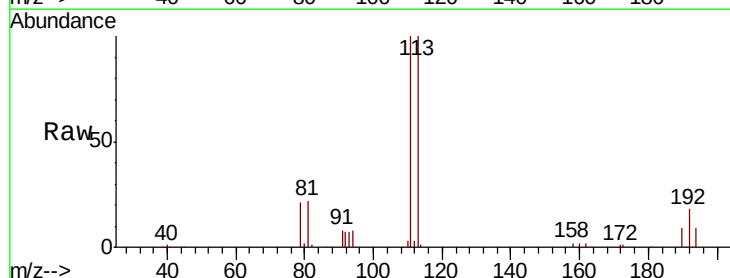
Tgt Ion:113 Resp: 104147

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

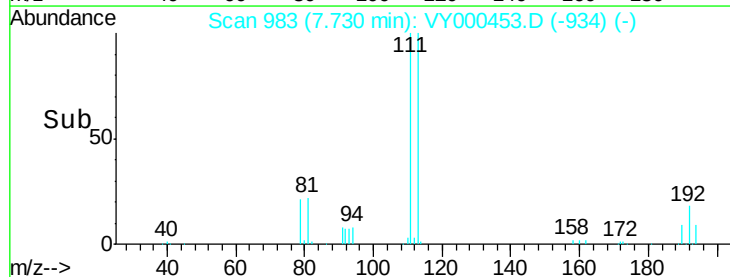
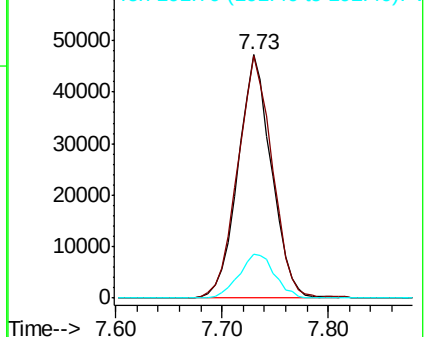
192 19.4 15.3 22.9

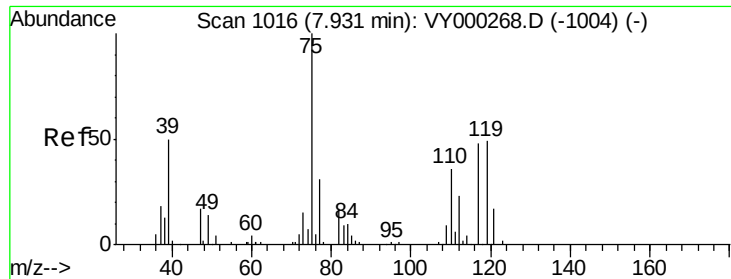


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

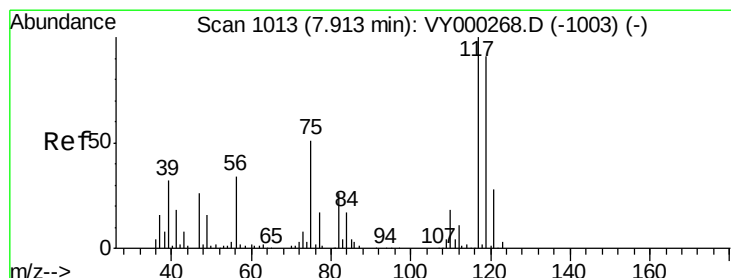
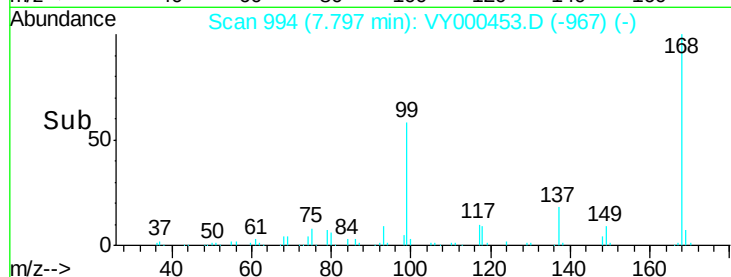
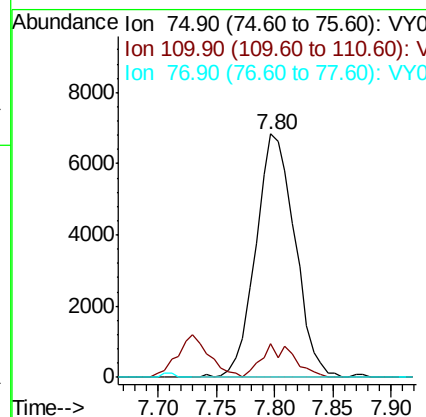
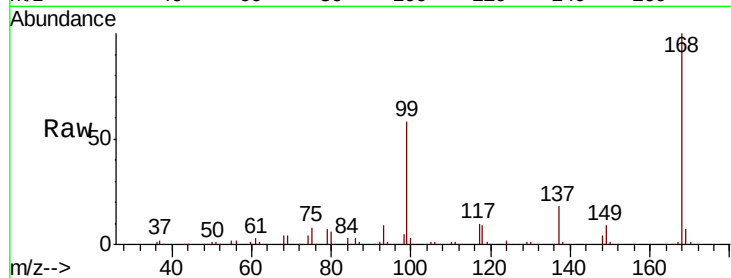




#36
 1,1-Dichloropropene
 Concen: 4.633 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000453.D
 Acq: 28 Oct 2019 14:38

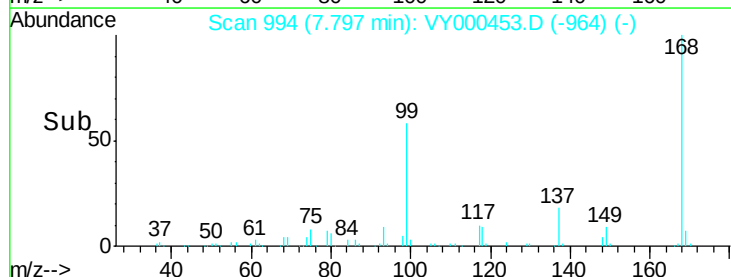
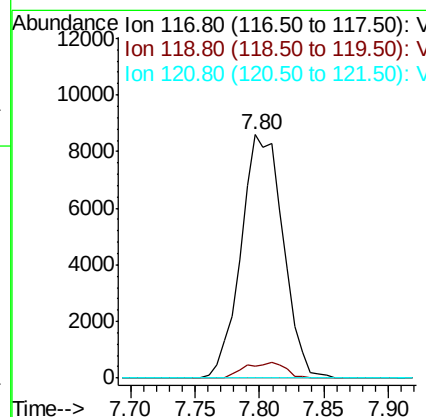
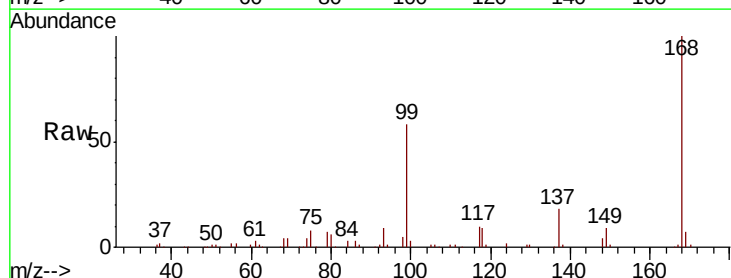
Instrument :
 MSVOA_Y
 ClientSampleId :

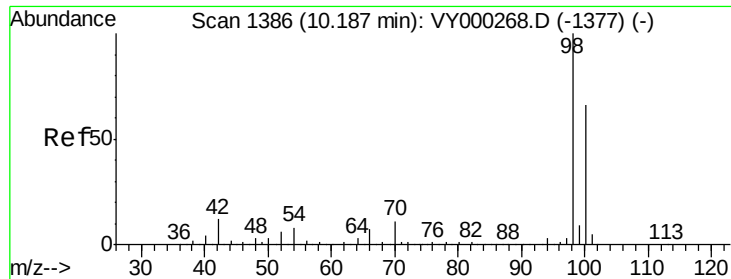
Tot Ion: 75 Resp: 15884
 Ion Ratio Lower Upper
 75 100
 110 11.5 18.4 55.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.844 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000453.D
 Acq: 28 Oct 2019 14:38

Tgt Ion: 117 Resp: 19400
 Ion Ratio Lower Upper
 117 100
 119 5.0 72.8 109.2#
 121 0.0 22.2 33.2#





#50

Toluene-d8

Concen: 49.231 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY000453.D

Acq: 28 Oct 2019 14:38

Instrument :

MSVOA_Y

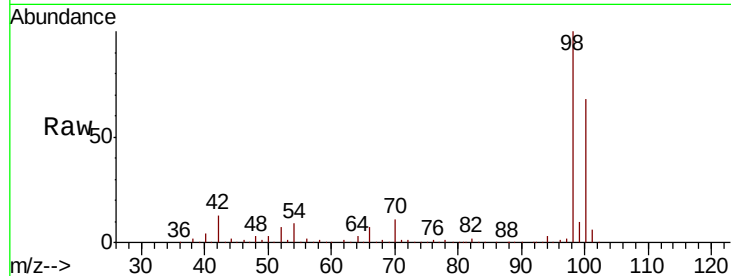
ClientSampled :

Tot Ion: 98 Resp: 400012

Ion Ratio Lower Upper

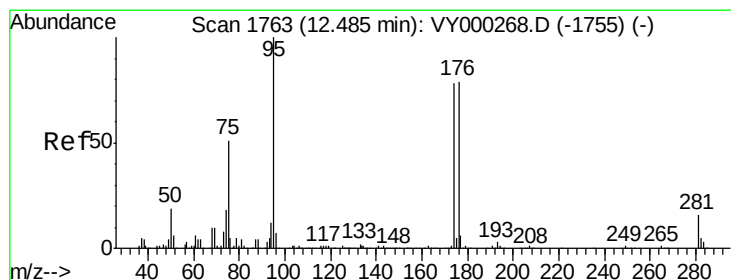
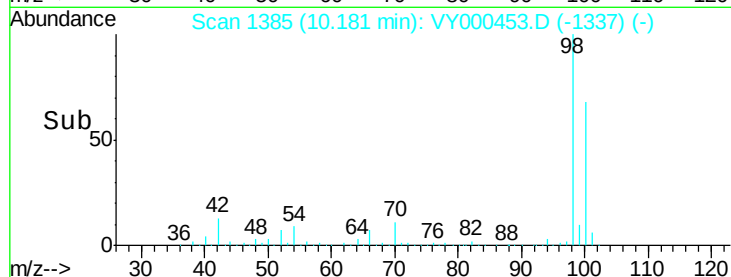
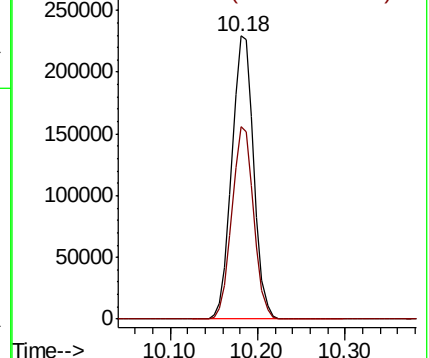
98 100

100 67.3 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: 40.334 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000453.D

Acq: 28 Oct 2019 14:38

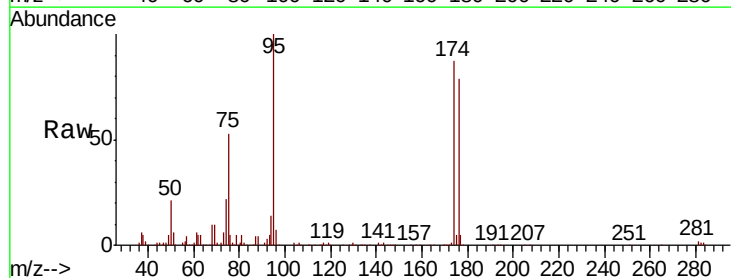
Tgt Ion: 95 Resp: 124505

Ion Ratio Lower Upper

95 100

174 85.1 0.0 159.6

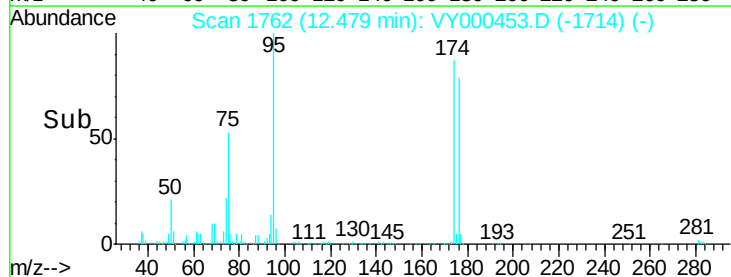
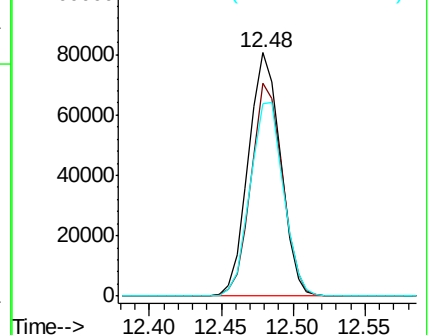
176 82.3 0.0 153.8

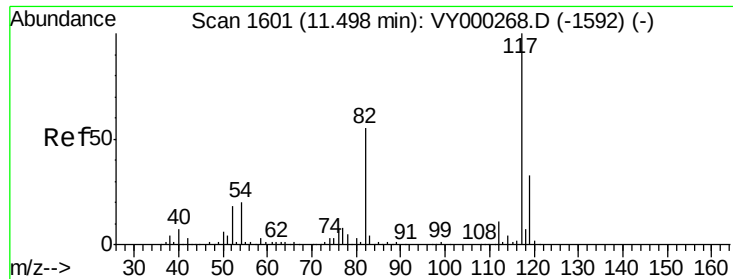


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

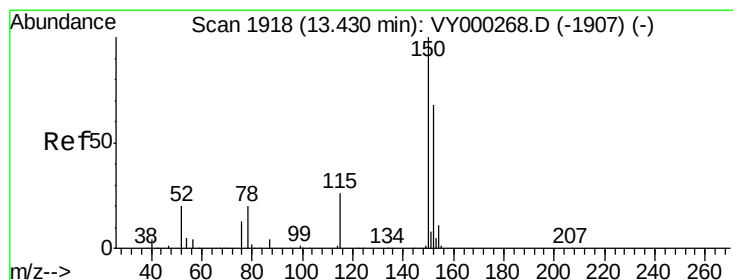
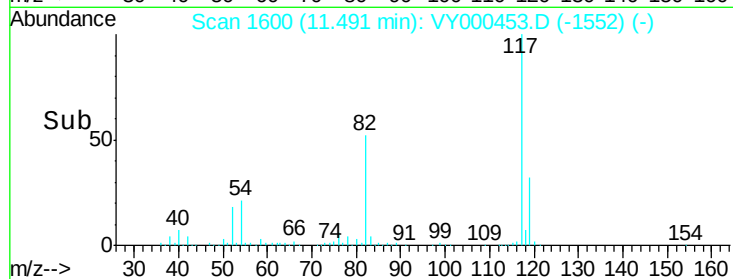
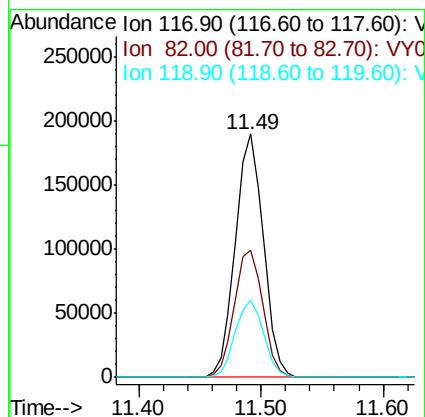
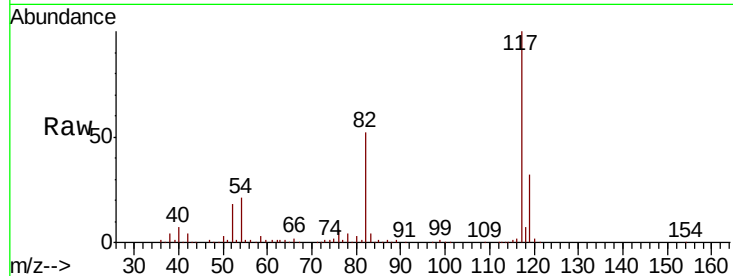




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000453.D
Acq: 28 Oct 2019 14:38

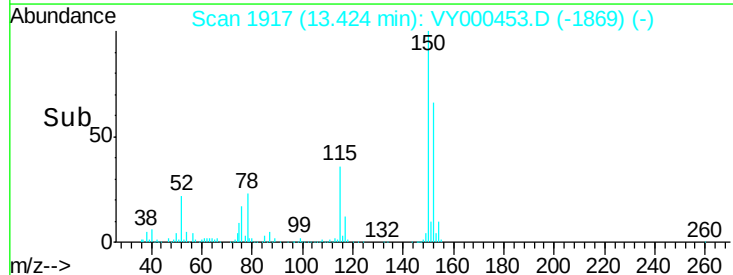
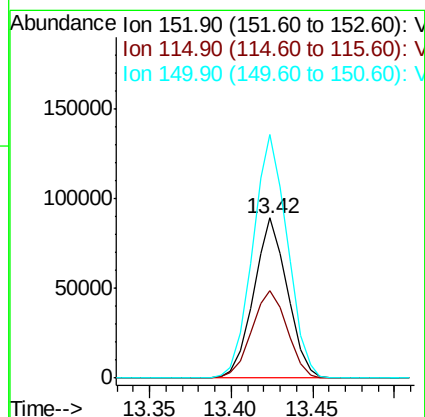
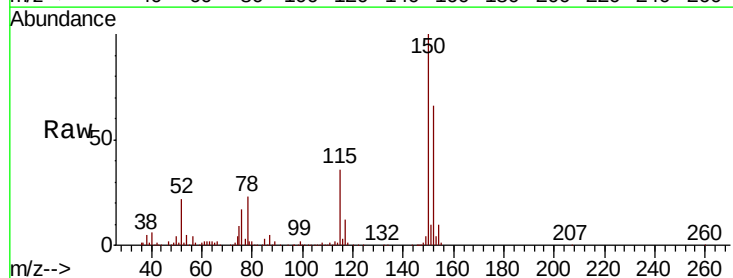
Instrument :
MSVOA_Y
ClientSampleId :

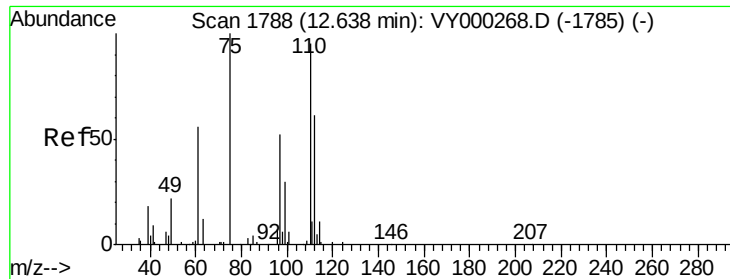
Tot Ion:117 Resp: 300426
Ion Ratio Lower Upper
117 100
82 52.0 43.7 65.5
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000453.D
Acq: 28 Oct 2019 14:38

Tgt Ion:152 Resp: 127606
Ion Ratio Lower Upper
152 100
115 57.2 29.3 88.0
150 156.8 0.0 348.4





#76

1,2,3-Trichloropropane

Concen: 42.899 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000453.D

Acq: 28 Oct 2019 14:38

Instrument :

MSVOA_Y

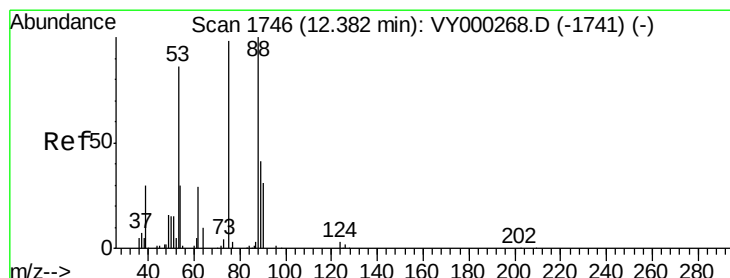
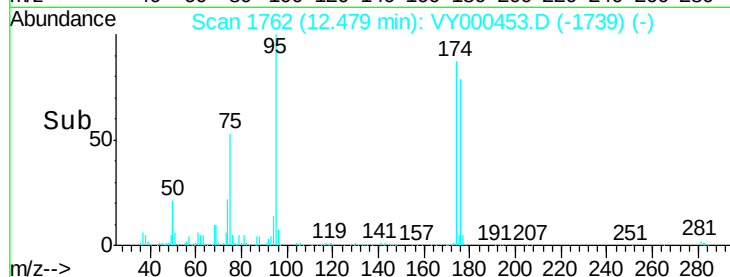
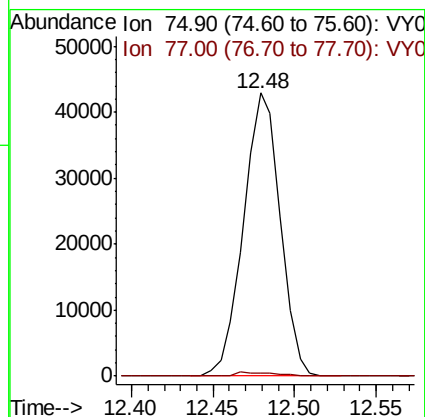
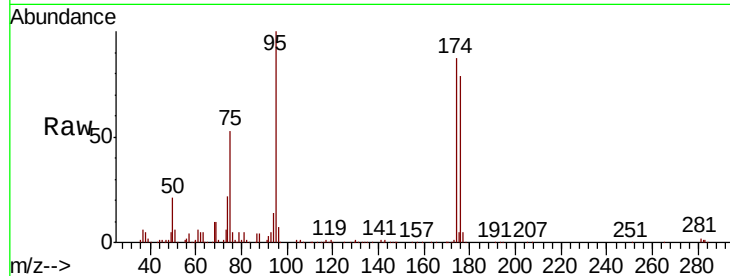
ClientSampleId :

Tot Ion: 75 Resp: 67313

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.861 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000453.D

Acq: 28 Oct 2019 14:38

Tgt Ion: 75 Resp: 67313

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#

