

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000606.D
 Acq On : 08 Nov 2019 10:56
 Operator : SY/MD
 Sample : VY1108SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1108SBL01

Quant Time: Nov 11 04:41:40 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	242696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	437102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	391844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	176846	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	144115	57.38	ug/l	0.00
Spiked Amount			Recovery	=	114.76%	
35) Dibromofluoromethane	7.74	113	128347	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	10.19	98	510627	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.49	95	172957	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

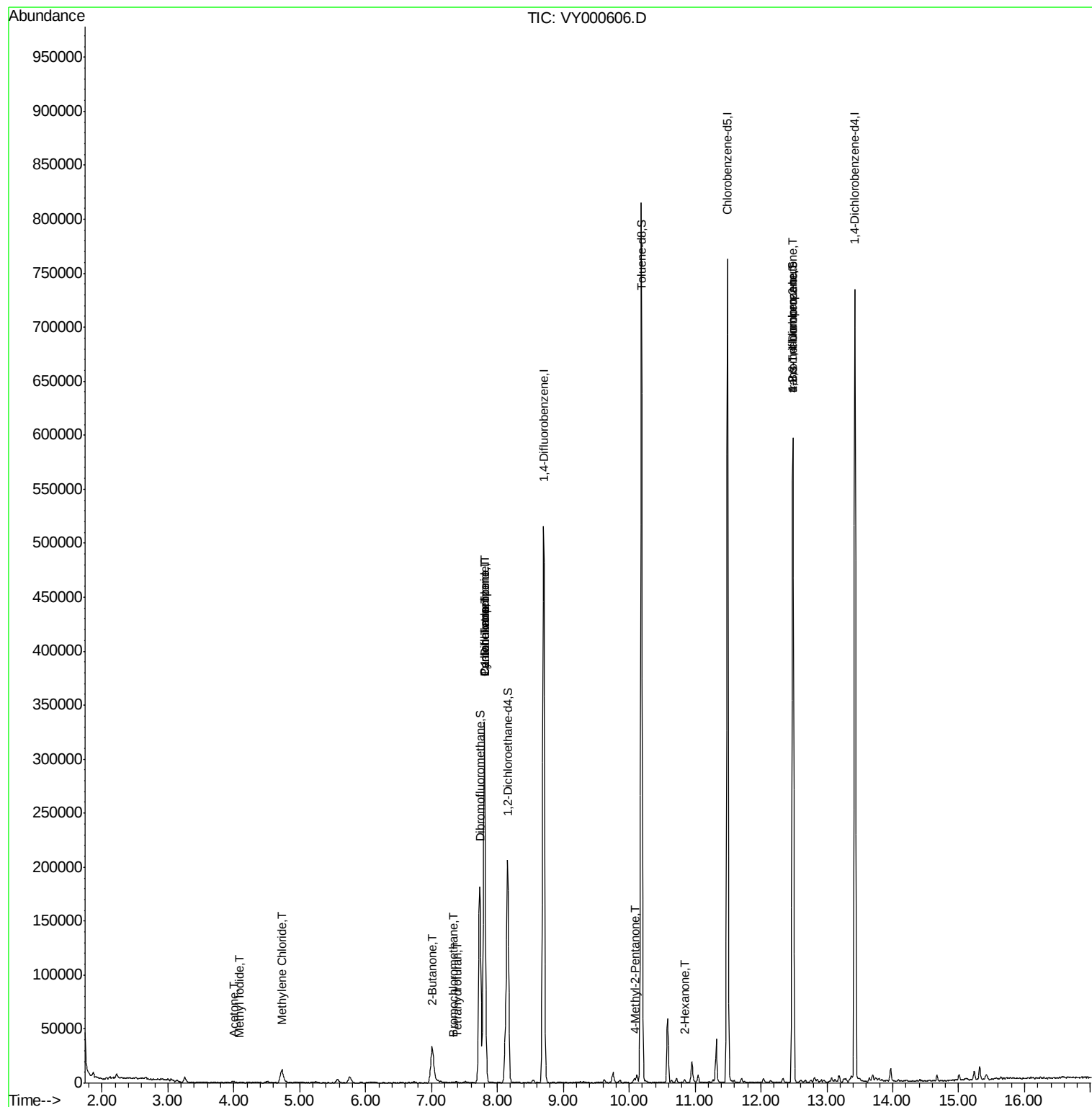
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.08	142	120	3.234	ug/l #	41
16) Acetone	3.99	43	2698	3.898	ug/l	93
20) Methylene Chloride	4.73	84	8280	2.792	ug/l #	83
25) 2-Butanone	7.02	43	3332	3.016	ug/l #	68
28) Bromochloromethane	7.34	49	121	4.145	ug/l #	14
29) Tetrahydrofuran	7.38	42	841	1.244	ug/l #	57
31) Cyclohexane	7.80	56	6263	1.288	ug/l #	17
36) 1,1-Dichloropropene	7.80	75	19226	4.653	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24013	6.039	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	3445	1.406	ug/l	96
59) 2-Hexanone	10.84	43	2175	1.218	ug/l	100
76) 1,2,3-Trichloropropane	12.49	75	94235	46.799	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	94235	104.928	ug/l #	13

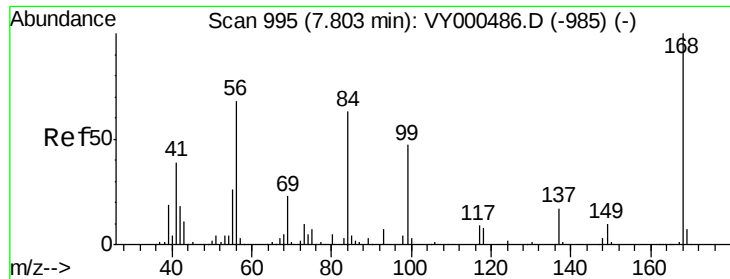
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

Instrument :

MSVOA_Y

ClientSampleId :

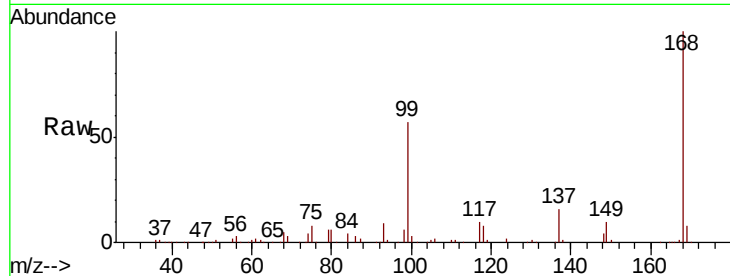
VY1108SBL01

Tot Ion:168 Resp: 242696

Ion Ratio Lower Upper

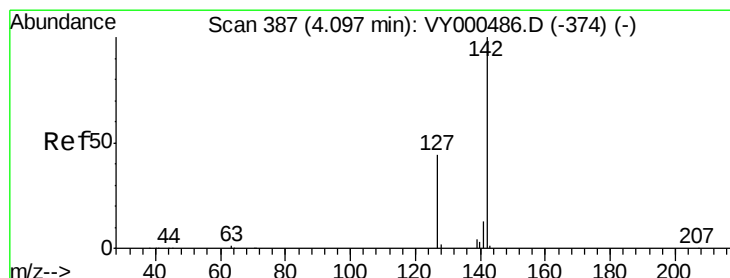
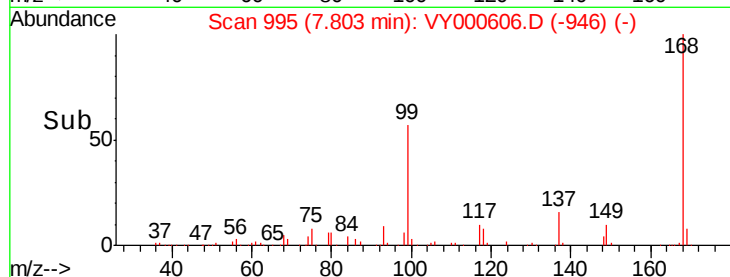
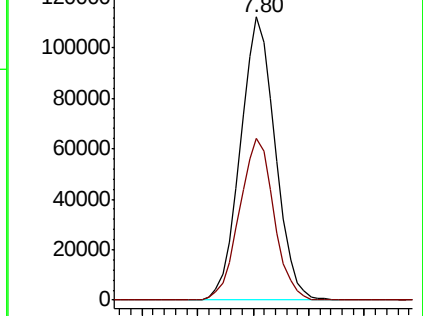
168 100

99 57.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.234 ug/l

RT: 4.08 min Scan# 385

Delta R.T. -0.01 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

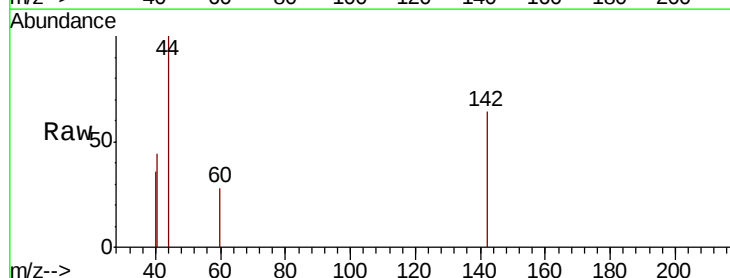
Tgt Ion:142 Resp: 120

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

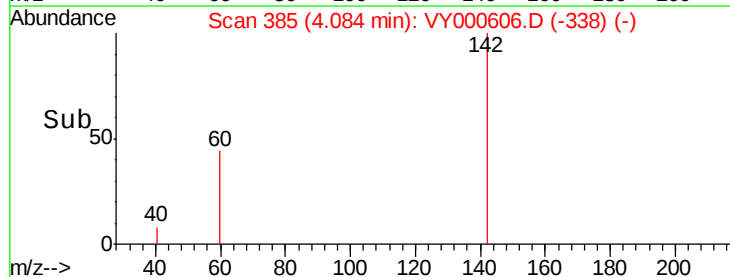
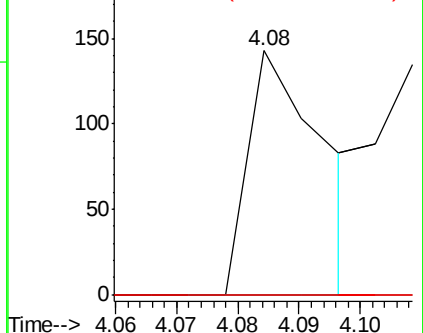
141 0.0 10.9 16.3#

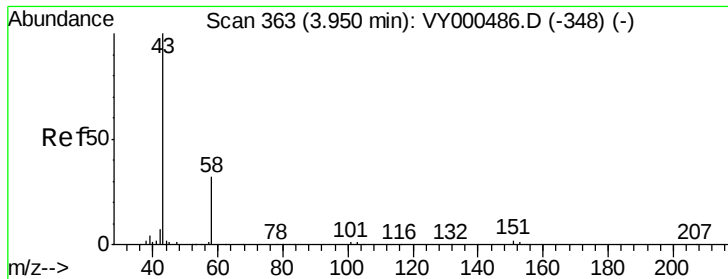


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 3.898 ug/l

RT: 3.99 min Scan# 370

Delta R.T. 0.04 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

Instrument :

MSVOA_Y

ClientSampleId :

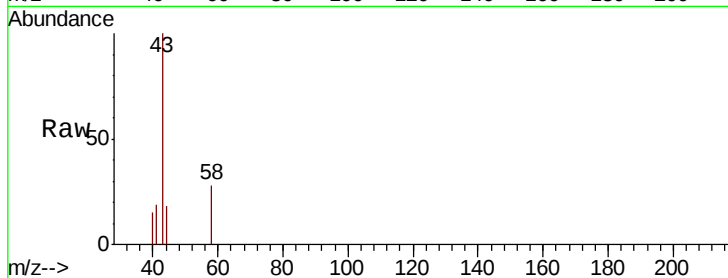
VY1108SBL01

Tot Ion: 43 Resp: 2698

Ion Ratio Lower Upper

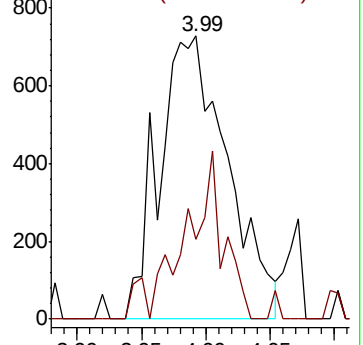
43 100

58 28.4 25.8 38.6

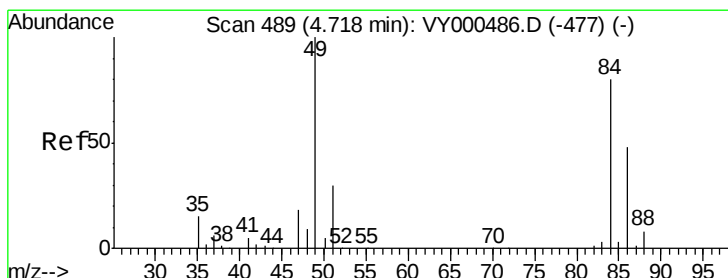
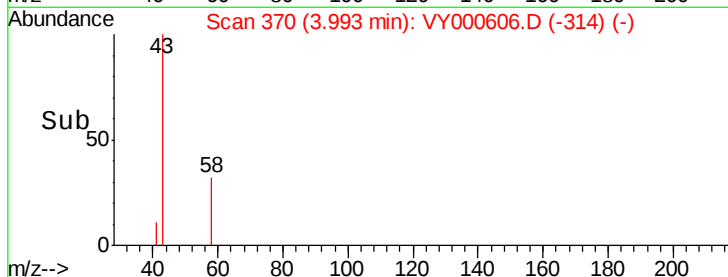


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: 2.792 ug/l

RT: 4.73 min Scan# 491

Delta R.T. 0.01 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

Tgt Ion: 84 Resp: 8280

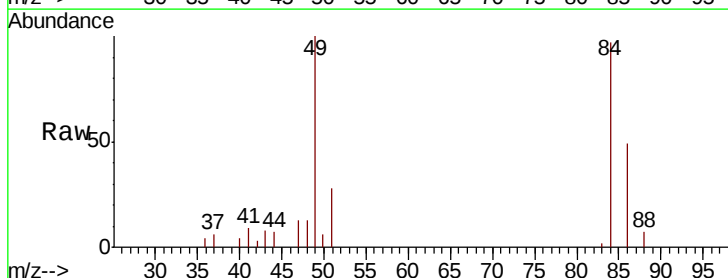
Ion Ratio Lower Upper

84 100

49 103.1 100.2 150.4

51 29.4 29.6 44.4#

86 50.4 48.3 72.5

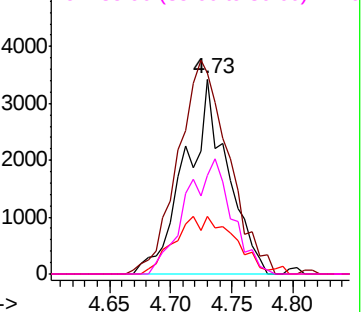


Abundance Ion 83.90 (83.60 to 84.60): VY0

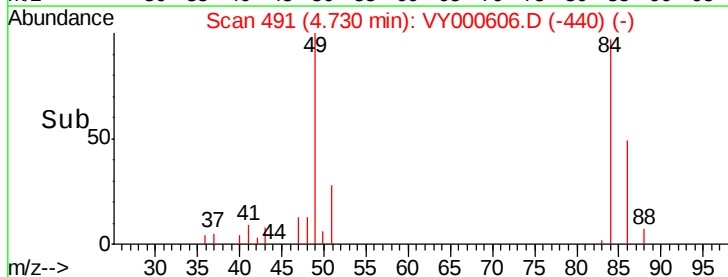
Ion 48.90 (48.60 to 49.60): VY0

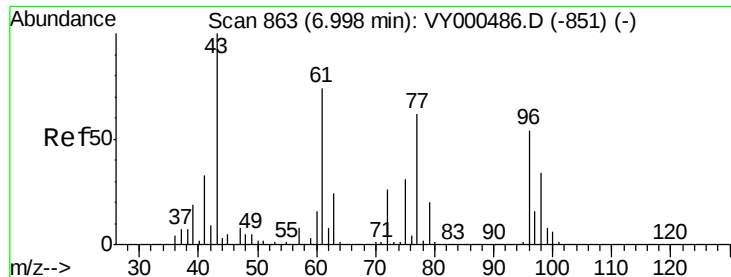
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->





#25

2-Butanone

Concen: 3.016 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.02 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

Instrument :

MSVOA_Y

ClientSampleId :

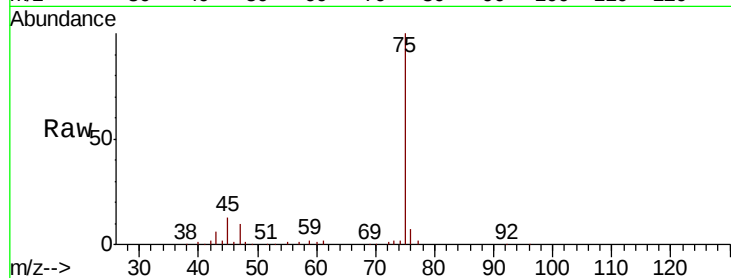
VY1108SBL01

Tot Ion: 43 Resp: 3332

Ion Ratio Lower Upper

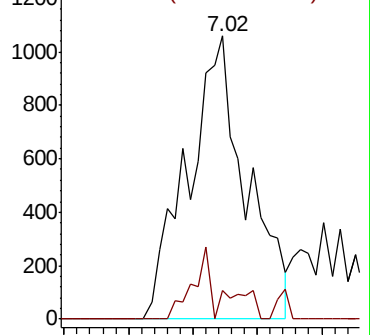
43 100

72 9.9 20.9 31.3#

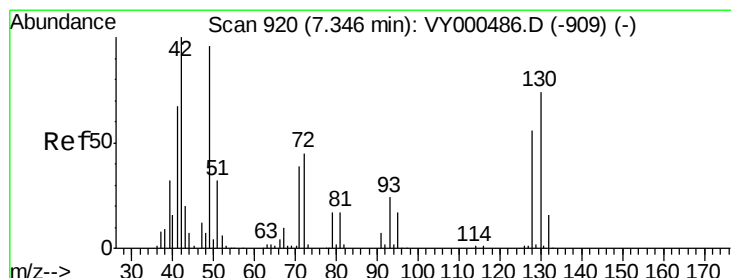
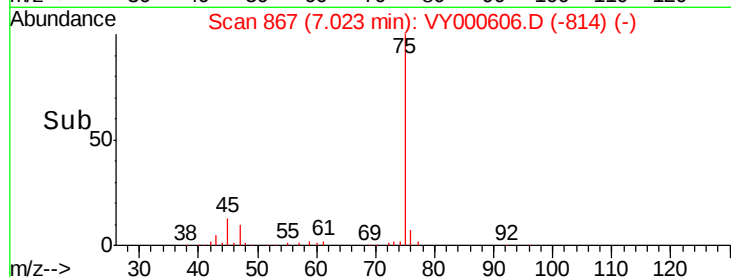


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time--> 6.90 6.95 7.00 7.05 7.10



#28

Bromochloromethane

Concen: 4.145 ug/l

RT: 7.34 min Scan# 919

Delta R.T. -0.01 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

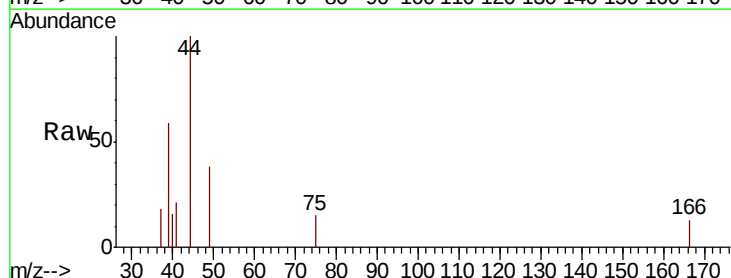
Tgt Ion: 49 Resp: 121

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

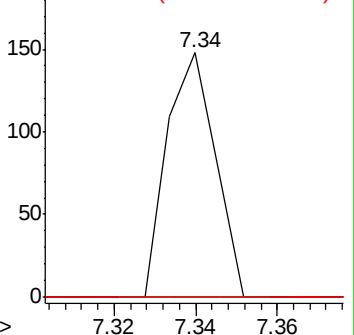
130 0.0 59.4 89.0#



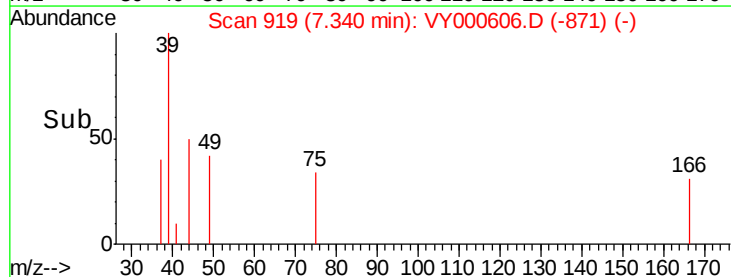
Abundance Ion 48.90 (48.60 to 49.60): VY0

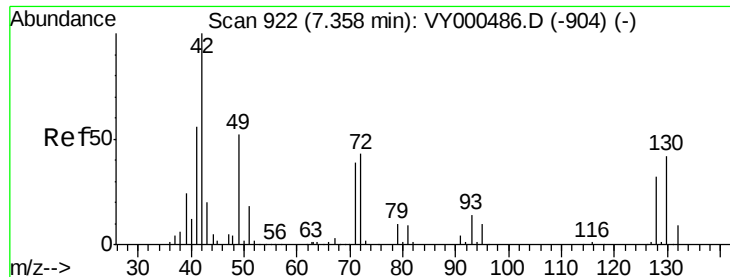
Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time--> 7.32 7.34 7.36





#29

Tetrahydrofuran

Concen: 1.244 ug/l

RT: 7.38 min Scan# 926

Delta R.T. 0.02 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBL01

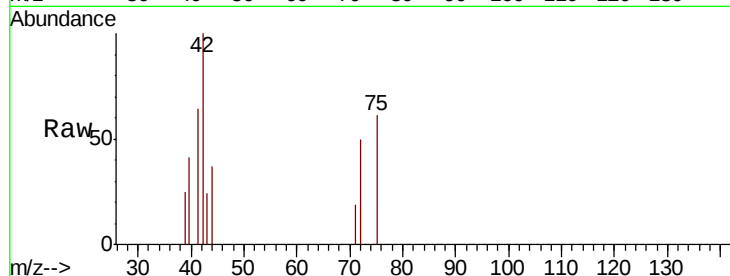
Tot Ion: 42 Resp: 841

Ion Ratio Lower Upper

42 100

72 13.2 34.0 51.0#

71 14.7 30.8 46.2#

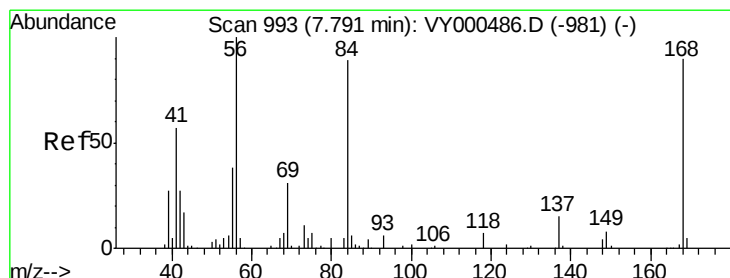
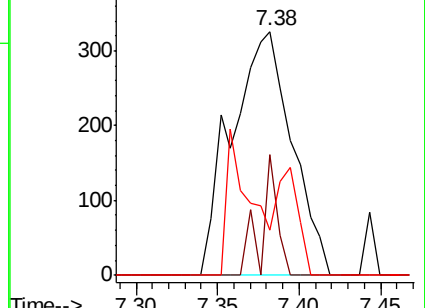
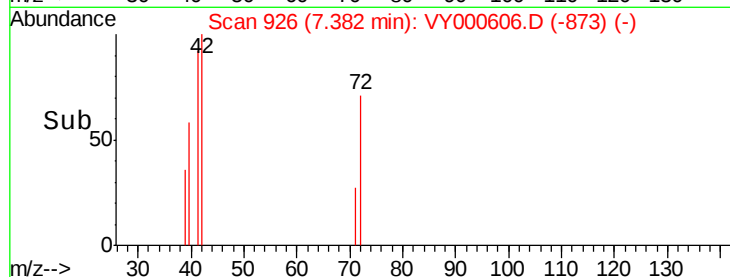


Abundance Ion 42.00 (41.70 to 42.70): VY0

Ion 72.00 (71.70 to 72.70): VY0

Ion 71.00 (70.70 to 71.70): VY0

Time--> 7.30 7.35 7.40 7.45



#31

Cyclohexane

Concen: 1.288 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

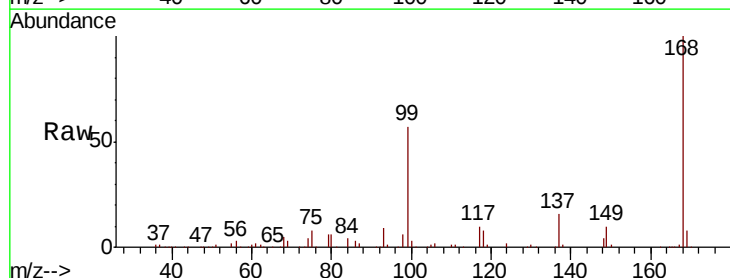
Tgt Ion: 56 Resp: 6263

Ion Ratio Lower Upper

56 100

69 120.7 25.0 37.6#

84 140.6 71.4 107.2#

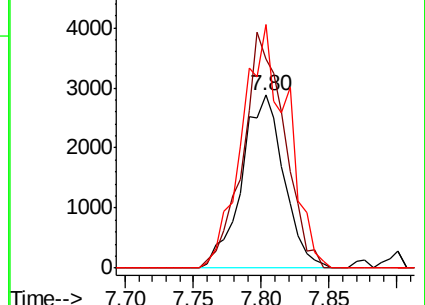
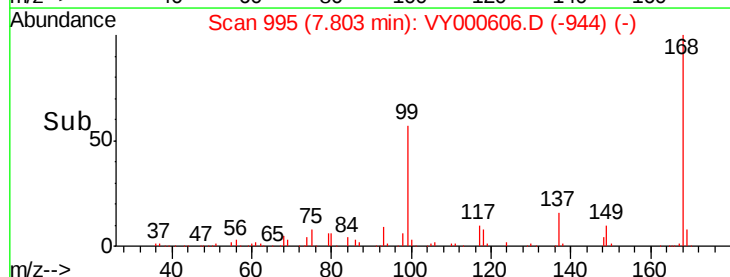


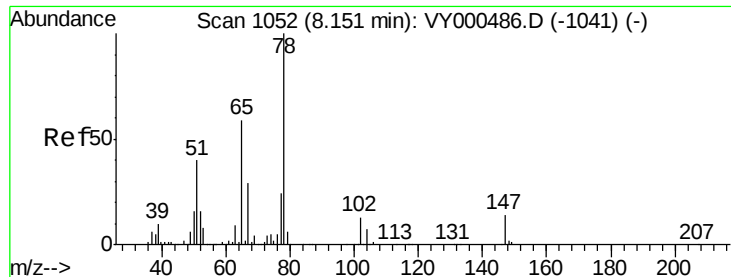
Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

Time--> 7.70 7.75 7.80 7.85





#33

1,2-Dichloroethane-d4

Concen: 57.380 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

Instrument :

MSVOA_Y

ClientSampleId :

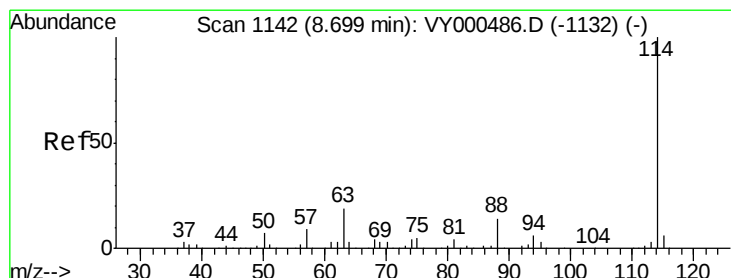
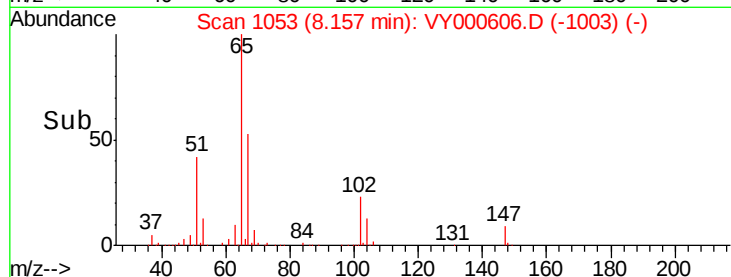
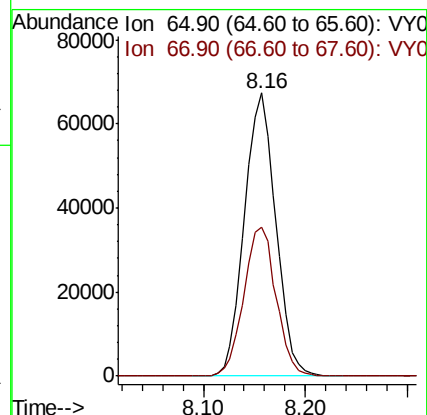
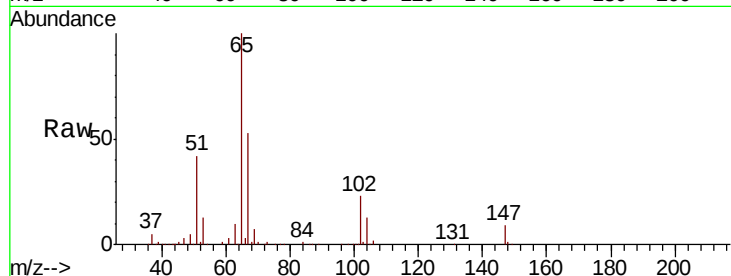
VY1108SBL01

Tot Ion: 65 Resp: 144115

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

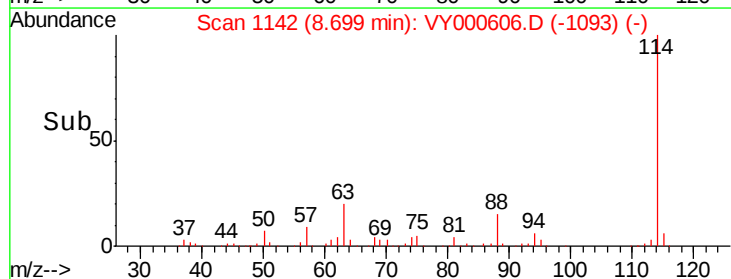
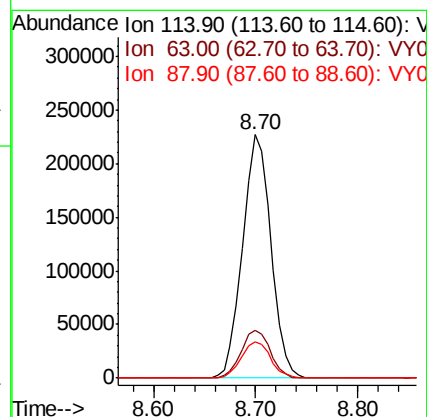
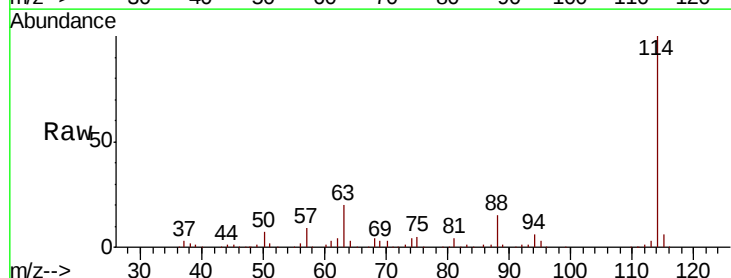
Tgt Ion: 114 Resp: 437102

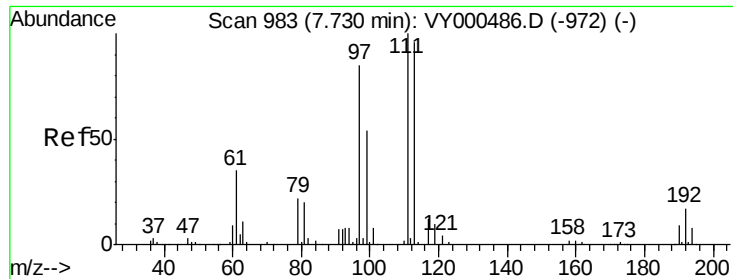
Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.0

88 14.7 0.0 28.6

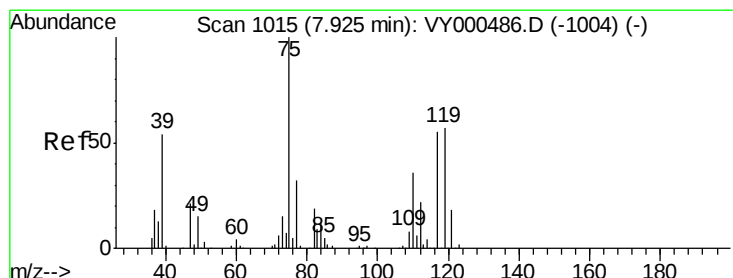
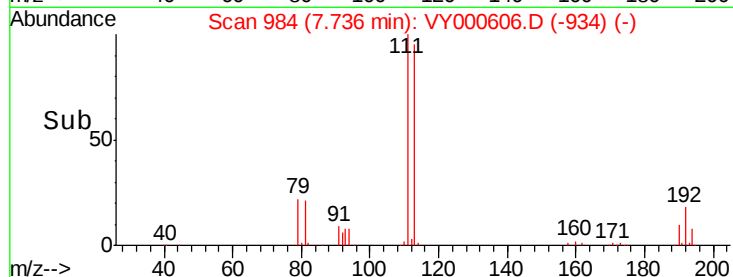
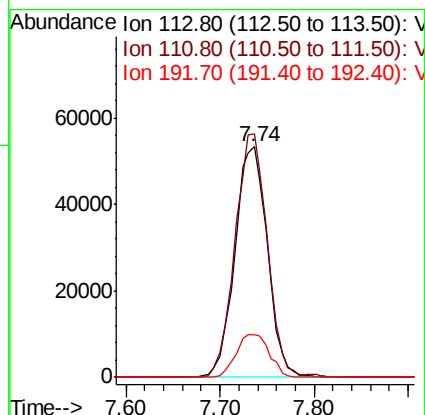
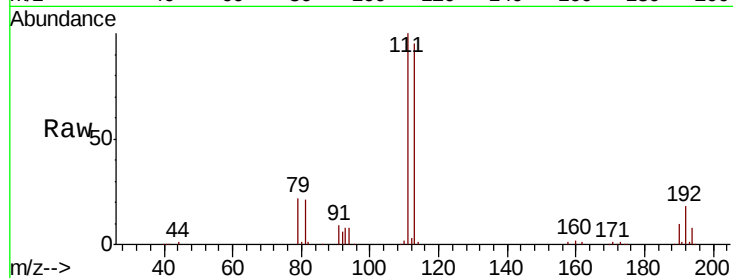




#35
Dibromofluoromethane
Concen: 50.017 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY000606.D
Acq: 08 Nov 2019 10:56

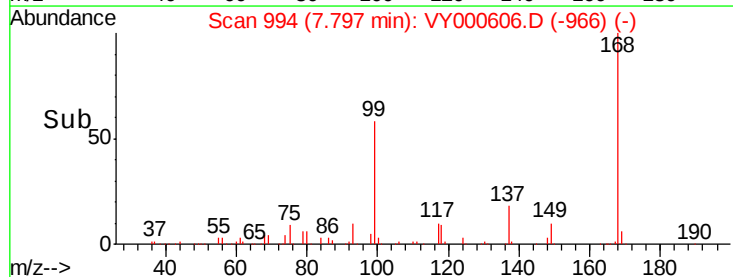
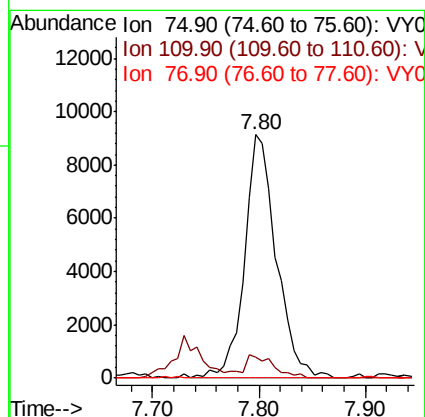
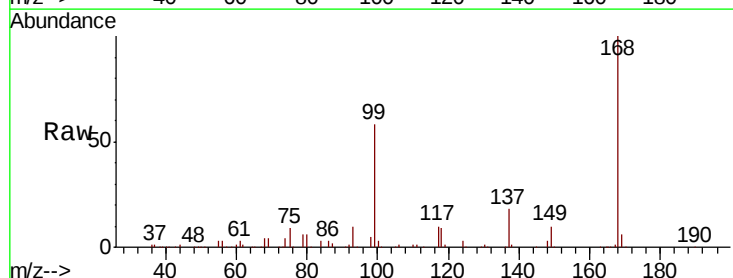
Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

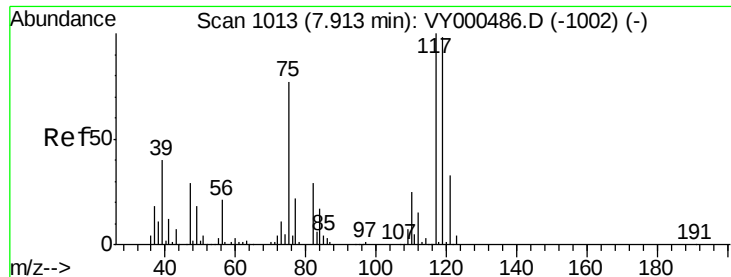
Tot Ion:113 Resp: 128347
Ion Ratio Lower Upper
113 100
111 104.5 81.7 122.5
192 19.1 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.653 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY000606.D
Acq: 08 Nov 2019 10:56

Tgt Ion: 75 Resp: 19226
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.1#
77 0.0 25.0 37.6#





#38

Carbon Tetrachloride

Concen: 6.039 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBL01

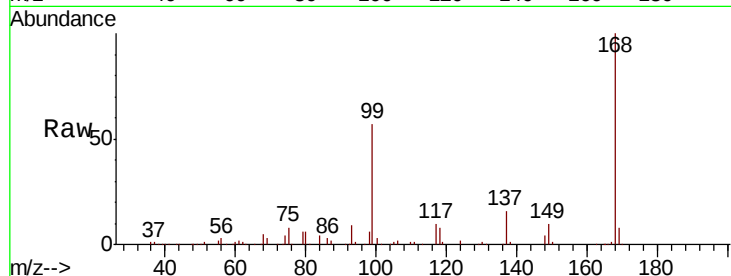
Tot Ion:117 Resp: 24013

Ion Ratio Lower Upper

117 100

119 5.9 78.0 117.0#

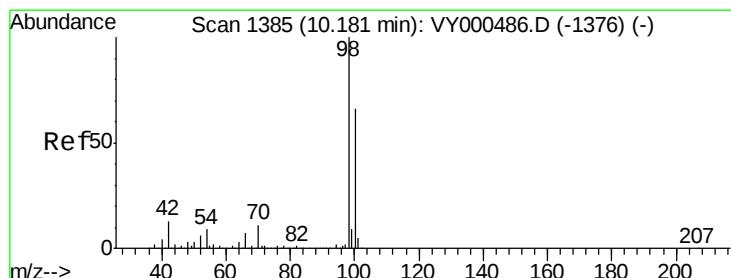
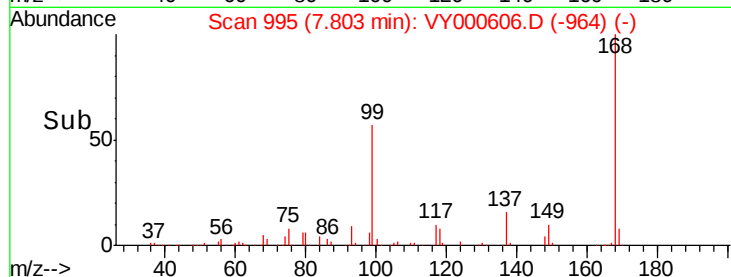
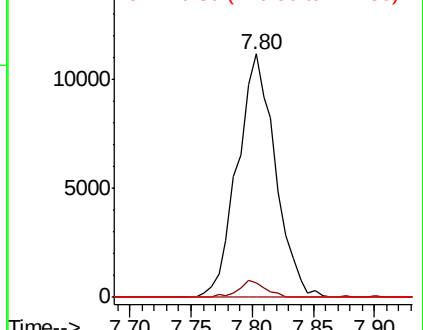
121 0.0 26.6 40.0#



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



#50

Toluene-d8

Concen: 52.443 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VY000606.D

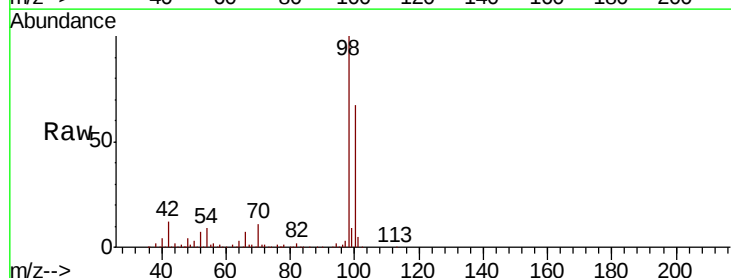
Acq: 08 Nov 2019 10:56

Tgt Ion: 98 Resp: 510627

Ion Ratio Lower Upper

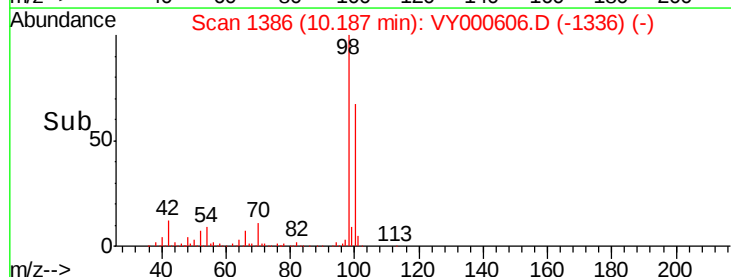
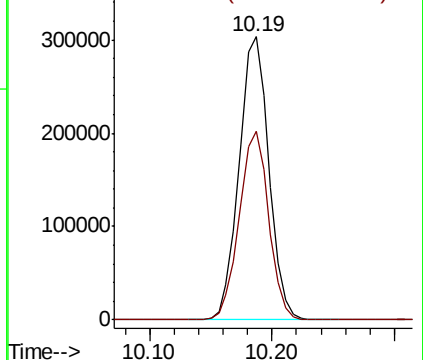
98 100

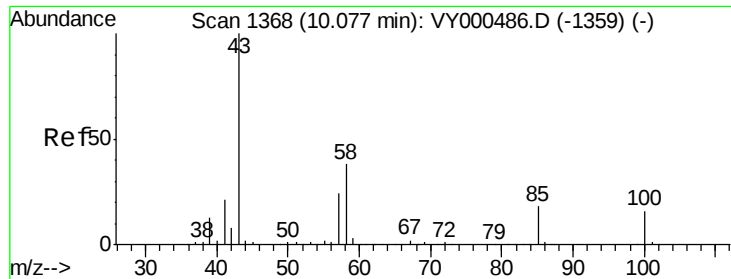
100 66.0 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY





#51

4-Methyl-2-Pentanone

Concen: 1.406 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

Instrument :

MSVOA_Y

ClientSampleId :

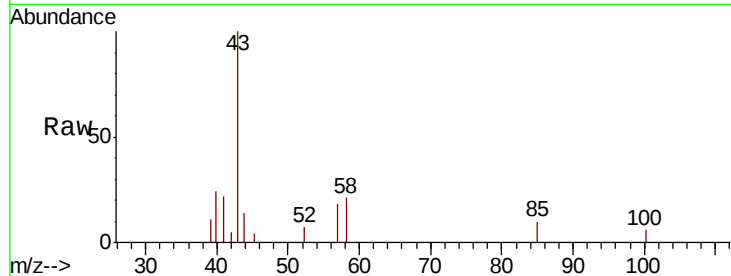
VY1108SBL01

Tot Ion: 43 Resp: 3445

Ion Ratio Lower Upper

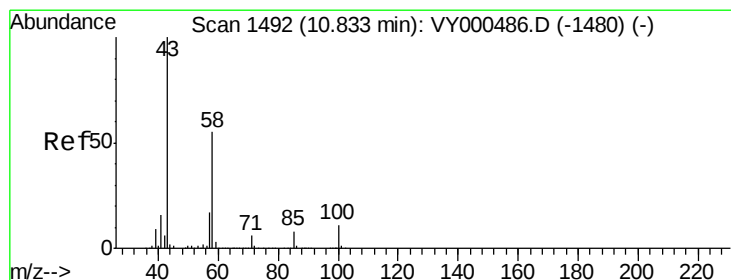
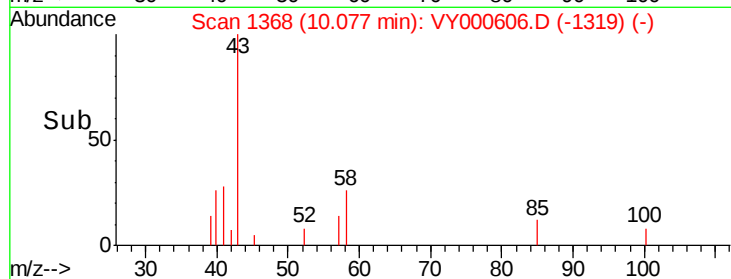
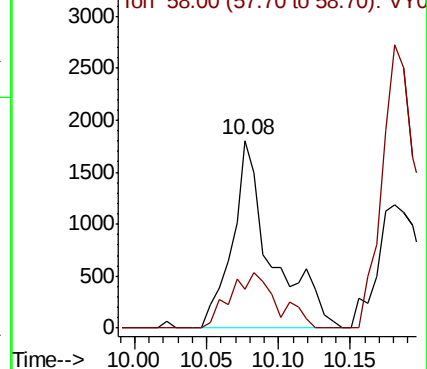
43 100

58 35.5 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY000486.D (-1359) (-)



#59

2-Hexanone

Concen: 1.218 ug/l

RT: 10.84 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VY000606.D

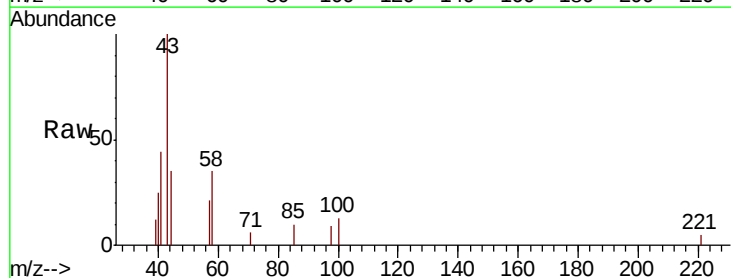
Acq: 08 Nov 2019 10:56

Tgt Ion: 43 Resp: 2175

Ion Ratio Lower Upper

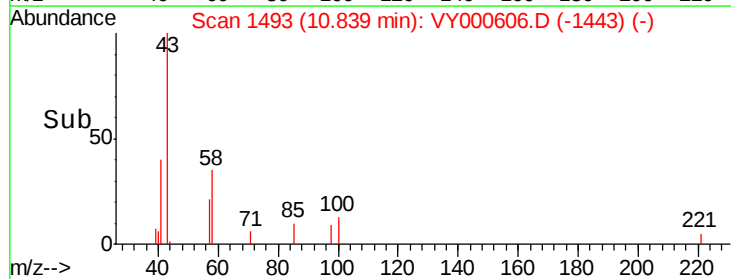
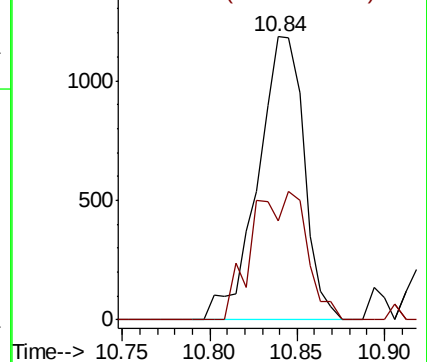
43 100

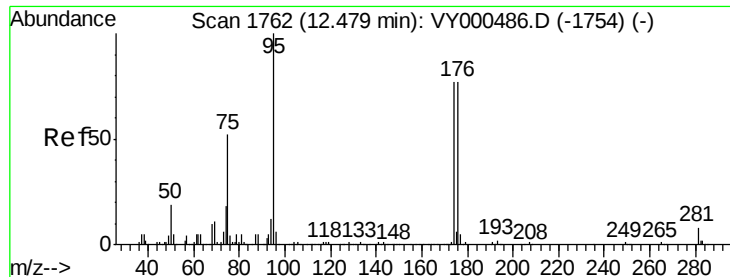
58 53.9 27.1 81.3



Abundance Ion 43.00 (42.70 to 43.70): VY000486.D (-1480) (-)

Ion 58.00 (57.70 to 58.70): VY000486.D (-1480) (-)

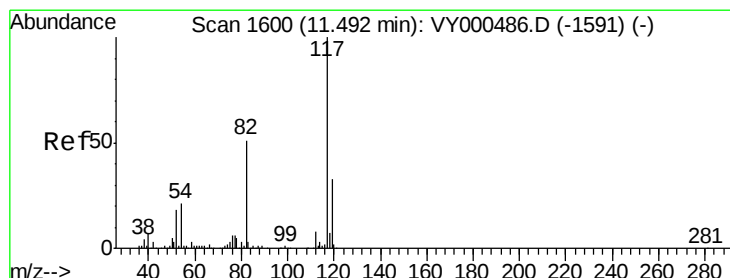
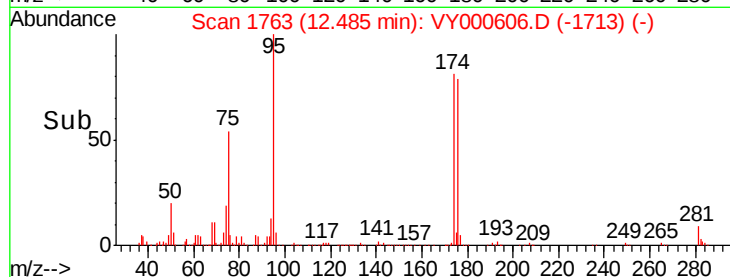
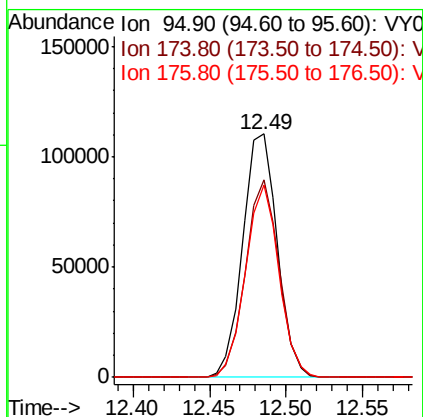
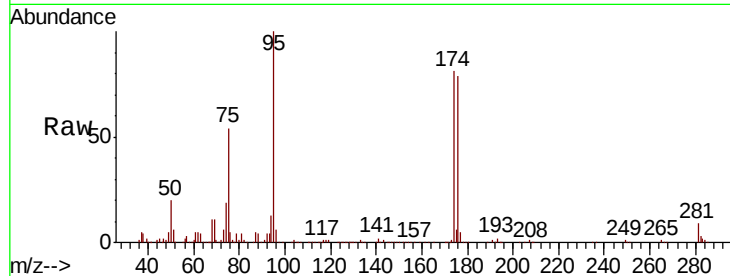




#62
4-Bromofluorobenzene
Concen: 46.660 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. 0.01 min
Lab File: VY000606.D
Acq: 08 Nov 2019 10:56

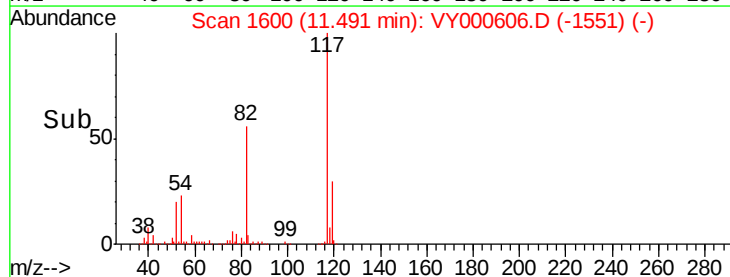
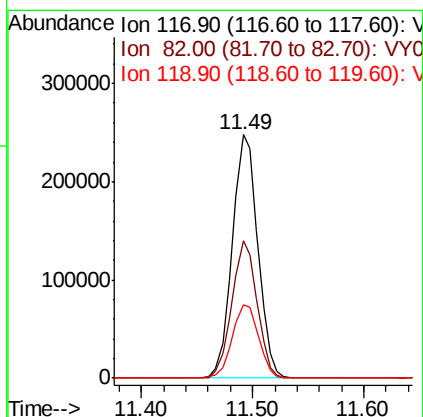
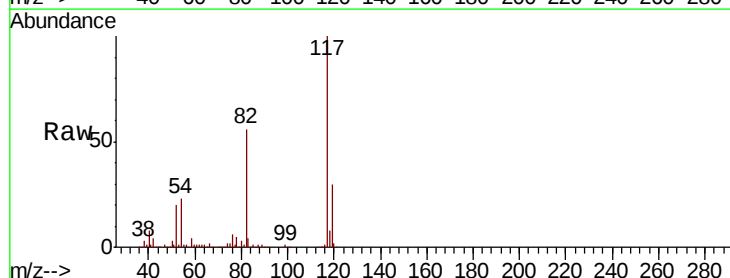
Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

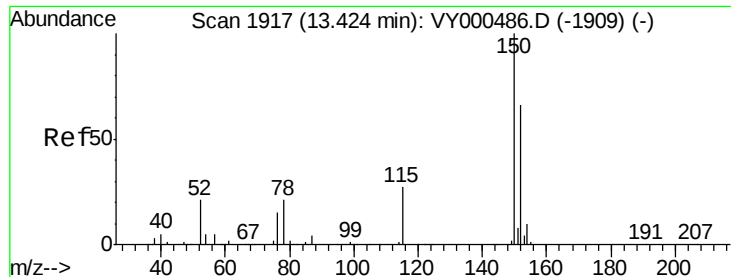
Tot Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	161.6
176	76.7	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000606.D
Acq: 08 Nov 2019 10:56

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	40.8	61.2
119	30.1	26.2	39.2



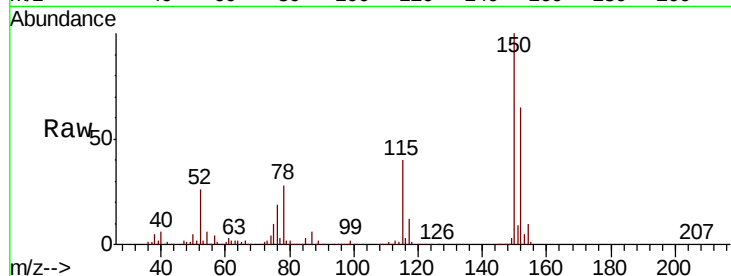


#72

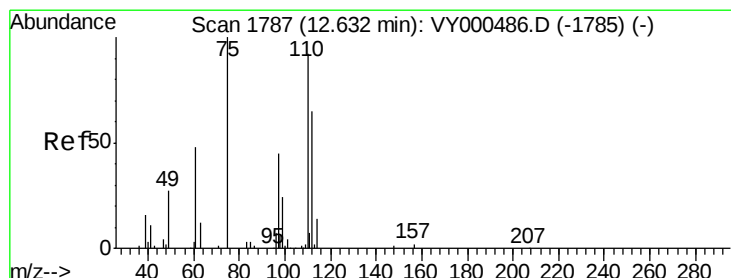
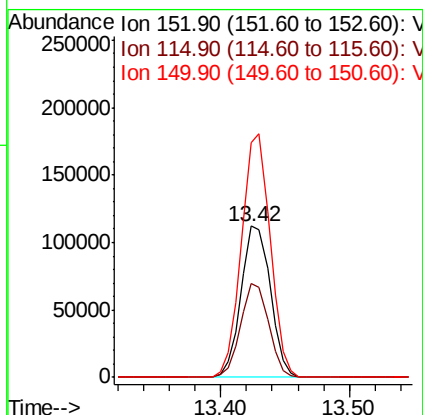
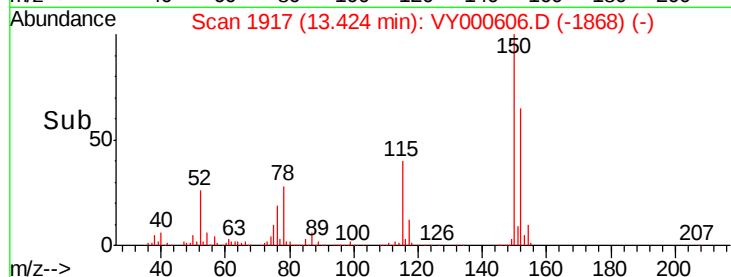
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000606.D
Acq: 08 Nov 2019 10:56

Instrument :
MSVOA_Y
ClientSampleId :
VY1108SBL01

Tot Ion:152 Resp: 176846
Ion Ratio Lower Upper
152 100
115 59.5 29.1 87.4
150 157.1 0.0 348.8



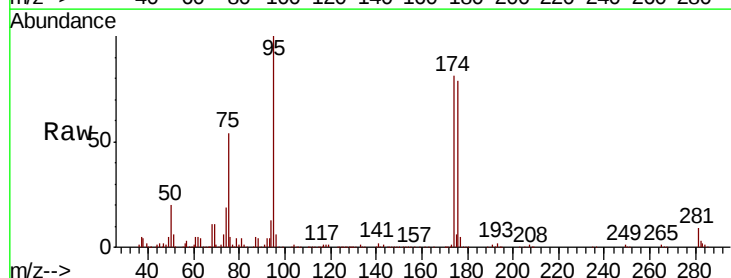
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



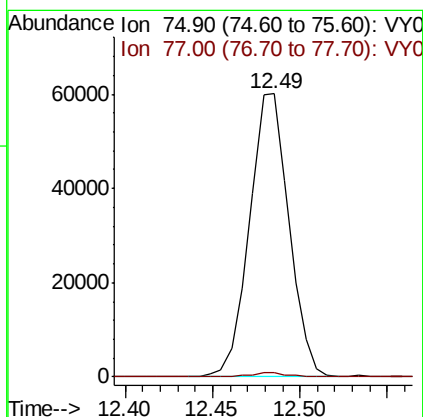
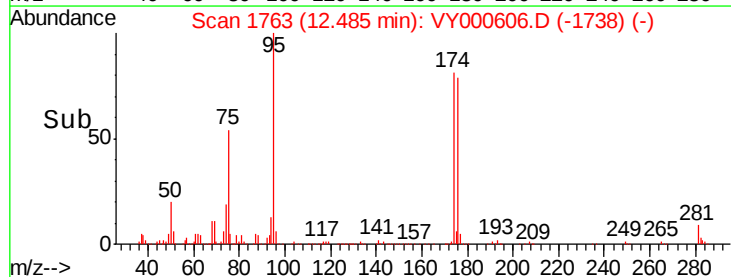
#76

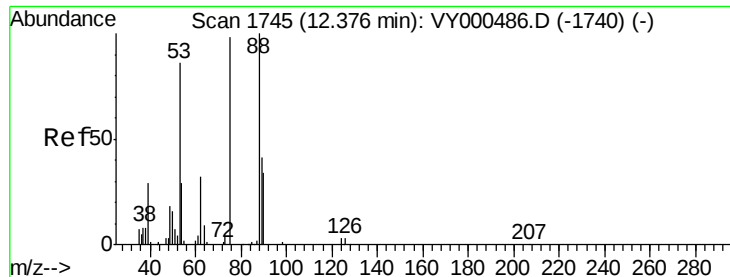
1,2,3-Trichloropropane
Concen: 46.799 ug/l
RT: 12.49 min Scan# 1763
Delta R.T. -0.15 min
Lab File: VY000606.D
Acq: 08 Nov 2019 10:56

Tgt Ion: 75 Resp: 94235
Ion Ratio Lower Upper
75 100
77 1.2 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: 104.928 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.11 min

Lab File: VY000606.D

Acq: 08 Nov 2019 10:56

Instrument :

MSVOA_Y

ClientSampleId :

VY1108SBL01

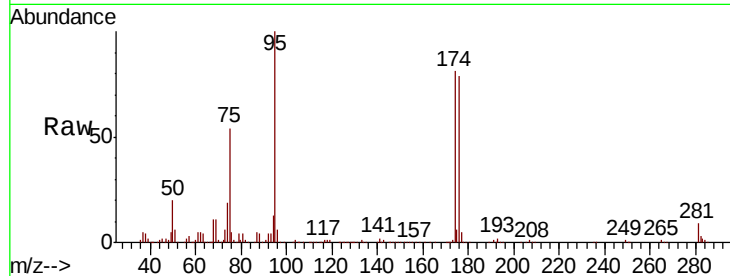
Tot Ion: 75 Resp: 94235

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.3 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

