

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000710.D
 Acq On : 15 Nov 2019 18:33
 Operator : SY/MD
 Sample : K5861-21
 Misc : 6.41G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:33:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	179774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	331851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	314008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	151404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	114896	61.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.52%	
35) Dibromofluoromethane	7.73	113	100557	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.18	98	389734	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.48	95	140693	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	

Target Compounds

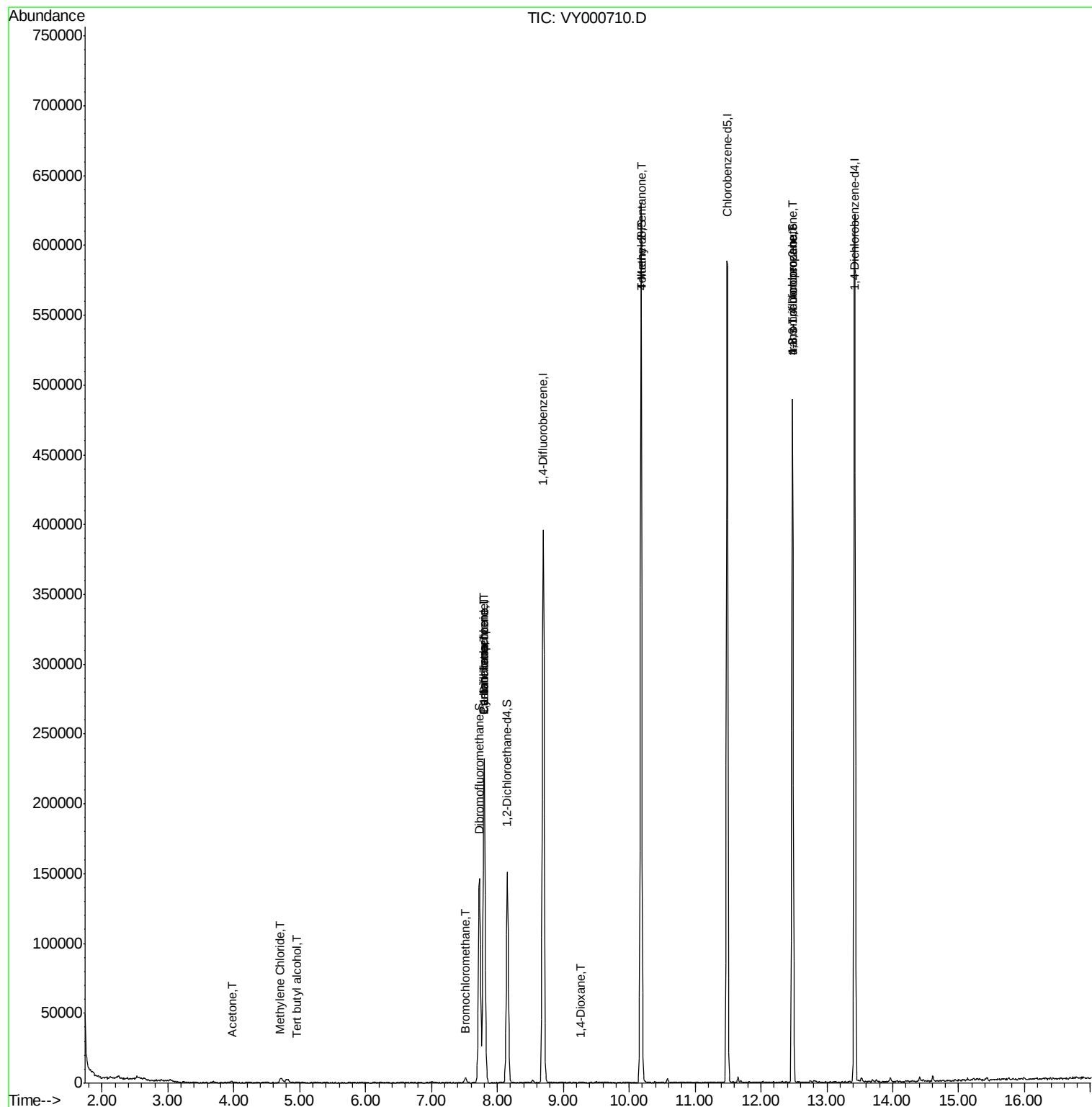
						Qvalue
11) Tert butyl alcohol	4.96	59	233	1.287	ug/l #	57
16) Acetone	3.97	43	1321	2.576	ug/l #	42
20) Methylene Chloride	4.71	84	2798	1.273	ug/l #	67
28) Bromochloromethane	7.52	49	254	4.241	ug/l #	14
31) Cyclohexane	7.80	56	5010	1.391	ug/l #	54
36) 1,1-Dichloropropene	7.79	75	14545	4.636	ug/l #	49
38) Carbon Tetrachloride	7.80	117	18246	6.044	ug/l #	14
49) 1,4-Dioxane	9.26	88	31	1.850	ug/l #	27
51) 4-Methyl-2-Pentanone	10.17	43	1992	1.071	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	76044	44.111	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	76044	98.902	ug/l #	13

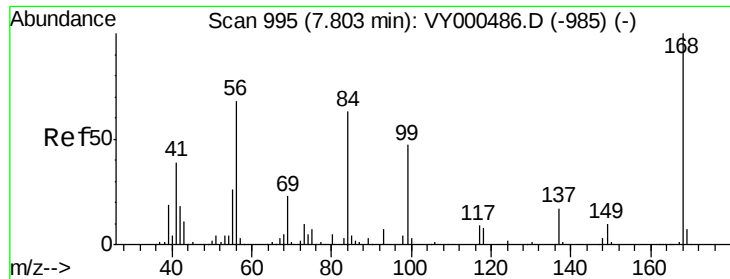
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
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ClientSampleId :

Quant Time: Nov 16 02:33:23 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 13:30:53 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: VY000710.D

Acq: 15 Nov 2019 18:33

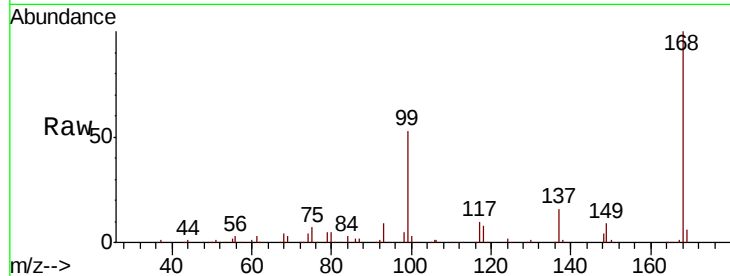
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 179774

Ion Ratio Lower Upper

168 100

99 53.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000710.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000710.D (-946) (-)

7.80

80000

60000

40000

20000

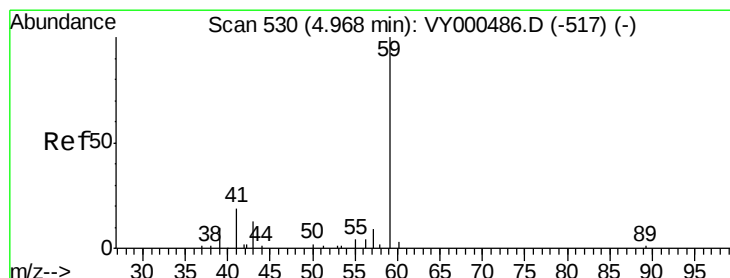
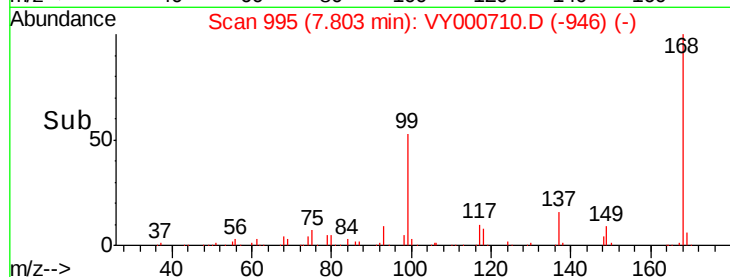
0

Time-->

7.70

7.80

7.90



#11

Tert butyl alcohol

Concen: 1.287 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000710.D

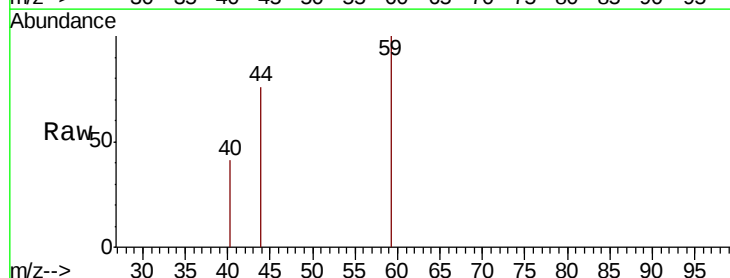
Acq: 15 Nov 2019 18:33

Tgt Ion: 59 Resp: 233

Ion Ratio Lower Upper

59 100

57 27.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY000710.D (-481) (-)

Ion 57.00 (56.70 to 57.70): VY000710.D (-481) (-)

4.96

300

200

100

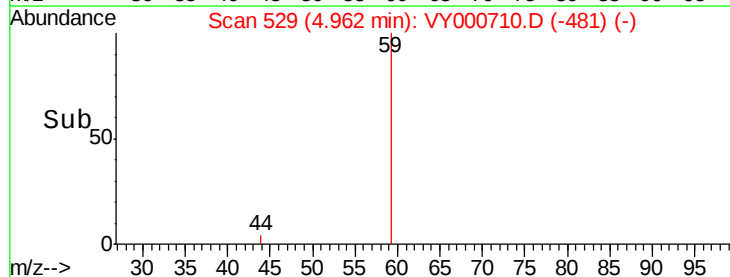
0

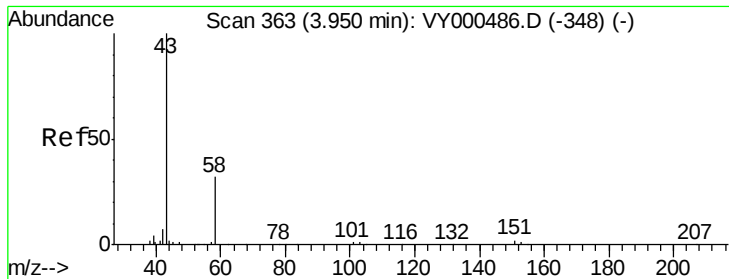
Time-->

4.94

4.96

4.98





#16

Acetone

Concen: 2.576 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY000710.D

Acq: 15 Nov 2019 18:33

Instrument :

MSVOA_Y

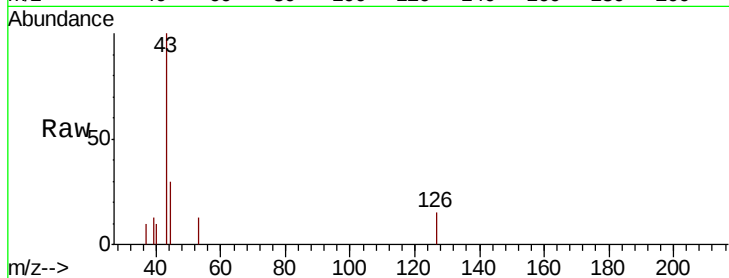
ClientSampleId :

Tot Ion: 43 Resp: 1321

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

3.97

600

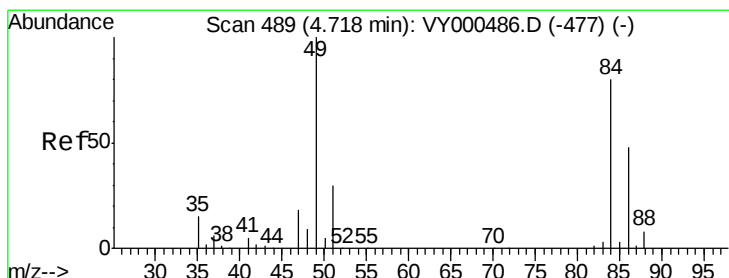
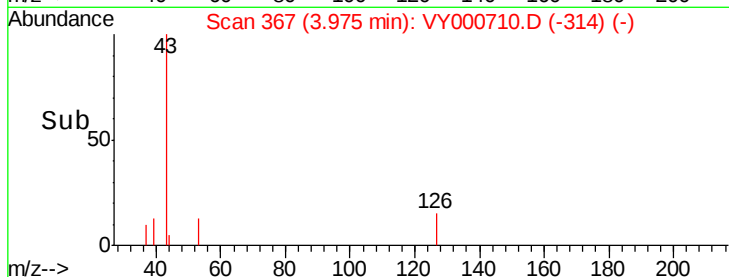
400

200

0

3.90 3.95 4.00

Time-->



#20

Methylene Chloride

Concen: 1.273 ug/l

RT: 4.71 min Scan# 487

Delta R.T. -0.01 min

Lab File: VY000710.D

Acq: 15 Nov 2019 18:33

Tgt Ion: 84 Resp: 2798

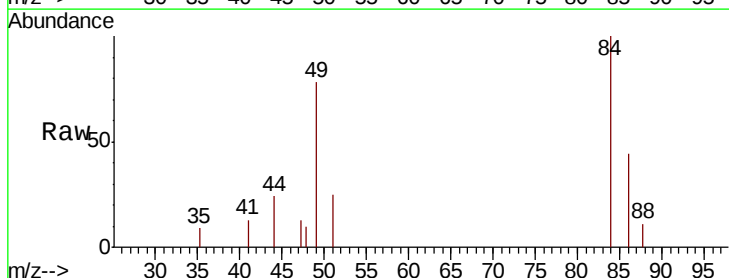
Ion Ratio Lower Upper

84 100

49 78.0 100.2 150.4#

51 24.6 29.6 44.4#

86 44.0 48.3 72.5#



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

1500

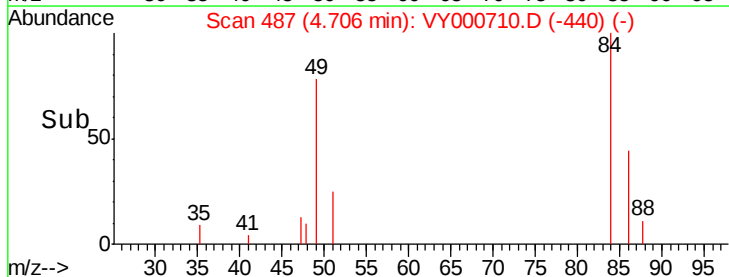
1000

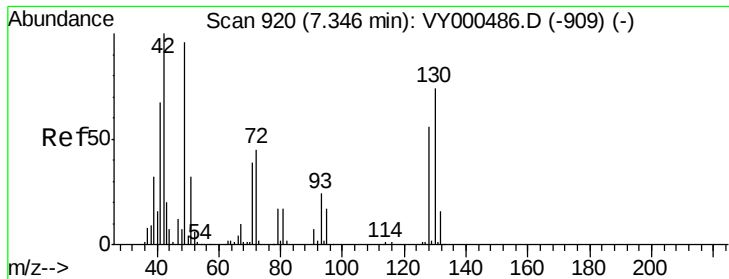
500

0

4.65 4.70 4.75 4.80

Time-->





#28

Bromochloromethane

Concen: 4.241 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.17 min

Lab File: VY000710.D

Acq: 15 Nov 2019 18:33

Instrument :
MSVOA_Y
ClientSampled :

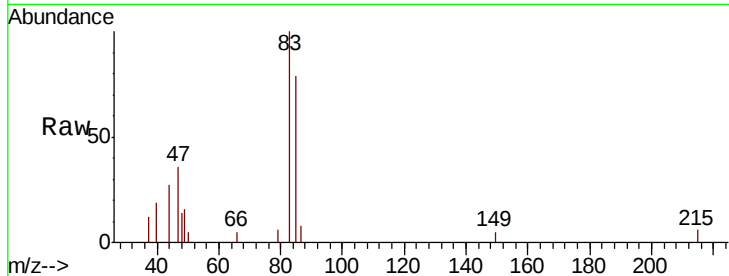
Tot Ion: 49 Resp: 254

Ion Ratio Lower Upper

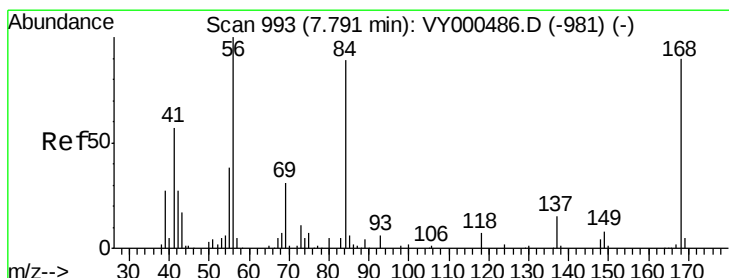
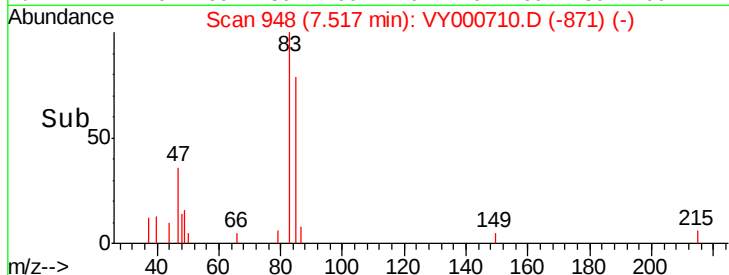
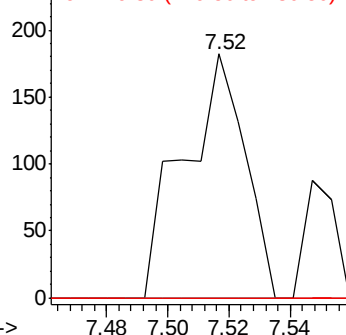
49 100

129 0.0 0.0 3.6

130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.391 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000710.D

Acq: 15 Nov 2019 18:33

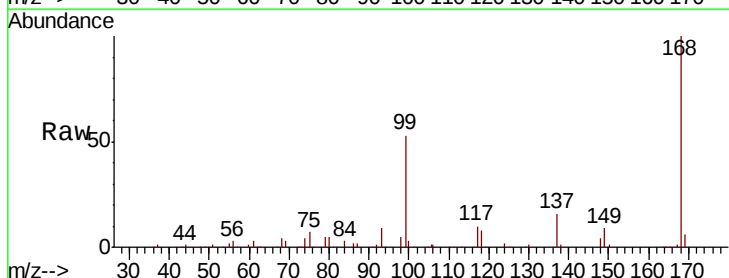
Tgt Ion: 56 Resp: 5010

Ion Ratio Lower Upper

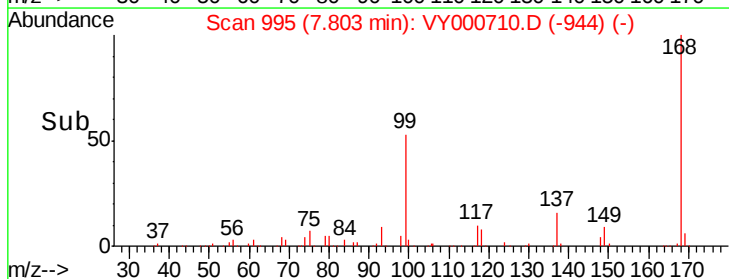
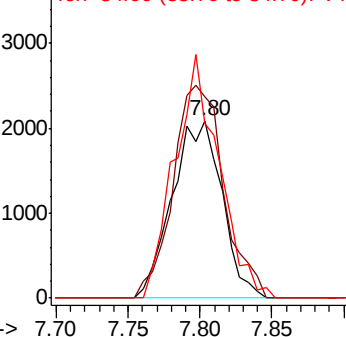
56 100

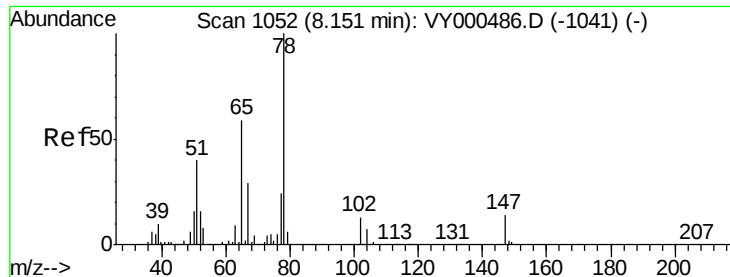
69 113.4 25.0 37.6#

84 98.3 71.4 107.2



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

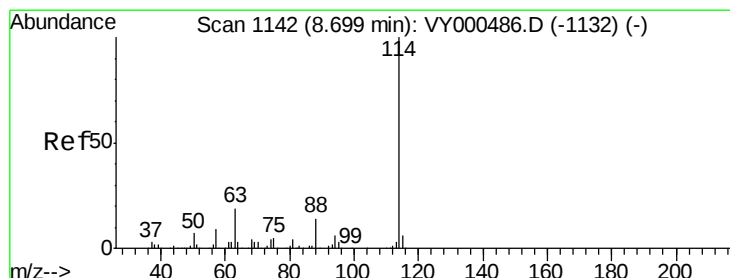
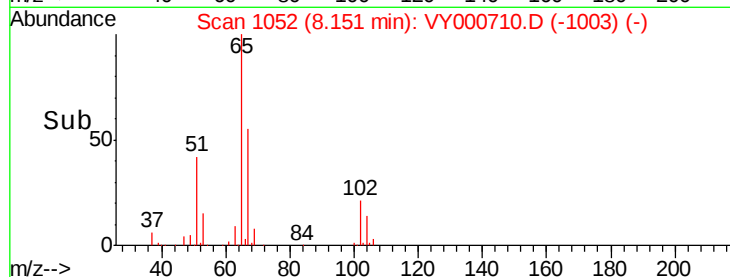
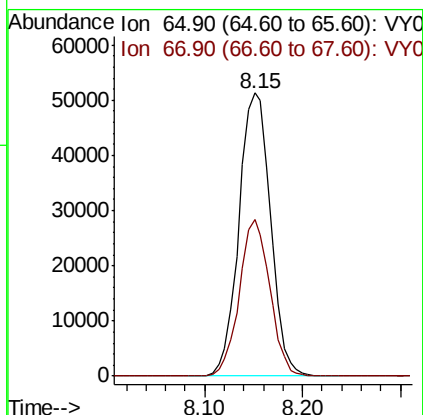
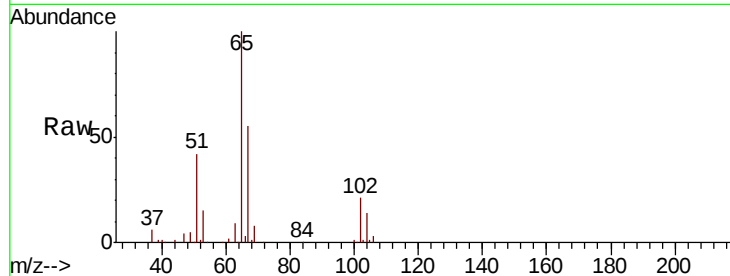




#33
 1,2-Dichloroethane-d4
 Concen: 61.758 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000710.D
 Acq: 15 Nov 2019 18:33

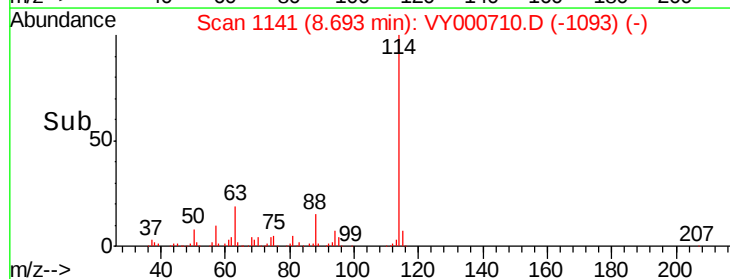
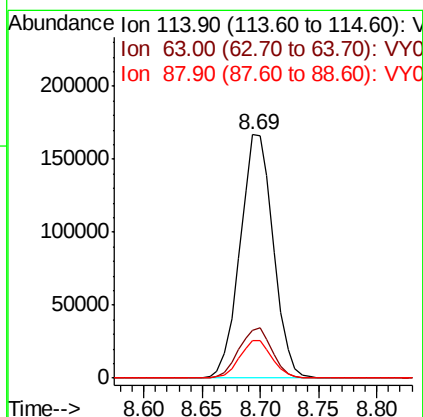
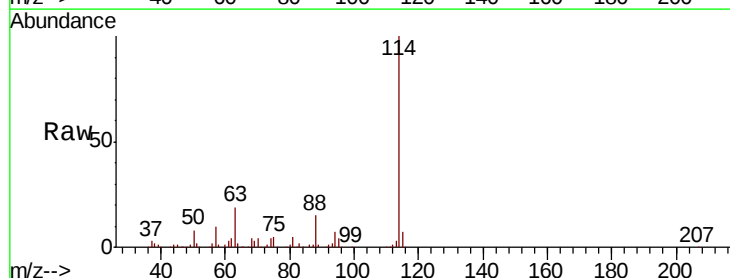
Instrument :
 MSVOA_Y
 ClientSampleId :

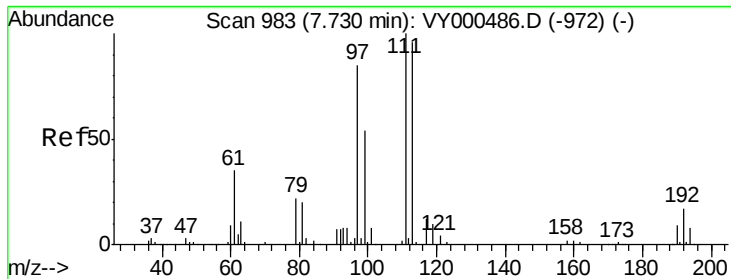
Tot Ion: 65 Resp: 114896
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000710.D
 Acq: 15 Nov 2019 18:33

Tgt Ion: 114 Resp: 331851
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.0
 88 15.5 0.0 28.6

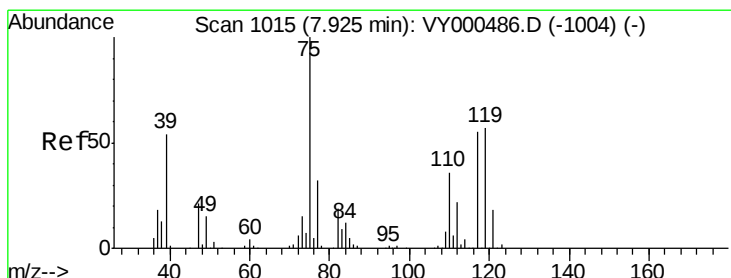
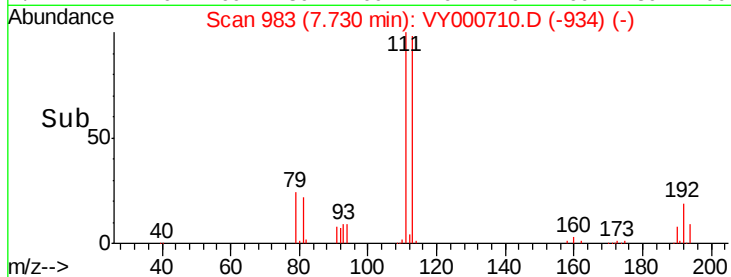
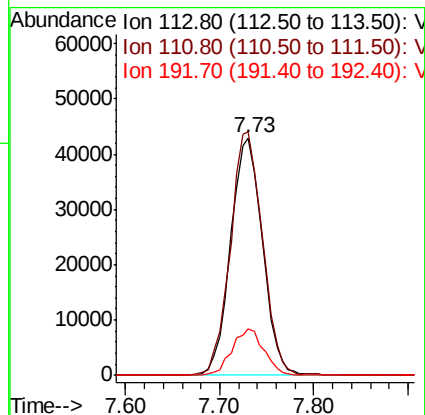
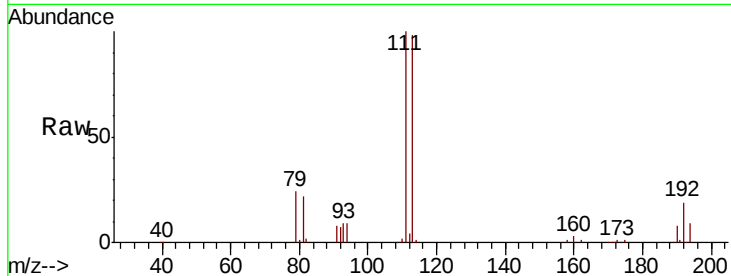




#35
 Dibromofluoromethane
 Concen: 51.616 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000710.D
 Acq: 15 Nov 2019 18:33

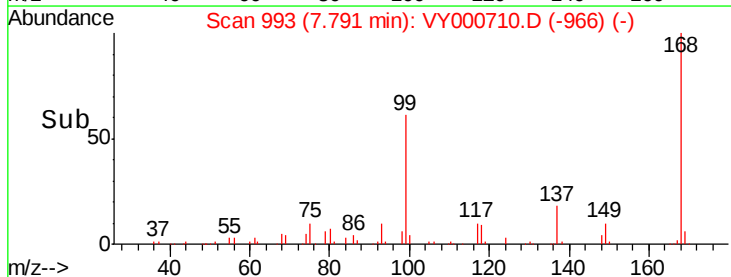
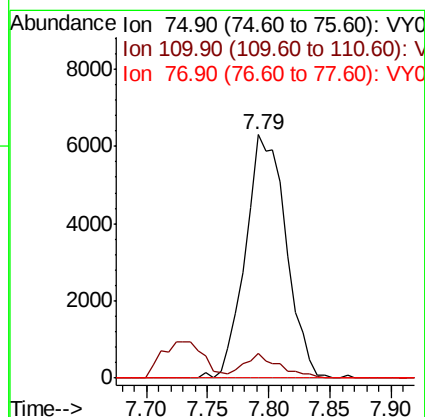
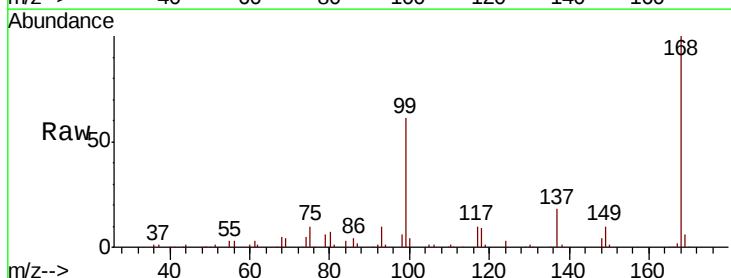
Instrument :
 MSVOA_Y
 ClientSampled :

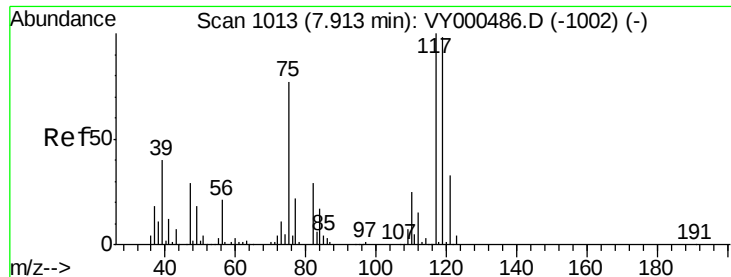
Tot Ion:113 Resp: 100557
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.7 122.5
 192 19.7 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.636 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000710.D
 Acq: 15 Nov 2019 18:33

Tgt Ion: 75 Resp: 14545
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.1#
 77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.044 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000710.D

Acq: 15 Nov 2019 18:33

Instrument :

MSVOA_Y

ClientSampleId :

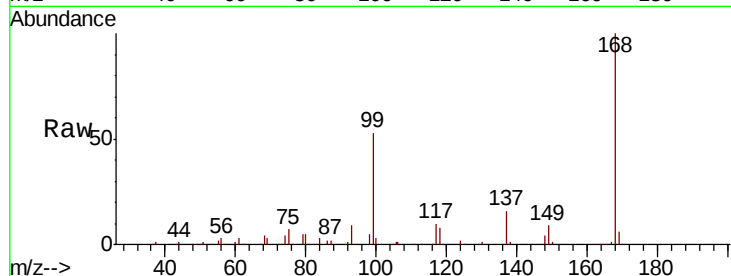
Tot Ion:117 Resp: 18246

Ion Ratio Lower Upper

117 100

119 3.4 78.0 117.0#

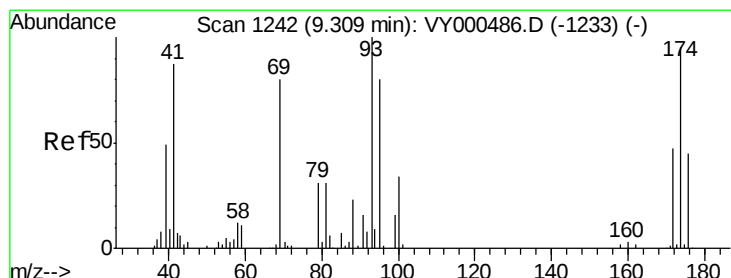
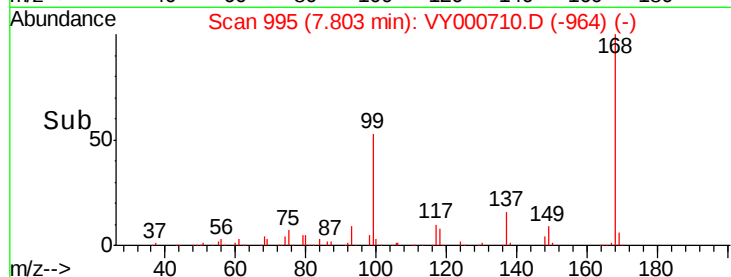
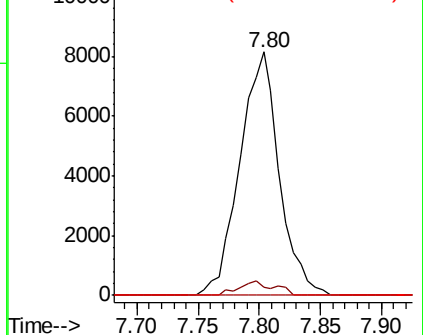
121 0.0 26.6 40.0#



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: 1.850 ug/l

RT: 9.26 min Scan# 1234

Delta R.T. -0.05 min

Lab File: VY000710.D

Acq: 15 Nov 2019 18:33

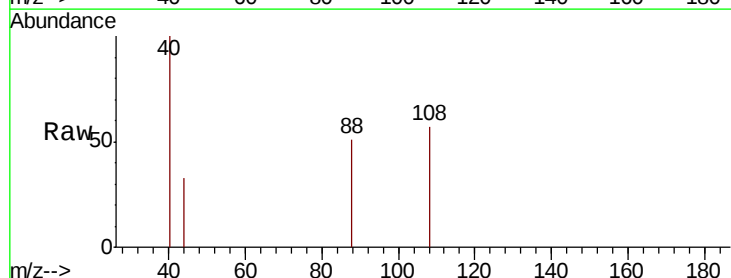
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

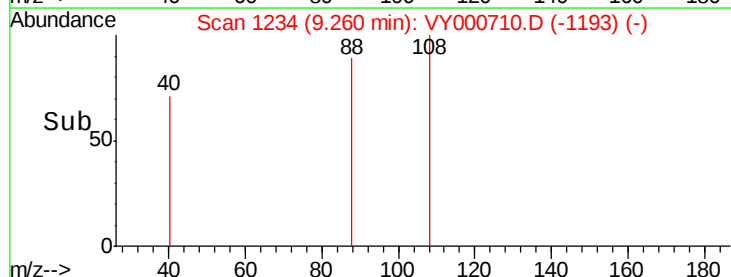
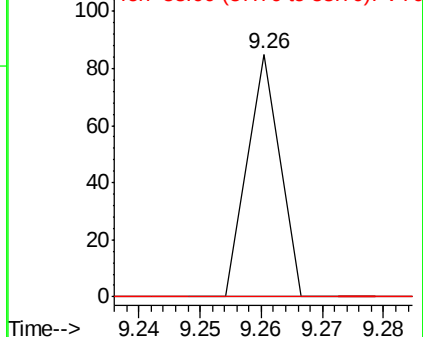
58 0.0 50.6 75.8#

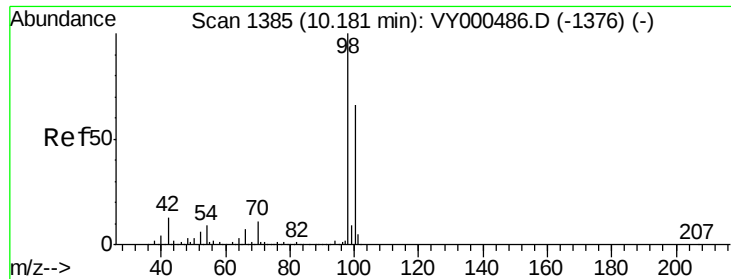


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 52.722 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000710.D

Acq: 15 Nov 2019 18:33

Instrument :

MSVOA_Y

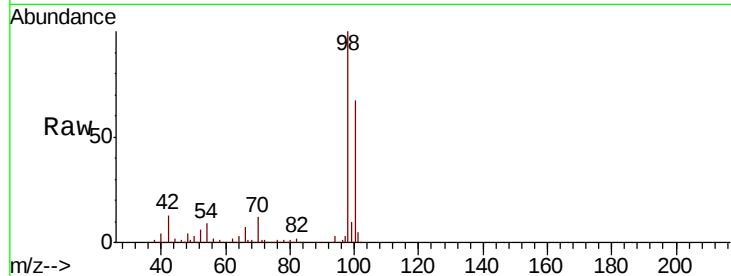
ClientSampleId :

Tot Ion: 98 Resp: 389734

Ion Ratio Lower Upper

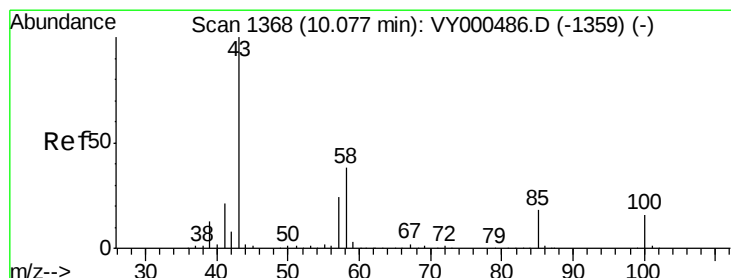
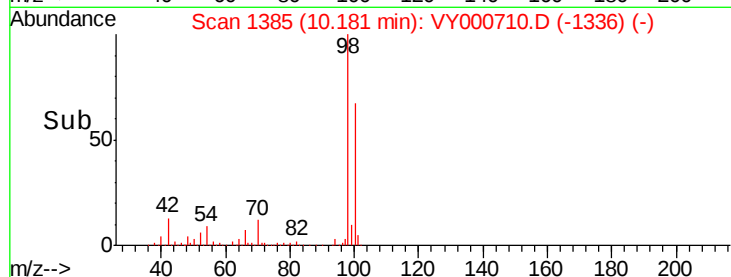
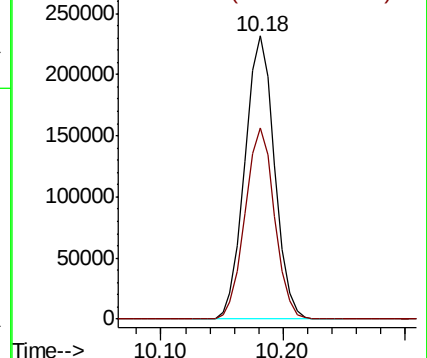
98 100

100 67.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0



#51

4-Methyl-2-Pentanone

Concen: 1.071 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. 0.10 min

Lab File: VY000710.D

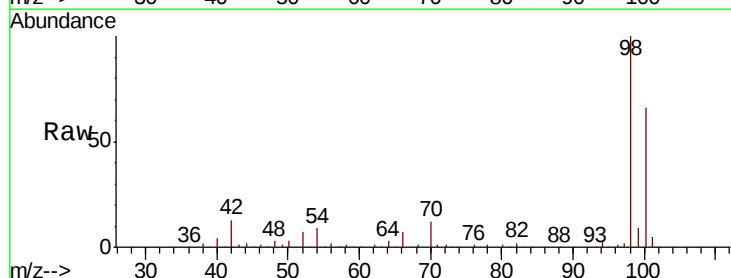
Acq: 15 Nov 2019 18:33

Tgt Ion: 43 Resp: 1992

Ion Ratio Lower Upper

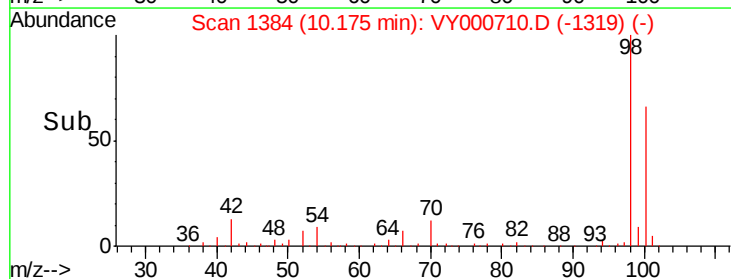
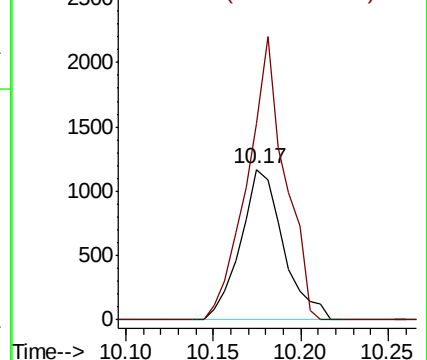
43 100

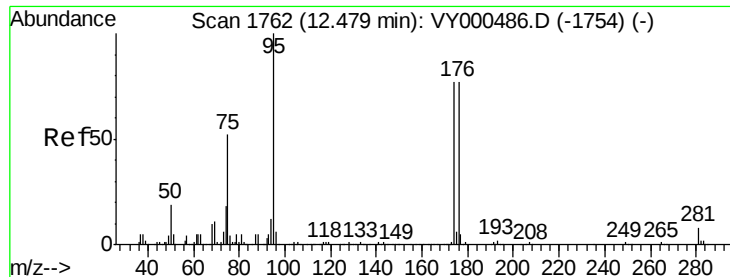
58 164.9 30.2 45.4#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

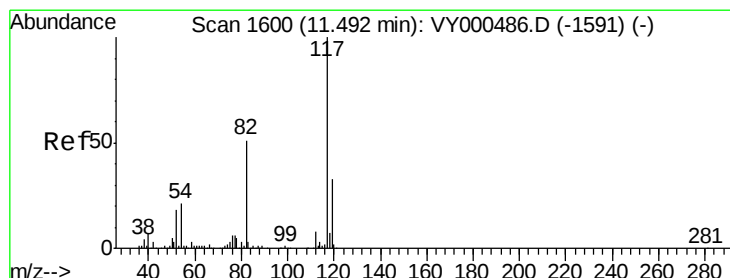
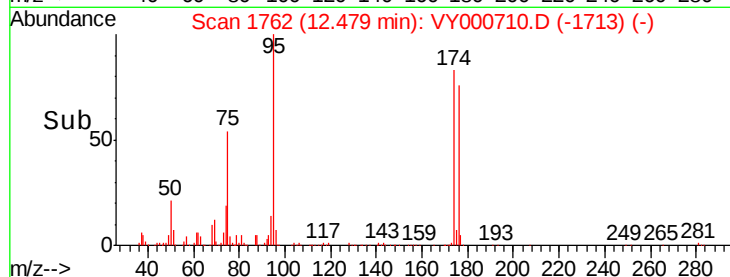
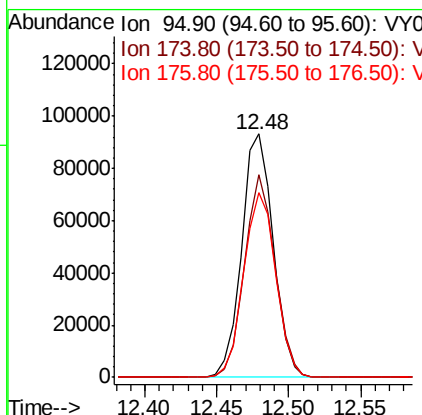
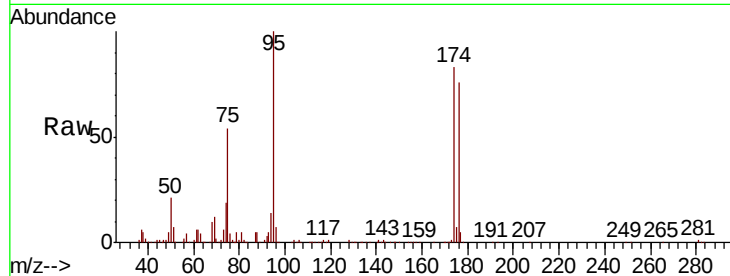




#62
4-Bromofluorobenzene
Concen: 49.994 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000710.D
Acq: 15 Nov 2019 18:33

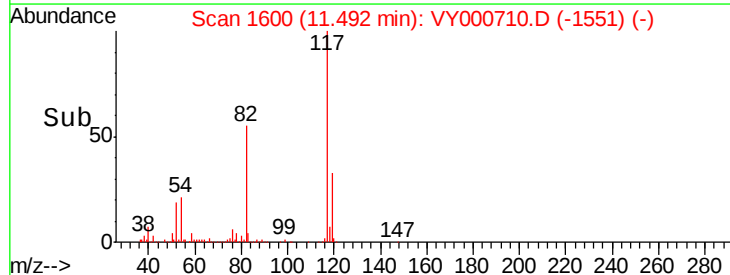
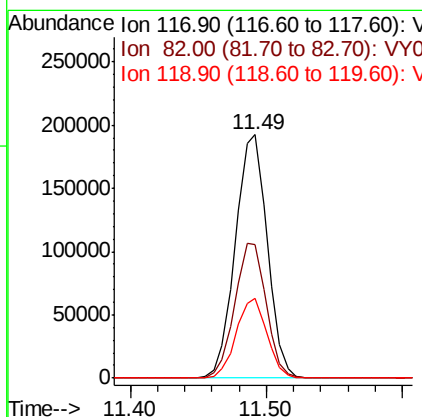
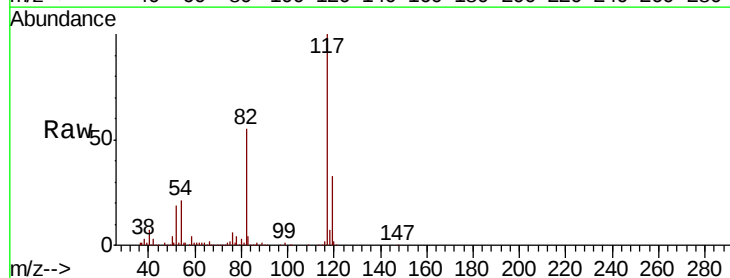
Instrument :
MSVOA_Y
ClientSampleId :

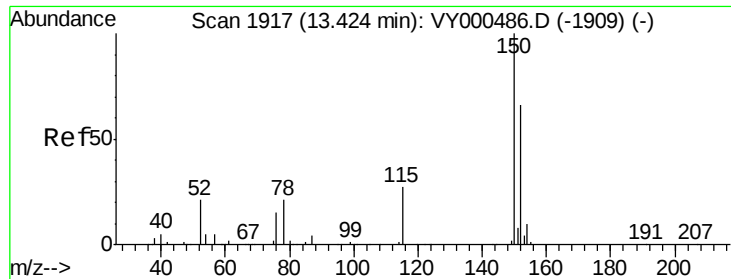
Tot Ion	Ratio	Lower	Upper
95	100		
174	80.7	0.0	161.6
176	77.3	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000710.D
Acq: 15 Nov 2019 18:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	40.8	61.2
119	32.6	26.2	39.2



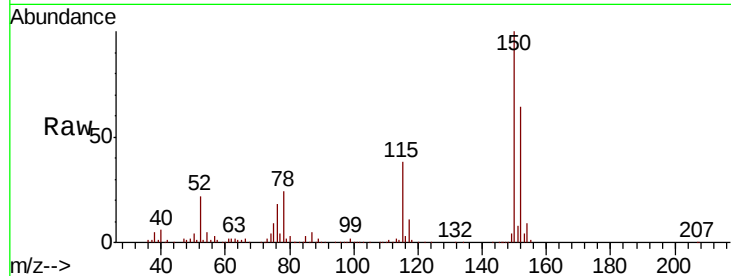


#72

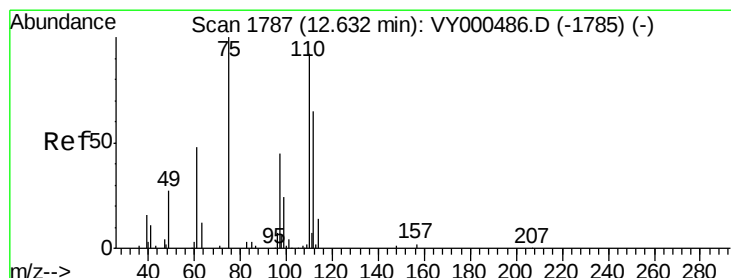
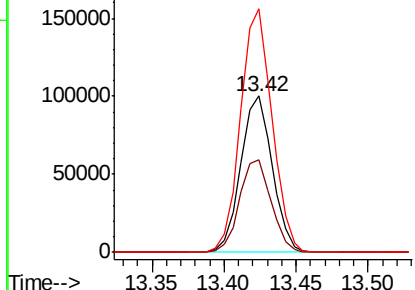
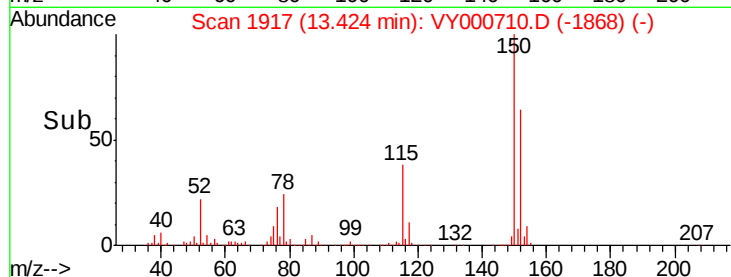
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000710.D
Acq: 15 Nov 2019 18:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.1	87.4
150	156.0	0.0	348.8



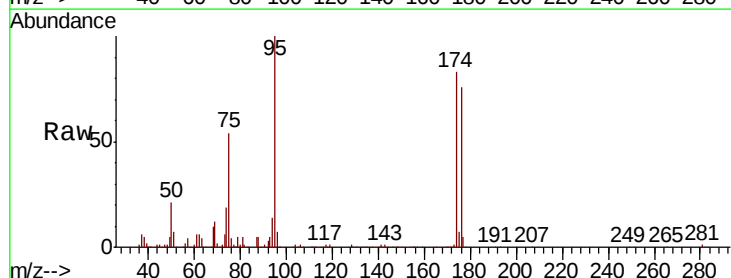
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



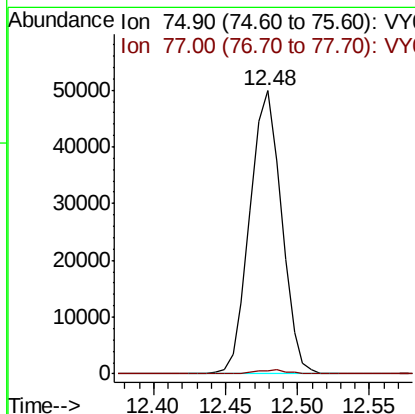
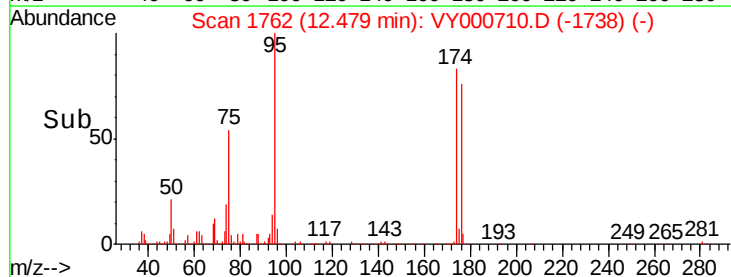
#76

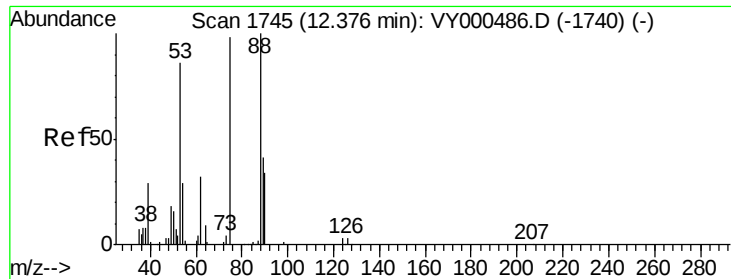
1,2,3-Trichloropropane
Concen: 44.111 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000710.D
Acq: 15 Nov 2019 18:33

Tgt 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: 98.902 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000710.D

Acq: 15 Nov 2019 18:33

Instrument :

MSVOA_Y

ClientSampleId :

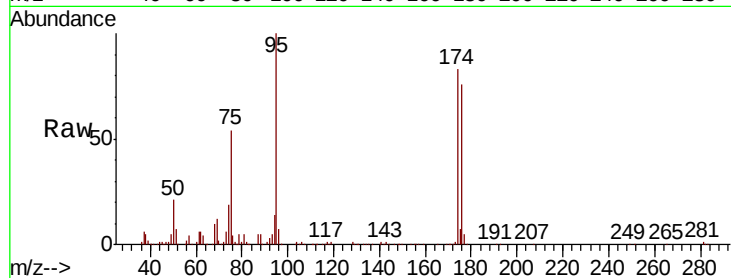
Tot Ion: 75 Resp: 76044

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.2 35.9 53.9#



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

