

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000695.D
 Acq On : 15 Nov 2019 13:00
 Operator : SY/MD
 Sample : K5861-03
 Misc : 5.44G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:30:31 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	169401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	302771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	276224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	116556	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	103632	59.11	ug/l	0.00
Spiked Amount			Recovery	=	118.22%	
35) Dibromofluoromethane	7.73	113	90759	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.18	98	350756	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.48	95	116822	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

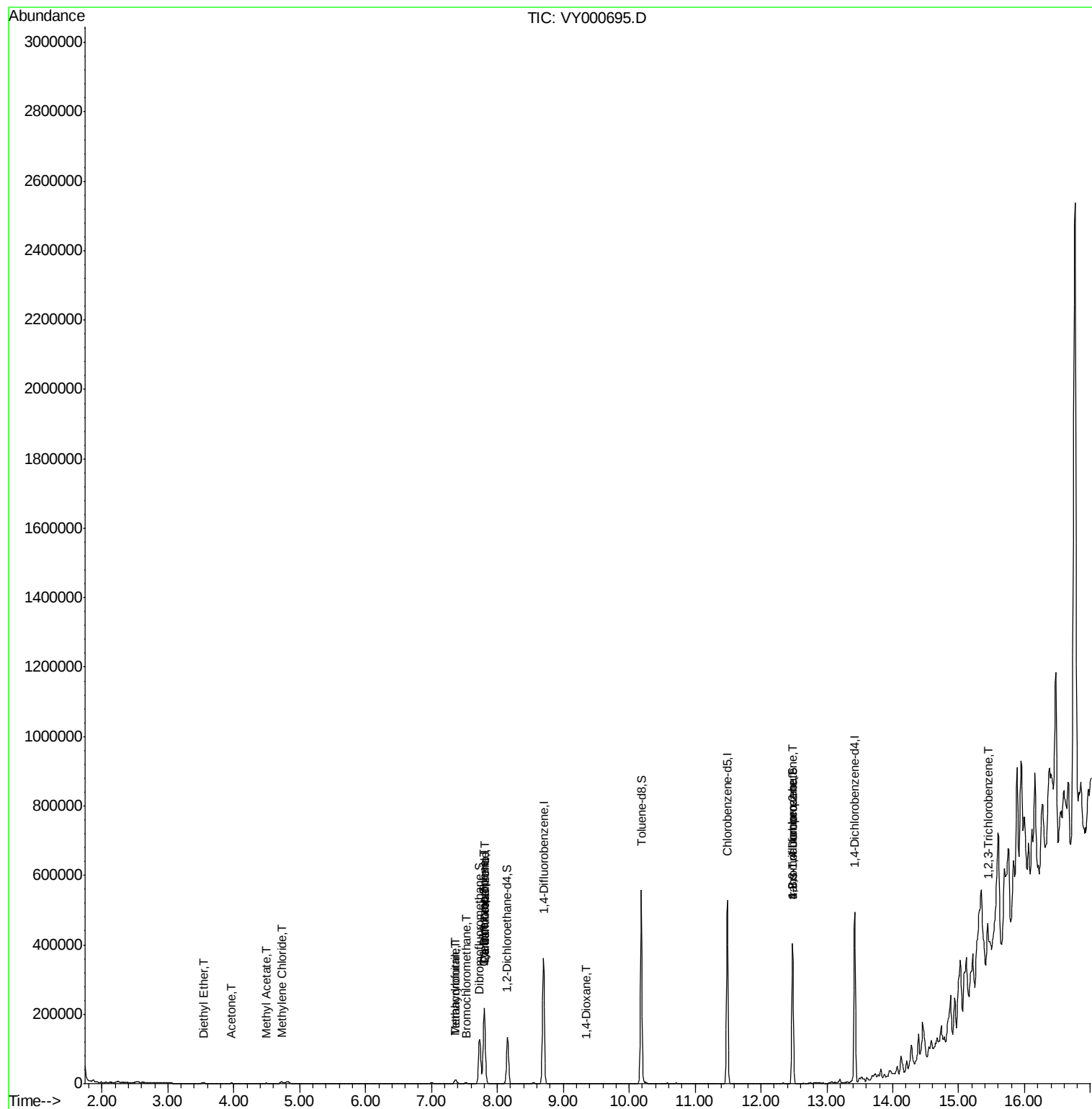
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	1436	1.403	ug/l	80
16) Acetone	3.96	43	2667	5.520	ug/l	99
18) Methyl Acetate	4.50	43	2524	1.680	ug/l	98
20) Methylene Chloride	4.73	84	3784	1.828	ug/l #	70
28) Bromochloromethane	7.53	49	210	4.223	ug/l #	14
29) Tetrahydrofuran	7.36	42	9210	19.524	ug/l	100
31) Cyclohexane	7.79	56	4128	1.216	ug/l #	15
36) 1,1-Dichloropropene	7.79	75	13985	4.886	ug/l #	49
38) Carbon Tetrachloride	7.80	117	16491	5.988	ug/l #	14
41) Methacrylonitrile	7.37	41	5301	5.592	ug/l #	62
49) 1,4-Dioxane	9.35	88	20	1.308	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	63689	47.989	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	63689	107.598	ug/l #	13
96) 1,2,3-Trichlorobenzene	15.44	180	2736	1.290	ug/l #	76

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

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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: VY000695.D

Acq: 15 Nov 2019 13:00

Instrument :

MSVOA_Y

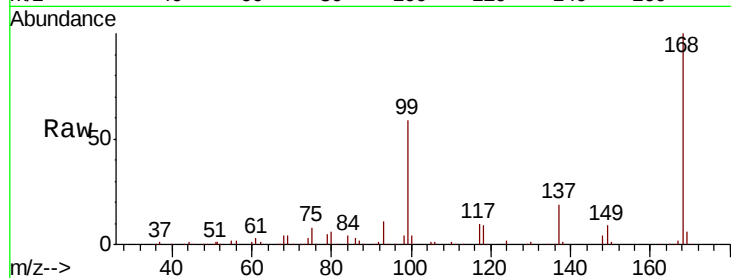
ClientSampled :

Tot Ion:168 Resp: 169401

Ion Ratio Lower Upper

168 100

99 58.8 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

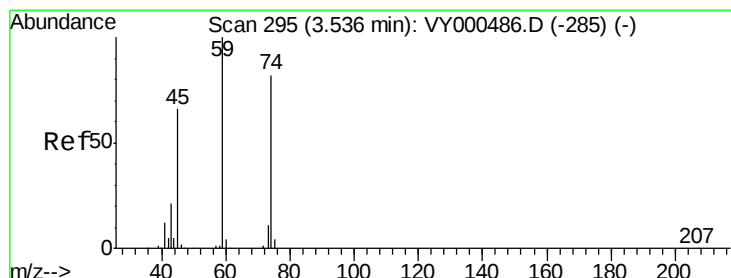
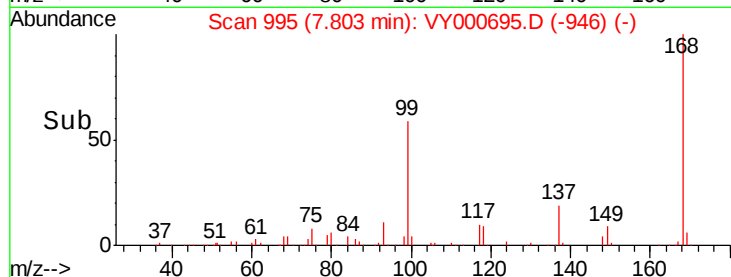
0

Time-->

7.70

7.80

7.90



#8

Diethyl Ether

Concen: 1.403 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY000695.D

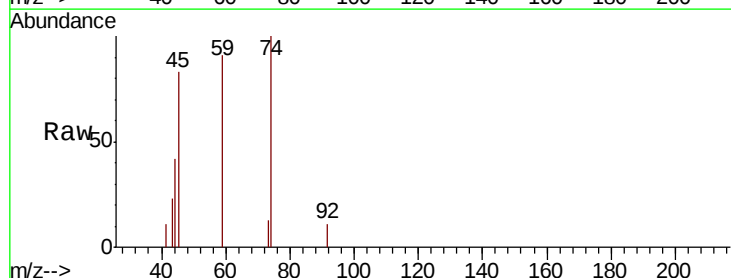
Acq: 15 Nov 2019 13:00

Tgt Ion: 74 Resp: 1436

Ion Ratio Lower Upper

74 100

45 109.5 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

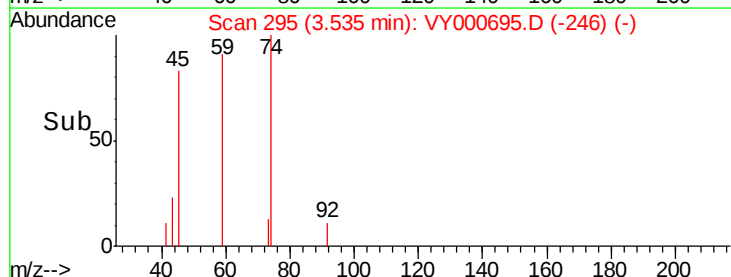
Time-->

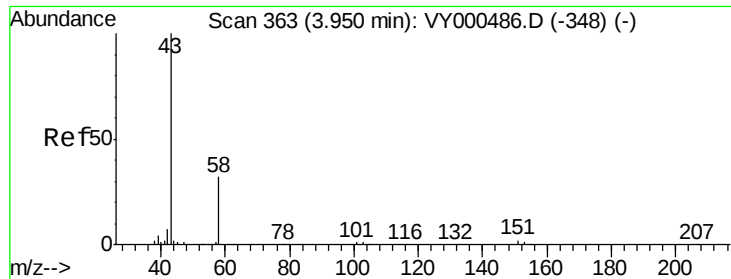
3.45

3.50

3.55

3.60





#16

Acetone

Concen: 5.520 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000695.D

Acq: 15 Nov 2019 13:00

Instrument :

MSVOA_Y

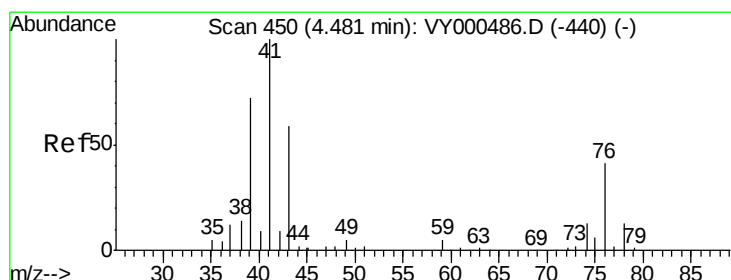
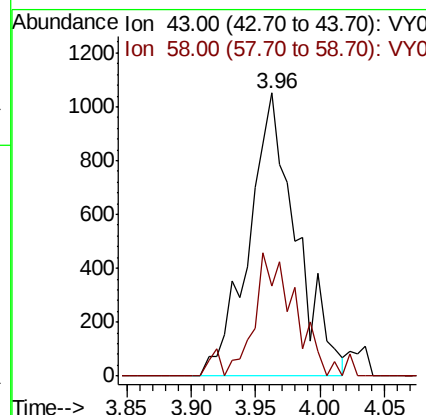
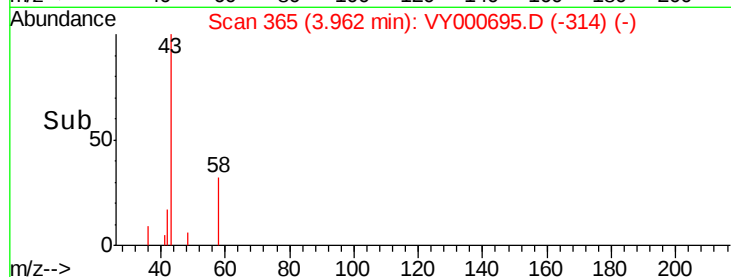
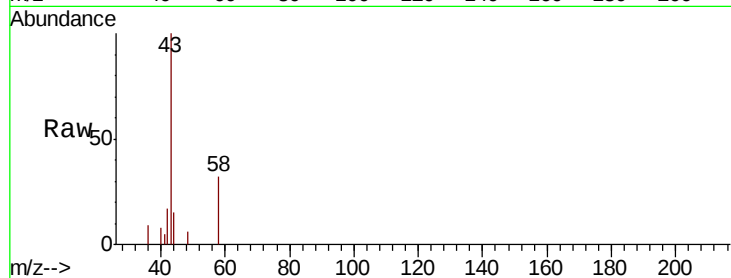
ClientSampled :

Tot Ion: 43 Resp: 2667

Ion Ratio Lower Upper

43 100

58 31.7 25.8 38.6



#18

Methyl Acetate

Concen: 1.680 ug/l

RT: 4.50 min Scan# 453

Delta R.T. 0.02 min

Lab File: VY000695.D

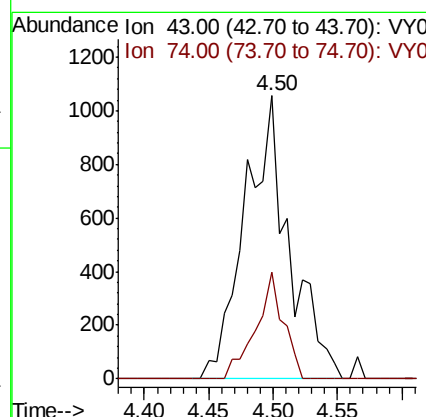
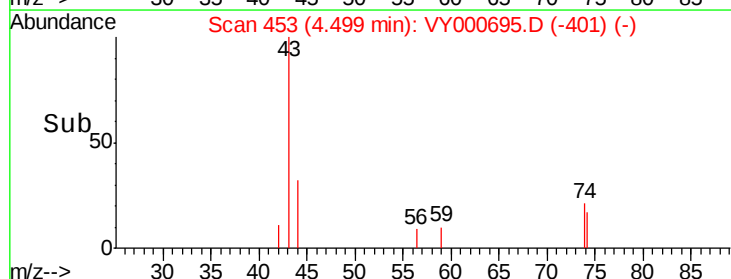
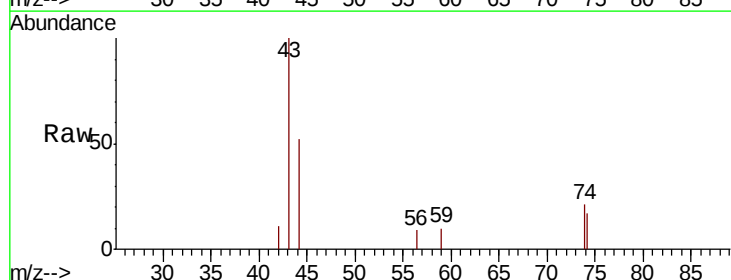
Acq: 15 Nov 2019 13:00

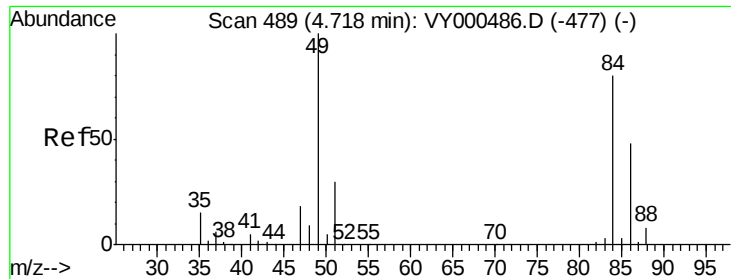
Tgt Ion: 43 Resp: 2524

Ion Ratio Lower Upper

43 100

74 23.1 19.2 28.8

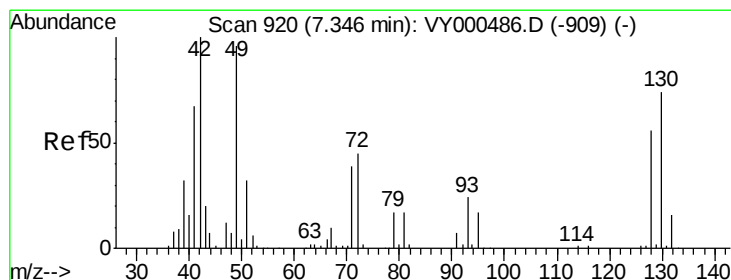
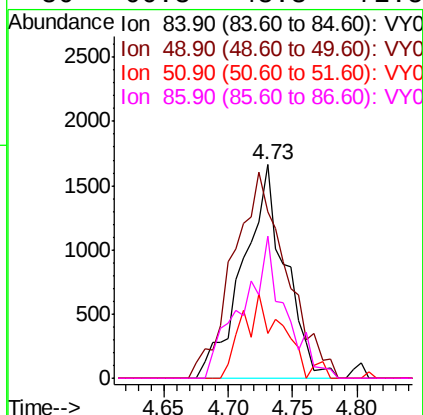
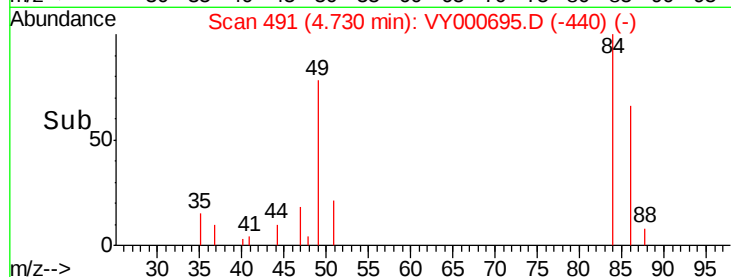
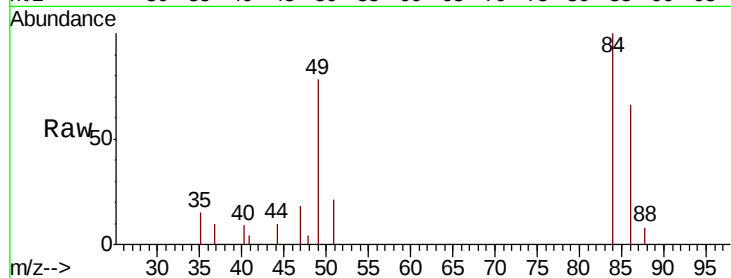




#20
Methvlene Chloride
Concen: 1.828 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

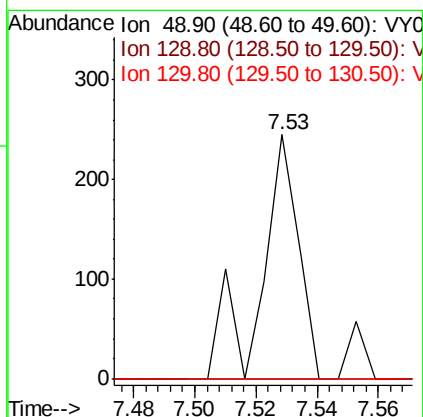
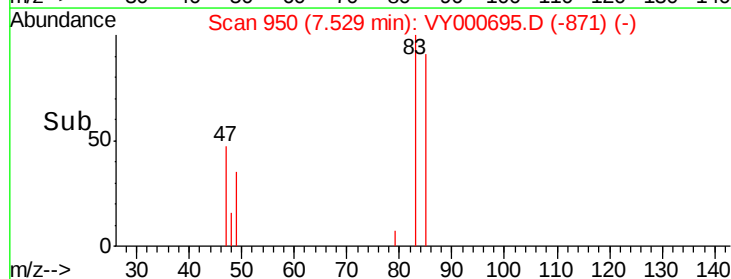
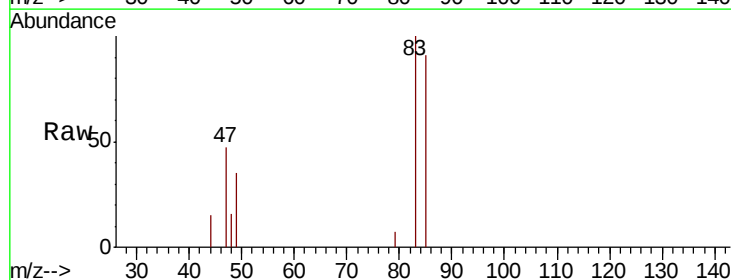
Instrument :
MSVOA_Y
ClientSampled :

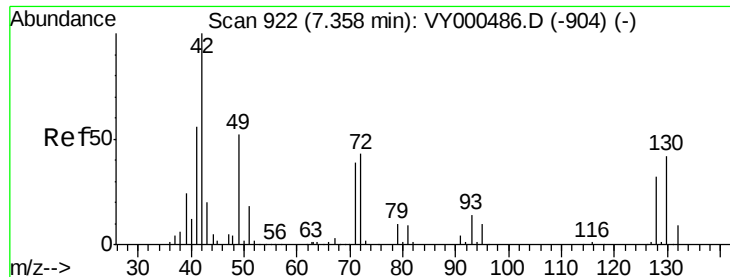
Tot Ion: 84 Resp: 3784
Ion Ratio Lower Upper
84 100
49 78.0 100.2 150.4#
51 21.0 29.6 44.4#
86 66.3 48.3 72.5



#28
Bromochloromethane
Concen: 4.223 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.18 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

Tgt Ion: 49 Resp: 210
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#





#29

Tetrahydrofuran

Concen: 19.524 ug/l

RT: 7.36 min Scan# 922

Delta R.T. -0.00 min

Lab File: VY000695.D

Acq: 15 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

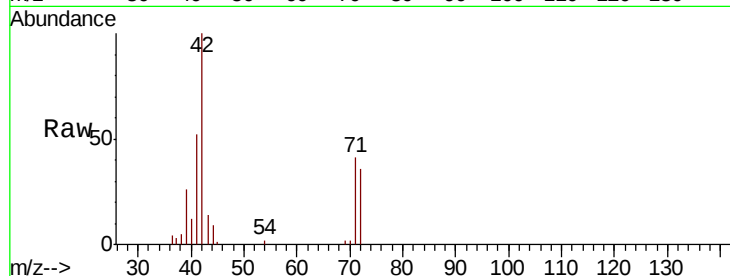
Tot Ion: 42 Resp: 9210

Ion Ratio Lower Upper

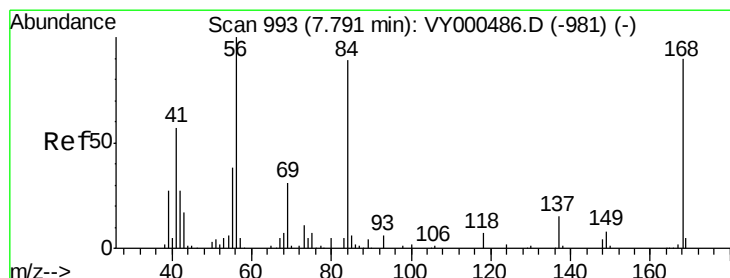
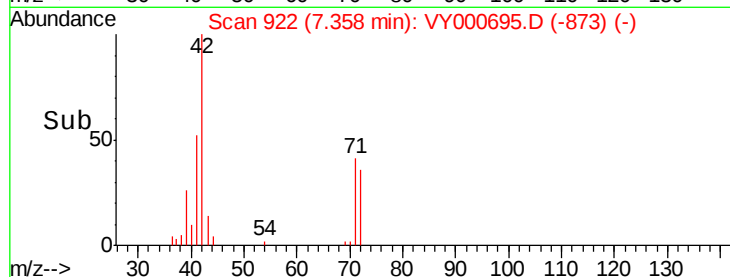
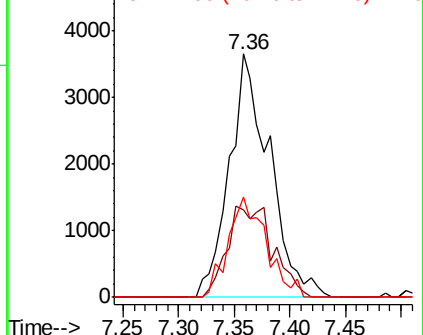
42 100

72 42.2 34.0 51.0

71 38.5 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: 1.216 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000695.D

Acq: 15 Nov 2019 13:00

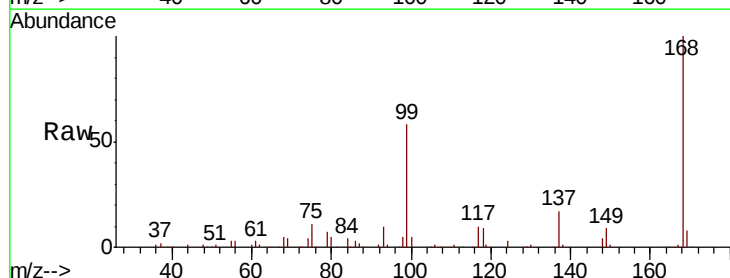
Tgt Ion: 56 Resp: 4128

Ion Ratio Lower Upper

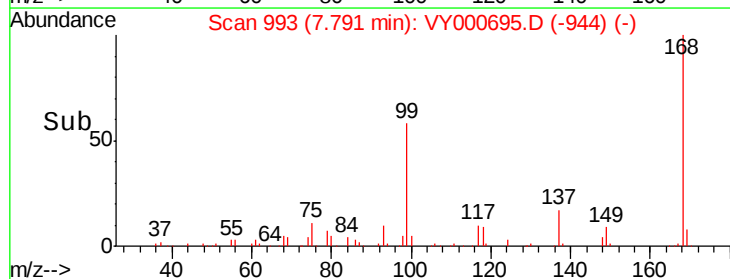
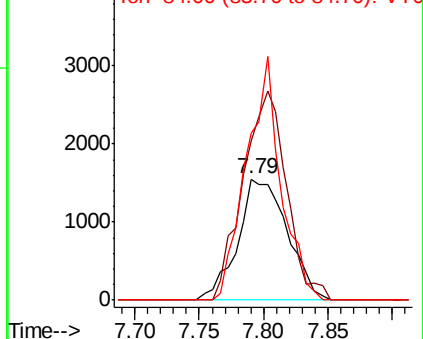
56 100

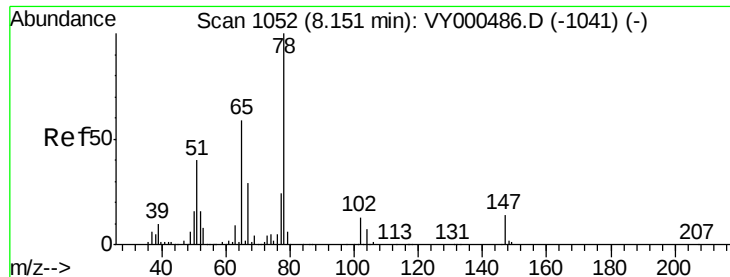
69 131.6 25.0 37.6#

84 137.4 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

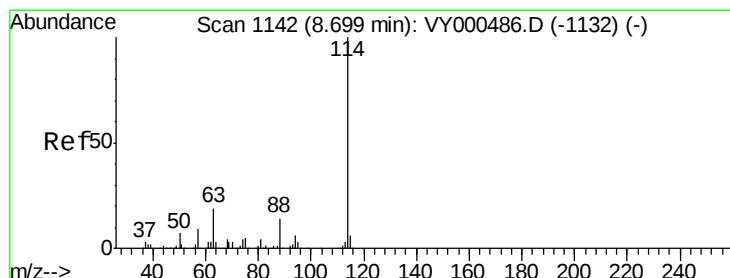
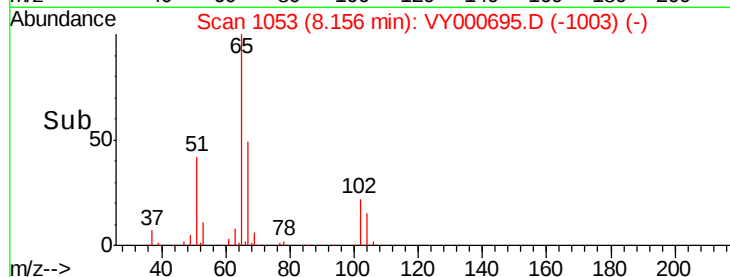
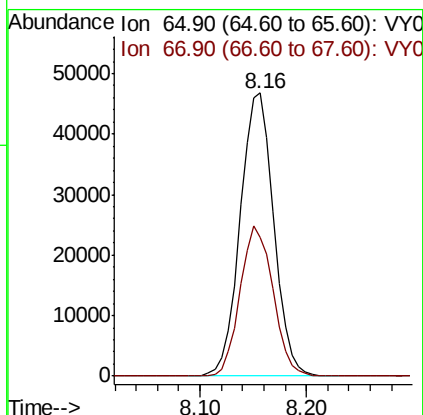
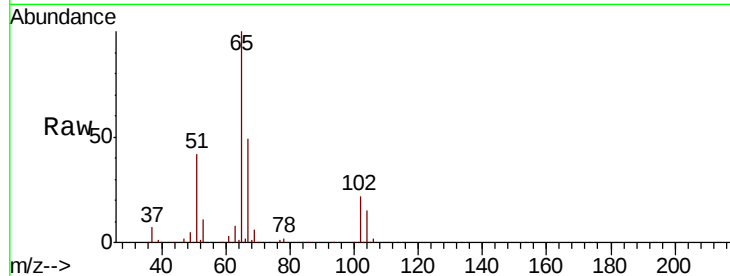




#33
 1,2-Dichloroethane-d4
 Concen: 59.114 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000695.D
 Acq: 15 Nov 2019 13:00

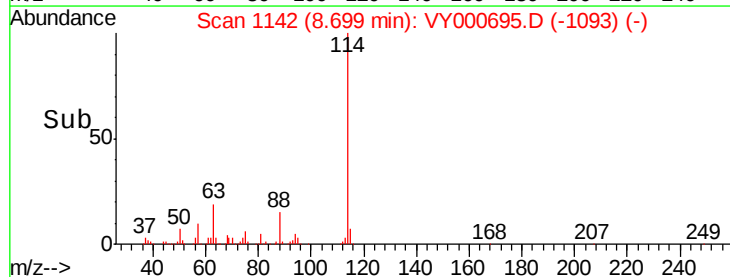
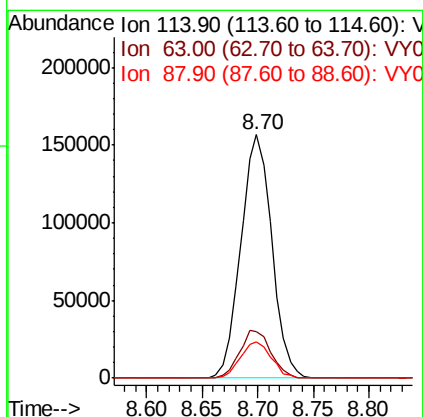
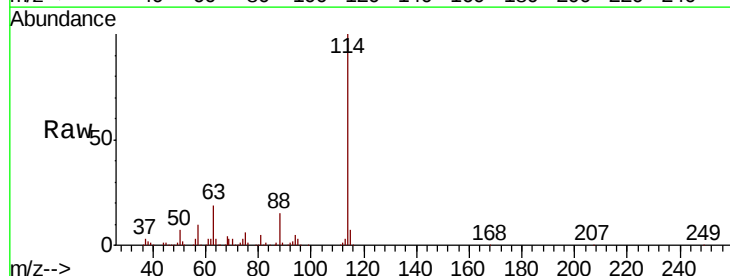
Instrument :
 MSVOA_Y
 ClientSampled :

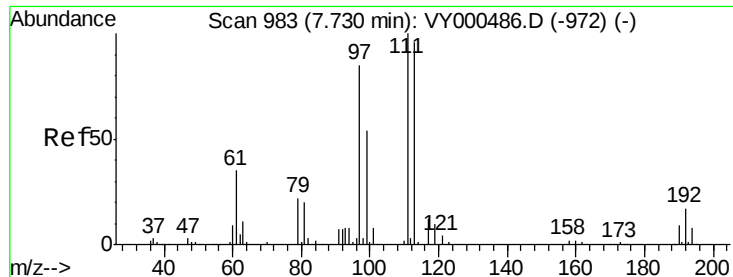
Tot Ion: 65 Resp: 103632
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000695.D
 Acq: 15 Nov 2019 13:00

Tgt Ion: 114 Resp: 302771
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.0
 88 14.8 0.0 28.6

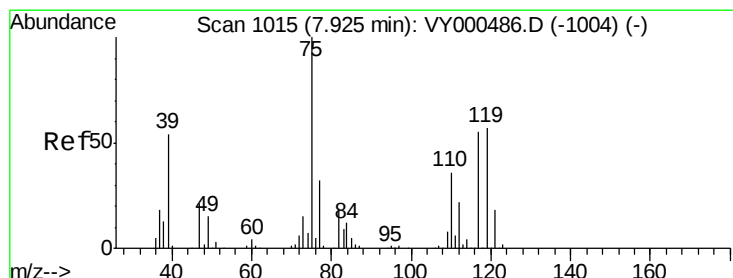
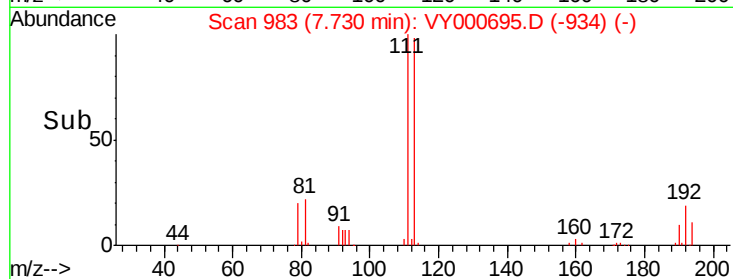
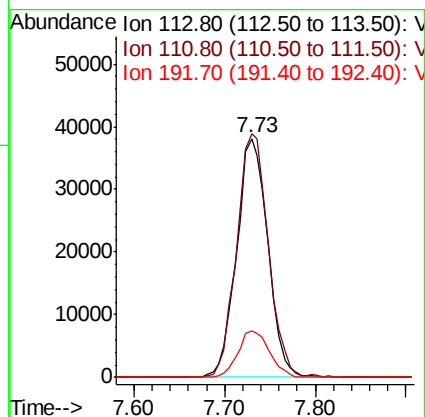
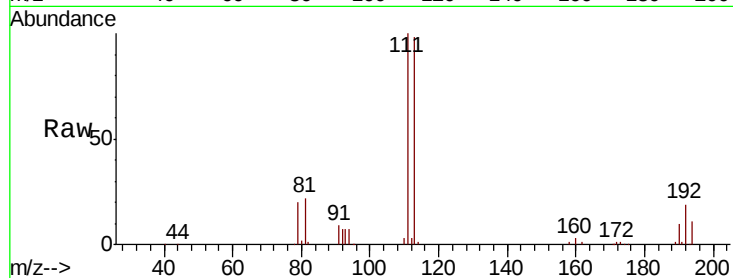




#35
 Dibromofluoromethane
 Concen: 51.061 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000695.D
 Acq: 15 Nov 2019 13:00

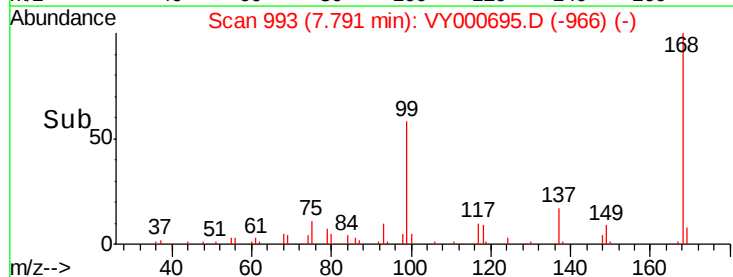
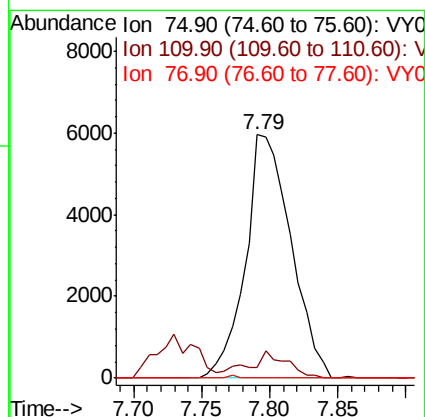
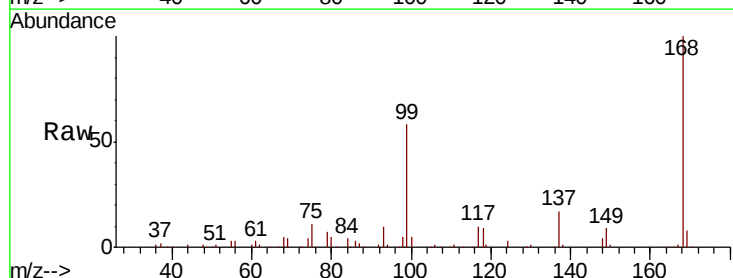
Instrument :
 MSVOA_Y
 ClientSampled :

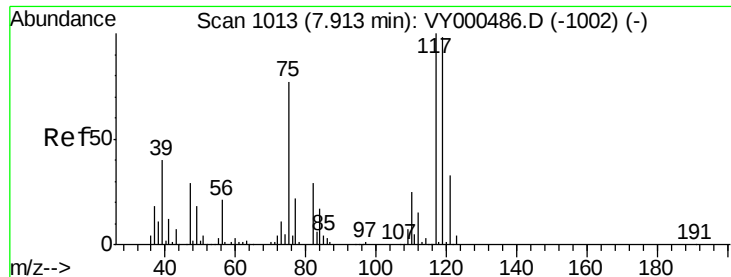
Tot Ion:113 Resp: 90759
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.7 122.5
 192 19.9 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.886 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY000695.D
 Acq: 15 Nov 2019 13:00

Tgt Ion: 75 Resp: 13985
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.1 54.1#
 77 0.0 25.0 37.6#

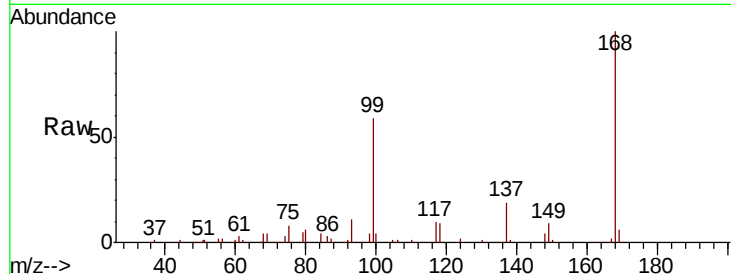




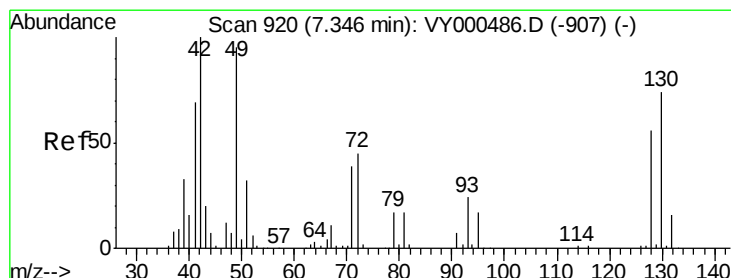
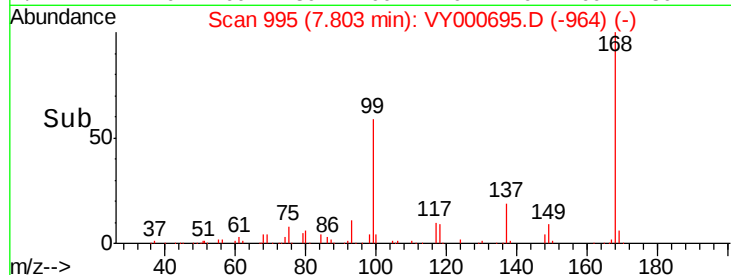
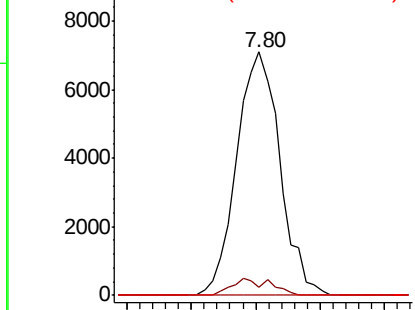
#38
Carbon Tetrachloride
Concen: 5.988 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 16491
Ion Ratio Lower Upper
117 100
119 3.2 78.0 117.0#
121 0.0 26.6 40.0#

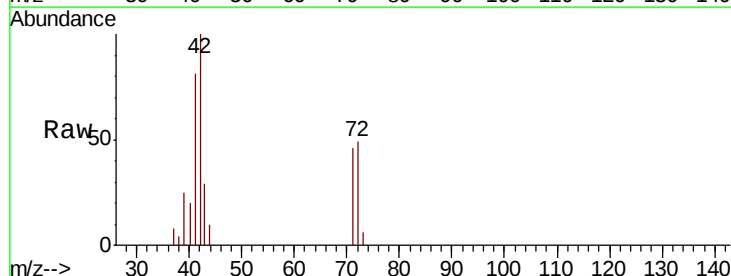


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

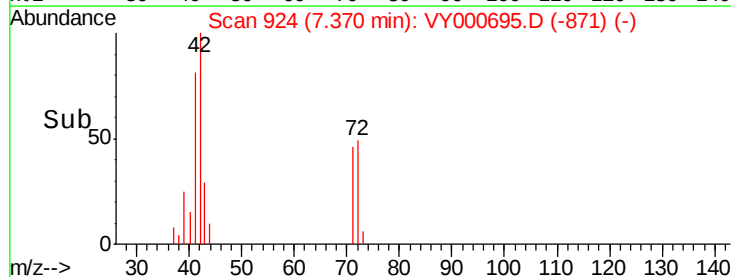
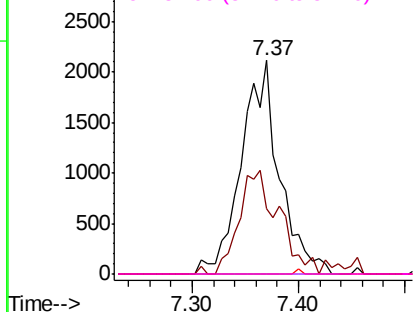


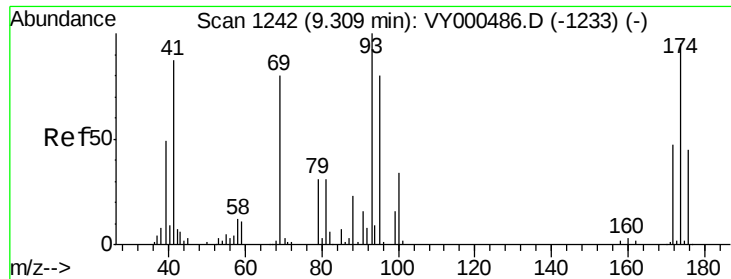
#41
Methacrylonitrile
Concen: 5.592 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.02 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

Tgt Ion: 41 Resp: 5301
Ion Ratio Lower Upper
41 100
39 50.7 68.2 102.4#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

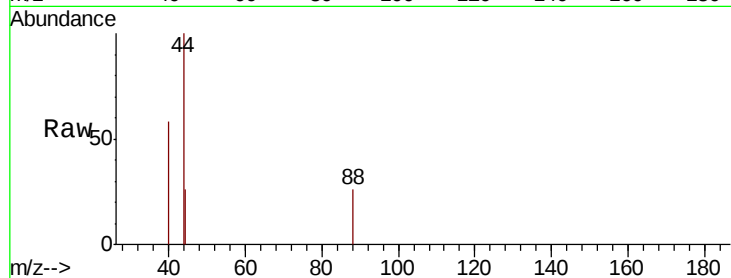




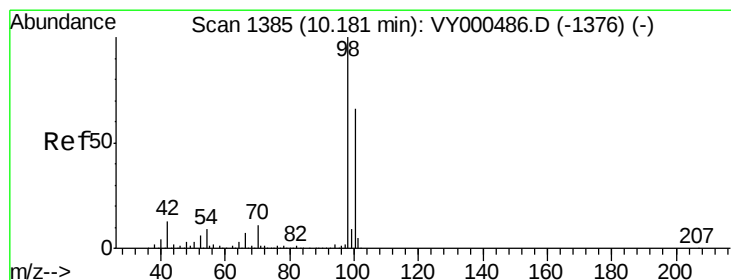
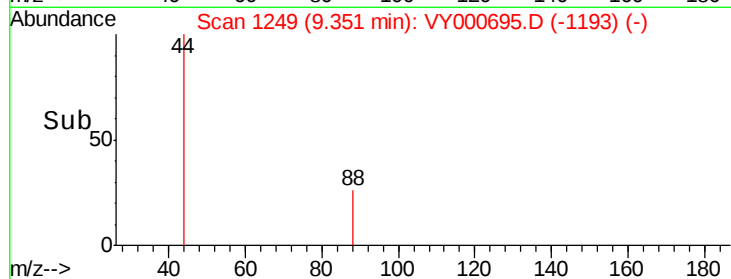
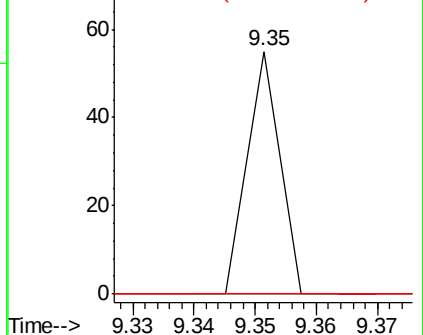
#49
1,4-Dioxane
Concen: 1.308 ug/l
RT: 9.35 min Scan# 1249
Delta R.T. 0.04 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 50.6 75.8#

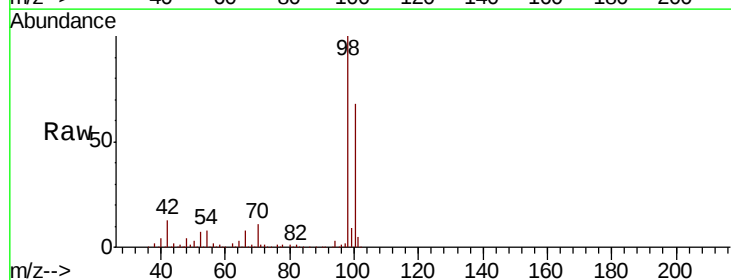


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

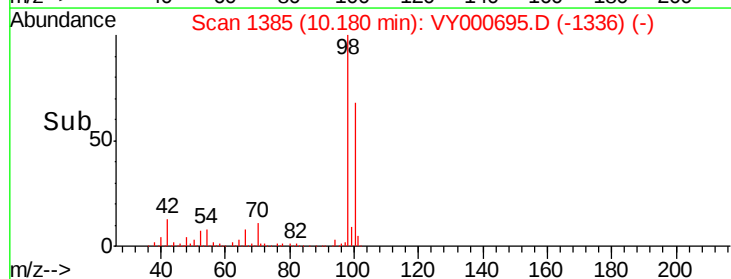
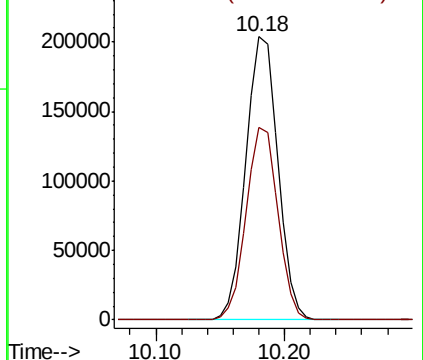


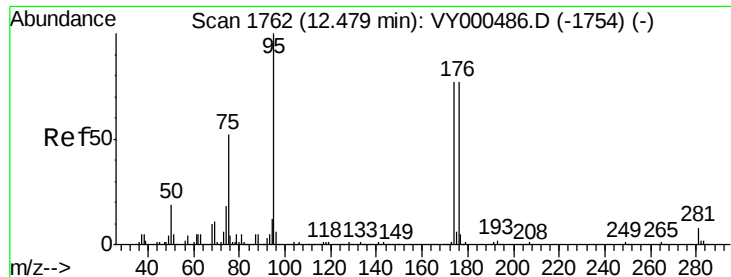
#50
Toluene-d8
Concen: 52.006 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

Tgt Ion: 98 Resp: 350756
Ion Ratio Lower Upper
98 100
100 67.4 52.9 79.3



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

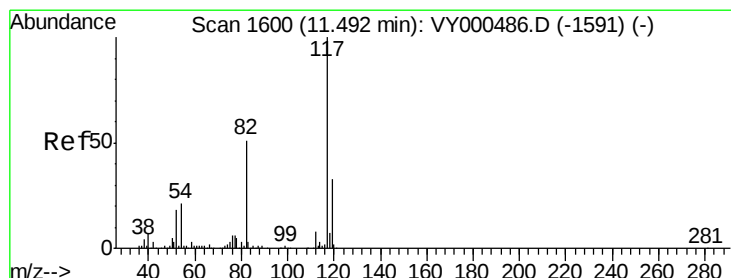
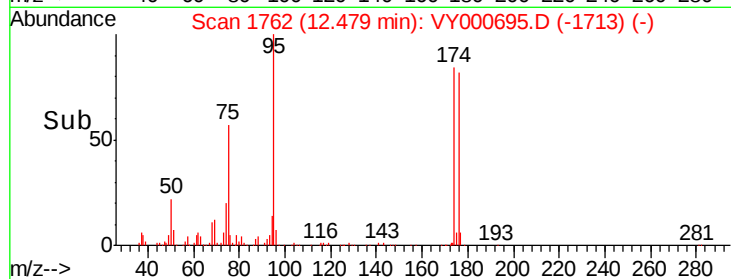
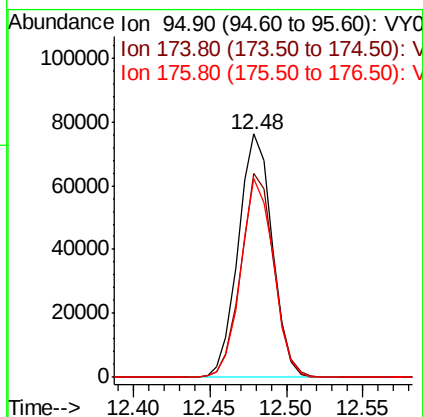
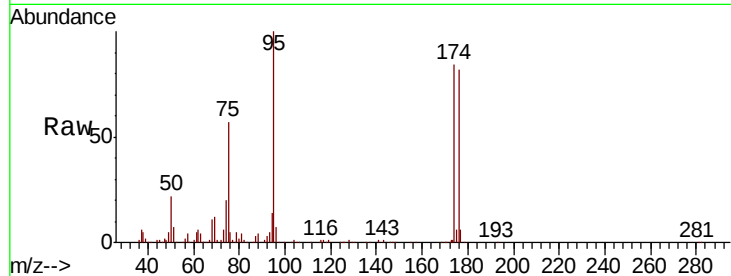




#62
4-Bromofluorobenzene
Concen: 45.498 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

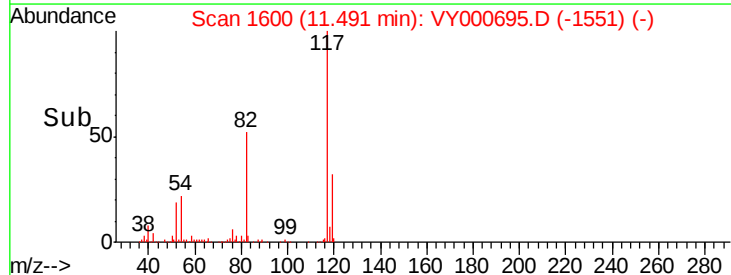
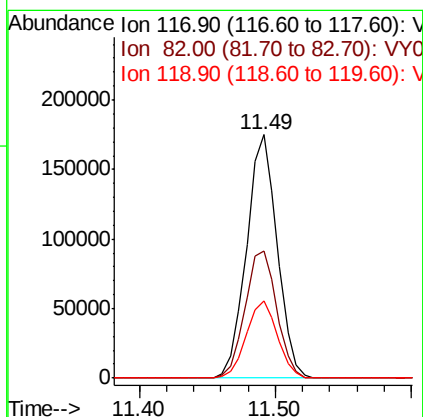
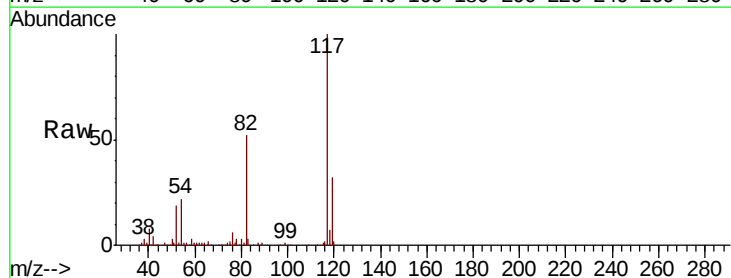
Instrument :
MSVOA_Y
ClientSampleId :

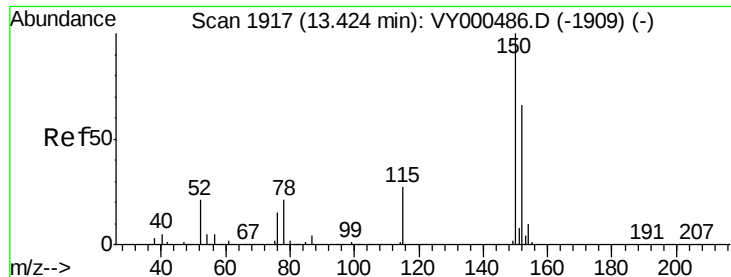
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	161.6
176	79.0	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	40.8	61.2
119	31.8	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: VY000695.D

Acq: 15 Nov 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

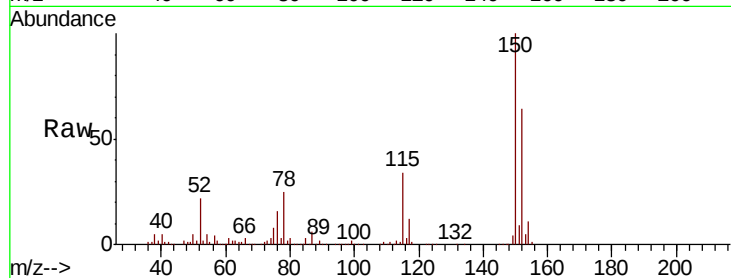
Tot Ion:152 Resp: 116556

Ion Ratio Lower Upper

152 100

115 57.1 29.1 87.4

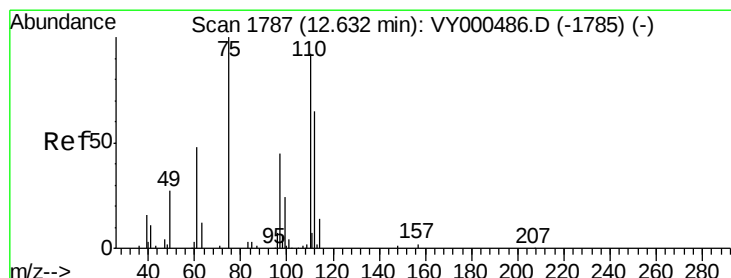
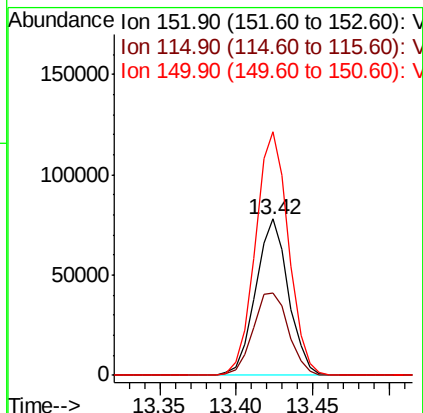
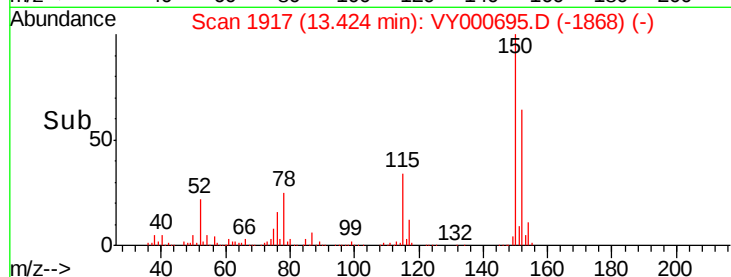
150 156.7 0.0 348.8



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: 47.989 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000695.D

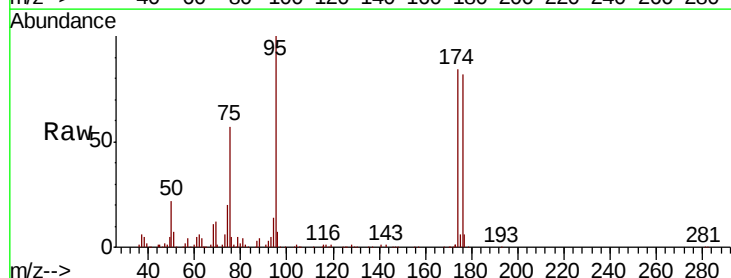
Acq: 15 Nov 2019 13:00

Tgt Ion: 75 Resp: 63689

Ion Ratio Lower Upper

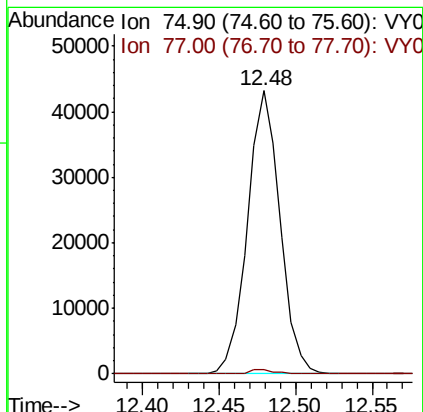
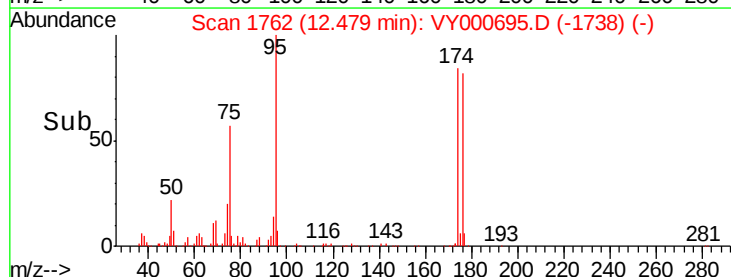
75 100

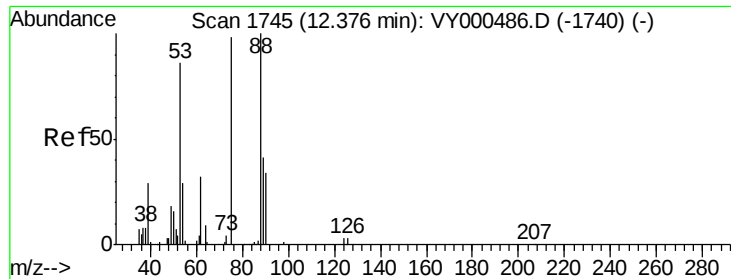
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

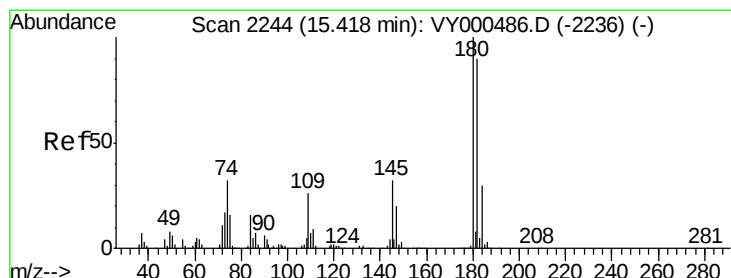
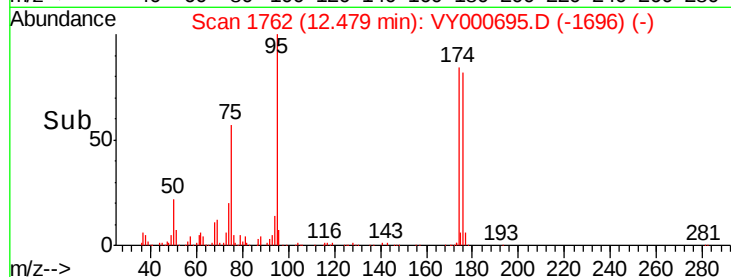
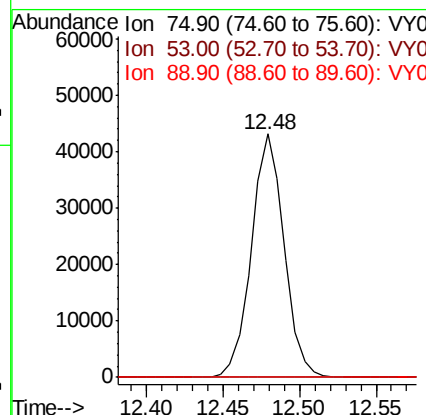
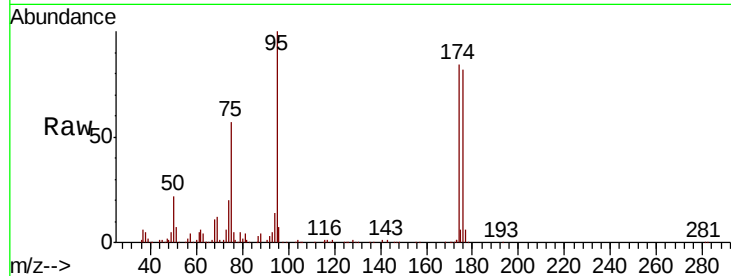




#81
trans-1,4-Dichloro-2-butene
Concen: 107.598 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 75 Resp: 63689
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 35.9 53.9#



#96
1,2,3-Trichlorobenzene
Concen: 1.290 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.02 min
Lab File: VY000695.D
Acq: 15 Nov 2019 13:00

Tgt Ion: 180 Resp: 2736
Ion Ratio Lower Upper
180 100
182 81.5 47.4 142.3
145 0.0 15.7 47.0#

