

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000454.D
 Acq On : 28 Oct 2019 15:01
 Operator : SY/MD
 Sample : K5564-05
 Misc : 6.39G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 10:45:29 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	200478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	332802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	257475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	76874	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	109673	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
35) Dibromofluoromethane	7.73	113	98420	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
50) Toluene-d8	10.18	98	379338	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.48	95	91513	31.19	ug/l	0.00
Spiked Amount			Recovery	=	62.38%	

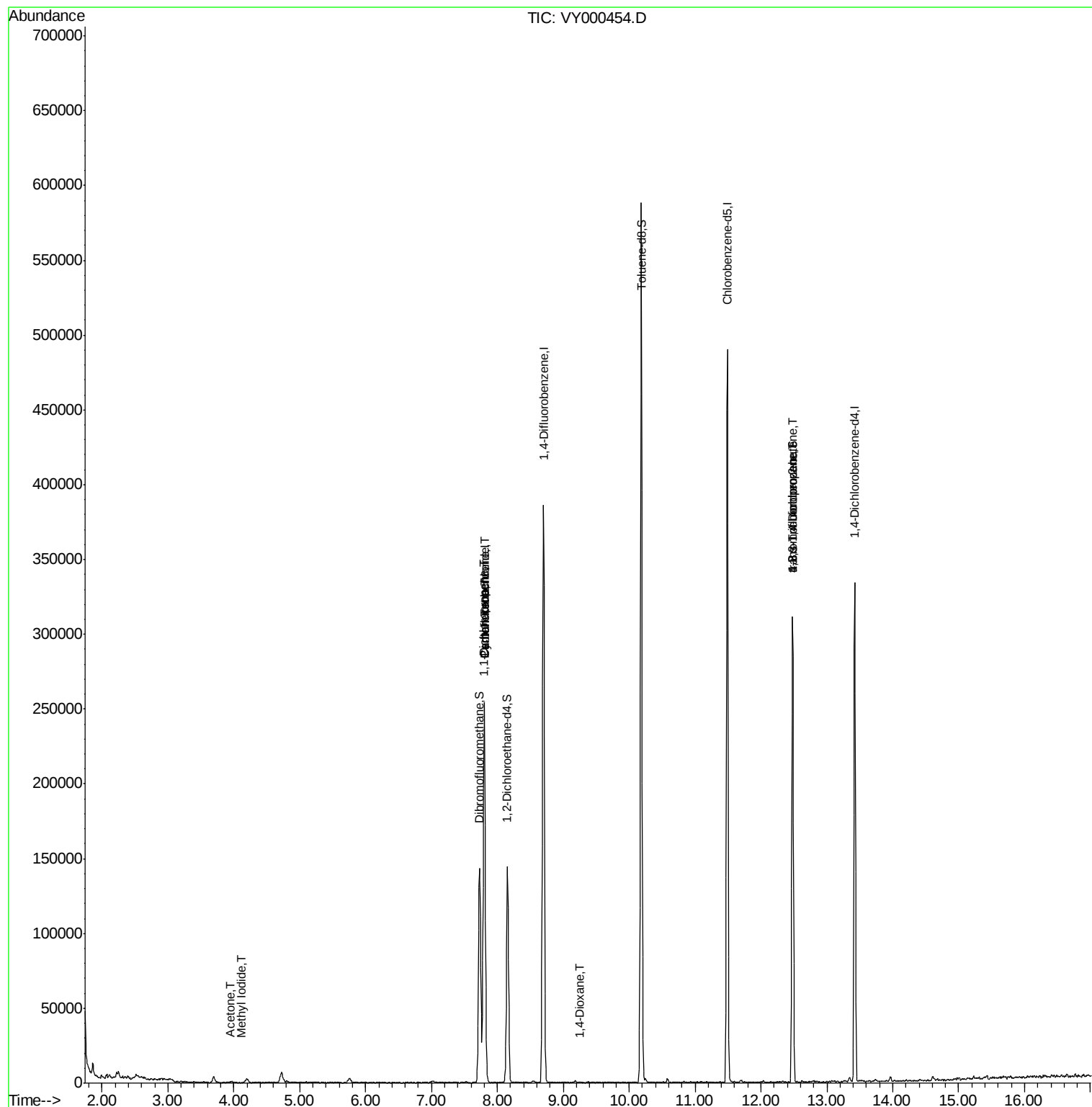
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.11	142	85	1.214	ug/l #	41
16) Acetone	3.95	43	1642	2.398	ug/l #	42
20) Methylene Chloride	4.73	84	4934	Below Cal		98
31) Cyclohexane	7.80	56	4683	1.157	ug/l #	41
36) 1,1-Dichloropropene	7.79	75	15666	4.808	ug/l #	49
38) Carbon Tetrachloride	7.80	117	19036	6.034	ug/l #	20
49) 1,4-Dioxane	9.24	88	34	1.755	ug/l #	24
76) 1,2,3-Trichloropropane	12.48	75	49599	52.470	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	49599	114.802	ug/l #	14

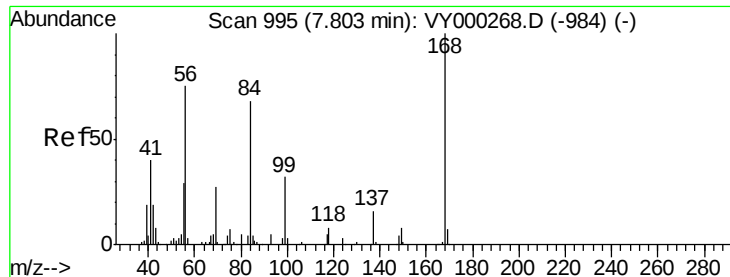
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000454.D

Acq: 28 Oct 2019 15:01

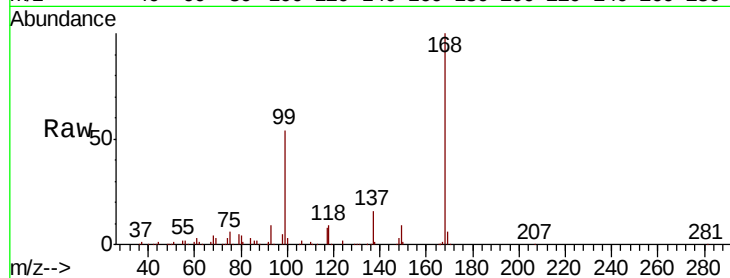
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 200478

Ion Ratio Lower Upper

168 100

99 53.8 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

100000

80000

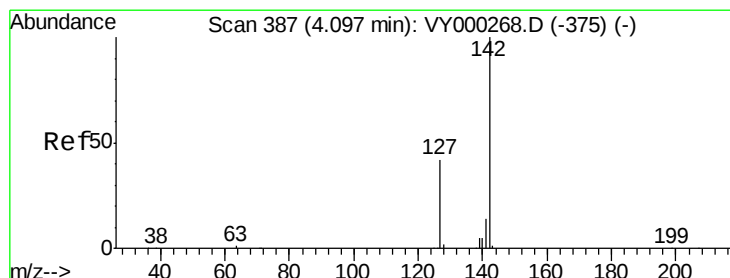
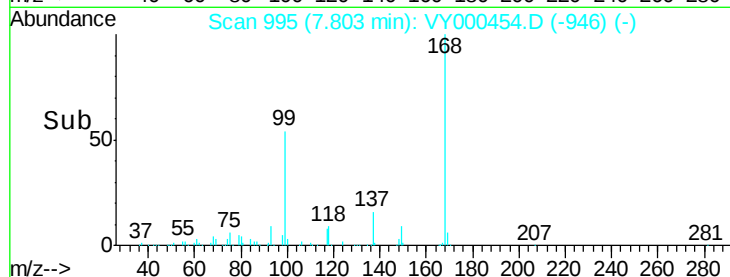
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 1.214 ug/l

RT: 4.11 min Scan# 390

Delta R.T. 0.02 min

Lab File: VY000454.D

Acq: 28 Oct 2019 15:01

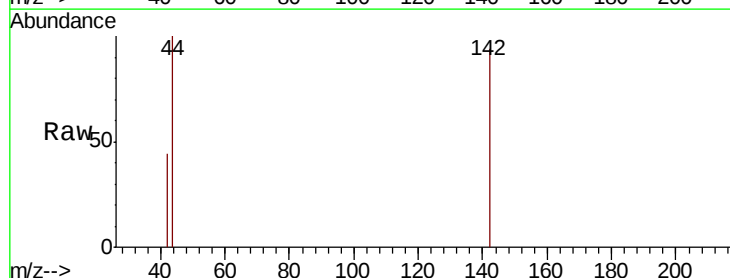
Tgt Ion:142 Resp: 85

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

4.11

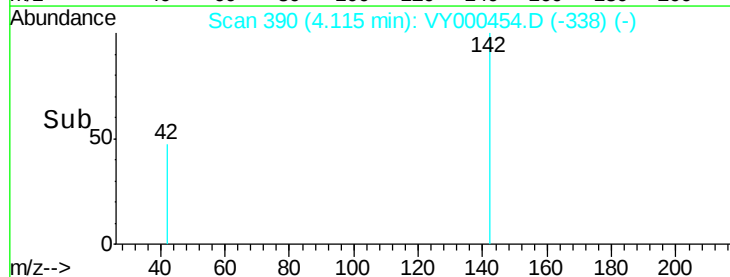
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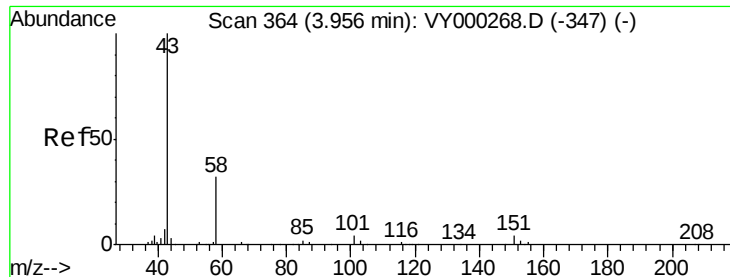
100

50

0

Time-->





#16

Acetone

Concen: 2.398 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000454.D

Acq: 28 Oct 2019 15:01

Instrument :

MSVOA_Y

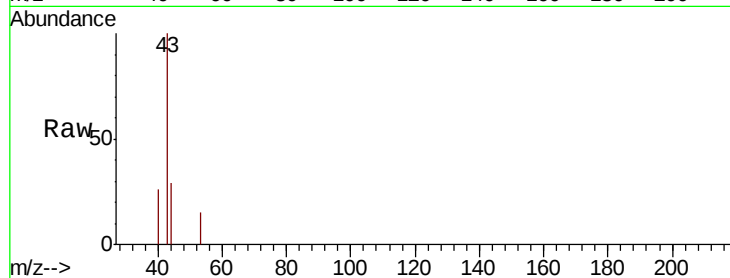
ClientSampleId :

Tot Ion: 43 Resp: 1642

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.95

600

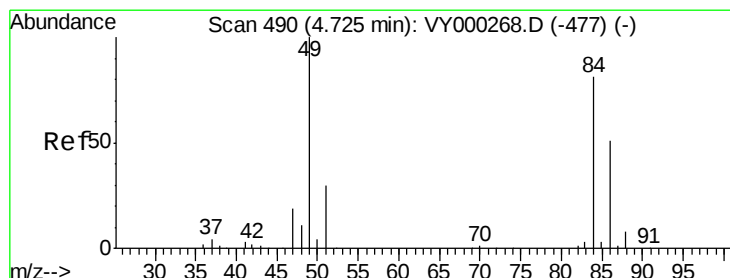
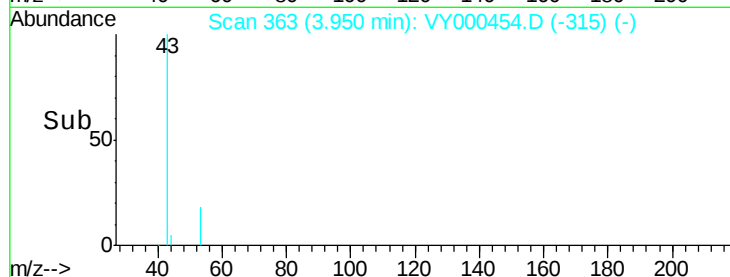
400

200

0

Time-->

3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: Below Cal

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000454.D

Acq: 28 Oct 2019 15:01

Tgt Ion: 84 Resp: 4934

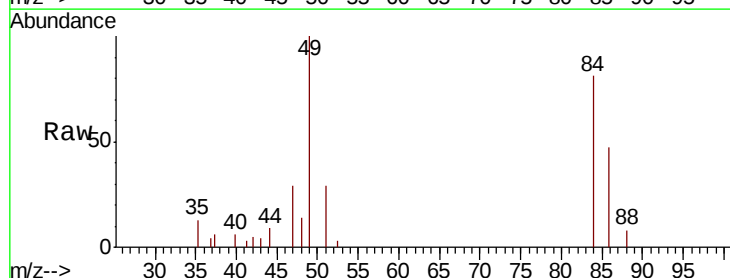
Ion Ratio Lower Upper

84 100

49 123.7 99.0 148.4

51 36.4 29.3 43.9

86 58.4 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

4.73

3000

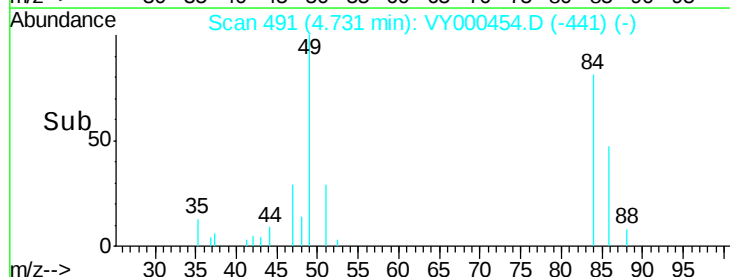
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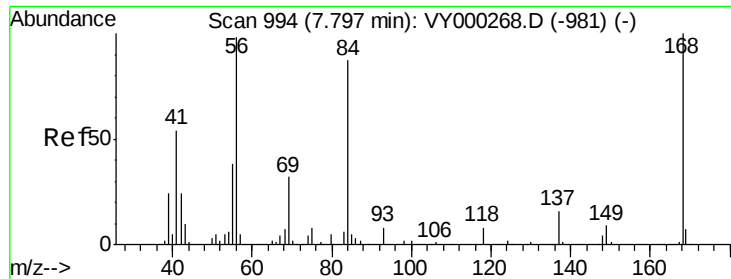
1000

0

Time-->

4.65 4.70 4.75 4.80

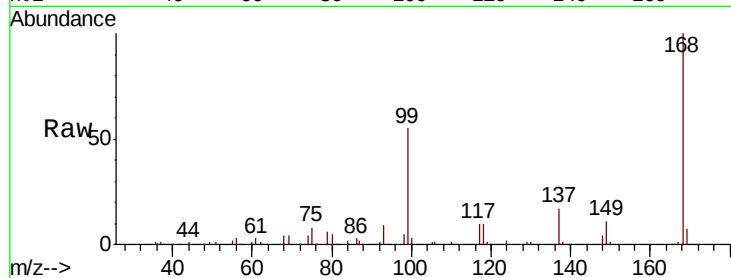




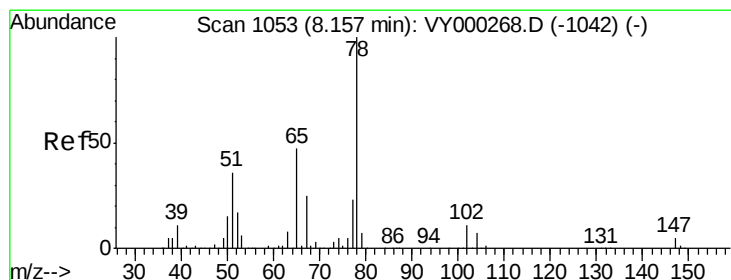
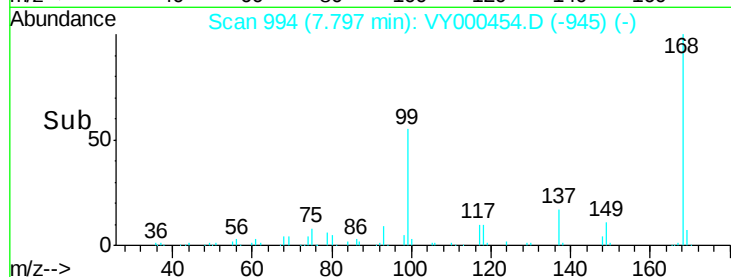
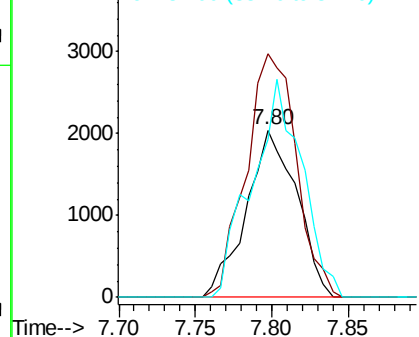
#31
Cyclohexane
Concen: 1.157 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000454.D
Acq: 28 Oct 2019 15:01

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4683
Ion Ratio Lower Upper
56 100
69 145.9 26.3 39.5#
84 94.5 70.8 106.2

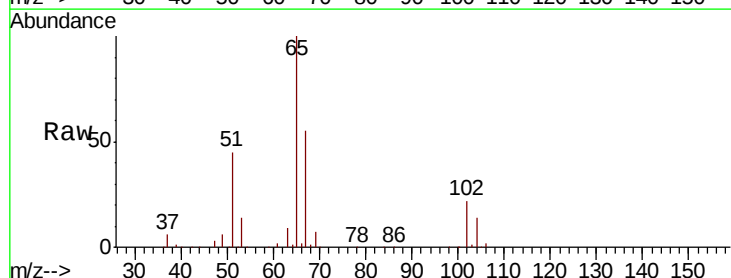


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

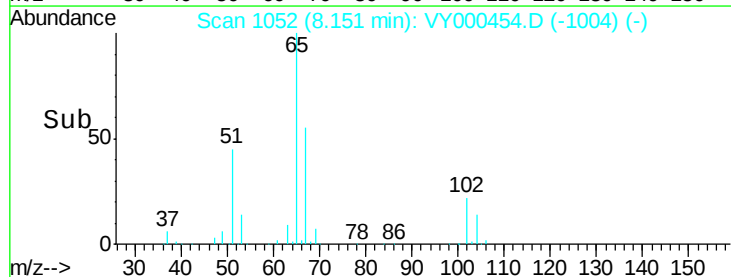
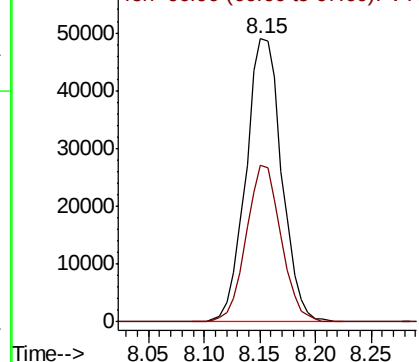


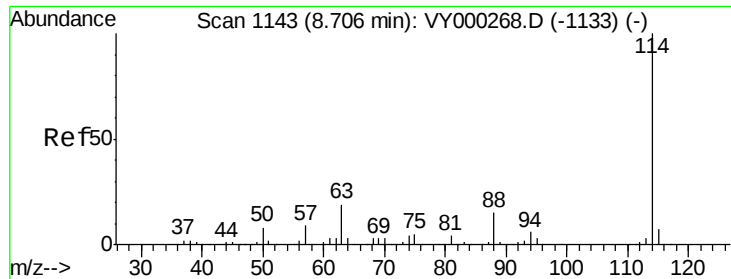
#33
1,2-Dichloroethane-d4
Concen: 51.861 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VY000454.D
Acq: 28 Oct 2019 15:01

Tgt Ion: 65 Resp: 109673
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.4



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

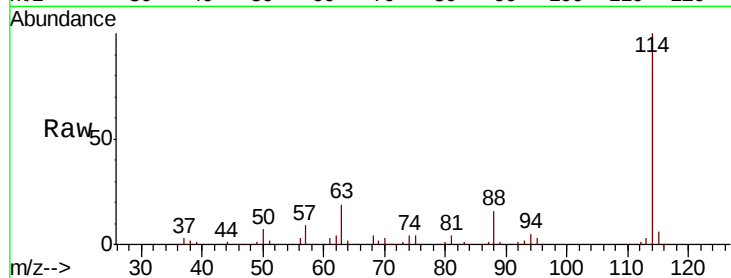




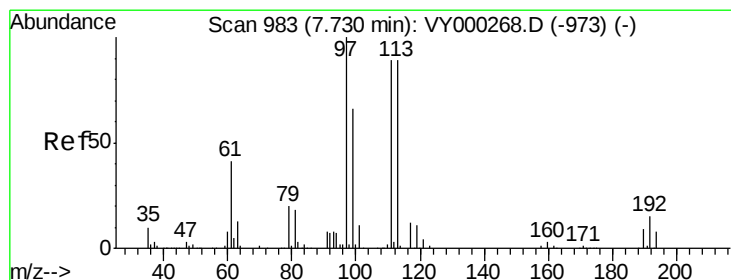
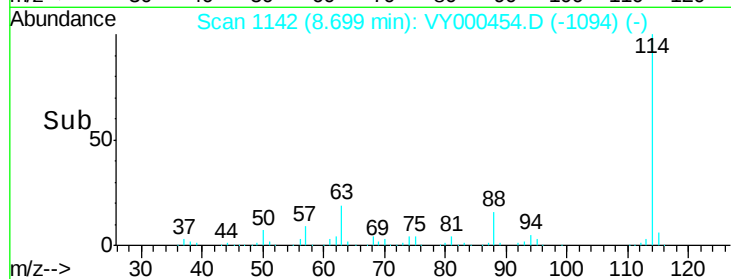
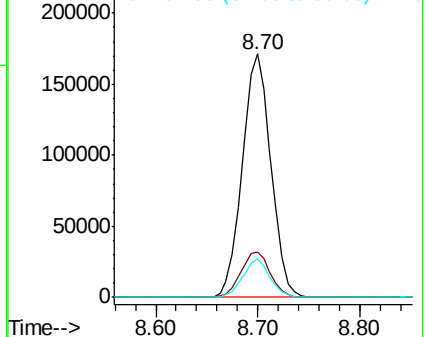
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000454.D
 Acq: 28 Oct 2019 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 332802
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.2
 88 16.0 0.0 30.2

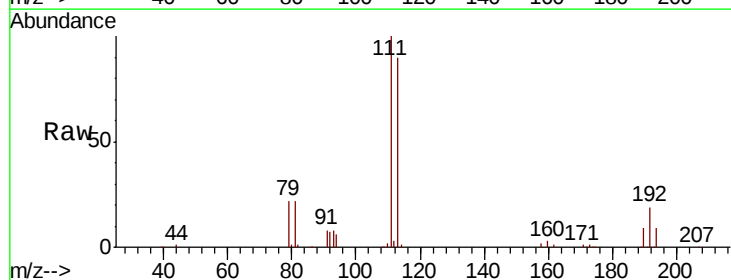


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

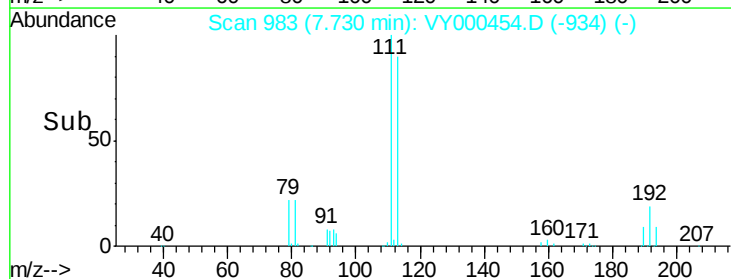
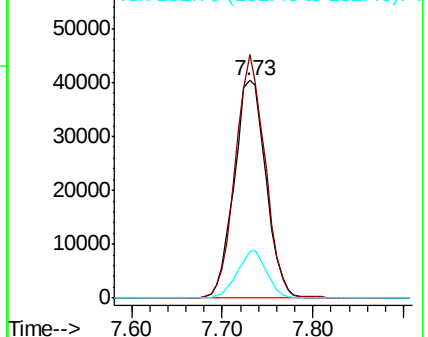


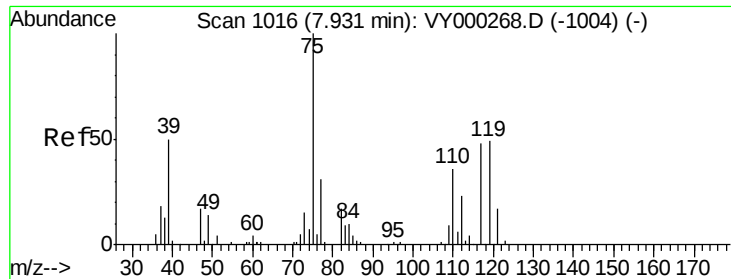
#35
 Dibromofluoromethane
 Concen: 49.026 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000454.D
 Acq: 28 Oct 2019 15:01

Tgt Ion:113 Resp: 98420
 Ion Ratio Lower Upper
 113 100
 111 104.5 81.6 122.4
 192 20.2 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

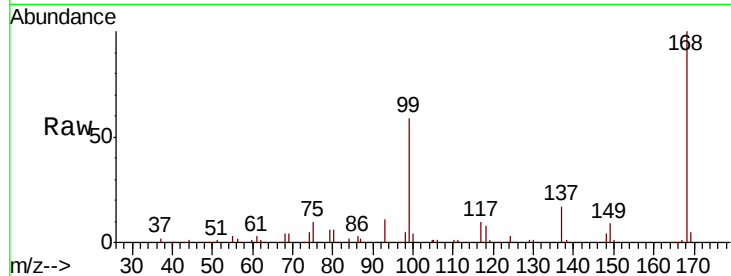




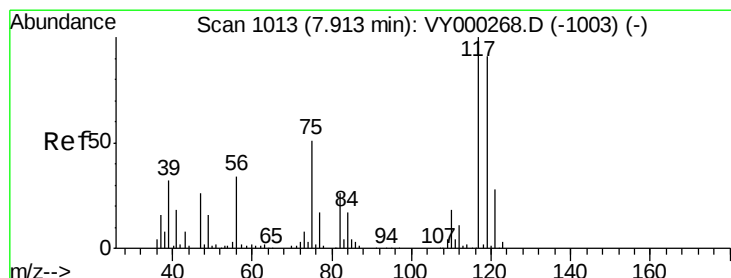
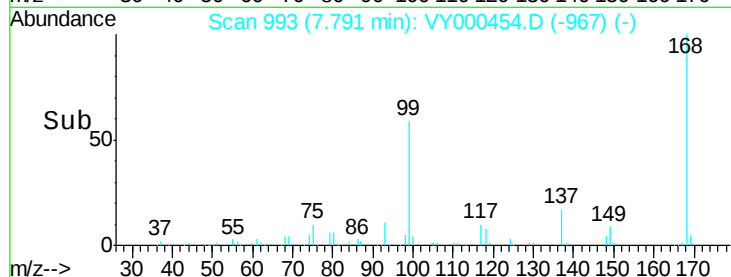
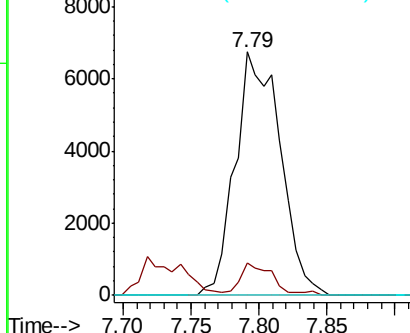
#36
 1,1-Dichloropropene
 Concen: 4.808 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY000454.D
 Acq: 28 Oct 2019 15:01

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion: 75 Resp: 15666
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.4 55.4#
 77 0.0 25.0 37.6#

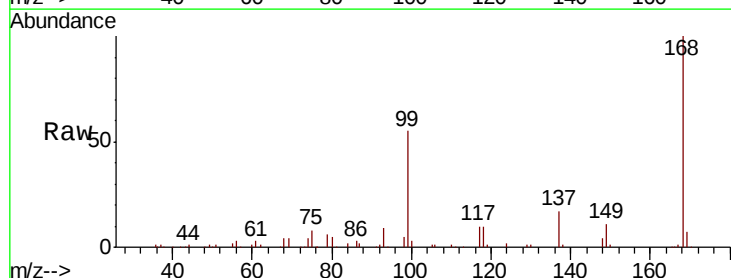


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

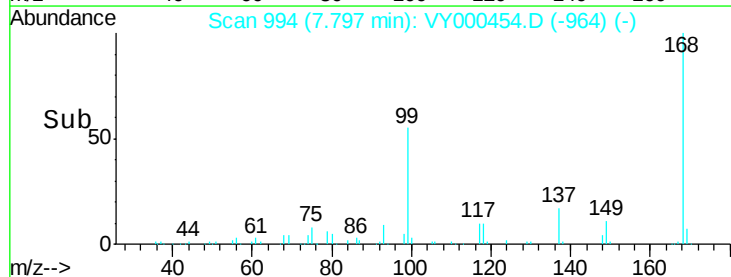
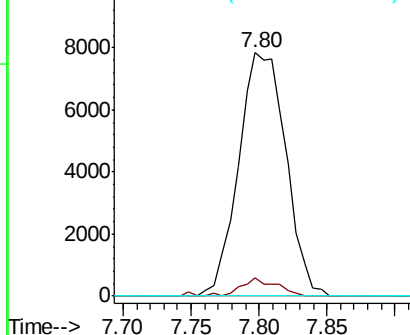


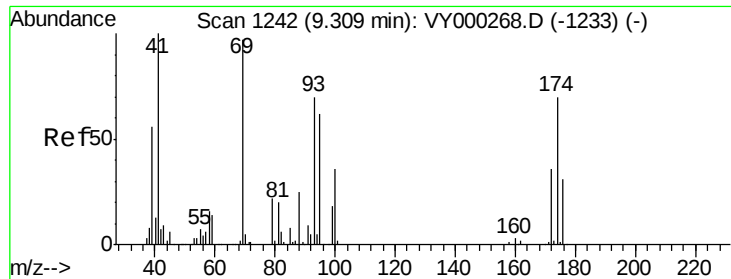
#38
 Carbon Tetrachloride
 Concen: 6.034 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000454.D
 Acq: 28 Oct 2019 15:01

Tgt Ion: 117 Resp: 19036
 Ion Ratio Lower Upper
 117 100
 119 7.5 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

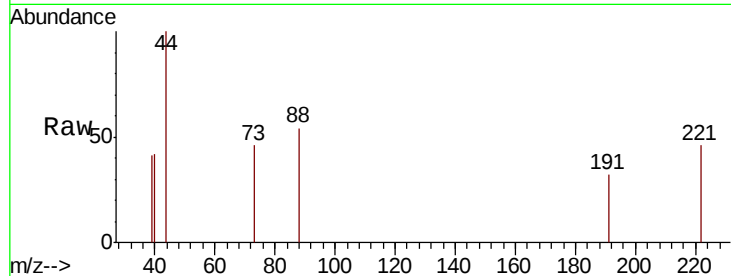




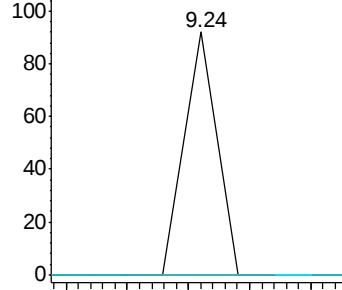
#49
 1,4-Dioxane
 Concen: 1.755 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. -0.07 min
 Lab File: VY000454.D
 Acq: 28 Oct 2019 15:01

Instrument :
 MSVOA_Y
 ClientSampleId :

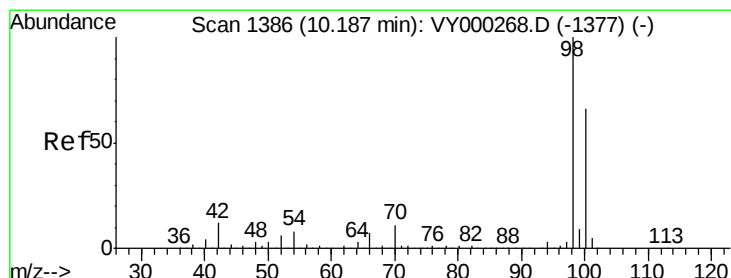
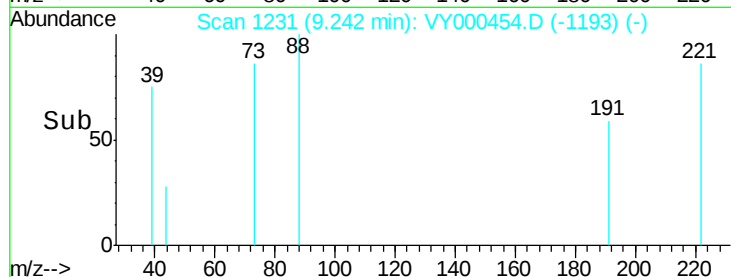
Tot Ion: 88 Resp: 34
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.6 38.4#
 58 0.0 54.6 81.8#



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

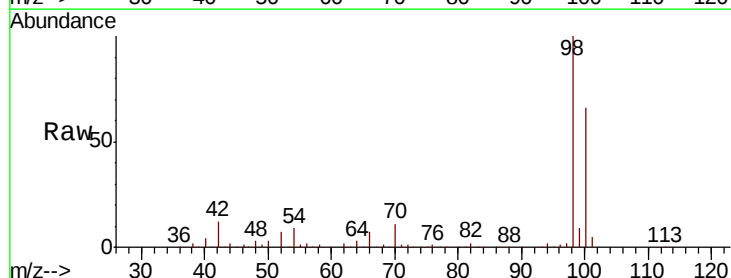


Time--> 9.22 9.23 9.24 9.25 9.26

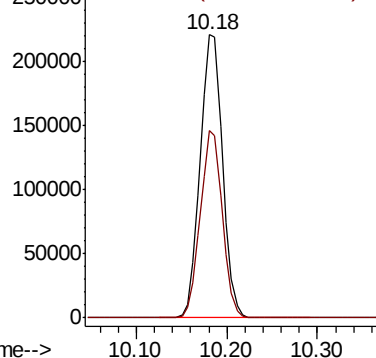


#50
 Toluene-d8
 Concen: 49.122 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: VY000454.D
 Acq: 28 Oct 2019 15:01

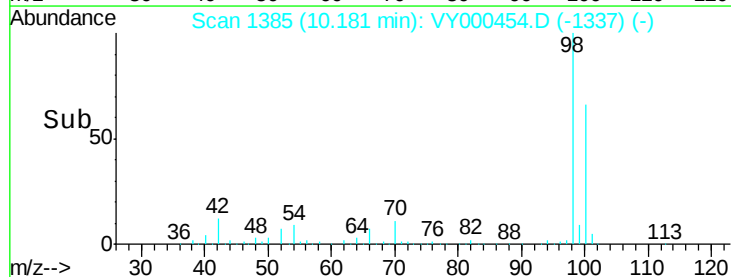
Tgt Ion: 98 Resp: 379338
 Ion Ratio Lower Upper
 98 100
 100 64.8 52.8 79.2

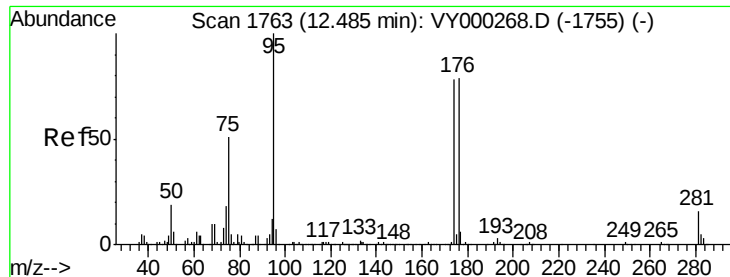


Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0



Time--> 10.10 10.20 10.30

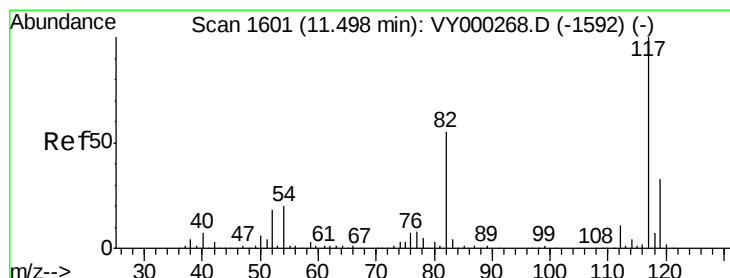
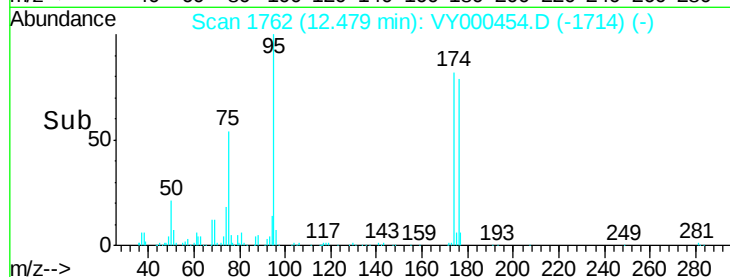
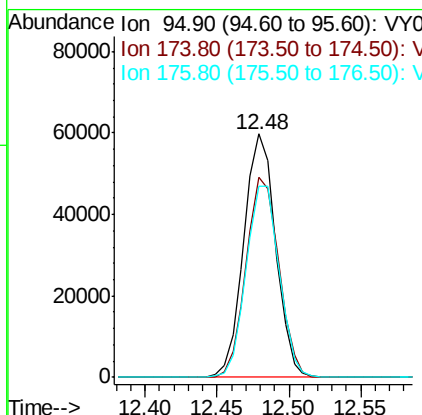
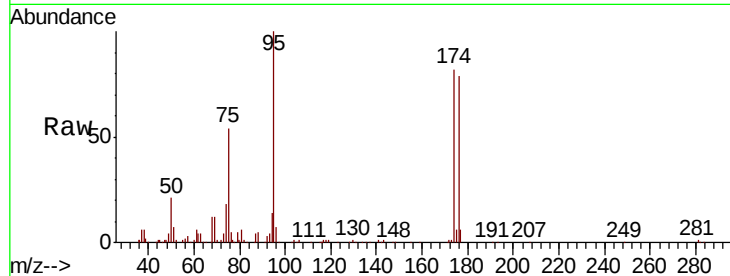




#62
4-Bromofluorobenzene
Concen: 31.193 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY000454.D
Acq: 28 Oct 2019 15:01

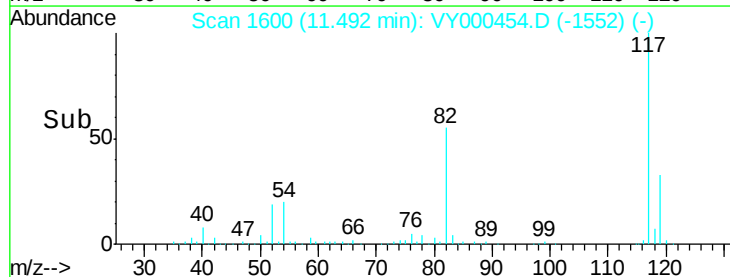
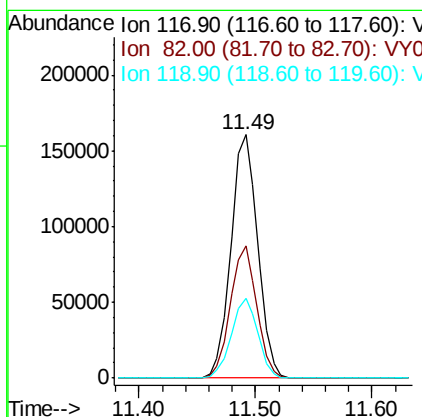
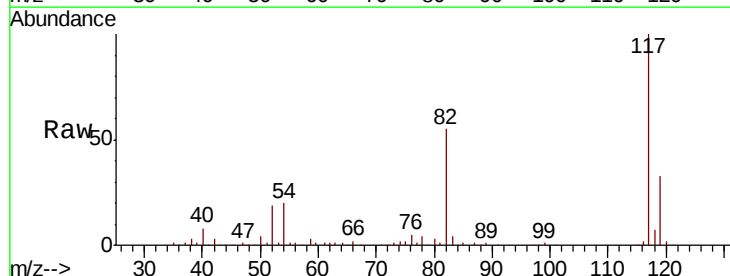
Instrument :
MSVOA_Y
ClientSampleId :

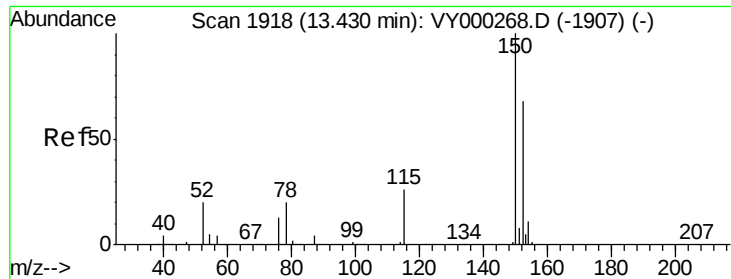
Tot Ion	95	Resp	91513
Ion Ratio	Lower	Upper	
95	100		
174	84.3	0.0	159.6
176	81.7	0.0	153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000454.D
Acq: 28 Oct 2019 15:01

Tgt Ion	117	Resp	257475
Ion Ratio	Lower	Upper	
117	100		
82	54.5	43.7	65.5
119	32.8	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: VY000454.D

Acq: 28 Oct 2019 15:01

Instrument :

MSVOA_Y

ClientSampleId :

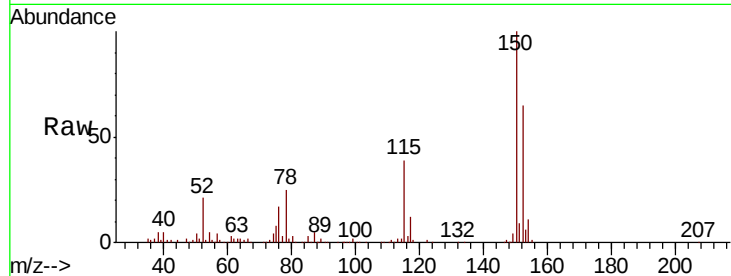
Tot Ion:152 Resp: 76874

Ion Ratio Lower Upper

152 100

115 60.1 29.3 88.0

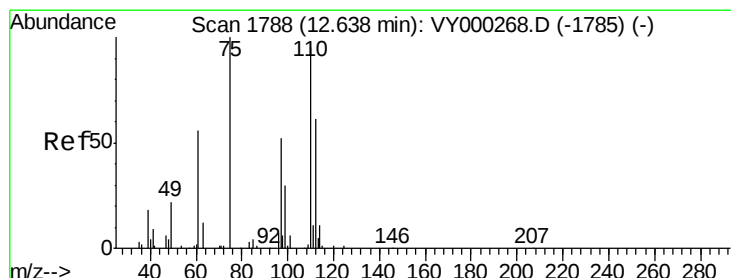
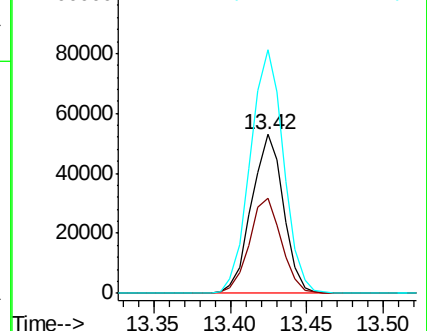
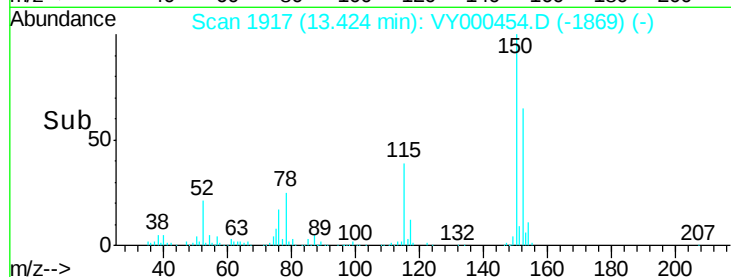
150 160.6 0.0 348.4



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: 52.470 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY000454.D

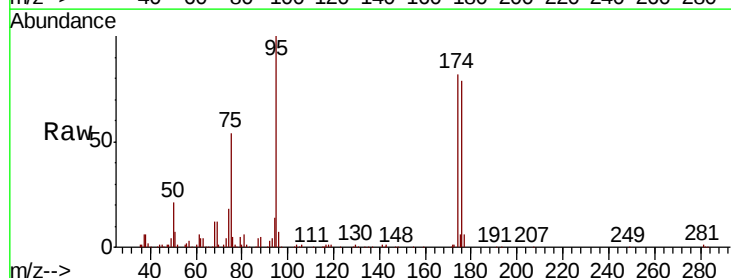
Acq: 28 Oct 2019 15:01

Tgt Ion: 75 Resp: 49599

Ion Ratio Lower Upper

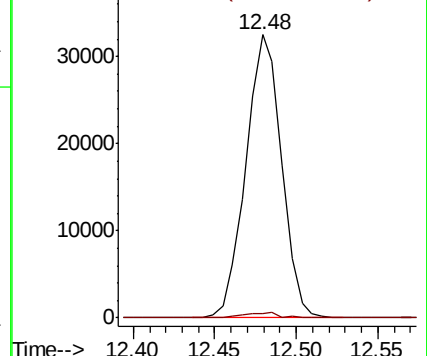
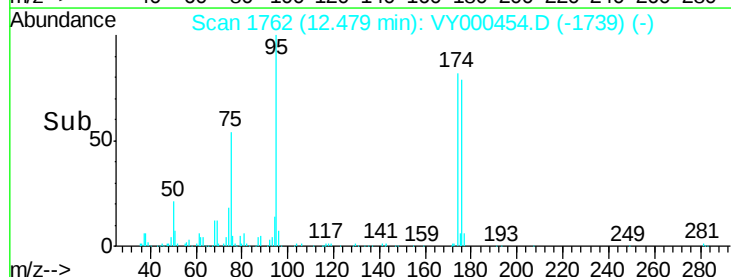
75 100

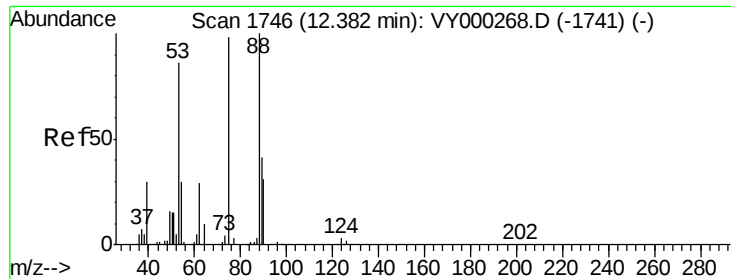
77 1.7 0.0 0.0#



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: 114.802 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000454.D

Acq: 28 Oct 2019 15:01

Instrument :

MSVOA_Y

ClientSampleId :

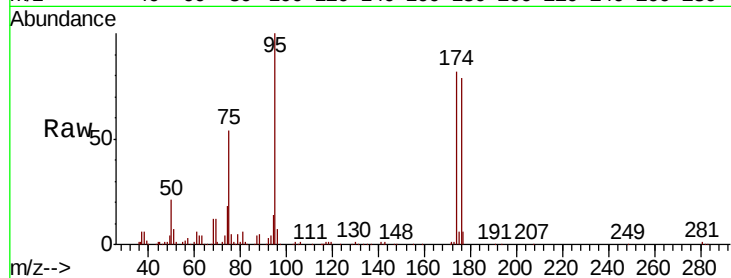
Tot Ion: 75 Resp: 49599

Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.1 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

