

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000693.D
 Acq On : 15 Nov 2019 12:16
 Operator : SY/MD
 Sample : K5861-01
 Misc : 5.48G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:30:09 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	178687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	324231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	291563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	133829	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	108292	58.56	ug/l	0.00
Spiked Amount			Recovery	=	117.12%	
35) Dibromofluoromethane	7.73	113	95160	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.18	98	376210	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.48	95	128974	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	

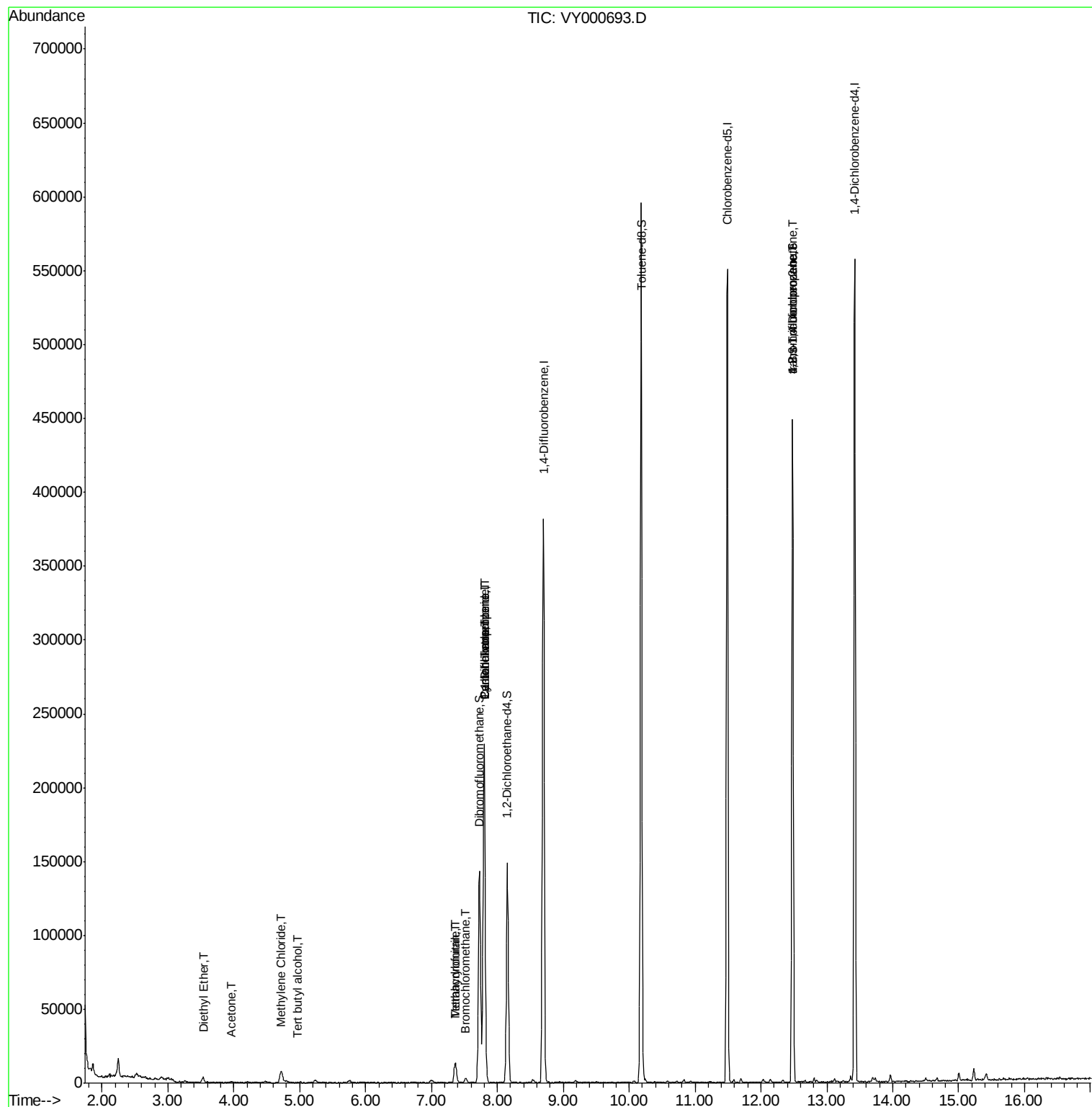
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	1825	1.690	ug/l	60
11) Tert butyl alcohol	4.97	59	238	1.322	ug/l #	72
16) Acetone	3.96	43	934	1.833	ug/l #	71
20) Methylene Chloride	4.72	84	6185	2.832	ug/l #	92
28) Bromochloromethane	7.52	49	222	4.223	ug/l #	14
29) Tetrahydrofuran	7.36	42	11487	23.085	ug/l	99
31) Cyclohexane	7.80	56	4690	1.310	ug/l #	48
36) 1,1-Dichloropropene	7.80	75	14850	4.845	ug/l #	49
38) Carbon Tetrachloride	7.80	117	17905	6.071	ug/l #	17
41) Methacrylonitrile	7.36	41	6311	6.217	ug/l #	50
76) 1,2,3-Trichloropropane	12.48	75	70715	46.406	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	70715	104.049	ug/l #	13

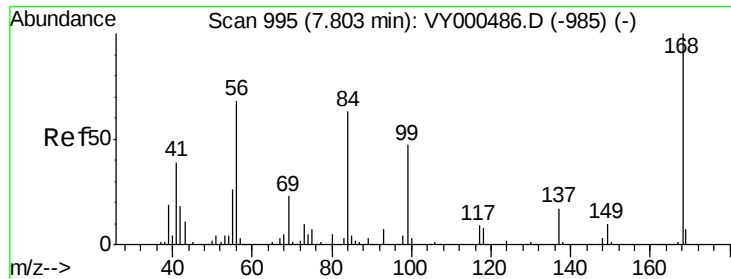
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000693.D

Acq: 15 Nov 2019 12:16

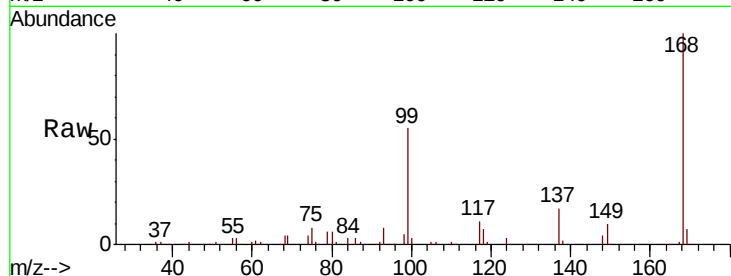
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 178687

Ion Ratio Lower Upper

168 100

99 55.1 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

80000

60000

40000

20000

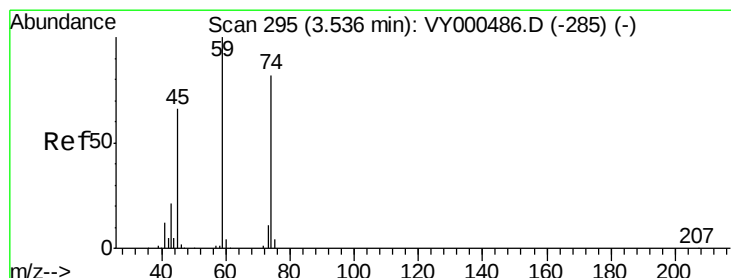
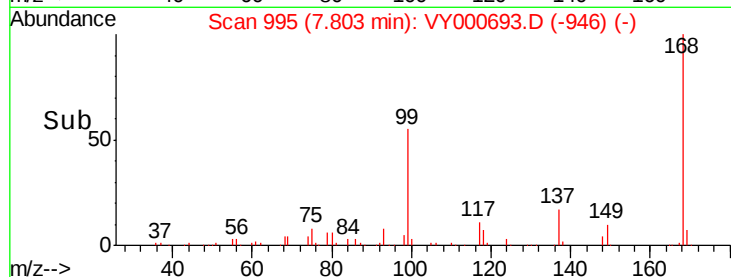
0

Time-->

7.70

7.80

7.90



#8

Diethyl Ether

Concen: 1.690 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000693.D

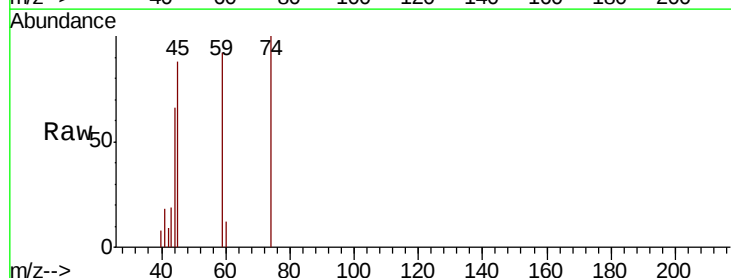
Acq: 15 Nov 2019 12:16

Tgt Ion: 74 Resp: 1825

Ion Ratio Lower Upper

74 100

45 53.2 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.54

800

600

400

200

0

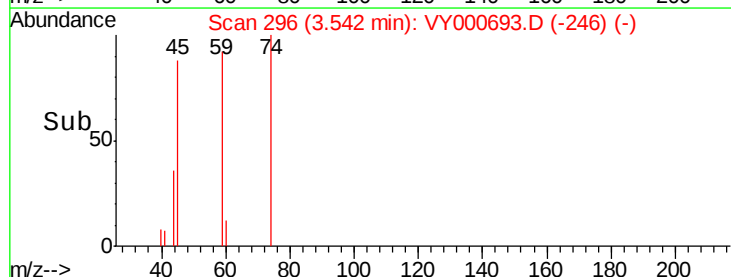
Time-->

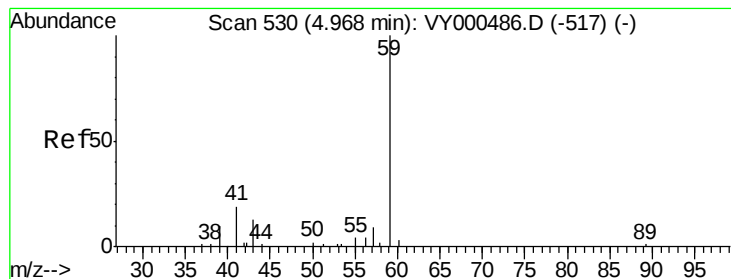
3.45

3.50

3.55

3.60





#11

Tert butyl alcohol

Concen: 1.322 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.00 min

Lab File: VY000693.D

Acq: 15 Nov 2019 12:16

Instrument :

MSVOA_Y

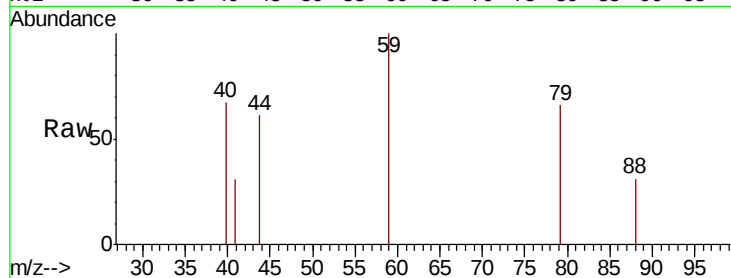
ClientSampleId :

Tot Ion: 59 Resp: 238

Ion Ratio Lower Upper

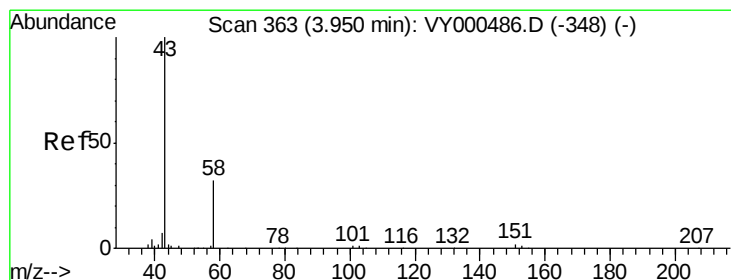
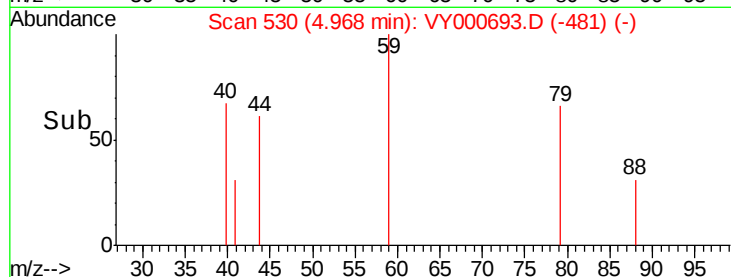
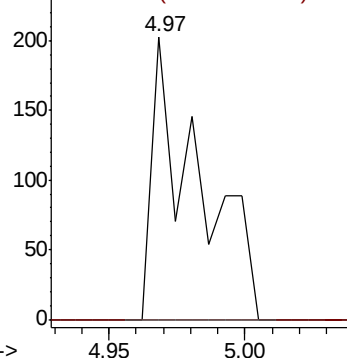
59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0



#16

Acetone

Concen: 1.833 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000693.D

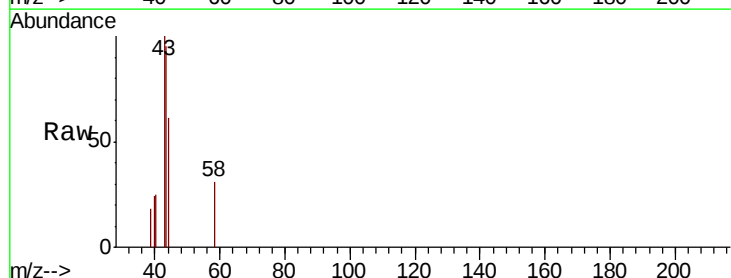
Acq: 15 Nov 2019 12:16

Tgt Ion: 43 Resp: 934

Ion Ratio Lower Upper

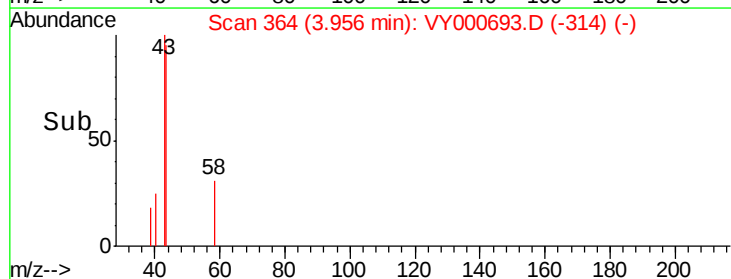
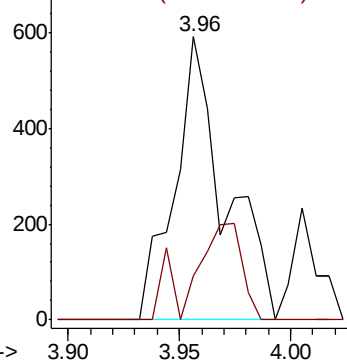
43 100

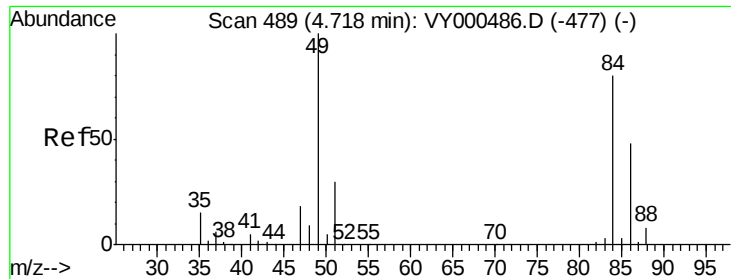
58 15.7 25.8 38.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

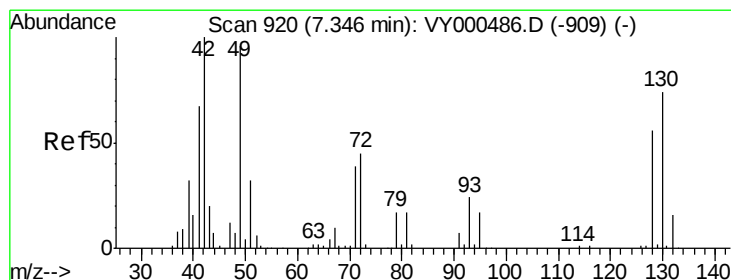
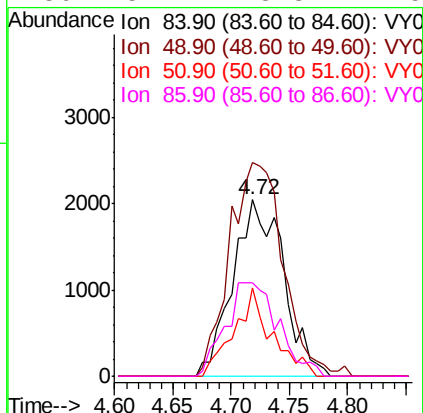
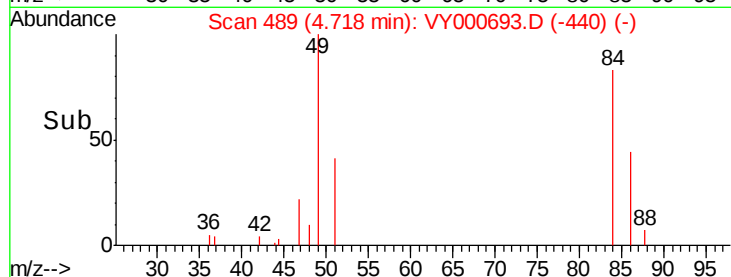
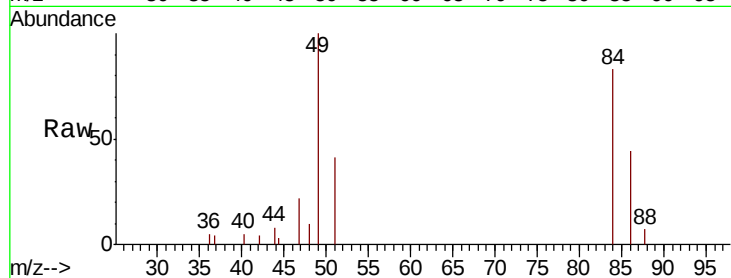




#20
Methvlene Chloride
Concen: 2.832 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000693.D
Acq: 15 Nov 2019 12:16

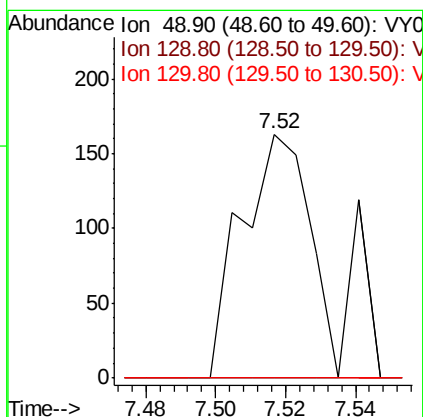
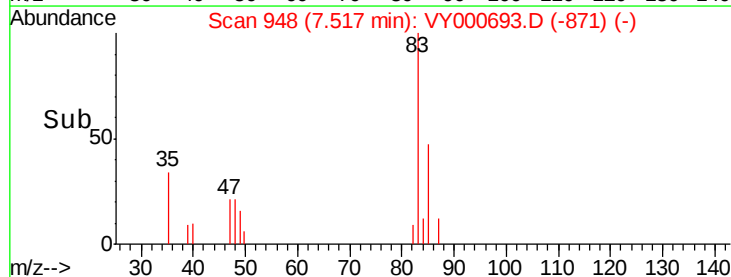
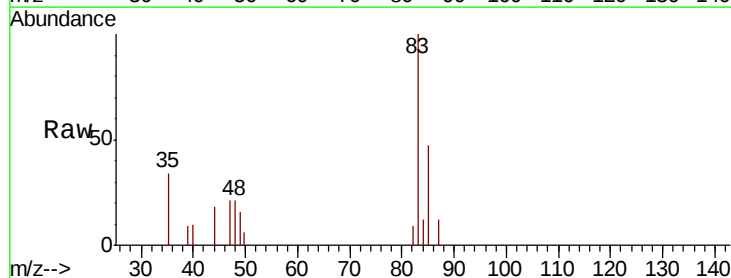
Instrument :
MSVOA_Y
ClientSampleId :

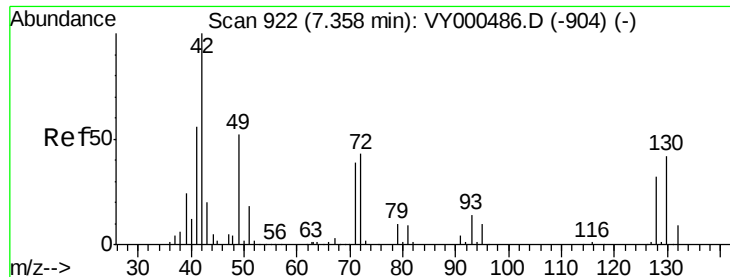
Tot Ion: 84 Resp: 6185
Ion Ratio Lower Upper
84 100
49 121.0 100.2 150.4
51 50.1 29.6 44.4#
86 52.7 48.3 72.5



#28
Bromochloromethane
Concen: 4.223 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.17 min
Lab File: VY000693.D
Acq: 15 Nov 2019 12:16

Tgt Ion: 49 Resp: 222
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#





#29

Tetrahydrofuran

Concen: 23.085 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.00 min

Lab File: VY000693.D

Acq: 15 Nov 2019 12:16

Instrument :

MSVOA_Y

ClientSampleId :

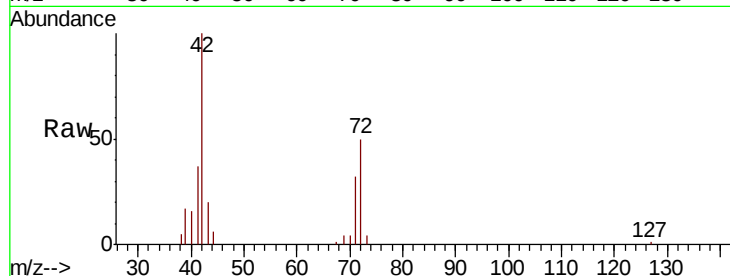
Tot Ion: 42 Resp: 11487

Ion Ratio Lower Upper

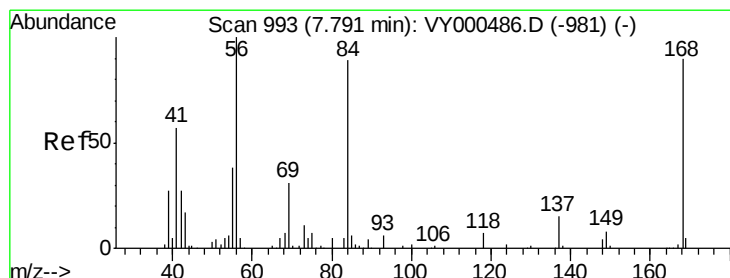
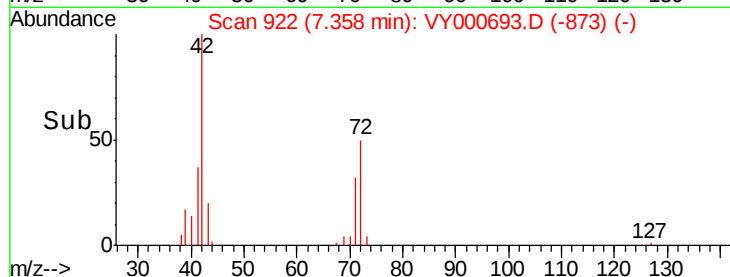
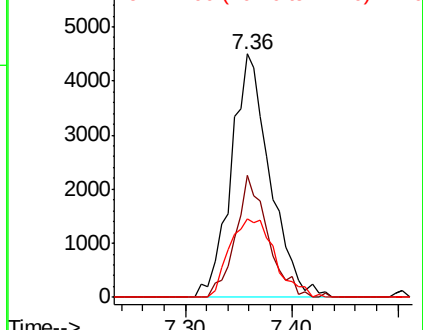
42 100

72 41.8 34.0 51.0

71 37.7 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



#31

Cyclohexane

Concen: 1.310 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000693.D

Acq: 15 Nov 2019 12:16

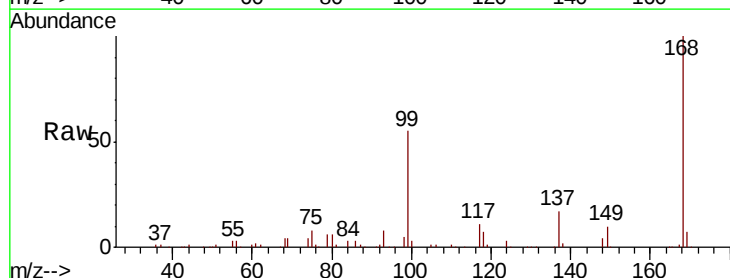
Tgt Ion: 56 Resp: 4690

Ion Ratio Lower Upper

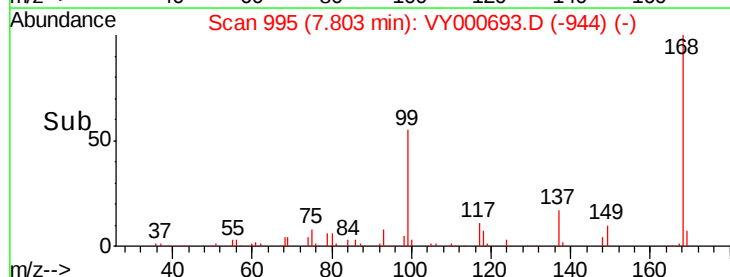
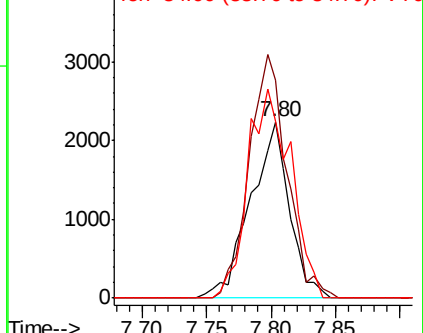
56 100

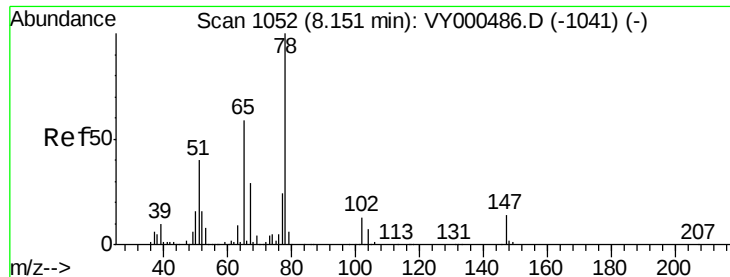
69 123.7 25.0 37.6#

84 100.4 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

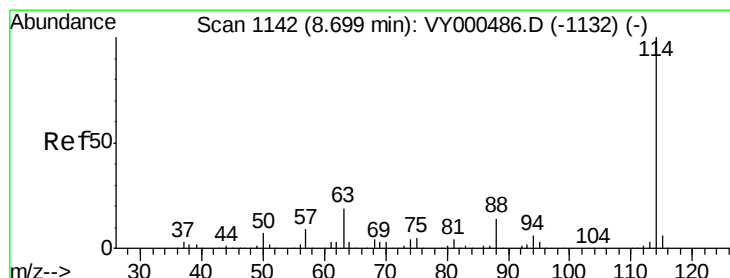
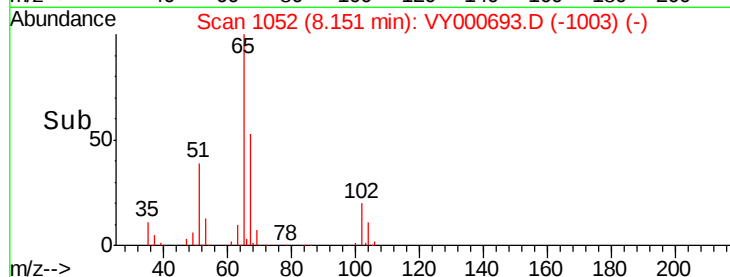
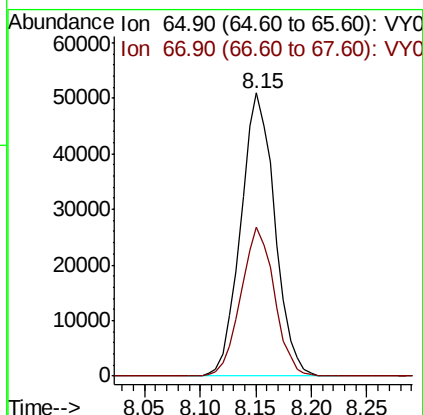
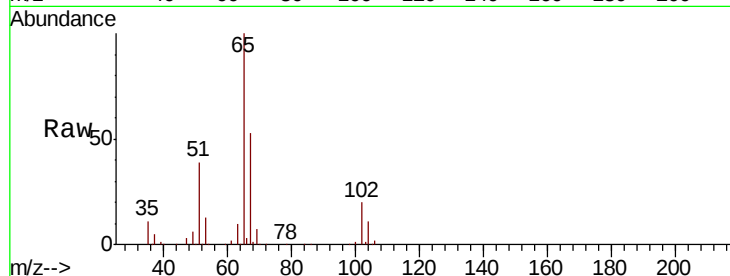




#33
 1,2-Dichloroethane-d4
 Concen: 58.562 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY000693.D
 Acq: 15 Nov 2019 12:16

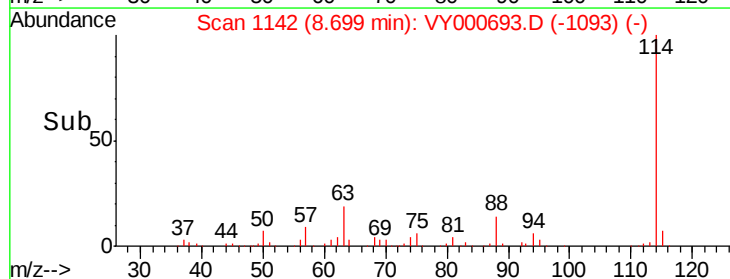
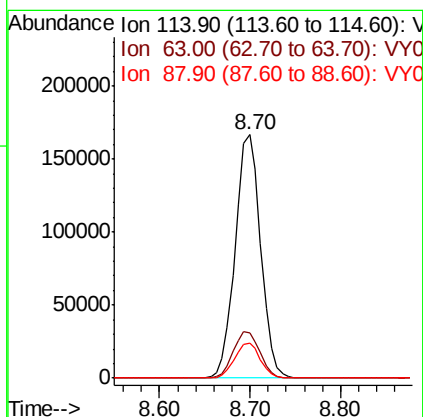
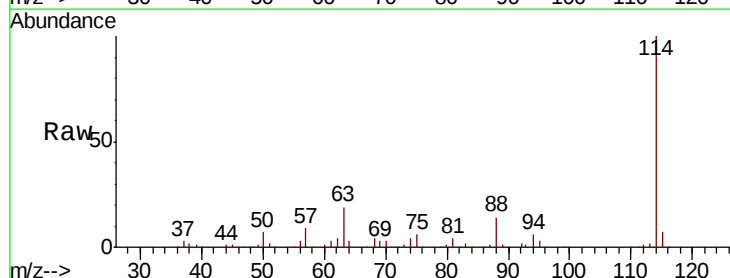
Instrument :
 MSVOA_Y
 ClientSampled :

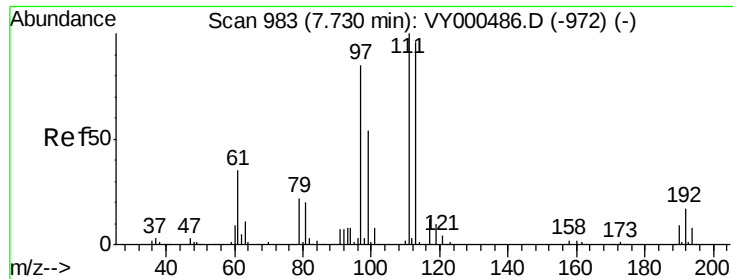
Tot Ion: 65 Resp: 108292
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000693.D
 Acq: 15 Nov 2019 12:16

Tgt Ion: 114 Resp: 324231
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.0
 88 14.4 0.0 28.6

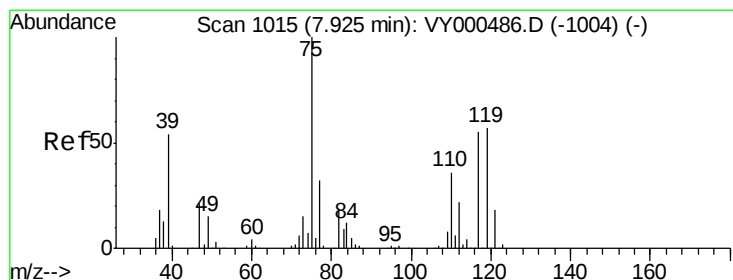
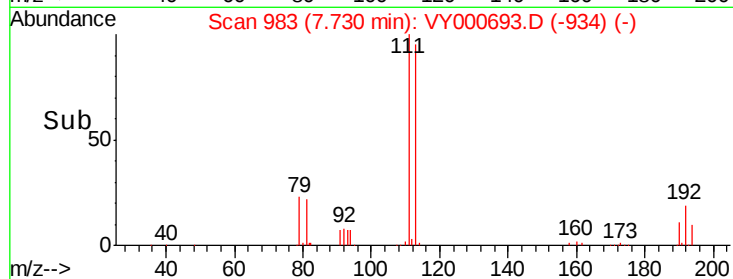
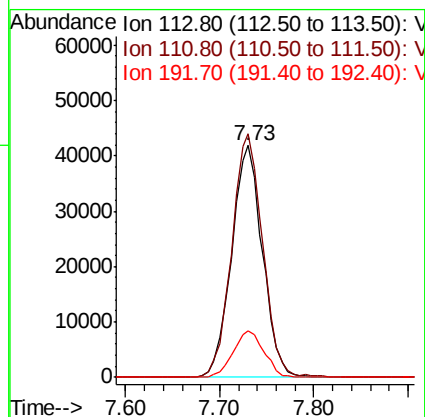
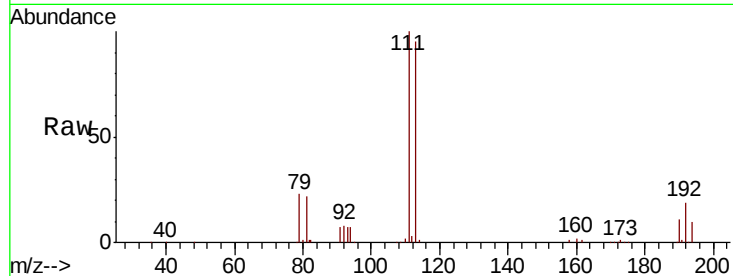




#35
 Dibromofluoromethane
 Concen: 49.994 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000693.D
 Acq: 15 Nov 2019 12:16

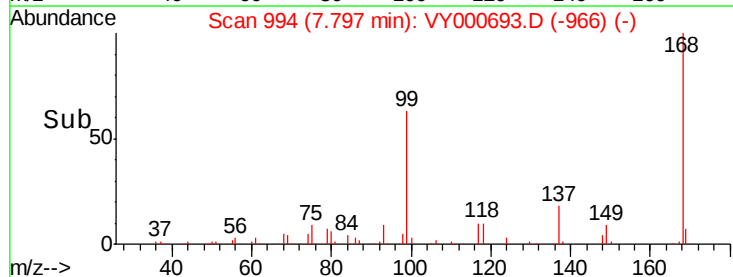
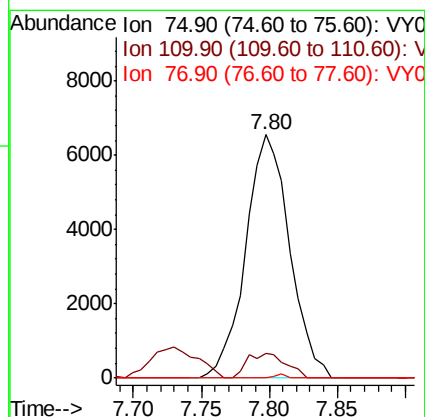
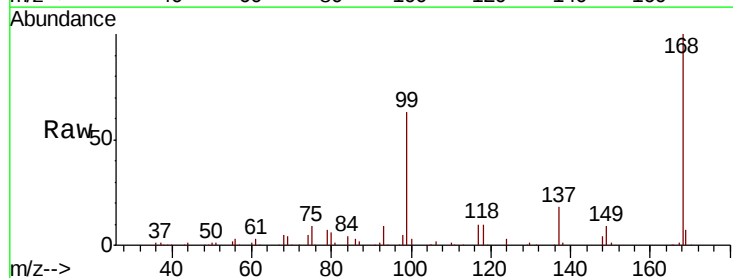
Instrument :
 MSVOA_Y
 ClientSampled :

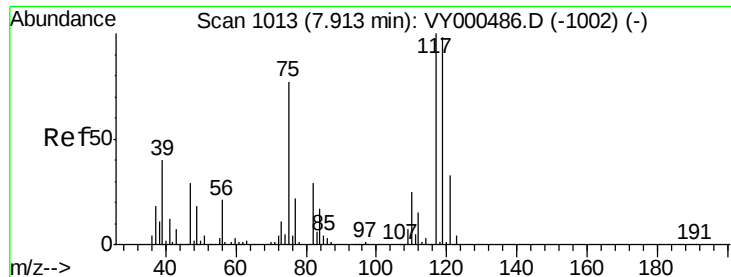
Tot Ion:113 Resp: 95160
 Ion Ratio Lower Upper
 113 100
 111 105.1 81.7 122.5
 192 20.2 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000693.D
 Acq: 15 Nov 2019 12:16

Tgt Ion: 75 Resp: 14850
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.1#
 77 0.4 25.0 37.6#

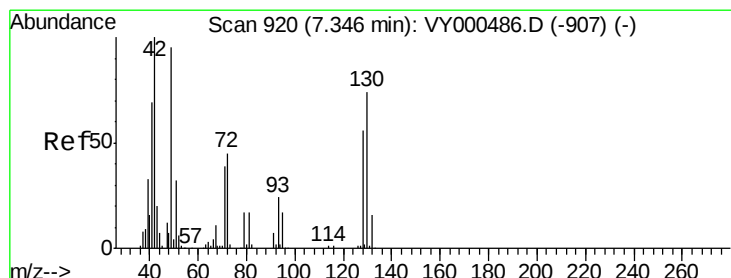
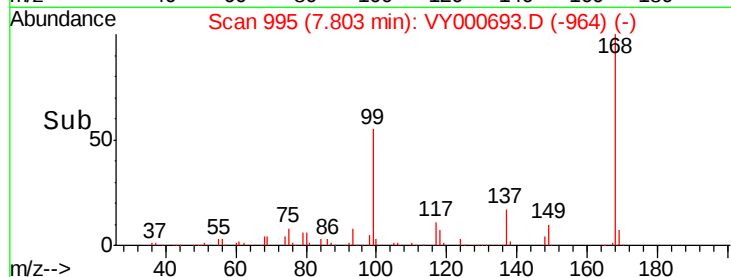
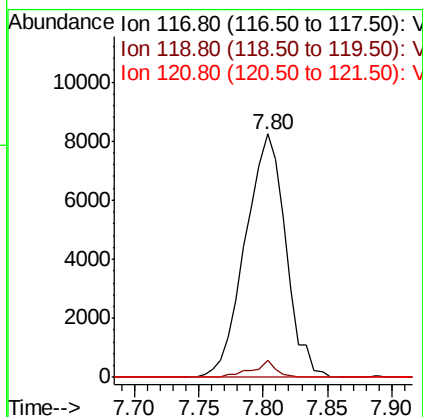
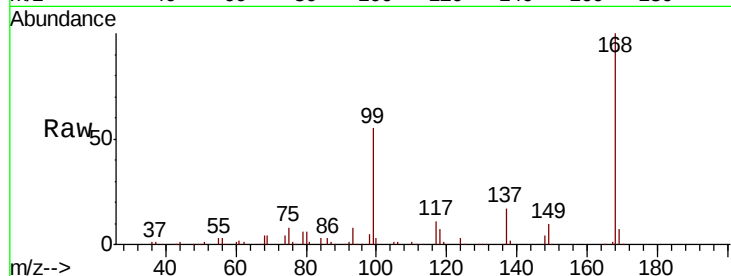




#38
Carbon Tetrachloride
Concen: 6.071 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000693.D
Acq: 15 Nov 2019 12:16

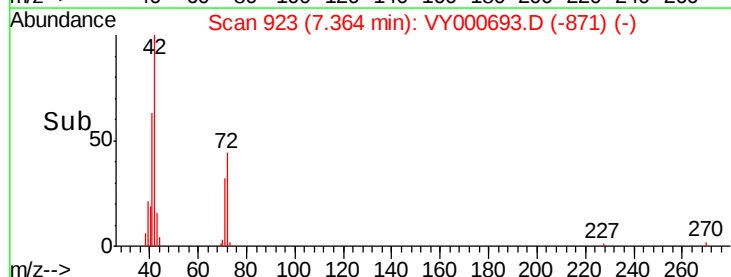
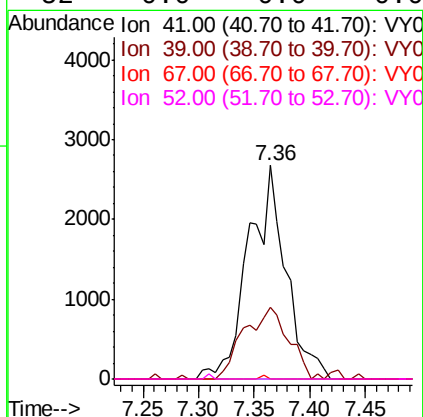
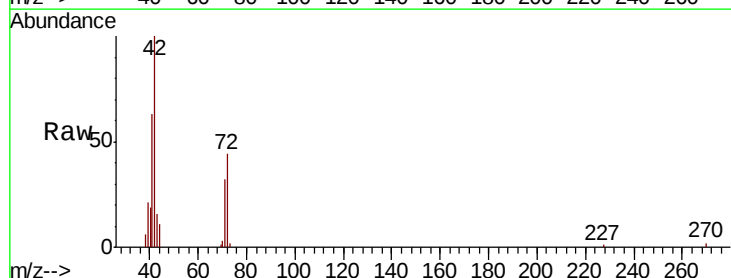
Instrument :
MSVOA_Y
ClientSampleId :

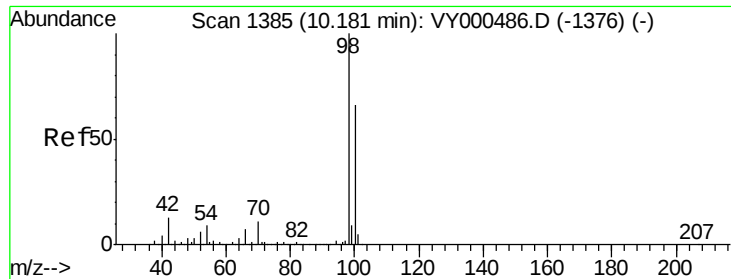
Tot Ion:117 Resp: 17905
Ion Ratio Lower Upper
117 100
119 7.0 78.0 117.0#
121 0.0 26.6 40.0#



#41
Methacrylonitrile
Concen: 6.217 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.02 min
Lab File: VY000693.D
Acq: 15 Nov 2019 12:16

Tgt Ion: 41 Resp: 6311
Ion Ratio Lower Upper
41 100
39 39.8 68.2 102.4#
67 0.3 0.0 0.0#
52 0.0 0.0 0.0





#50

Toluene-d8

Concen: 52.088 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000693.D

Acq: 15 Nov 2019 12:16

Instrument :

MSVOA_Y

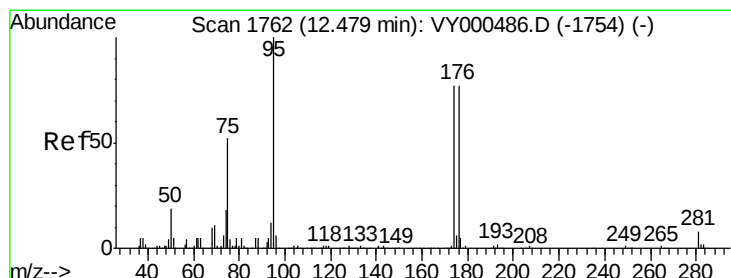
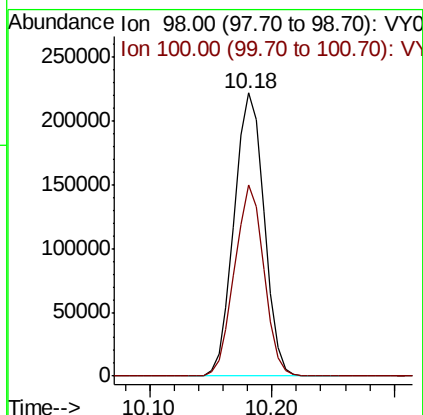
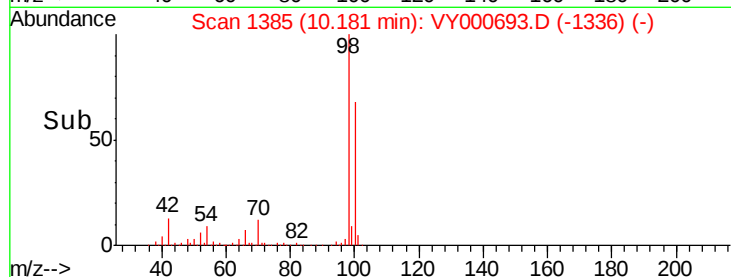
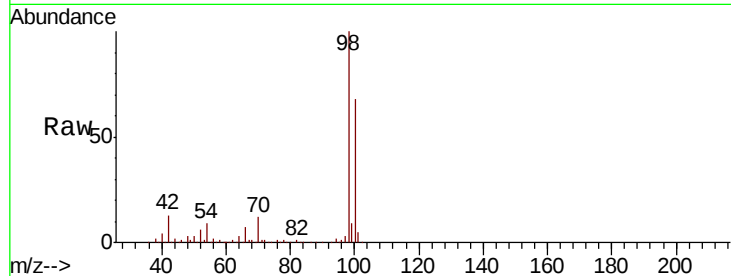
ClientSampleId :

Tot Ion: 98 Resp: 376210

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.907 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000693.D

Acq: 15 Nov 2019 12:16

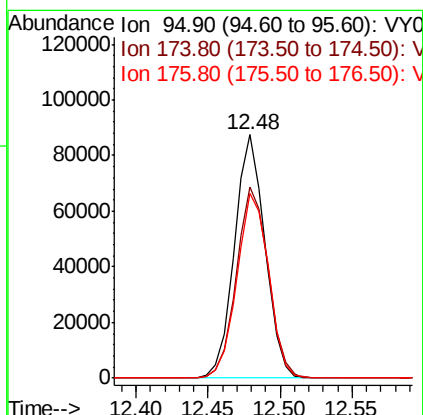
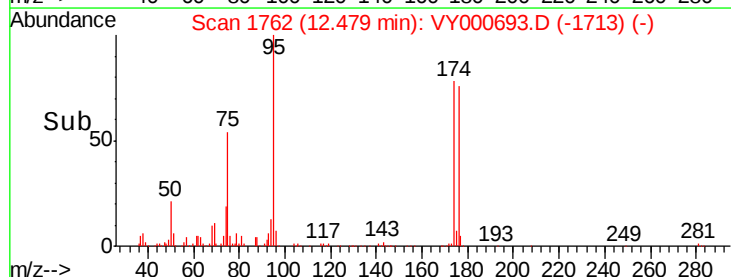
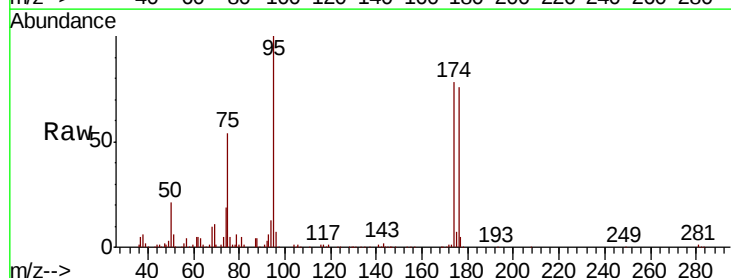
Tgt Ion: 95 Resp: 128974

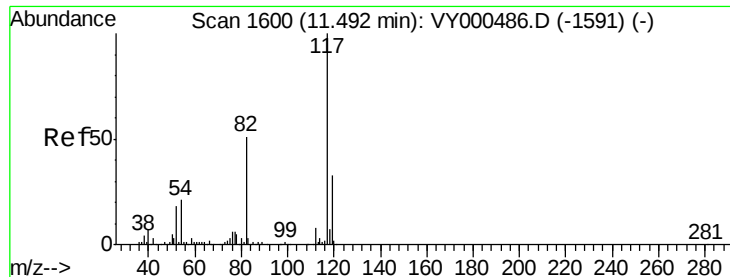
Ion Ratio Lower Upper

95 100

174 81.5 0.0 161.6

176 78.8 0.0 157.8

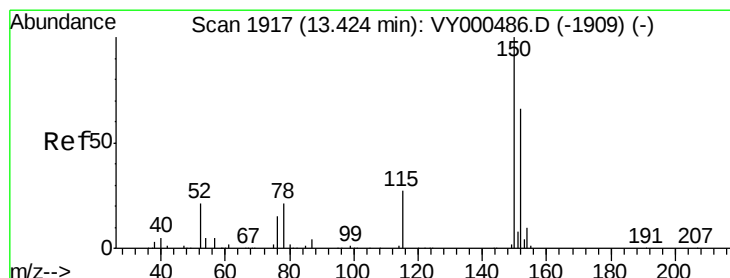
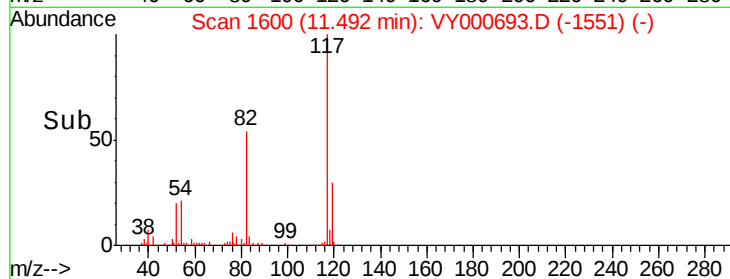
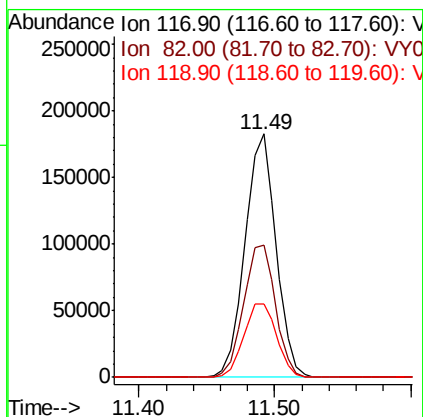
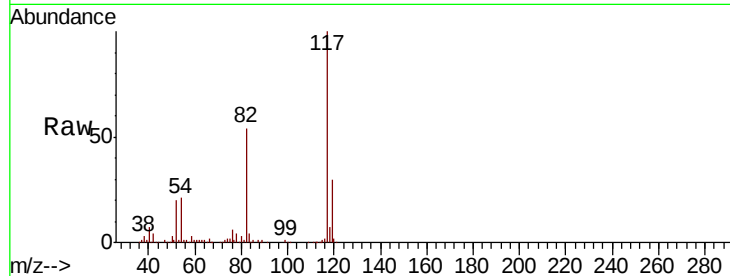




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000693.D
Acq: 15 Nov 2019 12:16

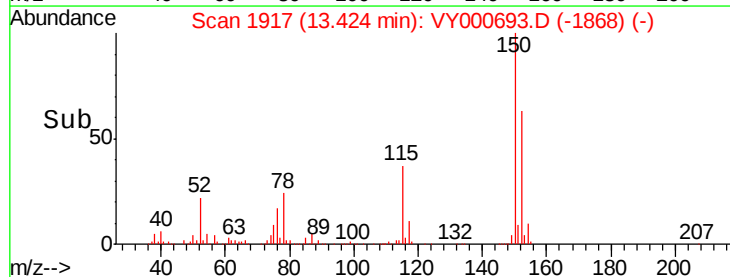
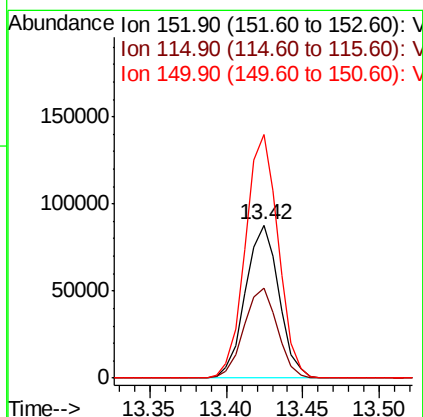
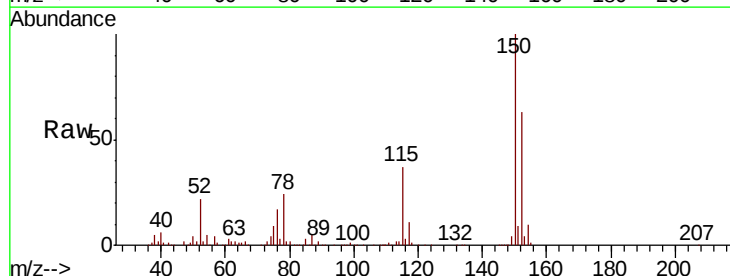
Instrument :
MSVOA_Y
ClientSampleId :

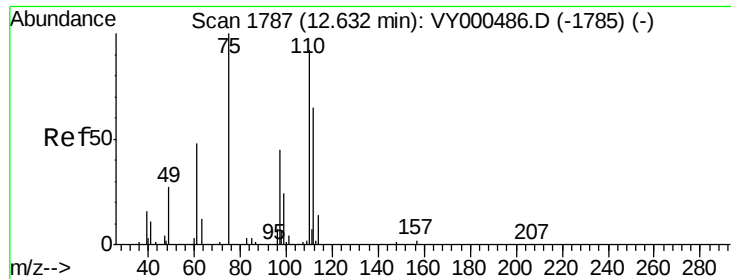
Tot Ion:117 Resp: 291563
Ion Ratio Lower Upper
117 100
82 54.4 40.8 61.2
119 30.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000693.D
Acq: 15 Nov 2019 12:16

Tgt Ion:152 Resp: 133829
Ion Ratio Lower Upper
152 100
115 58.7 29.1 87.4
150 156.0 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 46.406 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000693.D

Acq: 15 Nov 2019 12:16

Instrument :

MSVOA_Y

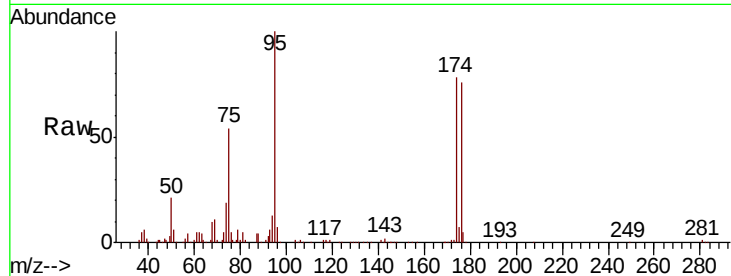
ClientSampled :

Tot Ion: 75 Resp: 70715

Ion Ratio Lower Upper

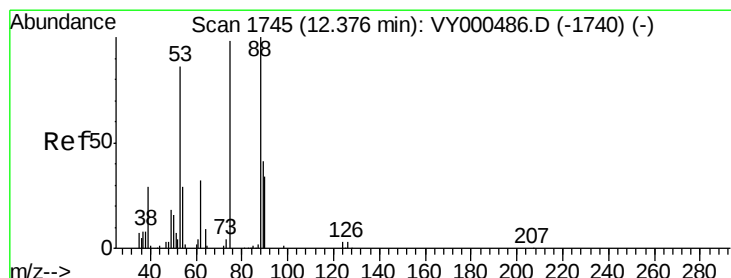
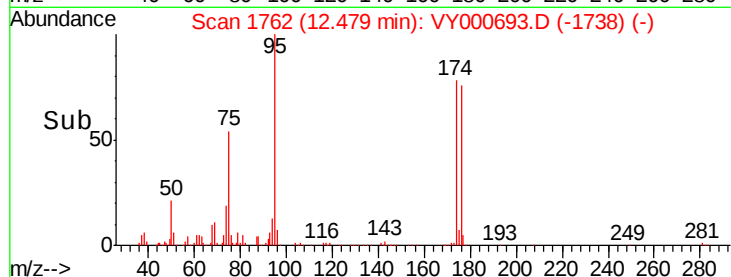
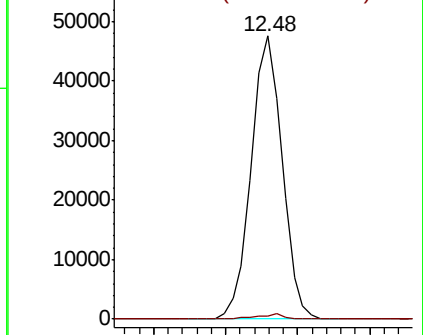
75 100

77 1.5 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: 104.049 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000693.D

Acq: 15 Nov 2019 12:16

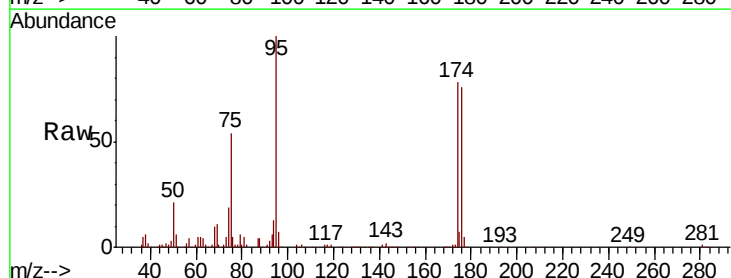
Tgt Ion: 75 Resp: 70715

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.5 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

