

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000388.D
 Acq On : 23 Oct 2019 17:55
 Operator : SY/MD
 Sample : K5500-04
 Misc : 7.47G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:47:46 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	227202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	394320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	345506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	156088	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	128702	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
35) Dibromofluoromethane	7.73	113	111783	47.00	ug/l	0.00
Spiked Amount			Recovery	=	94.00%	
50) Toluene-d8	10.18	98	460342	50.31	ug/l	0.00
Spiked Amount			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.48	95	148301	42.66	ug/l	0.00
Spiked Amount			Recovery	=	85.32%	

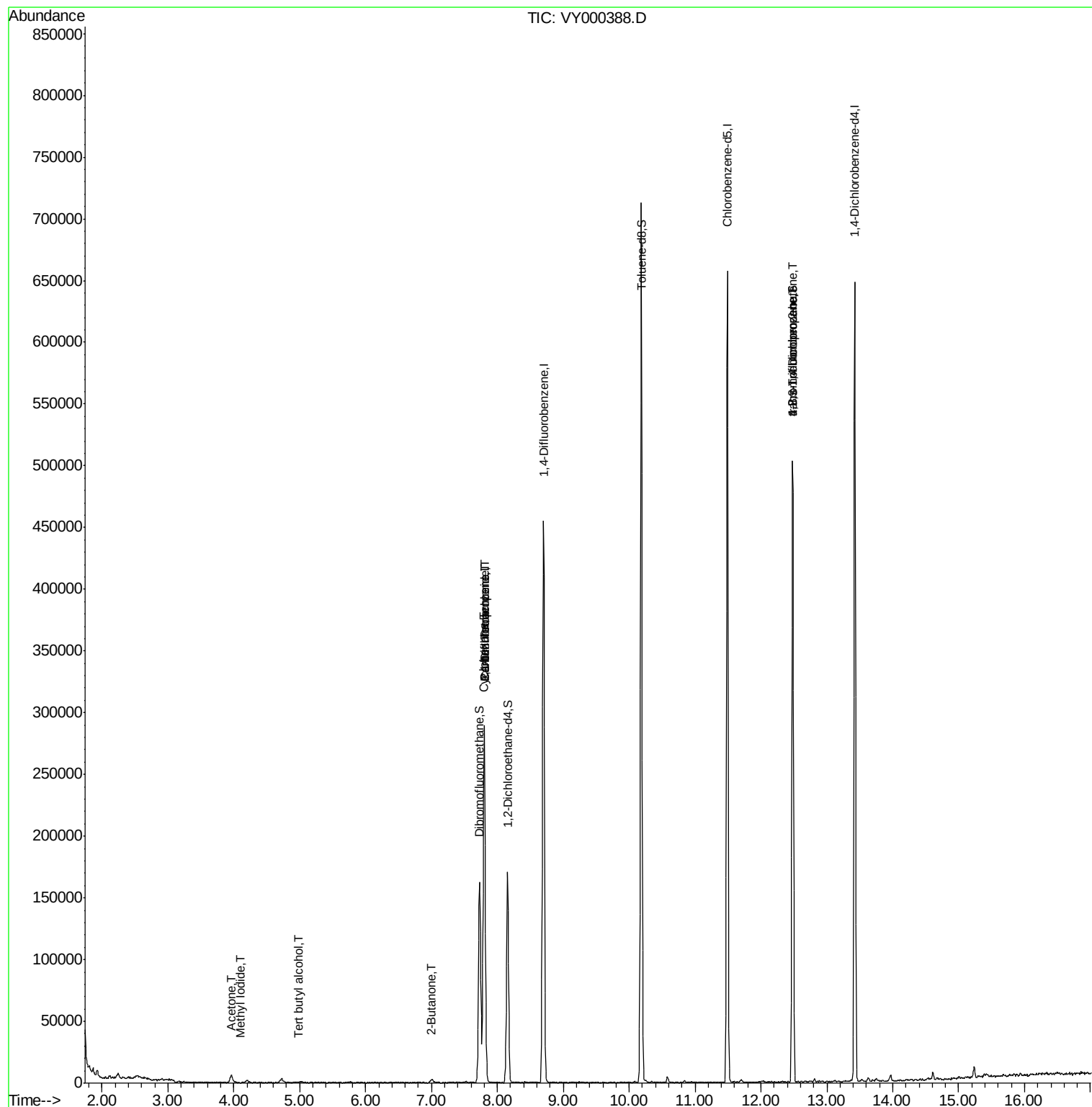
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.93	85	186	Below Cal	#	41
10) Methyl Iodide	4.10	142	38	1.197	ug/l #	41
11) Tert butyl alcohol	4.99	59	447	1.782	ug/l #	73
16) Acetone	3.96	43	10424	13.431	ug/l	92
20) Methylene Chloride	4.72	84	2106	Below Cal	#	78
25) 2-Butanone	7.00	43	2636	2.411	ug/l	93
31) Cyclohexane	7.79	56	4693	1.024	ug/l #	22
36) 1,1-Dichloropropene	7.80	75	17031	4.411	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21723	5.811	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	80156	41.762	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	80156	91.374	ug/l #	14

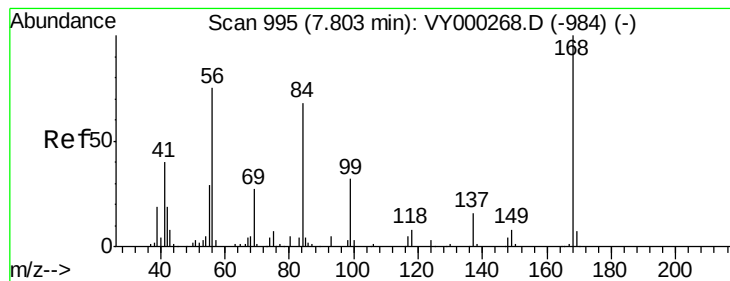
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
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ClientSampleId :

Quant Time: Oct 24 04:47:46 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: VY000388.D

Acq: 23 Oct 2019 17:55

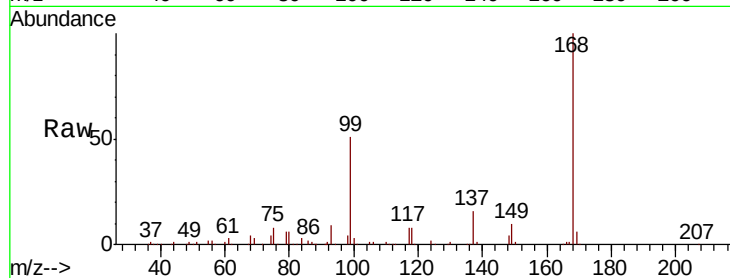
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 227202

Ion Ratio Lower Upper

168 100

99 51.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VY000388.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000388.D (-946) (-)

7.80

100000

80000

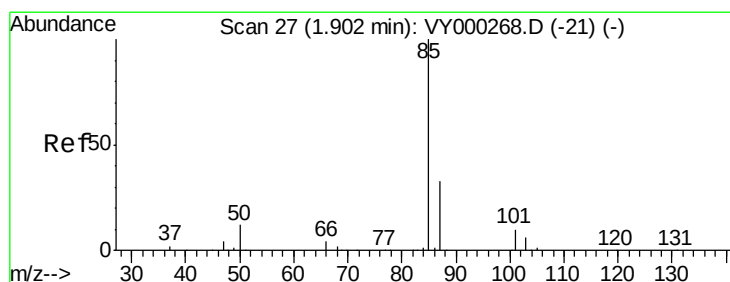
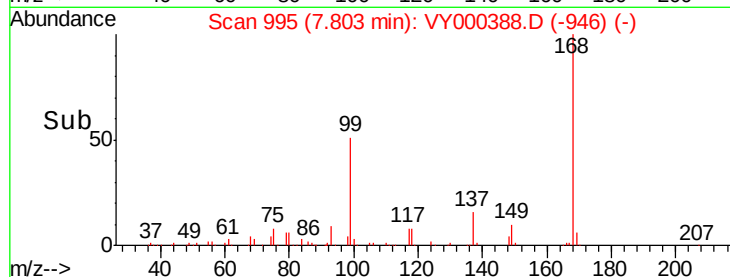
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.93 min Scan# 31

Delta R.T. 0.03 min

Lab File: VY000388.D

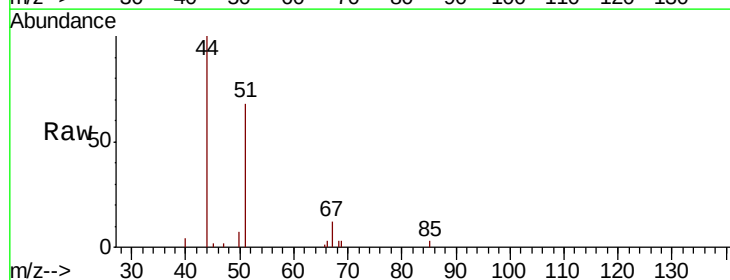
Acq: 23 Oct 2019 17:55

Tgt Ion: 85 Resp: 186

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.8#



Abundance Ion 84.90 (84.60 to 85.60): VY000388.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000388.D (-1) (-)

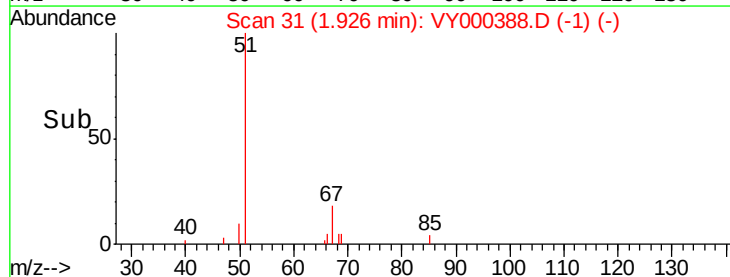
1.93

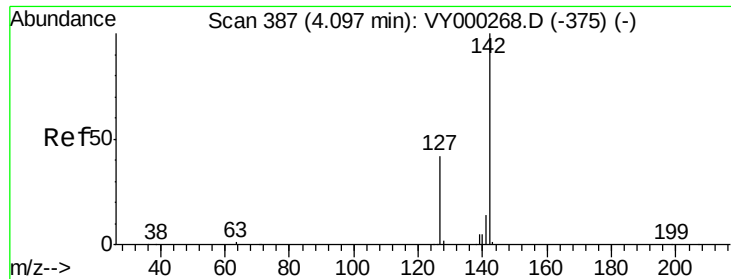
100

50

0

Time-->

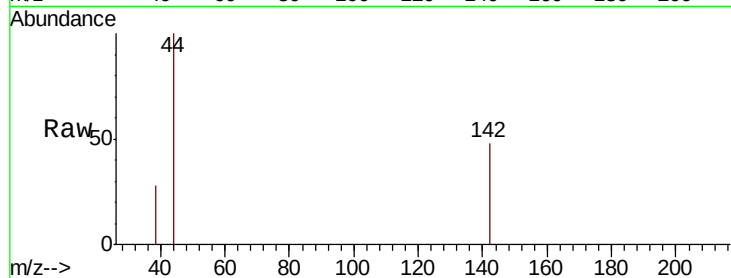




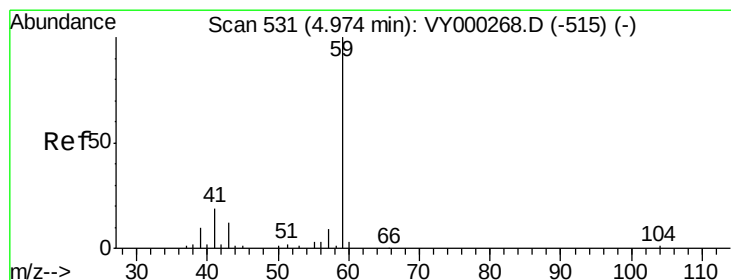
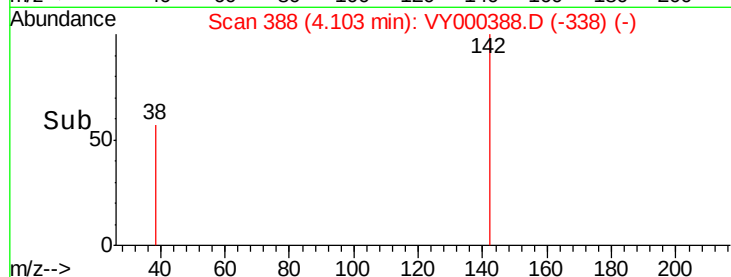
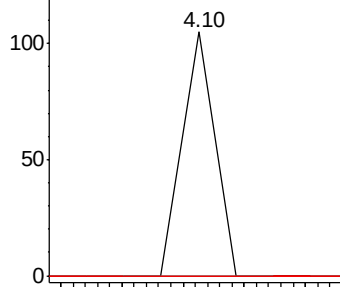
#10
Methyl Iodide
Concen: 1.197 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000388.D
Acq: 23 Oct 2019 17:55

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:142 Resp: 38
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.2 16.8#

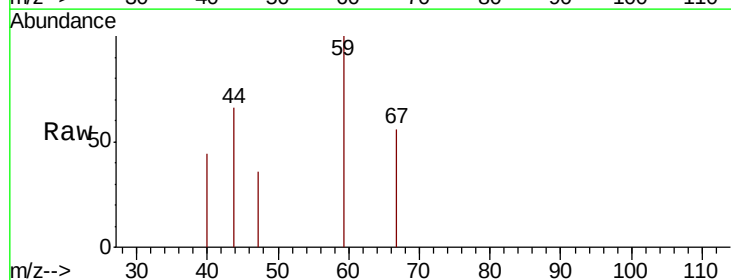


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

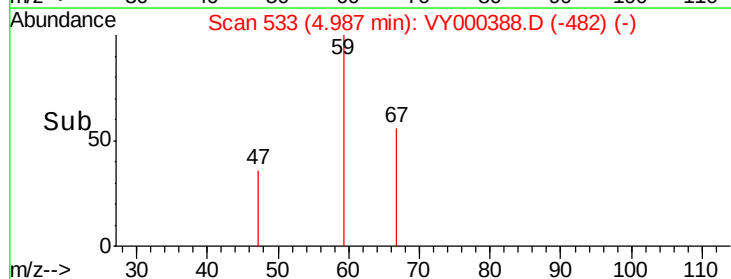
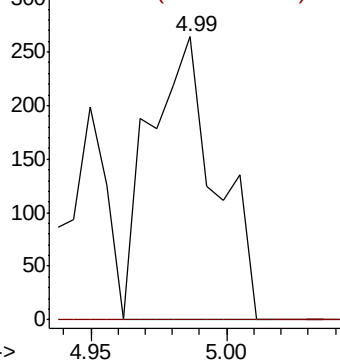


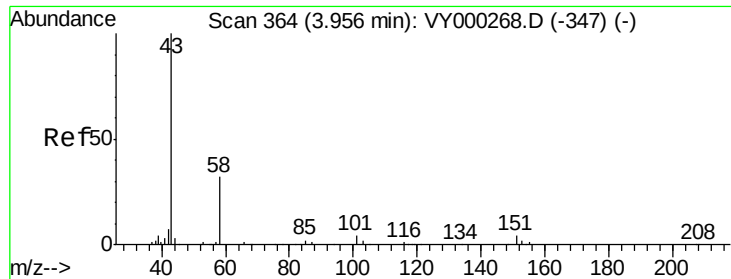
#11
Tert butyl alcohol
Concen: 1.782 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.01 min
Lab File: VY000388.D
Acq: 23 Oct 2019 17:55

Tgt Ion: 59 Resp: 447
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: 13.431 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000388.D

Acq: 23 Oct 2019 17:55

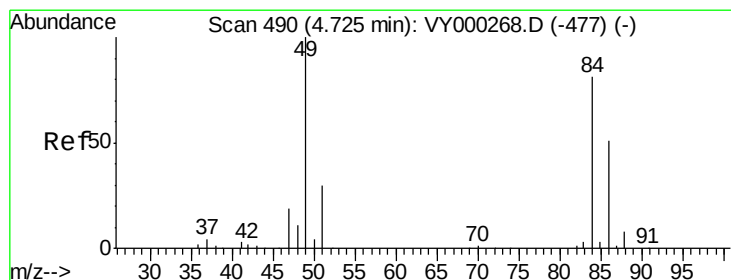
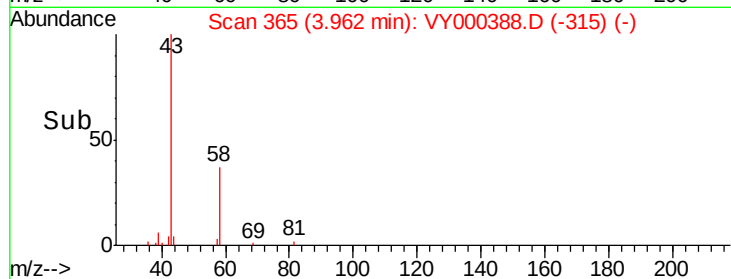
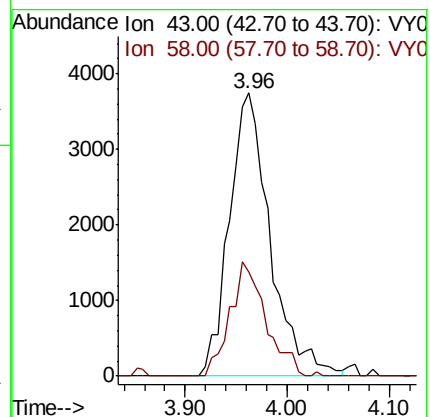
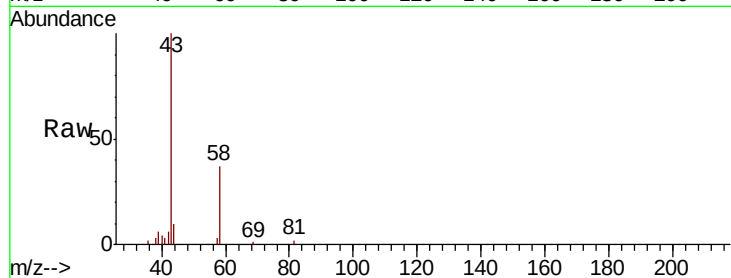
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 10424

Ion Ratio Lower Upper

43 100

58 36.8 25.8 38.6



#20

Methylene Chloride

Concen: Below Cal

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000388.D

Acq: 23 Oct 2019 17:55

Tgt Ion: 84 Resp: 2106

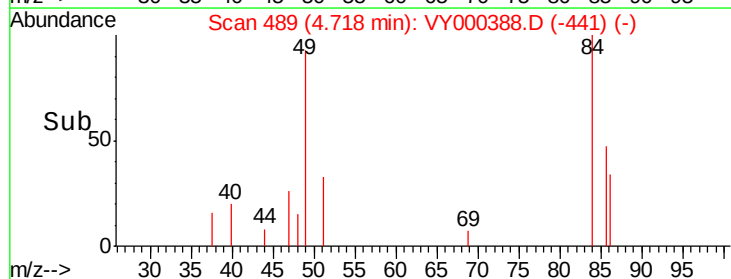
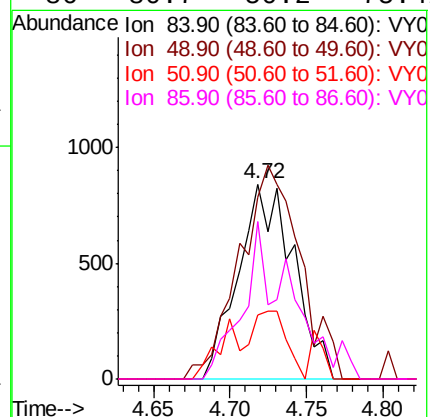
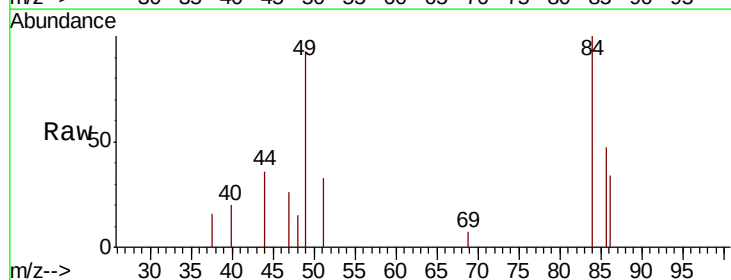
Ion Ratio Lower Upper

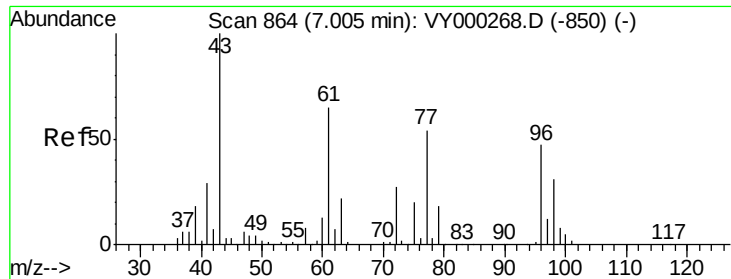
84 100

49 93.5 99.0 148.4#

51 32.9 29.3 43.9

86 80.7 50.2 75.4#





#25

2-Butanone

Concen: 2.411 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000388.D

Acq: 23 Oct 2019 17:55

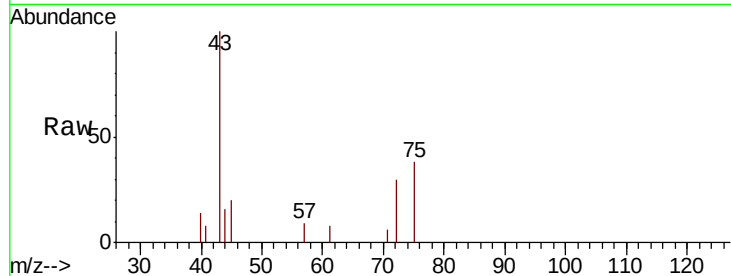
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 2636

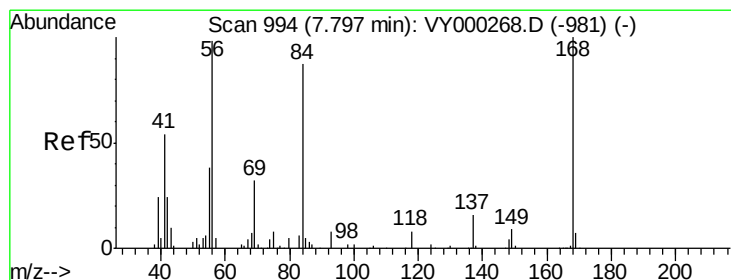
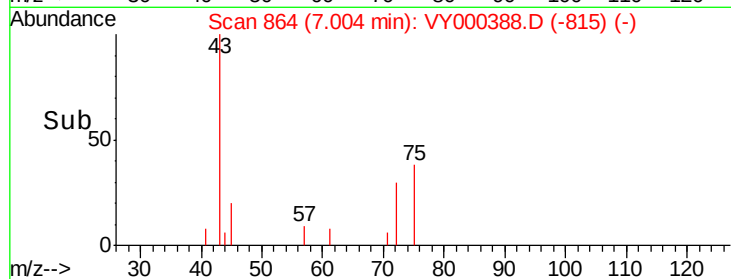
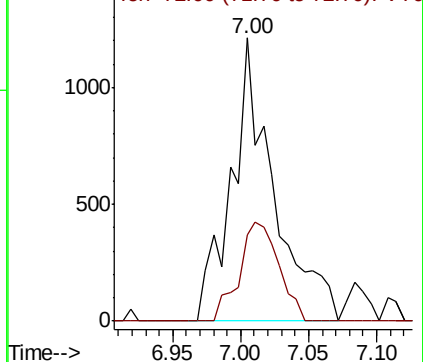
Ion Ratio Lower Upper

43 100

72 30.4 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: 1.024 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000388.D

Acq: 23 Oct 2019 17:55

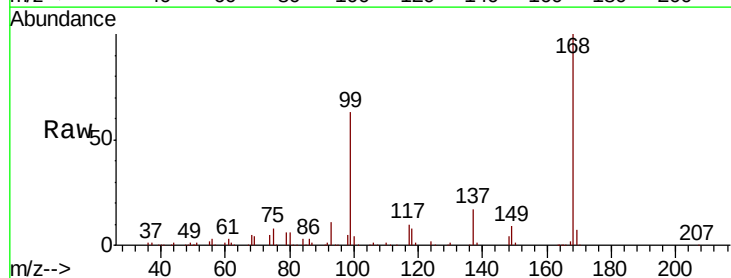
Tgt Ion: 56 Resp: 4693

Ion Ratio Lower Upper

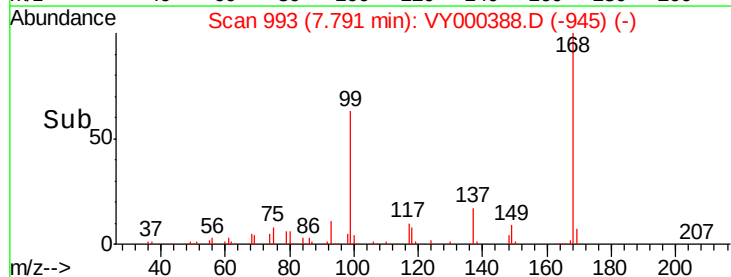
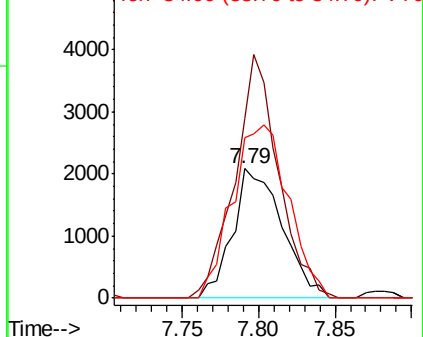
56 100

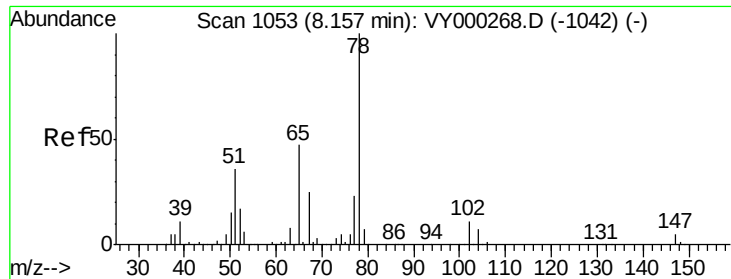
69 138.3 26.3 39.5#

84 123.9 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

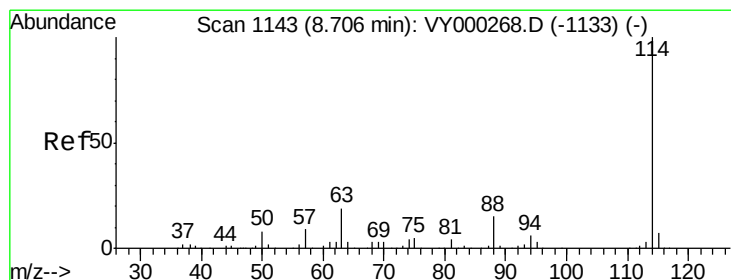
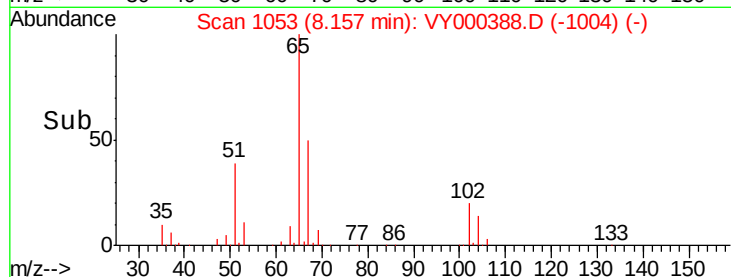
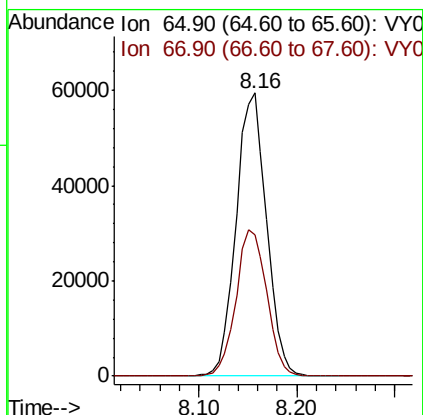
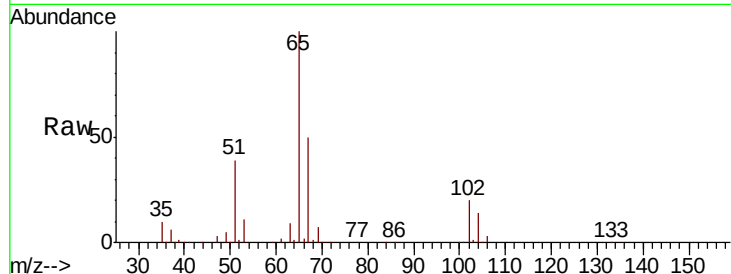




#33
 1,2-Dichloroethane-d4
 Concen: 53.701 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000388.D
 Acq: 23 Oct 2019 17:55

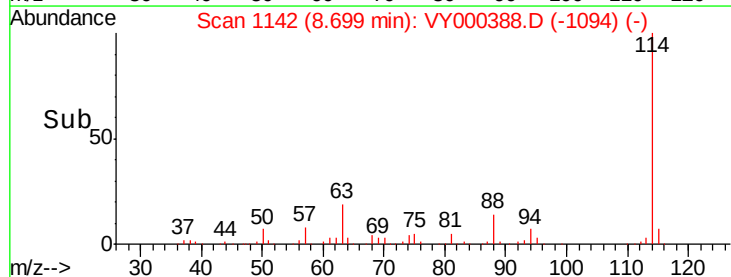
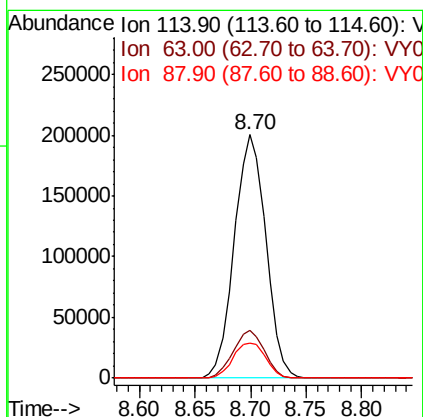
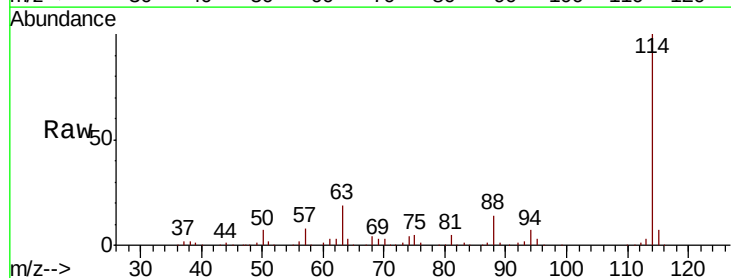
Instrument :
 MSVOA_Y
 ClientSampleId :

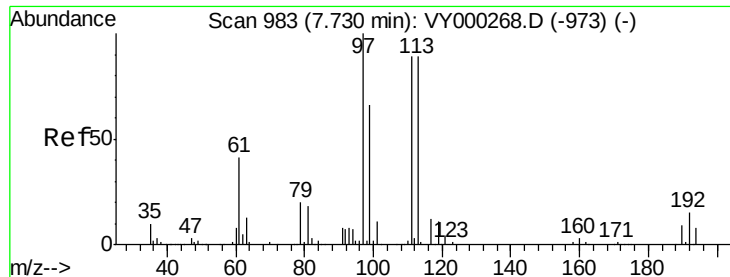
Tot Ion: 65 Resp: 128702
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000388.D
 Acq: 23 Oct 2019 17:55

Tgt Ion: 114 Resp: 394320
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.2
 88 14.2 0.0 30.2

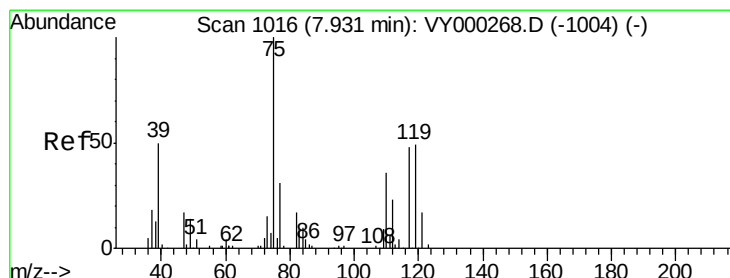
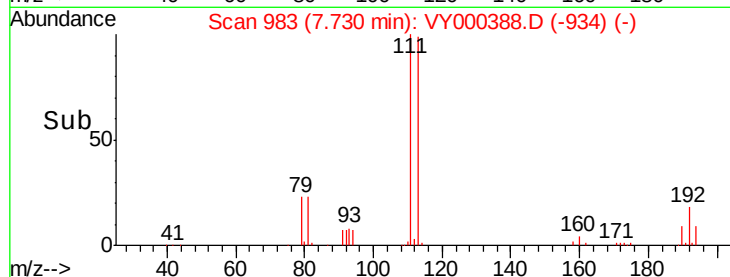
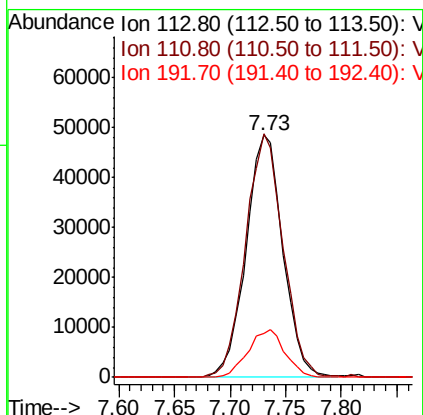
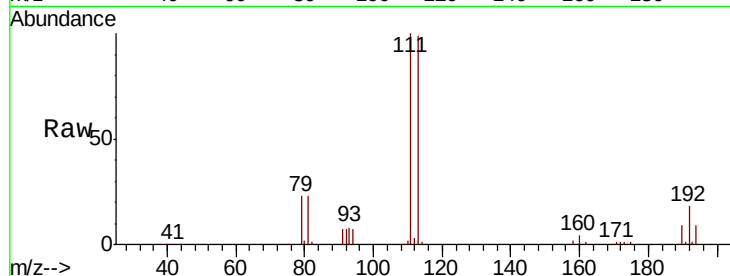




#35
 Dibromofluoromethane
 Concen: 46.996 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000388.D
 Acq: 23 Oct 2019 17:55

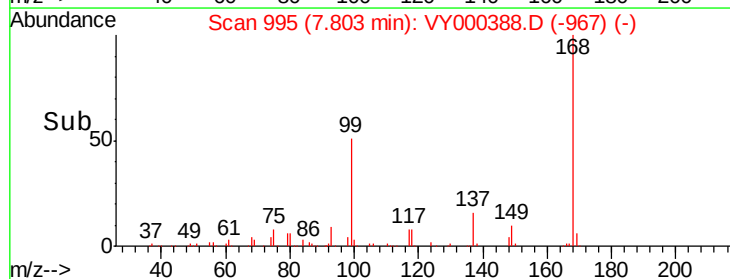
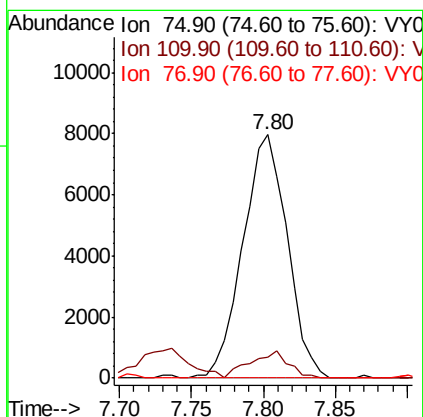
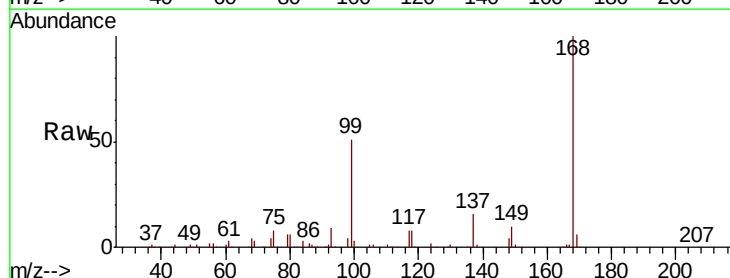
Instrument :
 MSVOA_Y
 ClientSampleId :

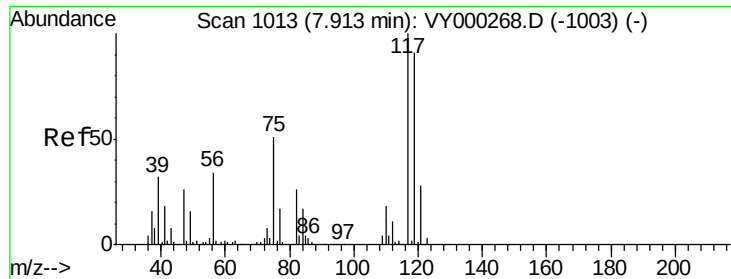
Tot Ion:113 Resp: 111783
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.6 122.4
 192 19.9 15.3 22.9



#36
 1,1-Dichloropropene
 Concen: 4.411 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.13 min
 Lab File: VY000388.D
 Acq: 23 Oct 2019 17:55

Tgt Ion: 75 Resp: 17031
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.4 55.4#
 77 0.0 25.0 37.6#

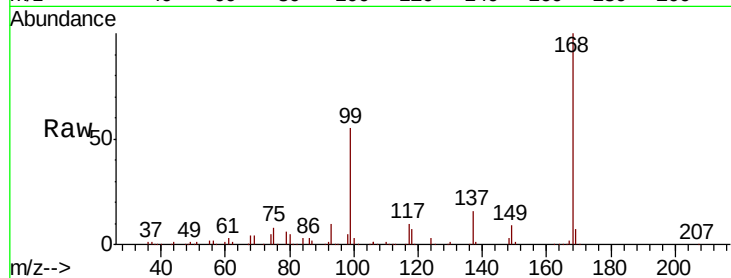




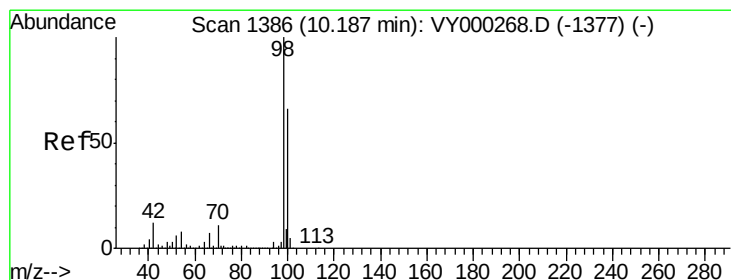
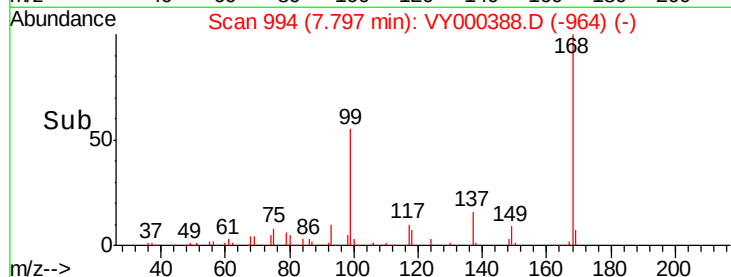
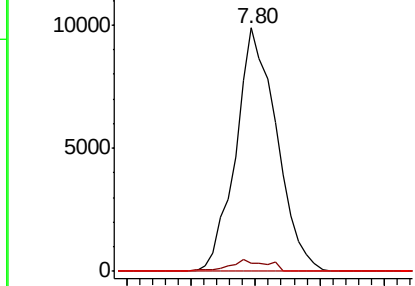
#38
Carbon Tetrachloride
Concen: 5.811 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000388.D
Acq: 23 Oct 2019 17:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 21723
Ion Ratio Lower Upper
117 100
119 3.2 72.8 109.2#
121 0.0 22.2 33.2#

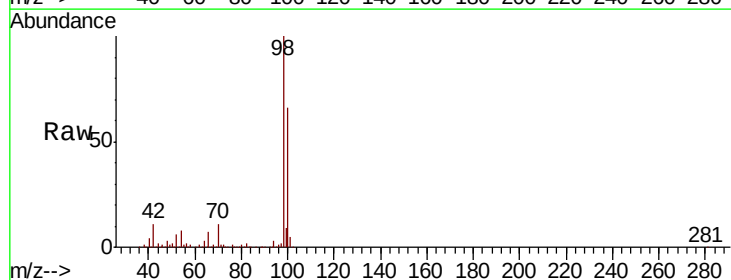


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

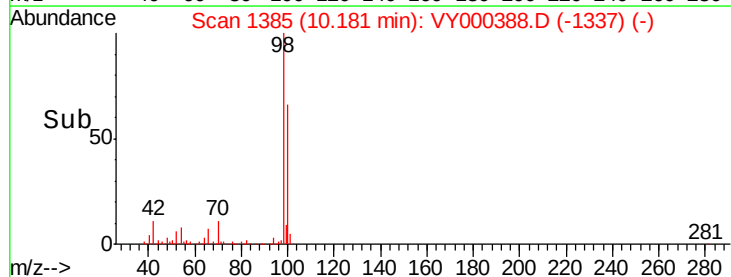
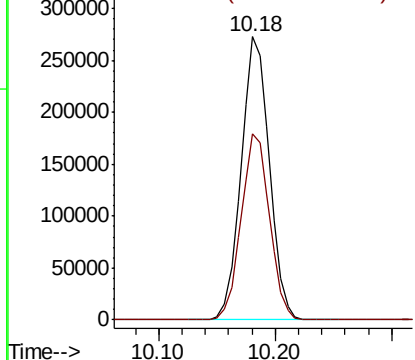


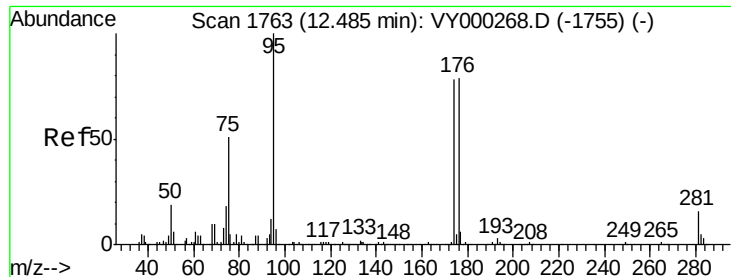
#50
Toluene-d8
Concen: 50.312 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000388.D
Acq: 23 Oct 2019 17:55

Tgt Ion: 98 Resp: 460342
Ion Ratio Lower Upper
98 100
100 66.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

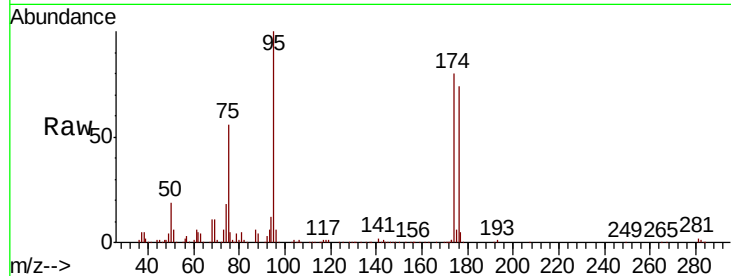




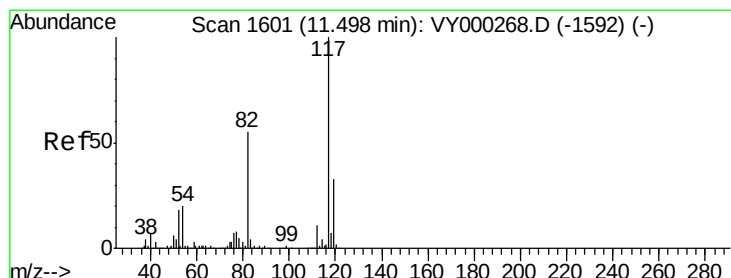
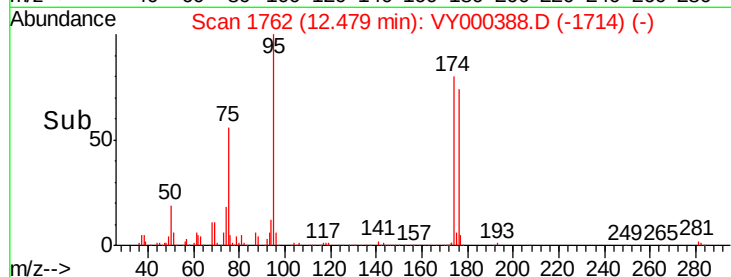
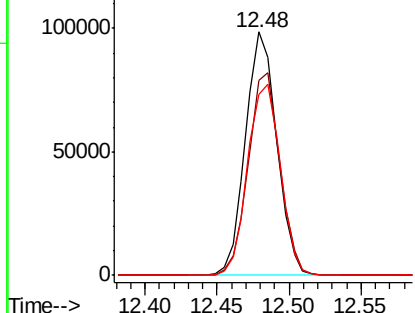
#62
4-Bromofluorobenzene
Concen: 42.663 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000388.D
Acq: 23 Oct 2019 17:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	159.6
176	81.9	0.0	153.8

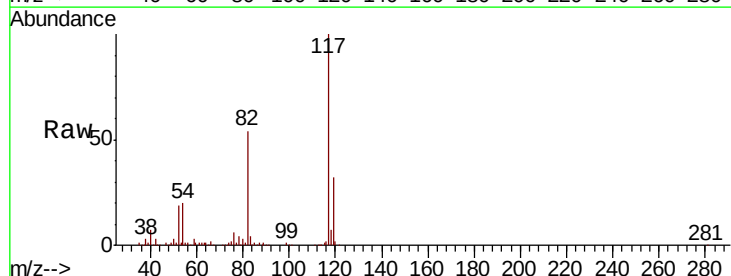


Abundance Ion 94.90 (94.60 to 95.60): VY000268.D (-1755) (-)
Ion 173.80 (173.50 to 174.50): VY000268.D (-1755) (-)
Ion 175.80 (175.50 to 176.50): VY000268.D (-1755) (-)

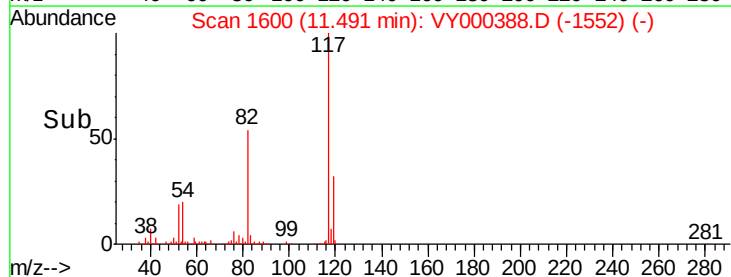
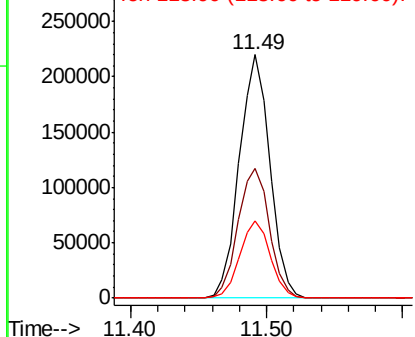


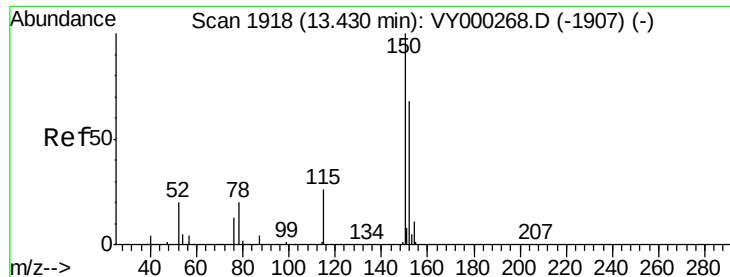
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000388.D
Acq: 23 Oct 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.7	65.5
119	31.7	26.6	39.8



Abundance Ion 116.90 (116.60 to 117.60): VY000268.D (-1592) (-)
Ion 82.00 (81.70 to 82.70): VY000268.D (-1592) (-)
Ion 118.90 (118.60 to 119.60): VY000268.D (-1592) (-)



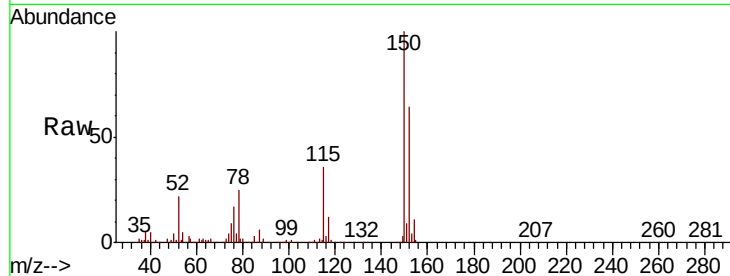


#72

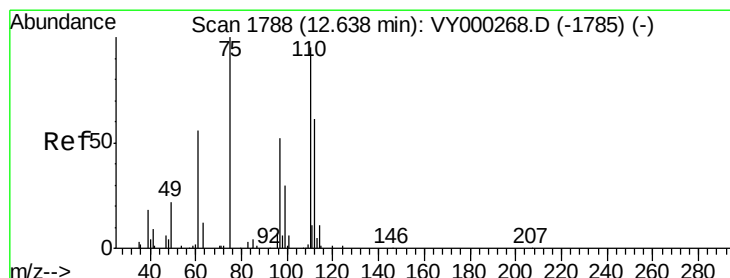
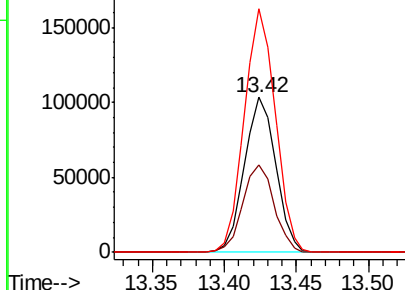
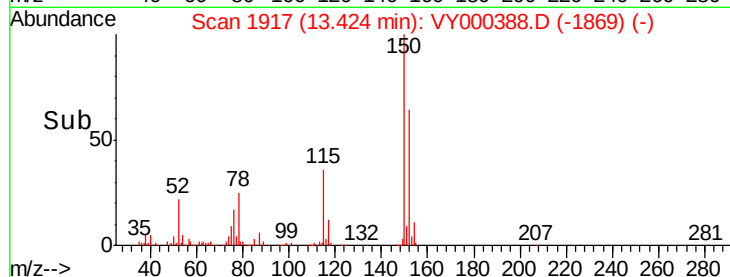
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000388.D
Acq: 23 Oct 2019 17:55

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 156088
Ion Ratio Lower Upper
152 100
115 56.6 29.3 88.0
150 155.3 0.0 348.4



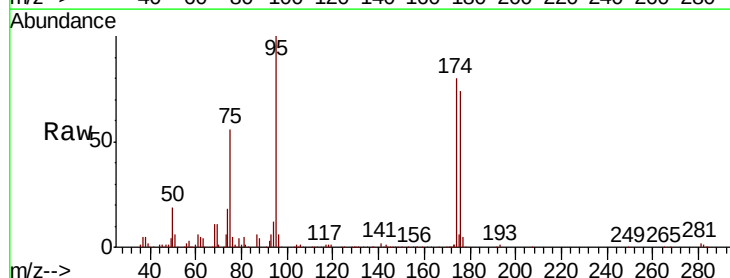
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



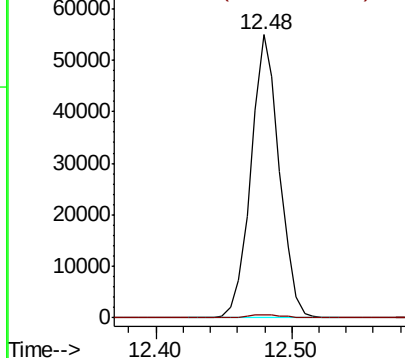
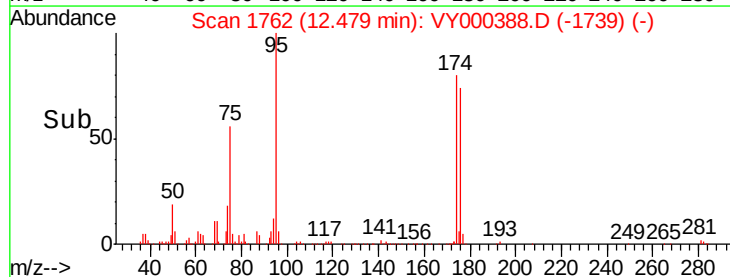
#76

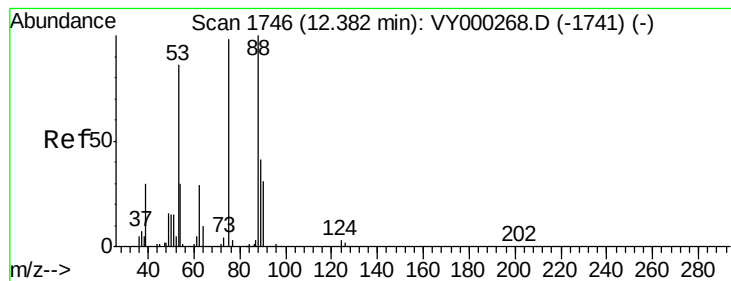
1,2,3-Trichloropropane
Concen: 41.762 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000388.D
Acq: 23 Oct 2019 17:55

Tgt Ion: 75 Resp: 80156
Ion Ratio Lower Upper
75 100
77 1.3 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: 91.374 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000388.D

Acq: 23 Oct 2019 17:55

Instrument :

MSVOA_Y

ClientSampleId :

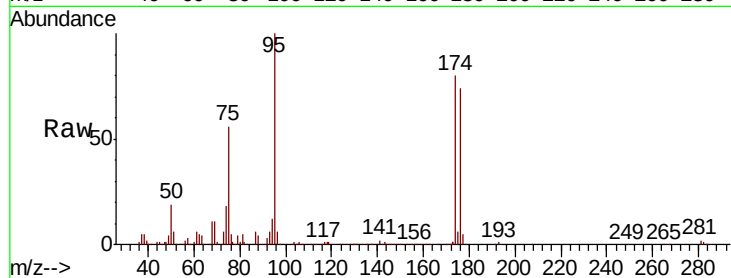
Tot Ion: 75 Resp: 80156

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 35.1 52.7#



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

