

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000391.D
 Acq On : 23 Oct 2019 19:05
 Operator : SY/MD
 Sample : K5500-10
 Misc : 6.83G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 24 04:48:20 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	213418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	367127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	310537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	125344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	123405	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.73	113	104632	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	10.18	98	418996	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.48	95	132535	40.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.90%	

Target Compounds

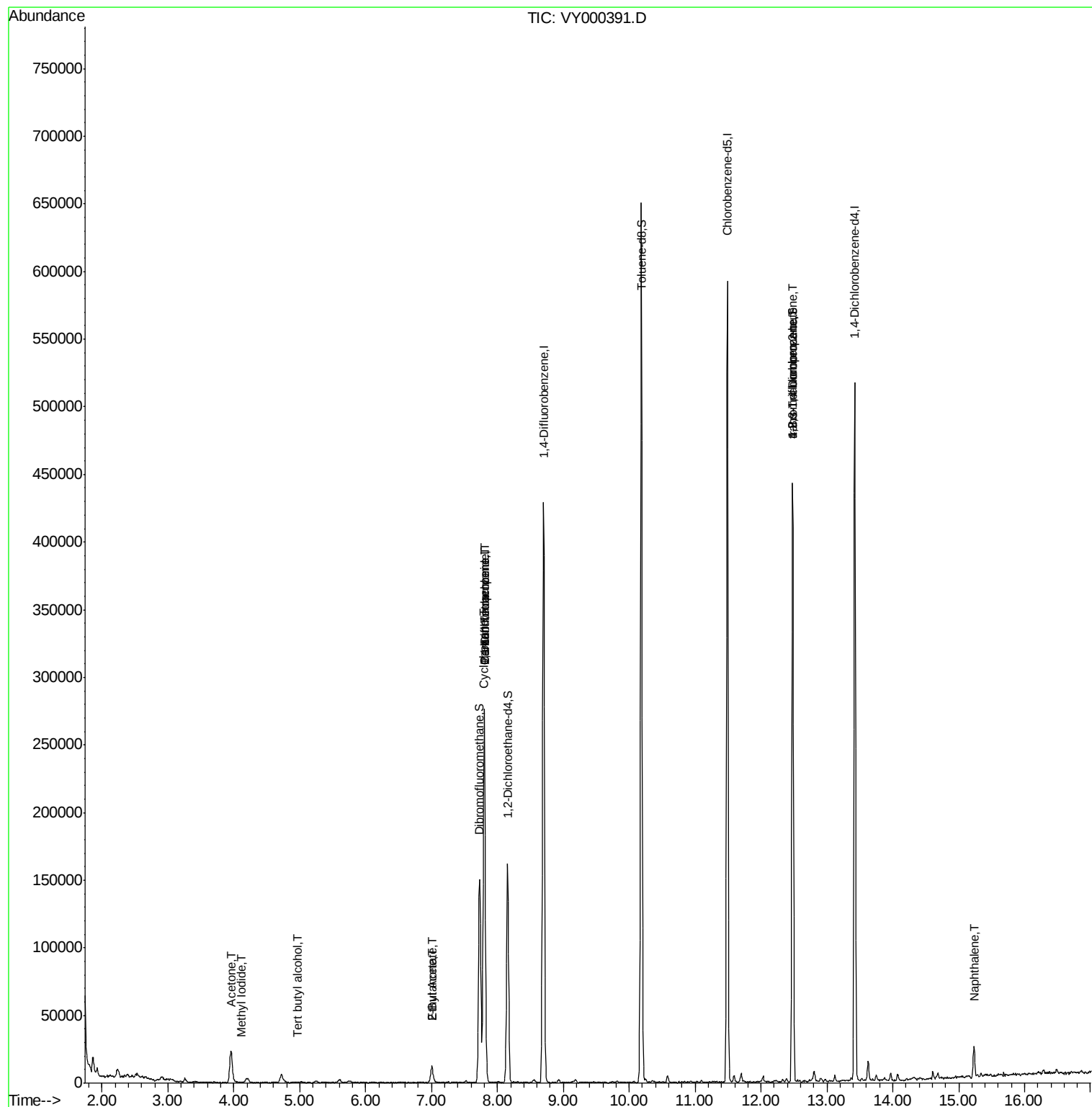
					Qvalue	
10) Methyl Iodide	4.11	142	62	1.205	ug/l #	41
11) Tert butyl alcohol	4.97	59	410	1.740	ug/l #	73
16) Acetone	3.96	43	39293	53.897	ug/l	95
20) Methylene Chloride	4.72	84	4301	Below Cal	#	67
25) 2-Butanone	7.01	43	19368	18.859	ug/l	98
31) Cyclohexane	7.79	56	5327	1.237	ug/l #	41
36) 1,1-Dichloropropene	7.80	75	16177	4.501	ug/l #	50
37) Ethyl Acetate	7.01	43	19368	9.100	ug/l #	67
38) Carbon Tetrachloride	7.80	117	21466	6.168	ug/l #	19
76) 1,2,3-Trichloropropane	12.48	75	68704	44.575	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	68704	97.529	ug/l #	14
95) Naphthalene	15.23	128	17829	2.959	ug/l	99

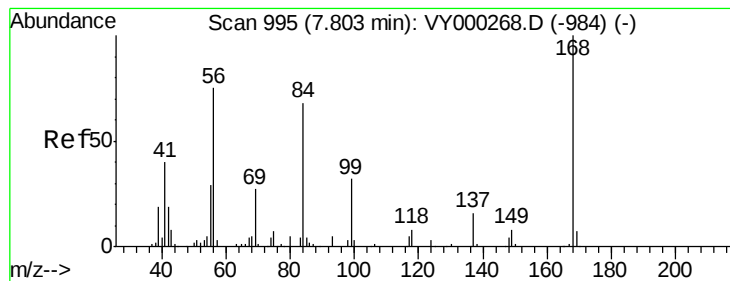
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000391.D

Acq: 23 Oct 2019 19:05

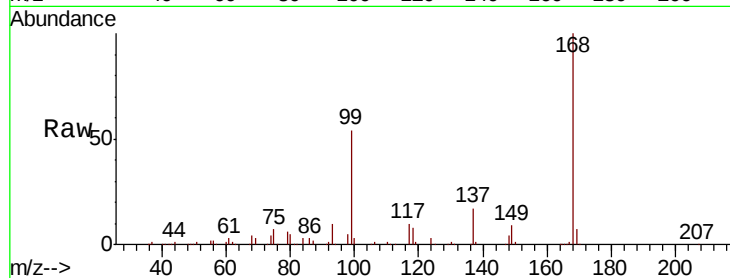
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 213418

Ion Ratio Lower Upper

168 100

99 53.6 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

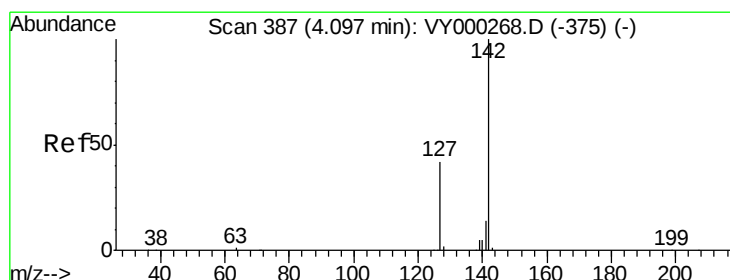
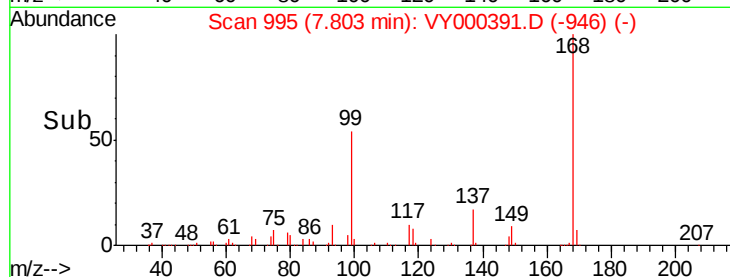
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 1.205 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000391.D

Acq: 23 Oct 2019 19:05

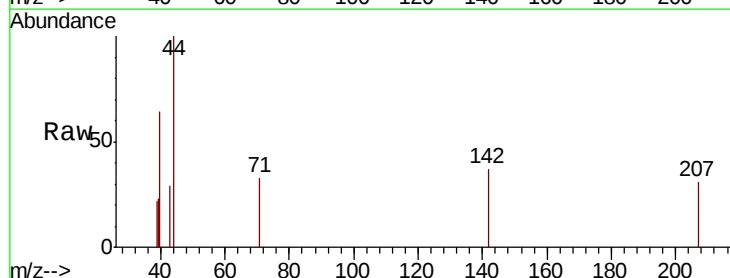
Tgt Ion:142 Resp: 62

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

120

100

80

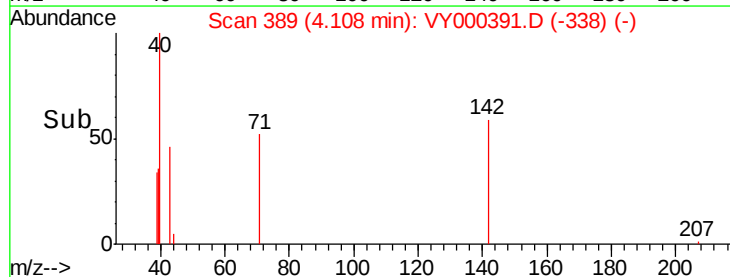
60

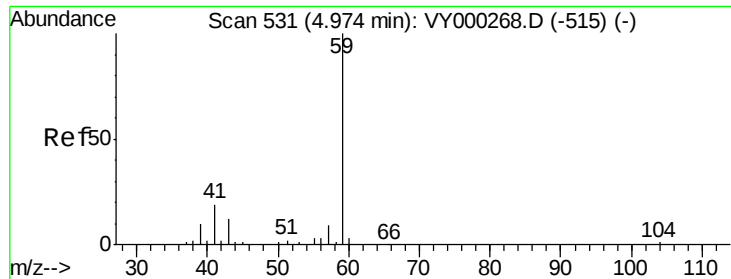
40

20

0

Time-->



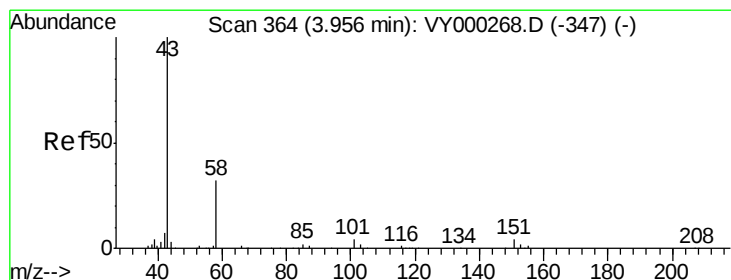
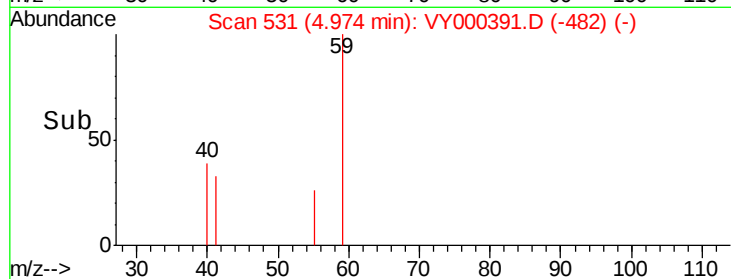
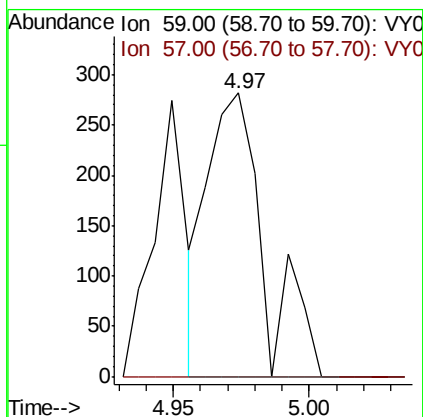
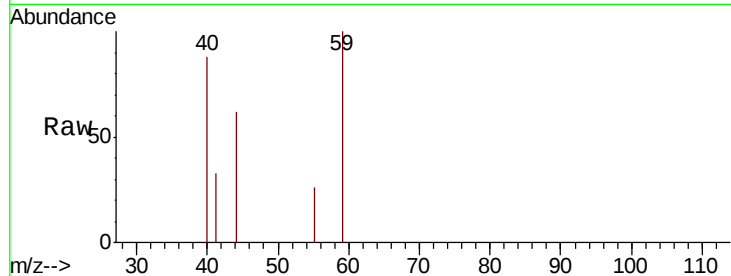


#11

Tert butyl alcohol
 Concen: 1.740 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VY000391.D
 Acq: 23 Oct 2019 19:05

Instrument :
 MSVOA_Y
 ClientSampleId :

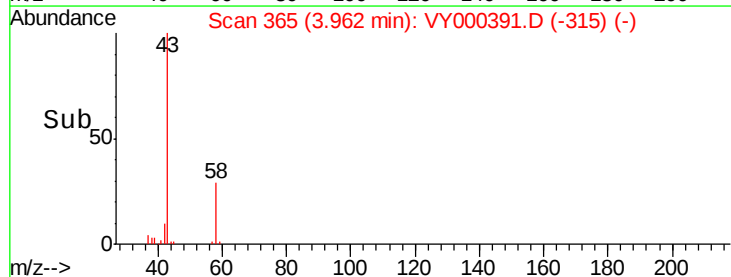
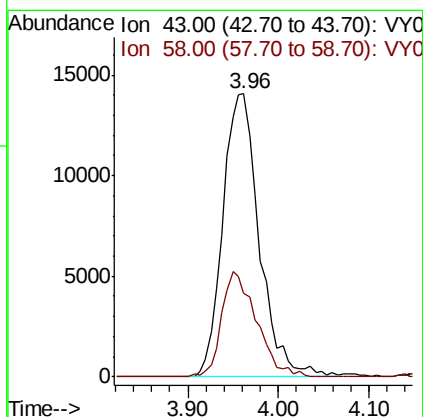
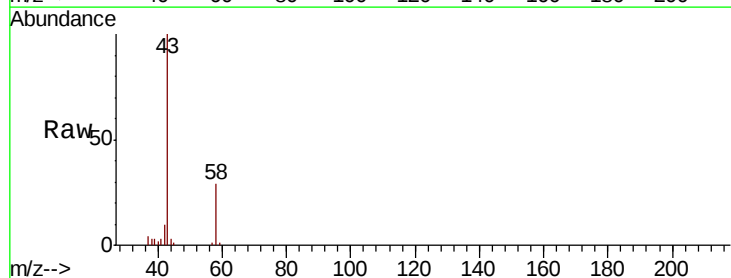
Tot Ion: 59 Resp: 410
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

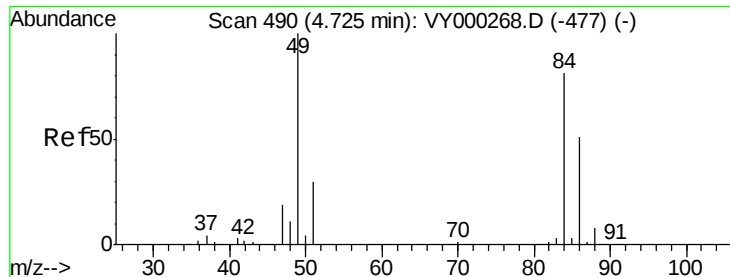


#16

Acetone
 Concen: 53.897 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000391.D
 Acq: 23 Oct 2019 19:05

Tgt Ion: 43 Resp: 39293
 Ion Ratio Lower Upper
 43 100
 58 29.5 25.8 38.6

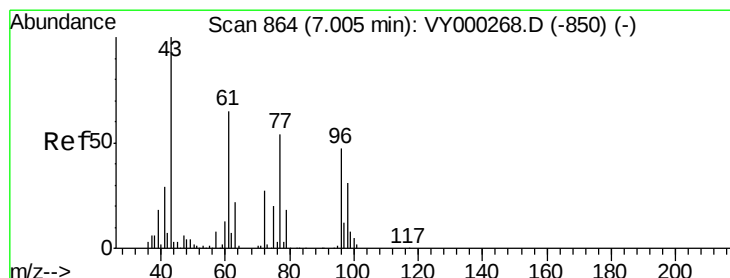
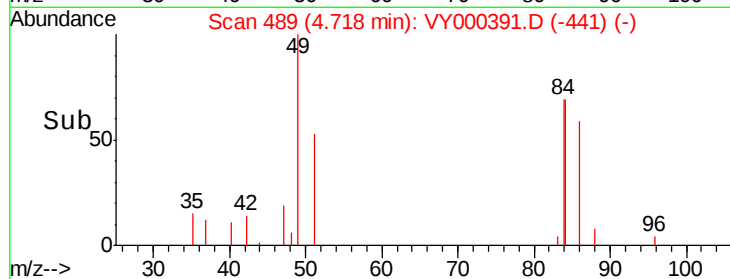
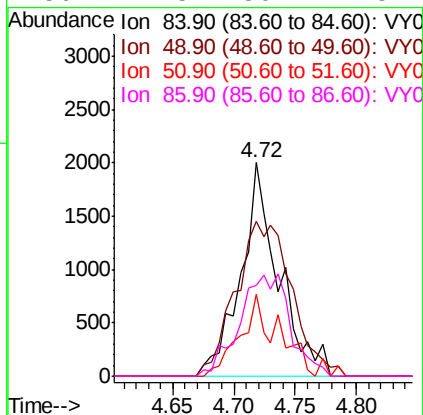
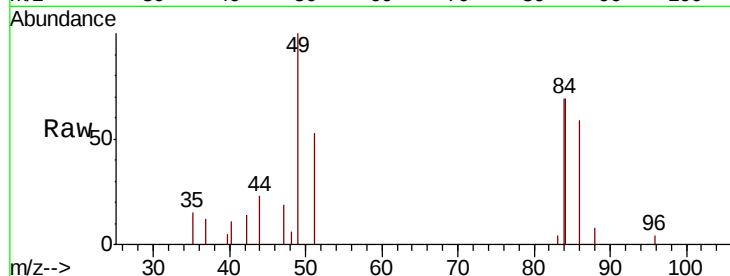




#20
Methylene Chloride
Concen: Below Cal
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000391.D
Acq: 23 Oct 2019 19:05

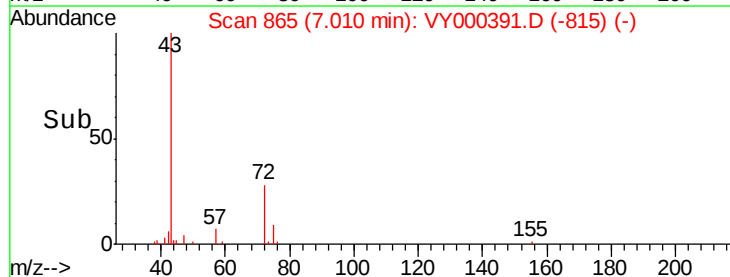
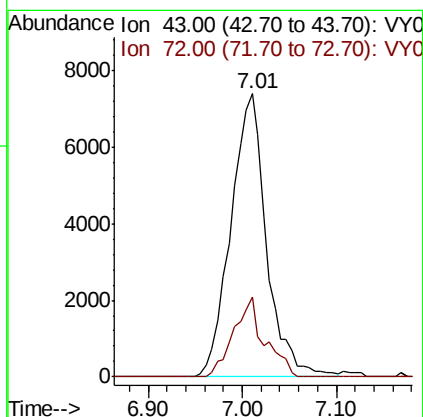
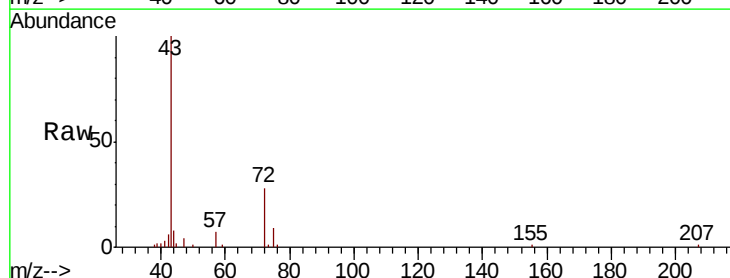
Instrument :
MSVOA_Y
ClientSampled :

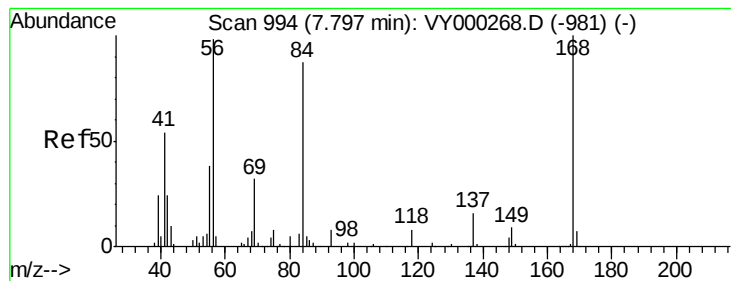
Tot Ion: 84 Resp: 4301
Ion Ratio Lower Upper
84 100
49 72.4 99.0 148.4#
51 38.2 29.3 43.9
86 42.5 50.2 75.4#



#25
2-Butanone
Concen: 18.859 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000391.D
Acq: 23 Oct 2019 19:05

Tgt Ion: 43 Resp: 19368
Ion Ratio Lower Upper
43 100
72 28.0 21.4 32.2





#31

Cyclohexane

Concen: 1.237 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

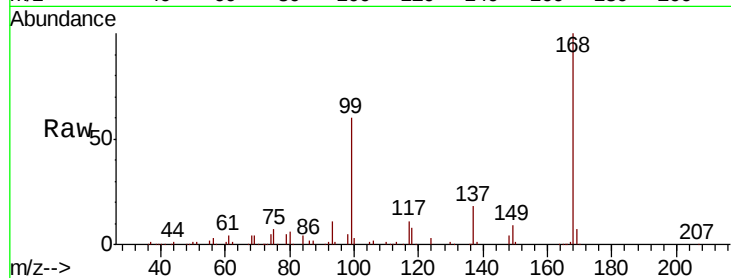
Lab File: VY000391.D

Acq: 23 Oct 2019 19:05

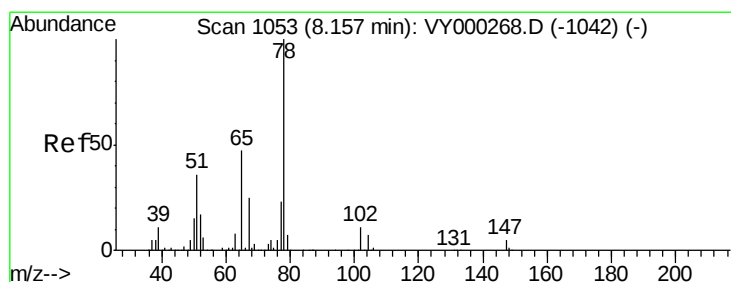
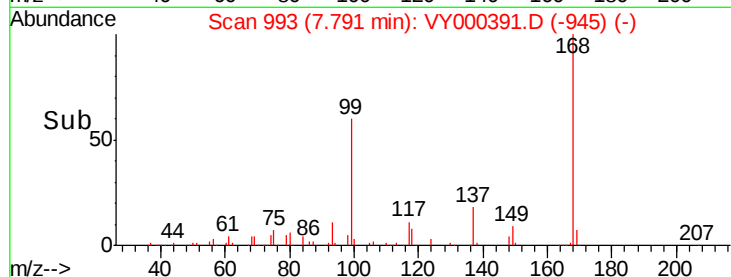
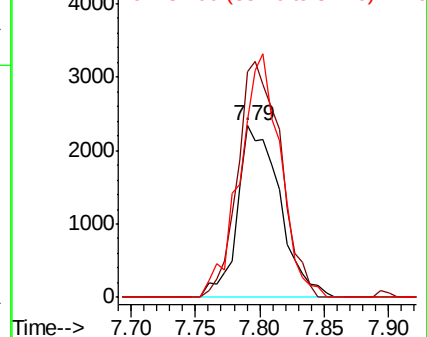
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5327

Ion	Ratio	Lower	Upper
56	100		
69	131.5	26.3	39.5#
84	103.6	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: 54.817 ug/l

RT: 8.15 min Scan# 1052

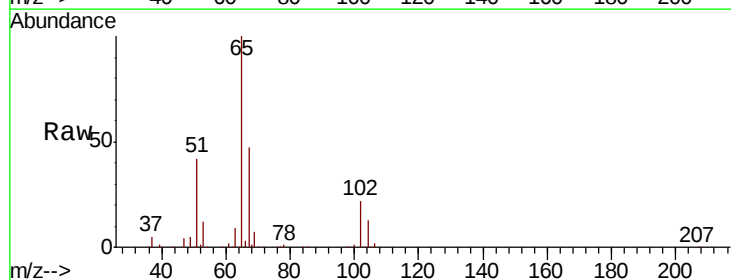
Delta R.T. -0.01 min

Lab File: VY000391.D

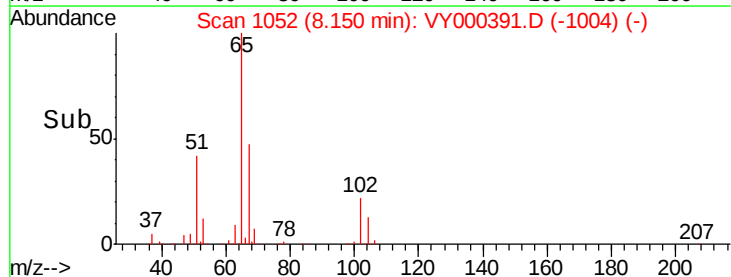
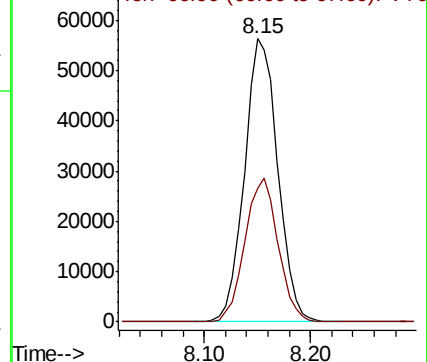
Acq: 23 Oct 2019 19:05

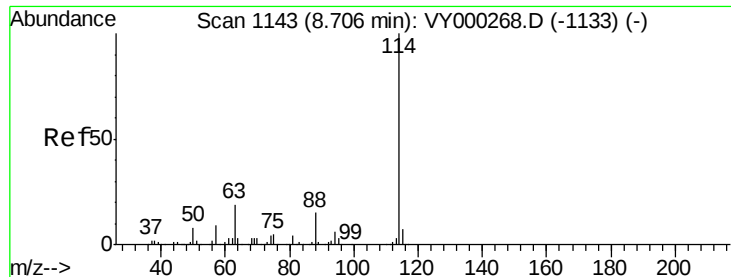
Tgt Ion: 65 Resp: 123405

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	109.4



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

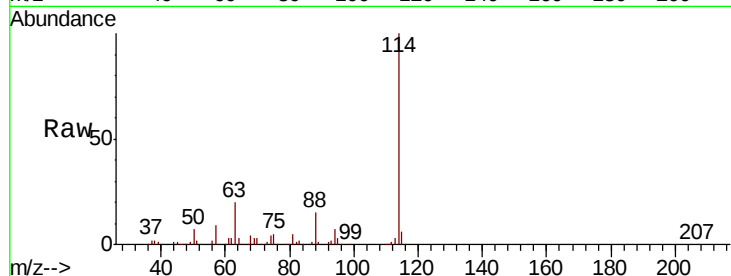




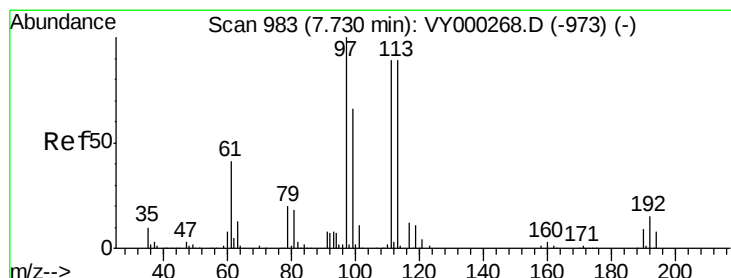
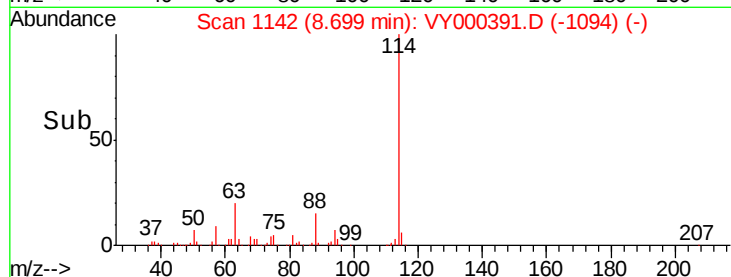
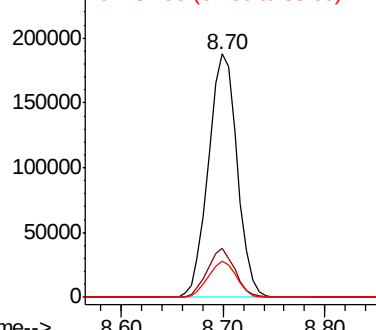
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000391.D
 Acq: 23 Oct 2019 19:05

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	37.2
88	14.8	0.0	30.2

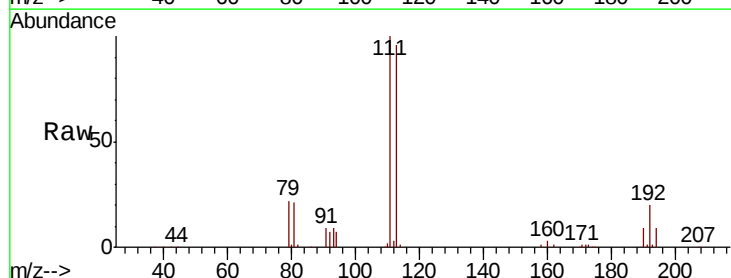


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

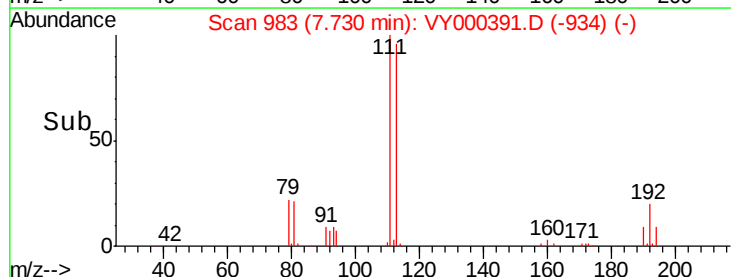
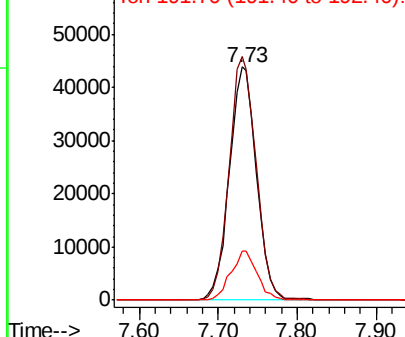


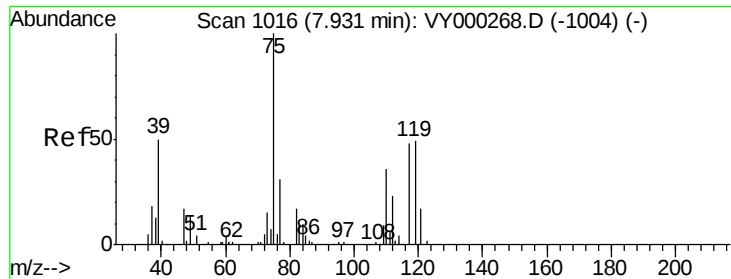
#35
 Dibromofluoromethane
 Concen: 47.248 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000391.D
 Acq: 23 Oct 2019 19:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.6	122.4
192	20.3	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

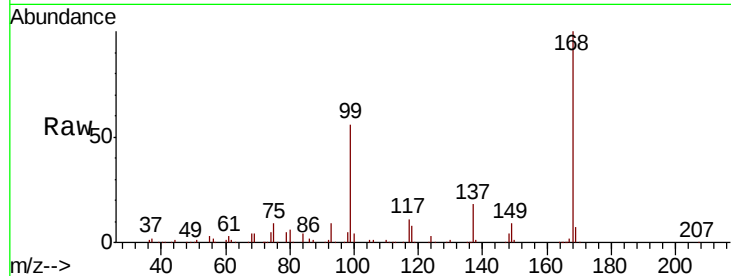




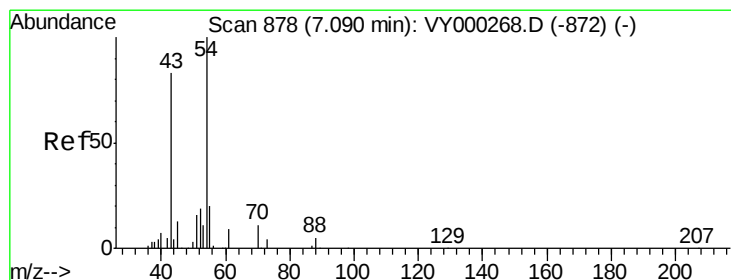
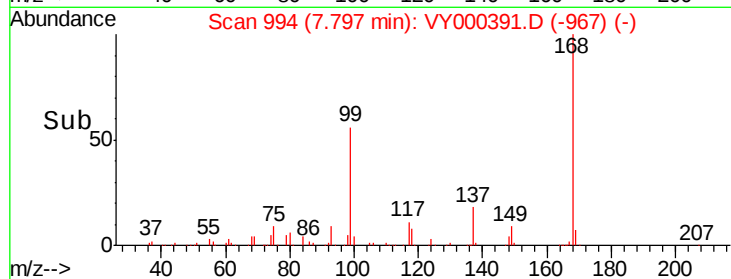
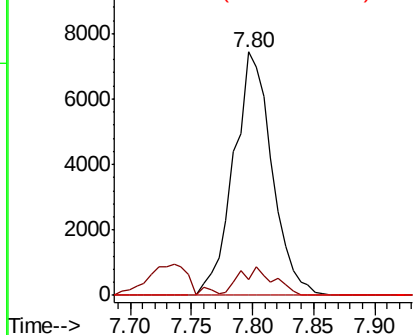
#36
 1,1-Dichloropropene
 Concen: 4.501 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000391.D
 Acq: 23 Oct 2019 19:05

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 16177
 Ion Ratio Lower Upper
 75 100
 110 10.3 18.4 55.4#
 77 0.0 25.0 37.6#

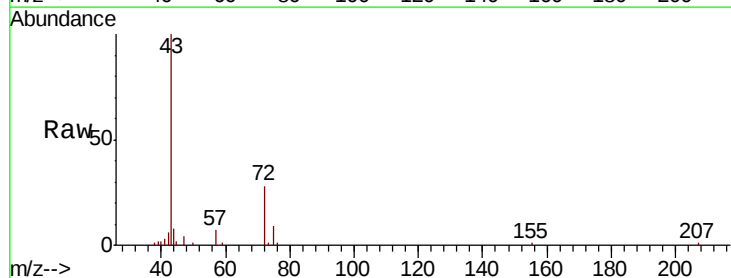


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

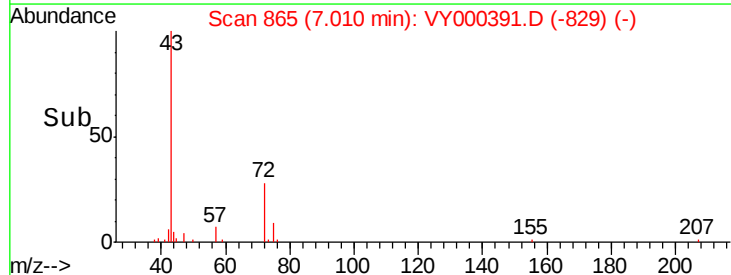
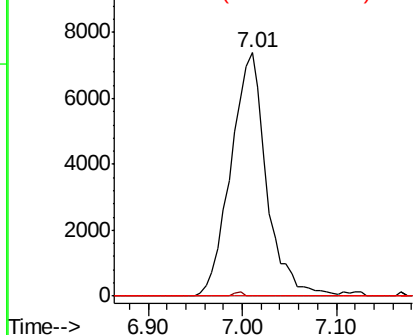


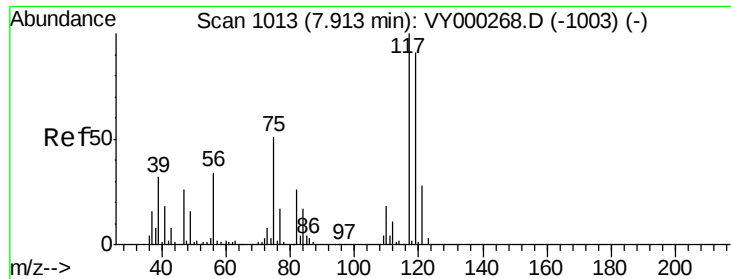
#37
 Ethyl Acetate
 Concen: 9.100 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VY000391.D
 Acq: 23 Oct 2019 19:05

Tgt Ion: 43 Resp: 19368
 Ion Ratio Lower Upper
 43 100
 61 0.4 12.1 18.1#
 70 0.0 8.7 13.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 70.00 (69.70 to 70.70): VY0

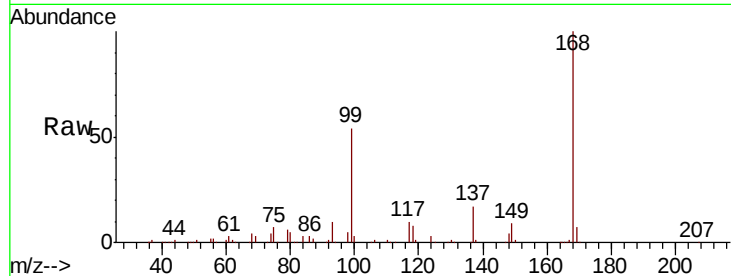




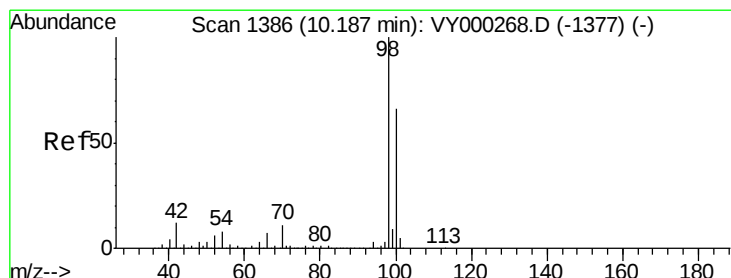
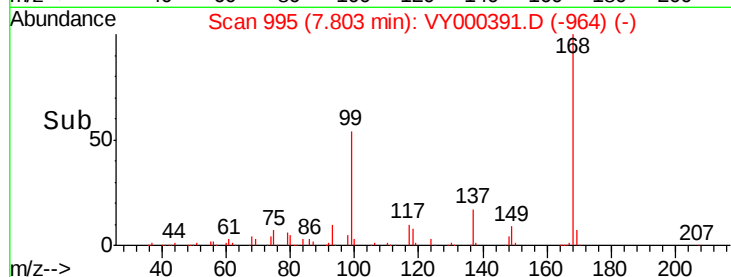
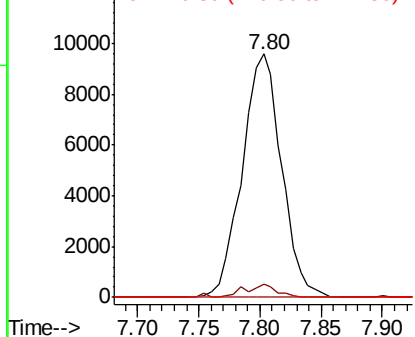
#38
Carbon Tetrachloride
Concen: 6.168 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000391.D
Acq: 23 Oct 2019 19:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 21466
Ion Ratio Lower Upper
117 100
119 5.6 72.8 109.2#
121 0.0 22.2 33.2#

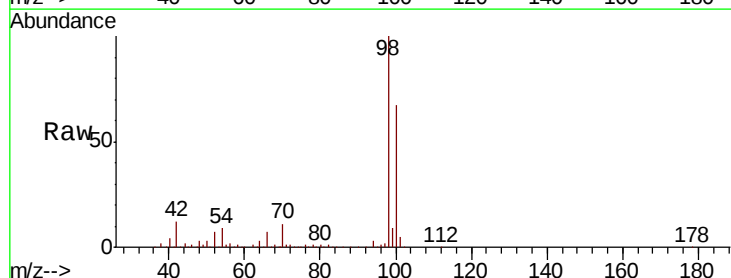


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

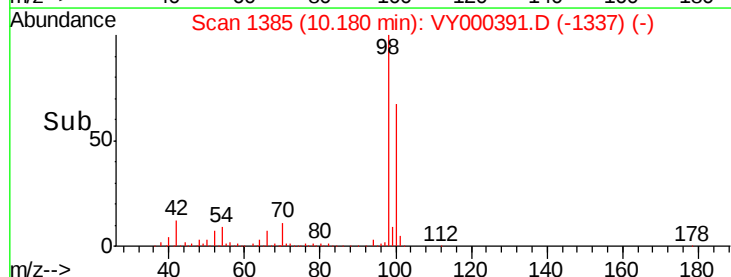
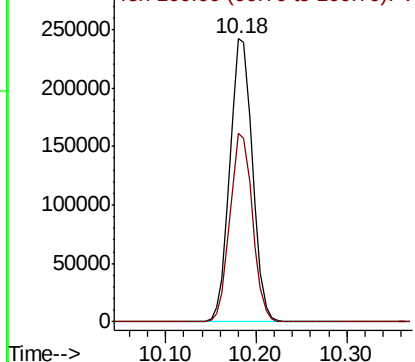


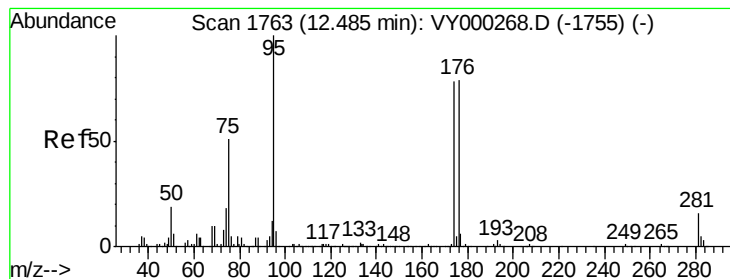
#50
Toluene-d8
Concen: 49.185 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000391.D
Acq: 23 Oct 2019 19:05

Tgt Ion: 98 Resp: 418996
Ion Ratio Lower Upper
98 100
100 66.5 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: 40.952 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000391.D

Acq: 23 Oct 2019 19:05

Instrument :

MSVOA_Y

ClientSampleId :

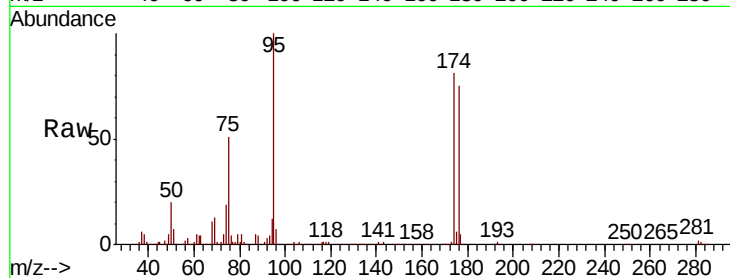
Tot Ion: 95 Resp: 132535

Ion Ratio Lower Upper

95 100

174 82.2 0.0 159.6

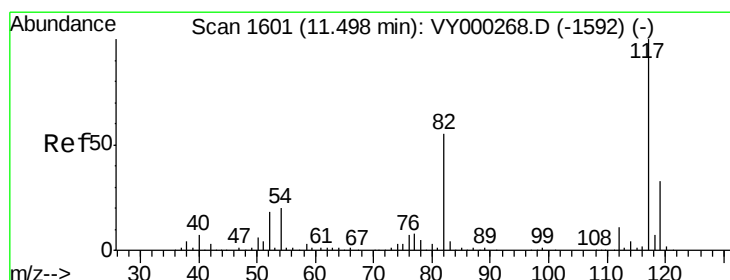
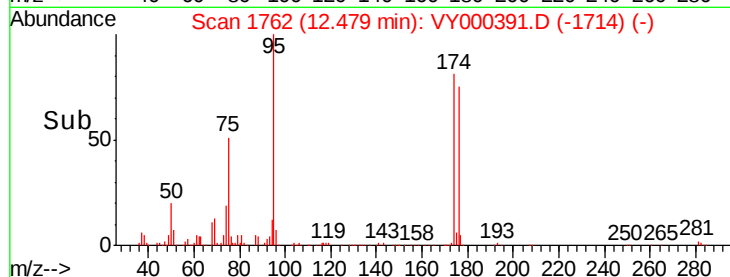
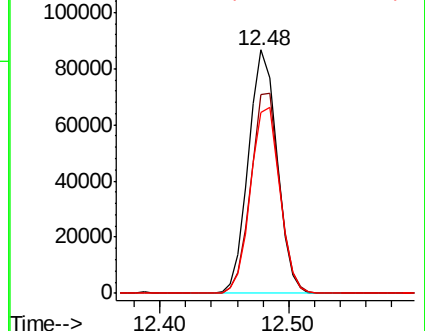
176 78.0 0.0 153.8



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: VY000391.D

Acq: 23 Oct 2019 19:05

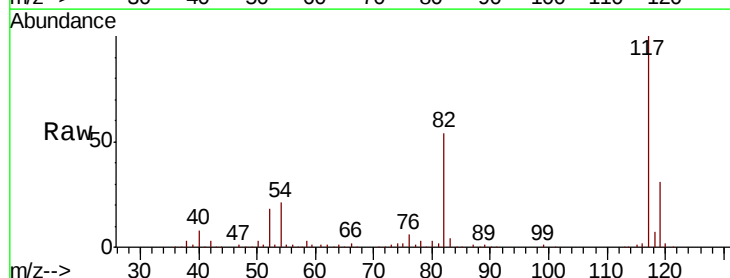
Tgt Ion: 117 Resp: 310537

Ion Ratio Lower Upper

117 100

82 54.1 43.7 65.5

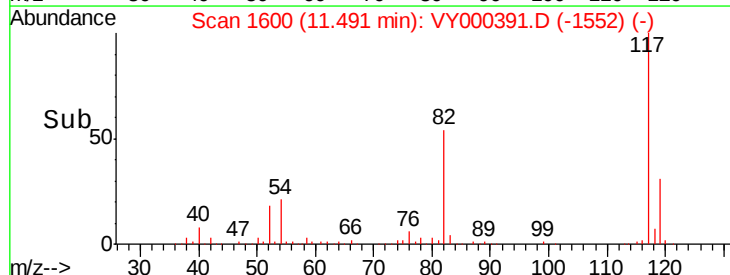
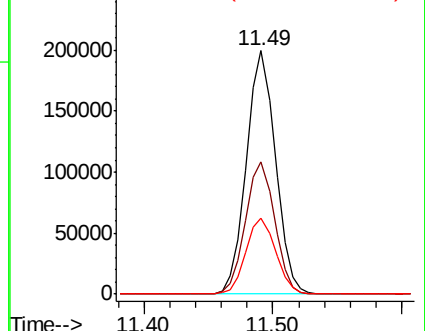
119 31.2 26.6 39.8

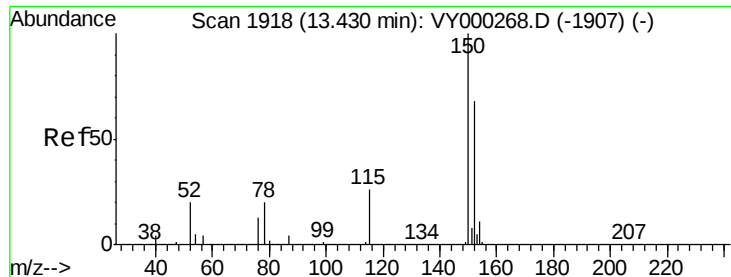


Abundance Ion 116.90 (116.60 to 117.60): VY000268.D (-1592) (-)

Ion 82.00 (81.70 to 82.70): VY000268.D (-1592) (-)

Ion 118.90 (118.60 to 119.60): VY000268.D (-1592) (-)



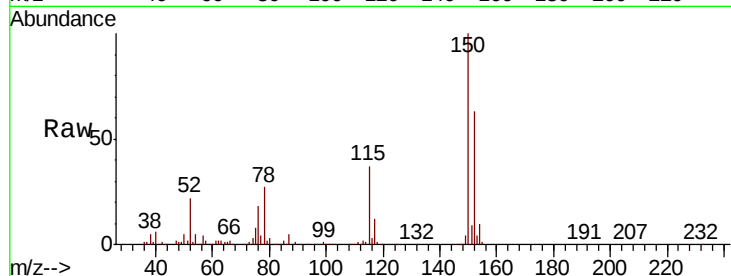


#72

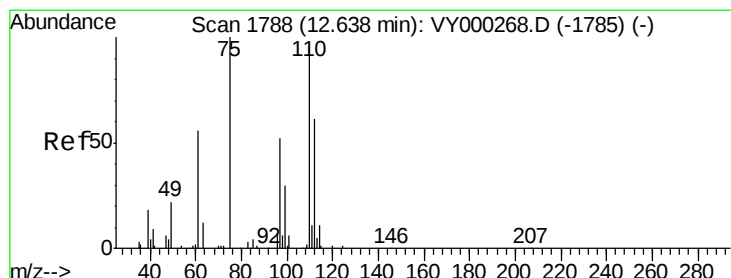
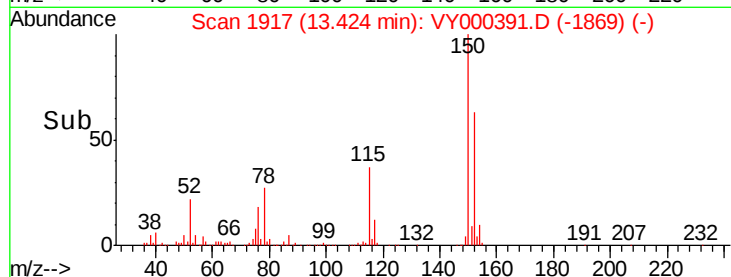
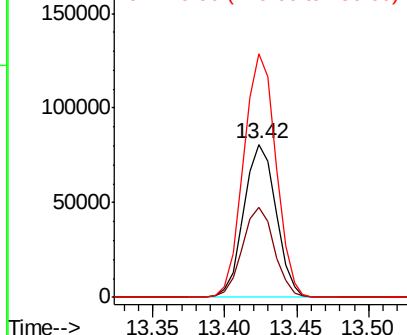
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.01 min
Lab File: VY000391.D
Acq: 23 Oct 2019 19:05

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 125344
Ion Ratio Lower Upper
152 100
115 58.2 29.3 88.0
150 159.2 0.0 348.4



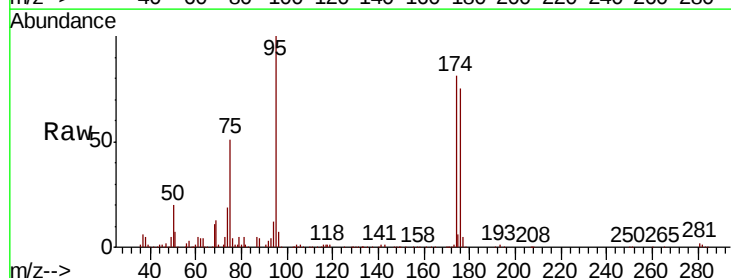
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



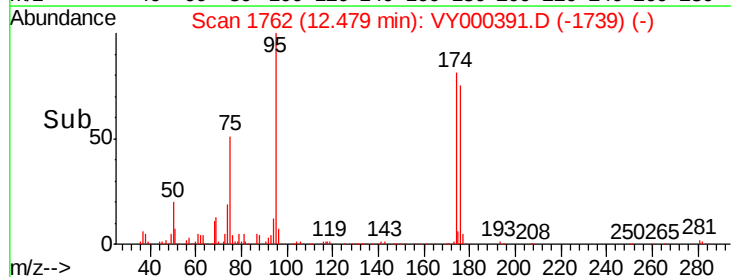
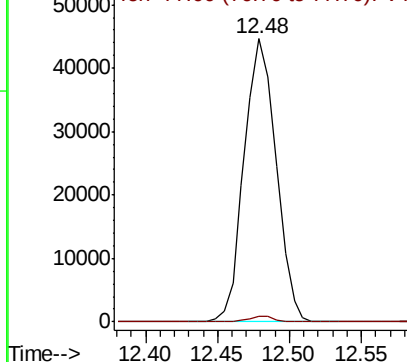
#76

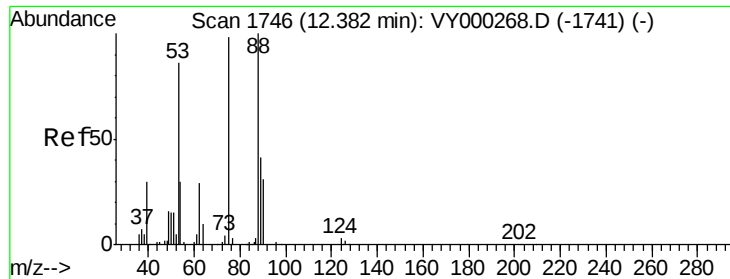
1,2,3-Trichloropropane
Concen: 44.575 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.16 min
Lab File: VY000391.D
Acq: 23 Oct 2019 19:05

Tgt Ion: 75 Resp: 68704
Ion Ratio Lower Upper
75 100
77 1.6 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: 97.529 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000391.D

Acq: 23 Oct 2019 19:05

Instrument :

MSVOA_Y

ClientSampleId :

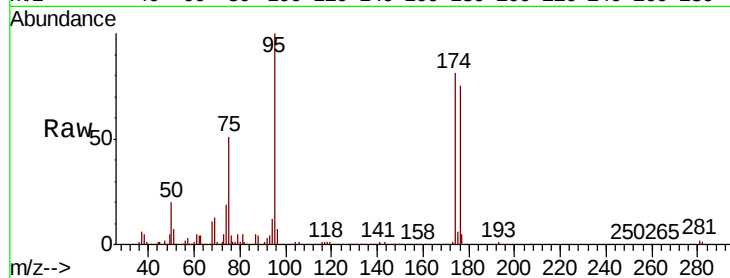
Tot Ion: 75 Resp: 68704

Ion Ratio Lower Upper

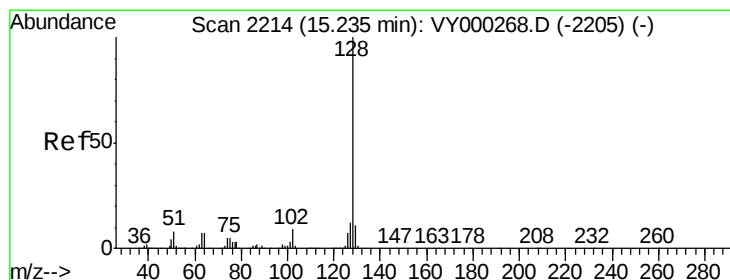
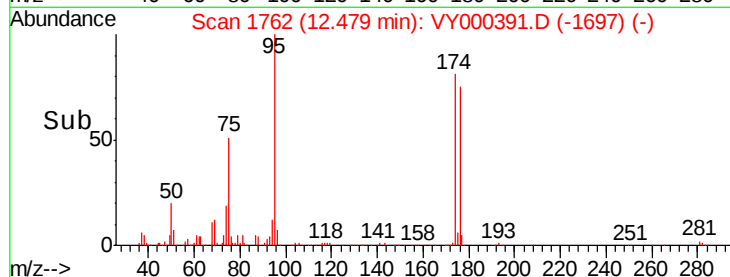
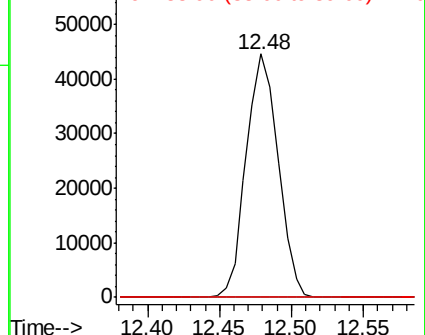
75 100

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



#95

Naphthalene

Concen: 2.959 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000391.D

Acq: 23 Oct 2019 19:05

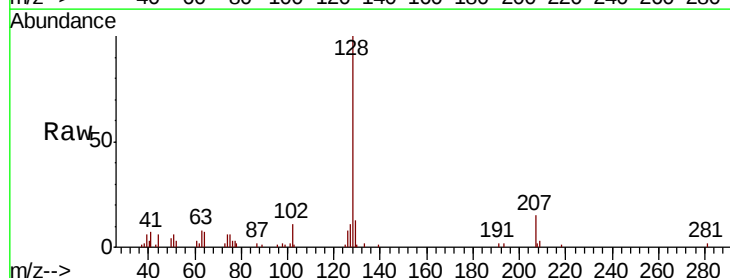
Tgt Ion:128 Resp: 17829

Ion Ratio Lower Upper

128 100

127 11.4 9.6 14.4

129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

