

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000694.D
 Acq On : 15 Nov 2019 12:38
 Operator : SY/MD
 Sample : K5861-02
 Misc : 5.36G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:30:20 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	177432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	314579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	289702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	130297	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	107830	58.72	ug/l	0.00
Spiked Amount			Recovery	=	117.44%	
35) Dibromofluoromethane	7.73	113	94024	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	10.18	98	359440	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.48	95	126286	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

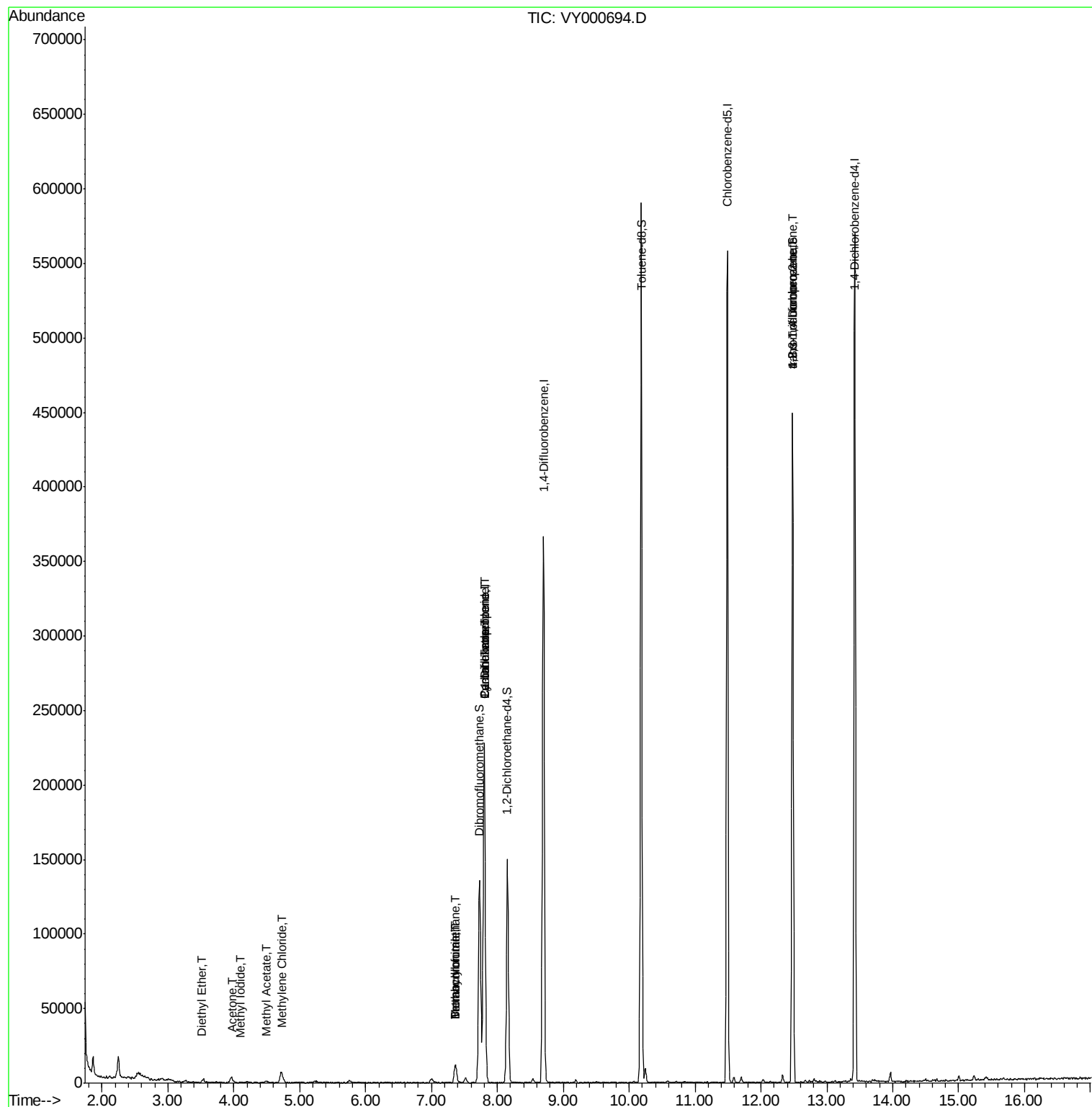
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.52	74	1338	1.248	ug/l #	4
10) Methyl Iodide	4.09	142	58	3.222	ug/l #	41
16) Acetone	3.97	43	6920	13.674	ug/l	89
18) Methyl Acetate	4.49	43	2315	1.471	ug/l #	58
20) Methylene Chloride	4.72	84	4976	2.295	ug/l #	93
28) Bromochloromethane	7.36	49	24	4.107	ug/l #	14
29) Tetrahydrofuran	7.36	42	9376	18.976	ug/l	95
31) Cyclohexane	7.80	56	5102	1.435	ug/l #	46
36) 1,1-Dichloropropene	7.80	75	14405	4.844	ug/l #	49
38) Carbon Tetrachloride	7.80	117	16549	5.783	ug/l #	15
41) Methacrylonitrile	7.36	41	5648	5.734	ug/l #	38
76) 1,2,3-Trichloropropane	12.48	75	68672	46.287	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	68672	103.782	ug/l #	13

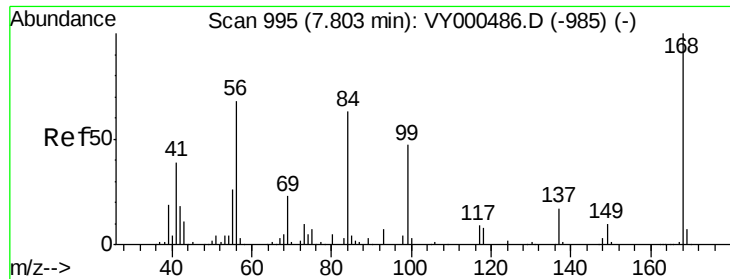
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000694.D

Acq: 15 Nov 2019 12:38

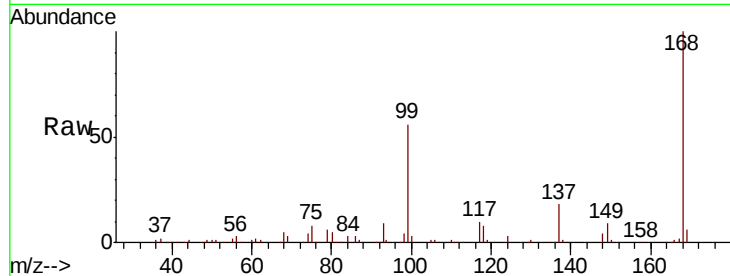
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 177432

Ion Ratio Lower Upper

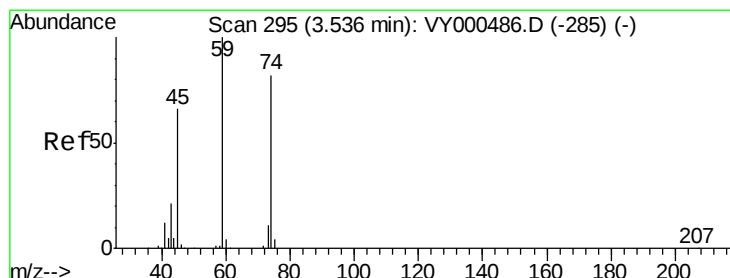
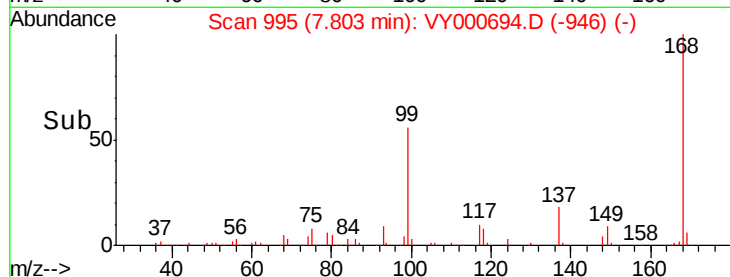
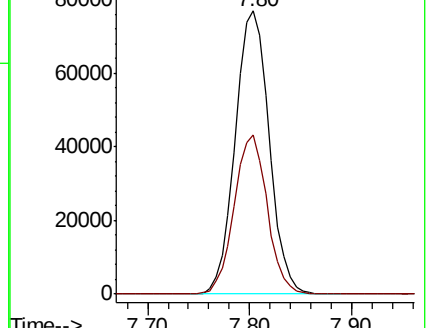
168 100

99 56.3 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) (-)



#8

Diethyl Ether

Concen: 1.248 ug/l

RT: 3.52 min Scan# 292

Delta R.T. -0.02 min

Lab File: VY000694.D

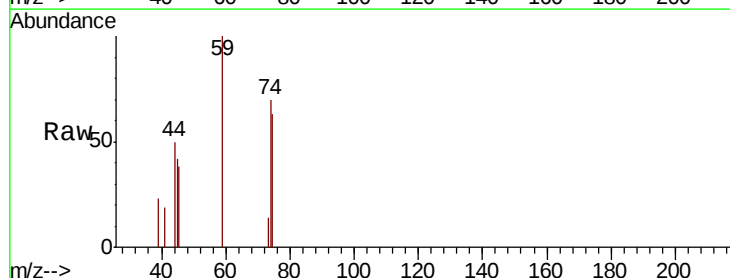
Acq: 15 Nov 2019 12:38

Tgt Ion: 74 Resp: 1338

Ion Ratio Lower Upper

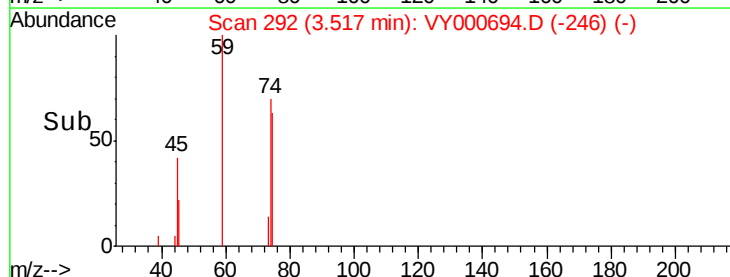
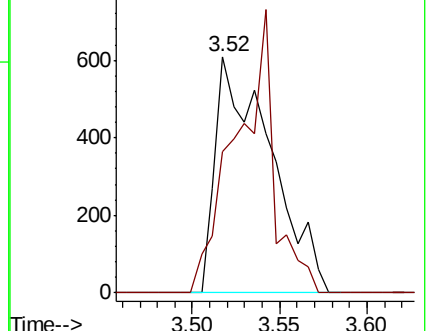
74 100

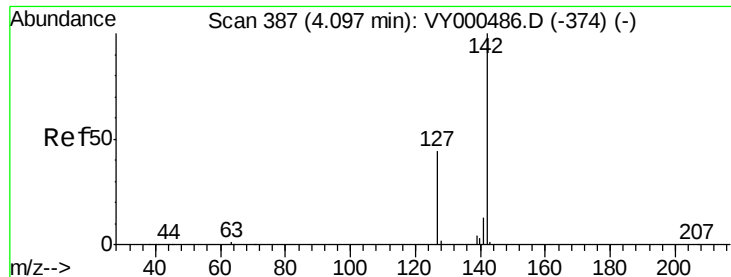
45 0.0 45.5 136.4#



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

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

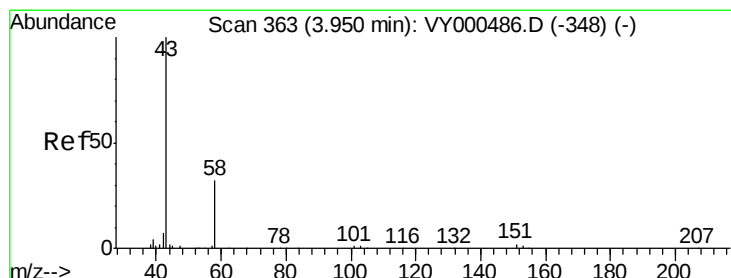
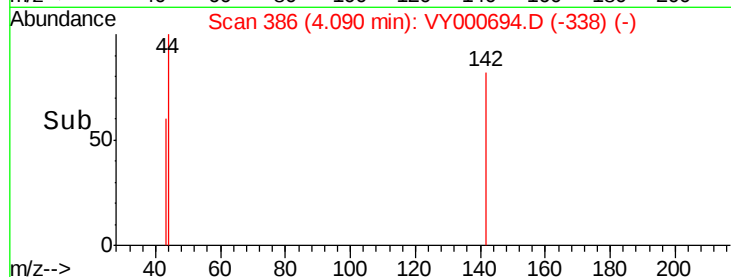
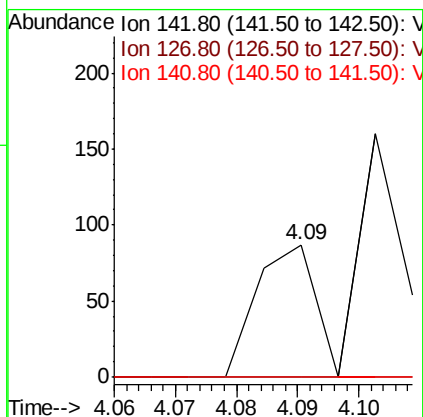
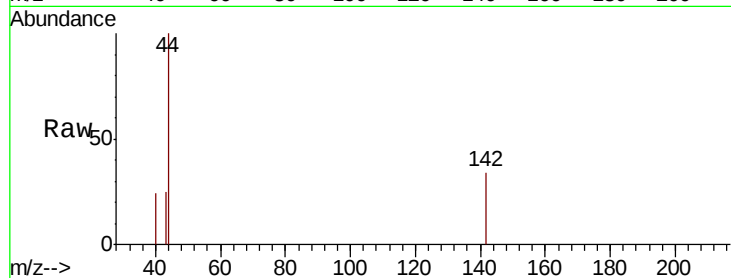




#10
Methyl Iodide
Concen: 3.222 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000694.D
Acq: 15 Nov 2019 12:38

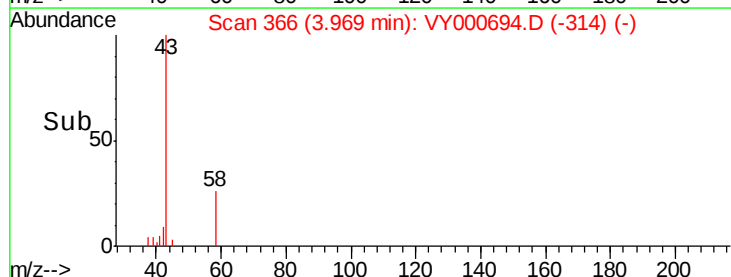
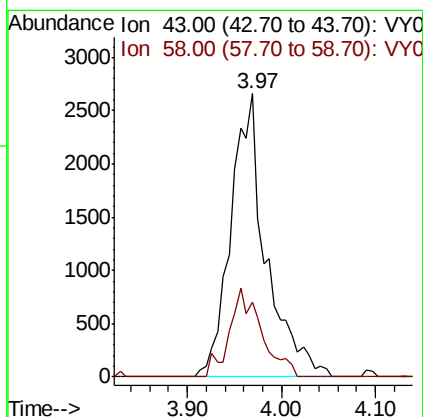
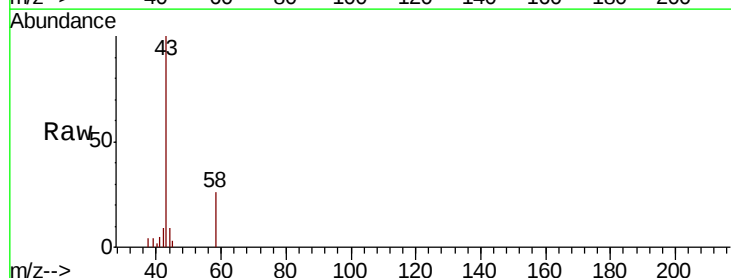
Instrument :
MSVOA_Y
ClientSampled :

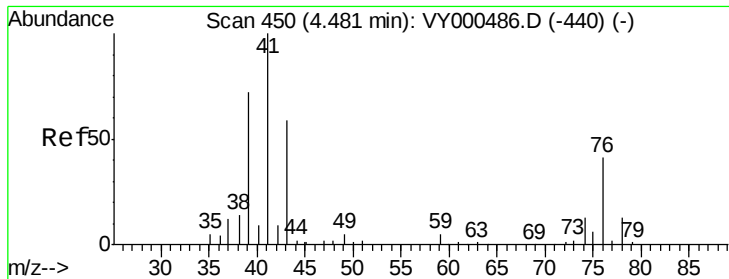
Tot Ion:142 Resp: 58
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#



#16
Acetone
Concen: 13.674 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.02 min
Lab File: VY000694.D
Acq: 15 Nov 2019 12:38

Tgt Ion: 43 Resp: 6920
Ion Ratio Lower Upper
43 100
58 26.3 25.8 38.6





#18

Methyl Acetate

Concen: 1.471 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000694.D

Acq: 15 Nov 2019 12:38

Instrument :

MSVOA_Y

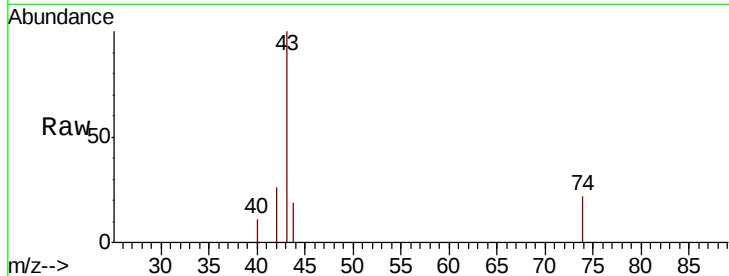
ClientSampled :

Tot Ion: 43 Resp: 2315

Ion Ratio Lower Upper

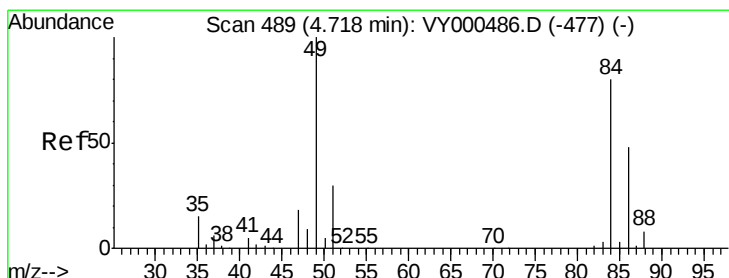
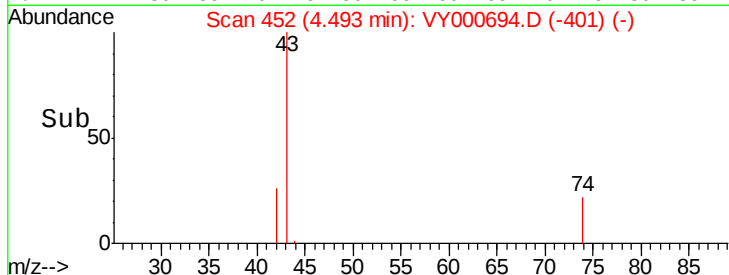
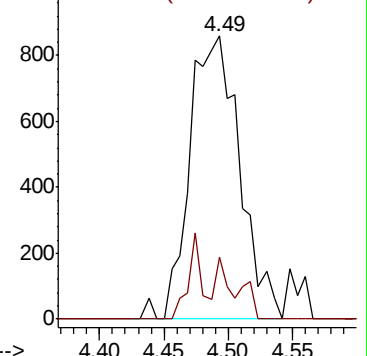
43 100

74 3.1 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



#20

Methylene Chloride

Concen: 2.295 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000694.D

Acq: 15 Nov 2019 12:38

Tgt Ion: 84 Resp: 4976

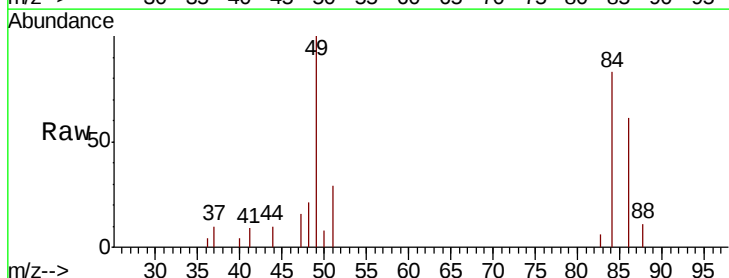
Ion Ratio Lower Upper

84 100

49 120.7 100.2 150.4

51 35.3 29.6 44.4

86 73.2 48.3 72.5#

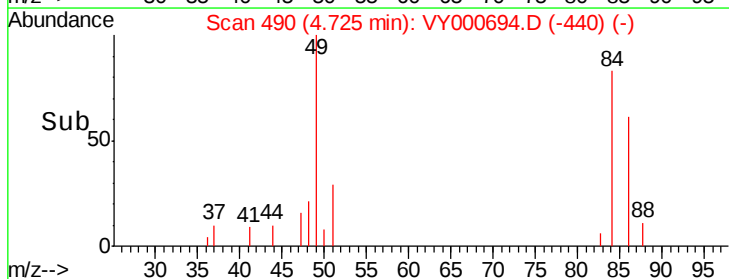
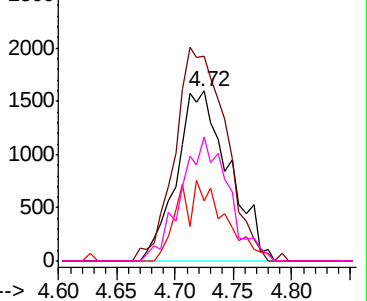


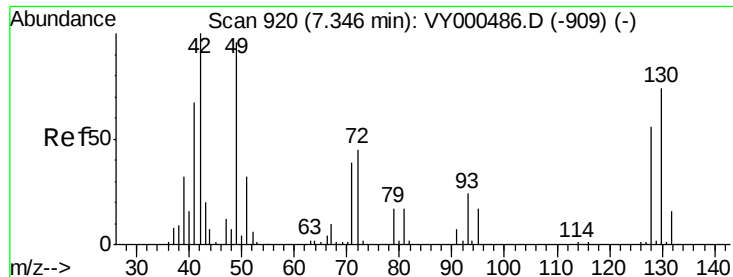
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#28

Bromochloromethane

Concen: 4.107 ug/l

RT: 7.36 min Scan# 922

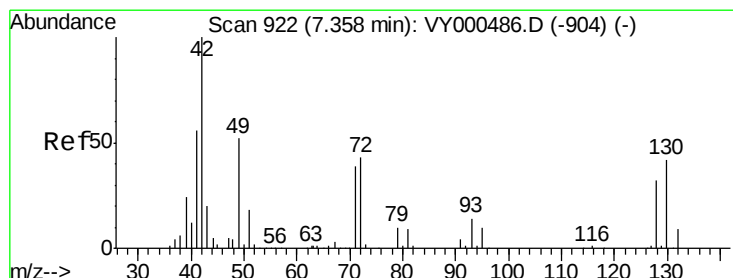
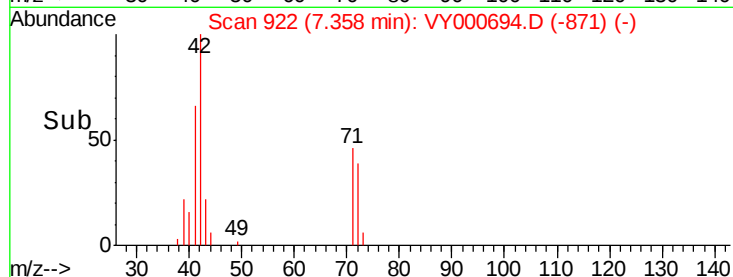
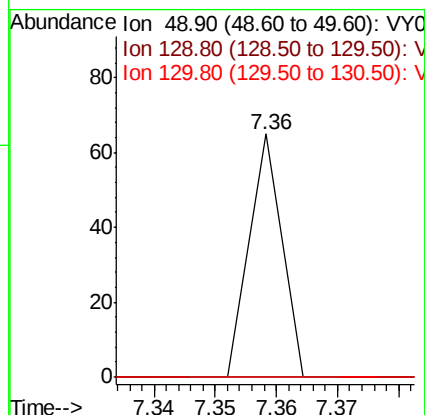
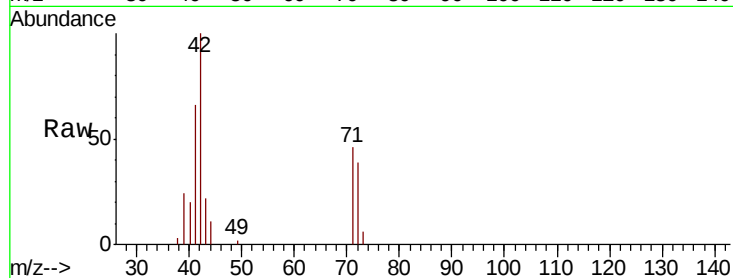
Delta R.T. 0.01 min

Lab File: VY000694.D

Acq: 15 Nov 2019 12:38

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 49 Resp: 24
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#



#29

Tetrahydrofuran

Concen: 18.976 ug/l

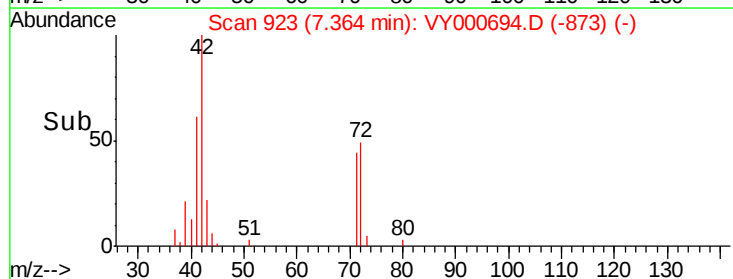
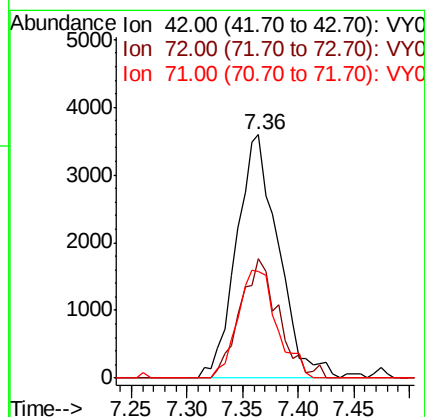
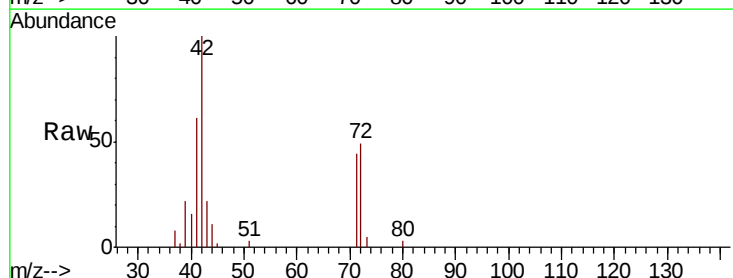
RT: 7.36 min Scan# 923

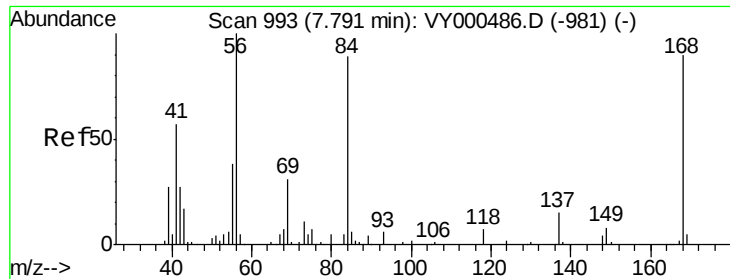
Delta R.T. 0.01 min

Lab File: VY000694.D

Acq: 15 Nov 2019 12:38

Tgt Ion: 42 Resp: 9376
Ion Ratio Lower Upper
42 100
72 45.3 34.0 51.0
71 41.6 30.8 46.2

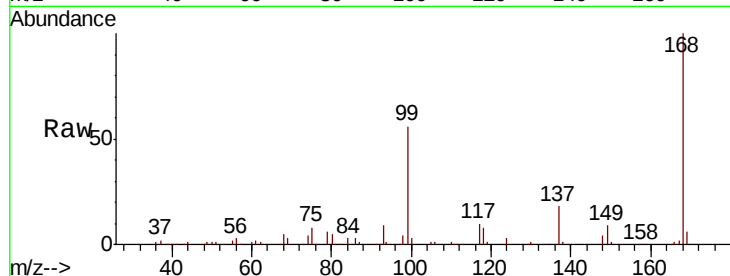




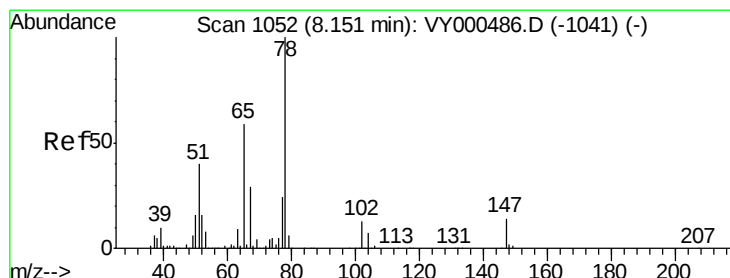
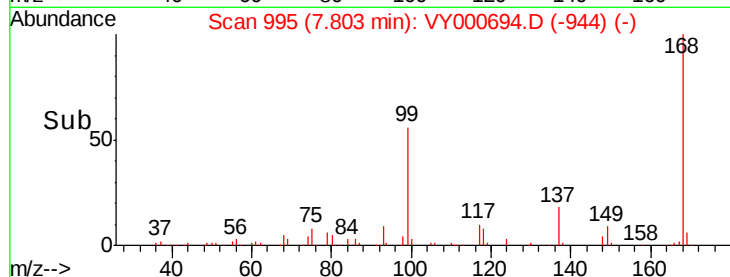
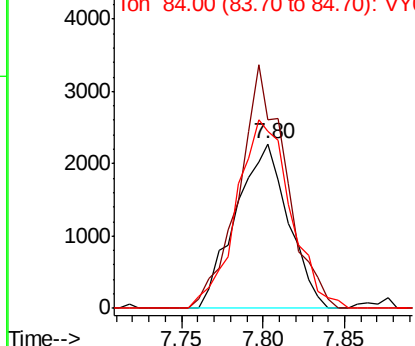
#31
Cyclohexane
Concen: 1.435 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000694.D
Acq: 15 Nov 2019 12:38

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5102
Ion Ratio Lower Upper
56 100
69 115.0 25.0 37.6#
84 107.4 71.4 107.2#

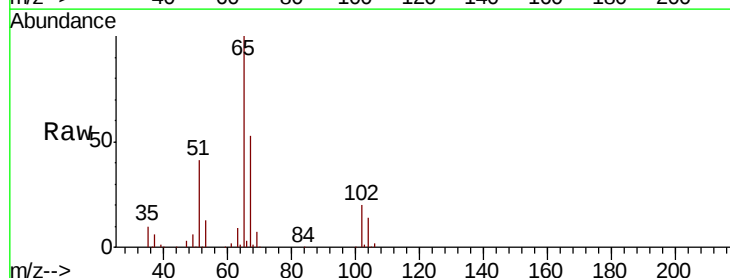


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

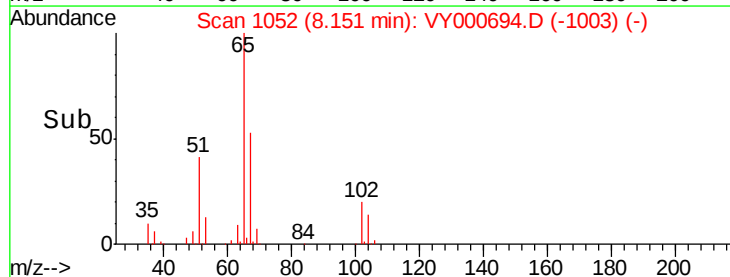
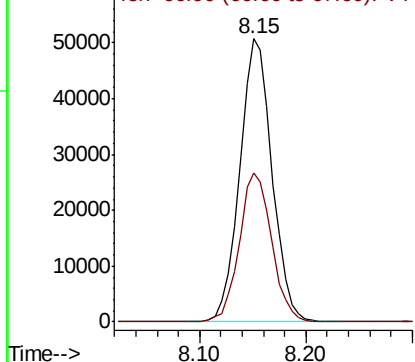


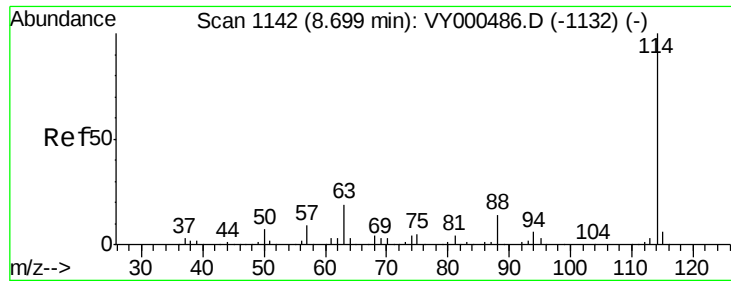
#33
1,2-Dichloroethane-d4
Concen: 58.725 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VY000694.D
Acq: 15 Nov 2019 12:38

Tgt Ion: 65 Resp: 107830
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.2



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

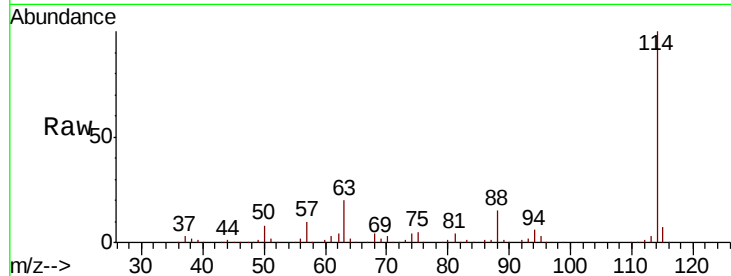




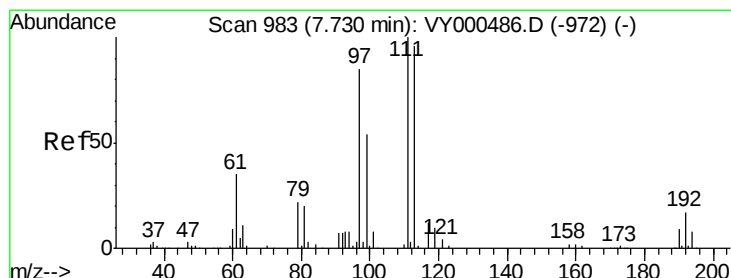
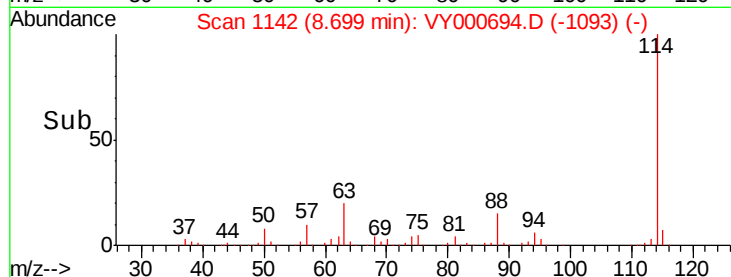
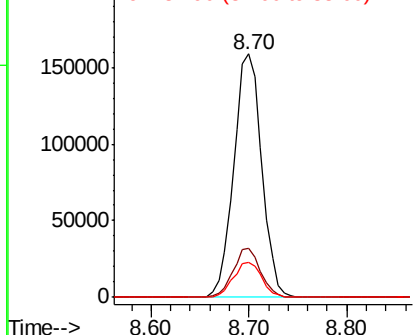
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000694.D
 Acq: 15 Nov 2019 12:38

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion:114 Resp: 314579
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 38.0
 88 14.6 0.0 28.6

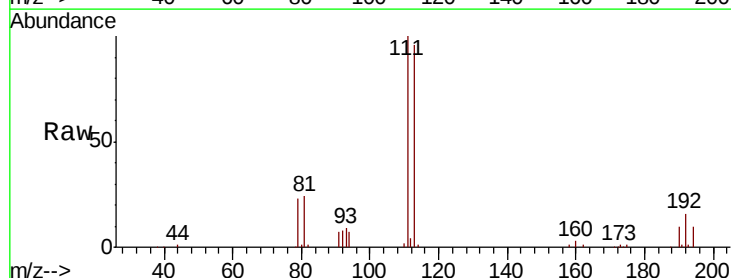


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

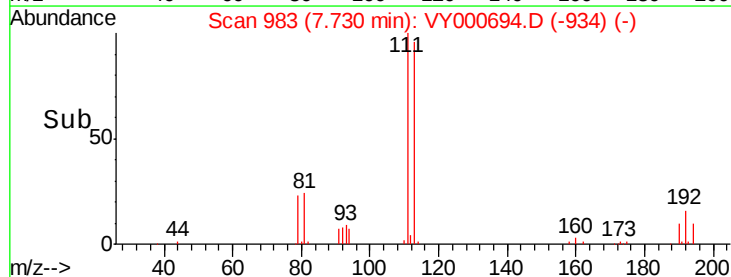
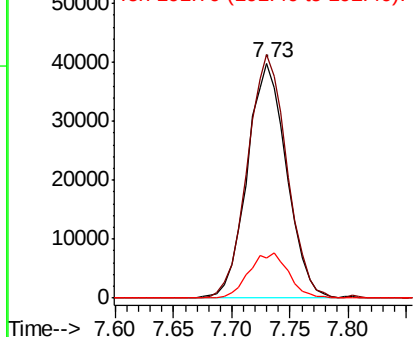


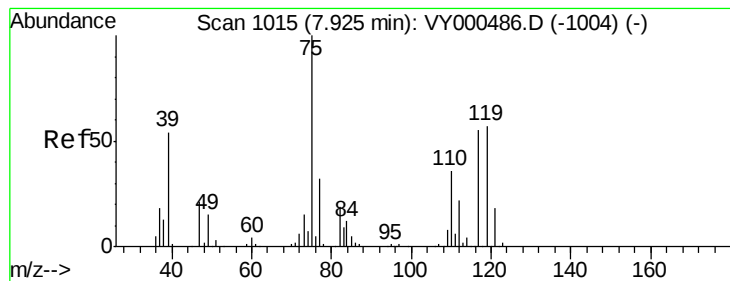
#35
 Dibromofluoromethane
 Concen: 50.912 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000694.D
 Acq: 15 Nov 2019 12:38

Tgt Ion:113 Resp: 94024
 Ion Ratio Lower Upper
 113 100
 111 104.1 81.7 122.5
 192 19.2 15.0 22.4



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: 4.844 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000694.D

Acq: 15 Nov 2019 12:38

Instrument :
MSVOA_Y
ClientSampleId :

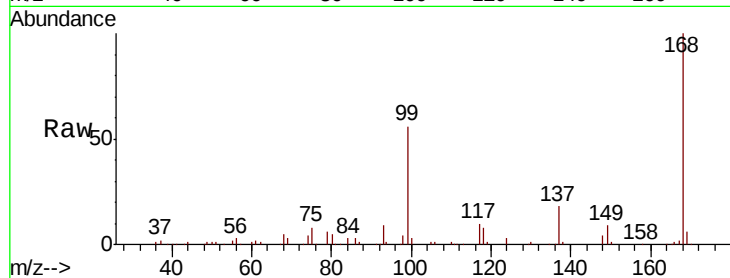
Tot Ion: 75 Resp: 14405

Ion Ratio Lower Upper

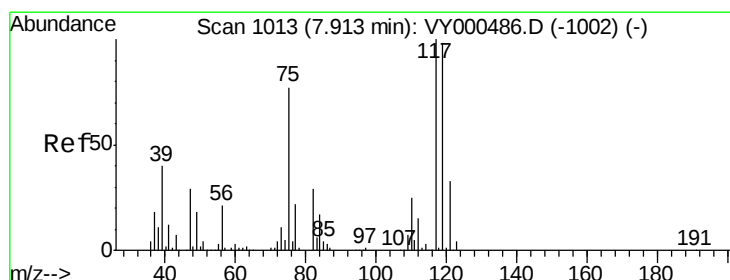
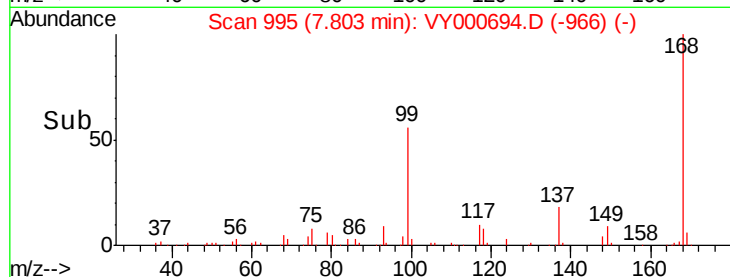
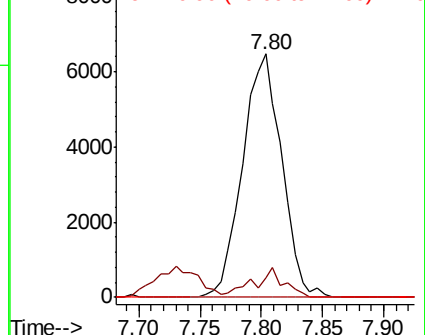
75 100

110 9.4 18.1 54.1#

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



#38

Carbon Tetrachloride

Concen: 5.783 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000694.D

Acq: 15 Nov 2019 12:38

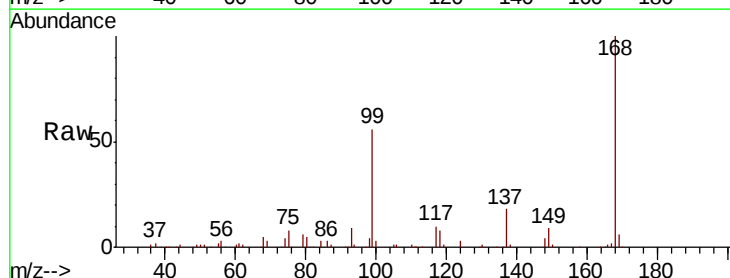
Tgt Ion: 117 Resp: 16549

Ion Ratio Lower Upper

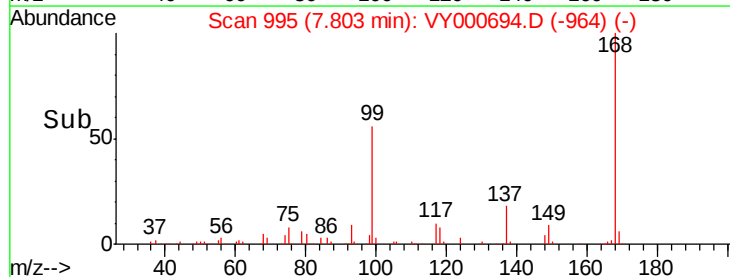
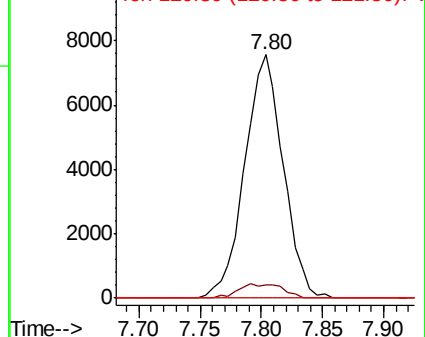
117 100

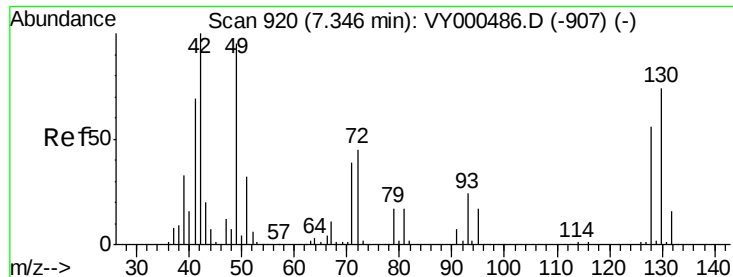
119 5.4 78.0 117.0#

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





#41

Methacrylonitrile

Concen: 5.734 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY000694.D

Acq: 15 Nov 2019 12:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 41 Resp: 5648

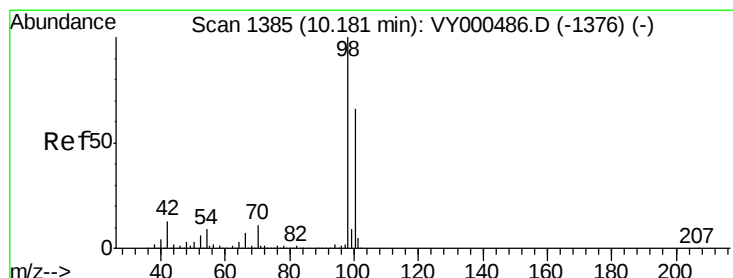
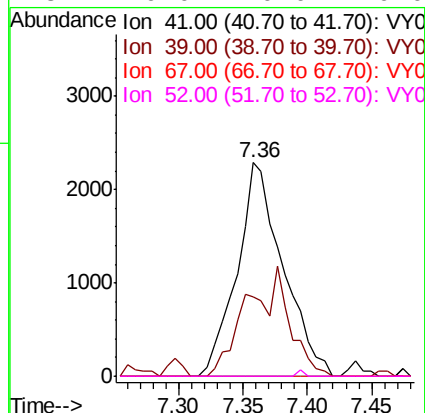
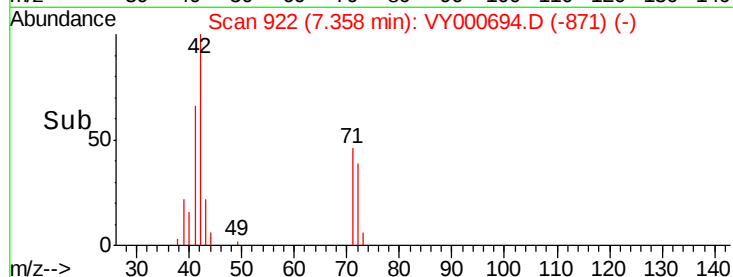
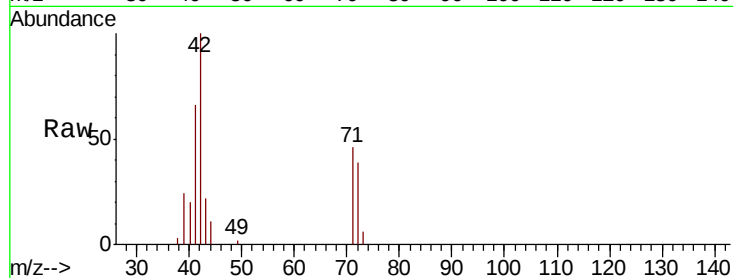
Ion Ratio Lower Upper

41 100

39 28.4 68.2 102.4#

67 0.0 0.0 0.0

52 0.0 0.0 0.0



#50

Toluene-d8

Concen: 51.293 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000694.D

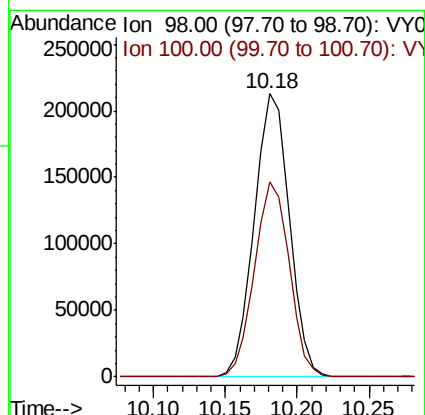
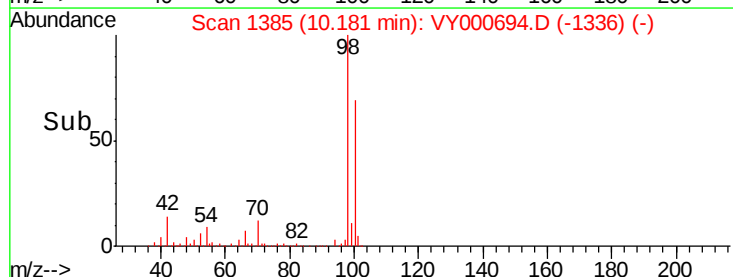
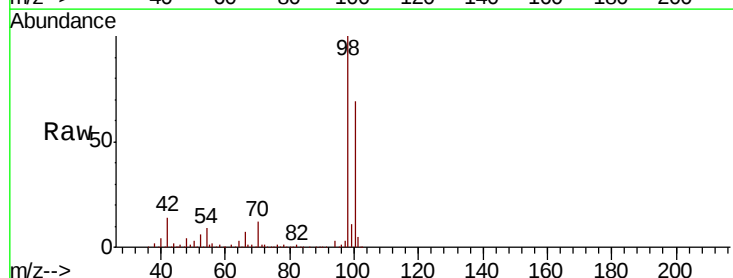
Acq: 15 Nov 2019 12:38

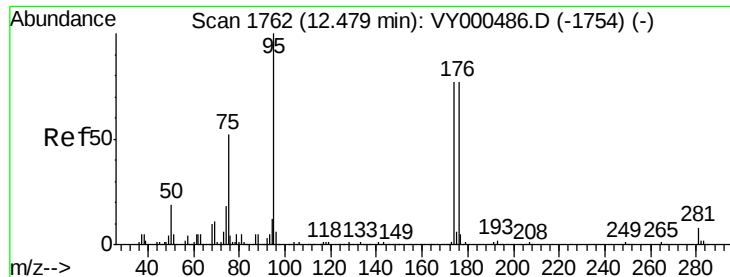
Tgt Ion: 98 Resp: 359440

Ion Ratio Lower Upper

98 100

100 68.2 52.9 79.3

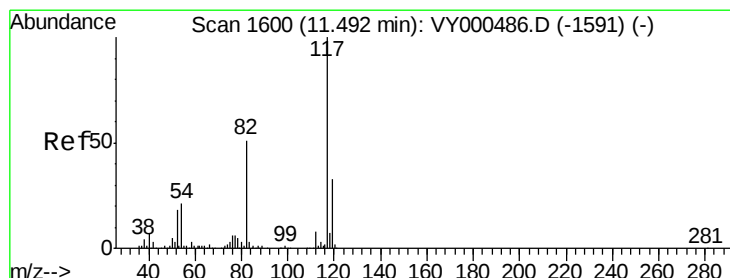
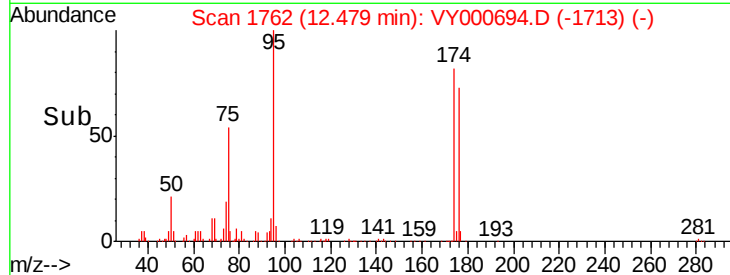
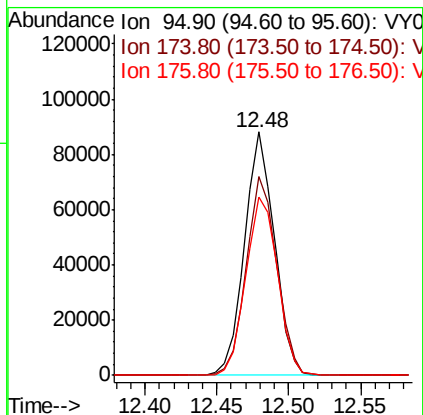
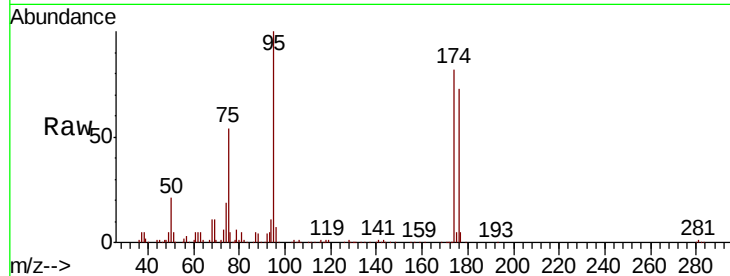




#62
4-Bromofluorobenzene
Concen: 47.338 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000694.D
Acq: 15 Nov 2019 12:38

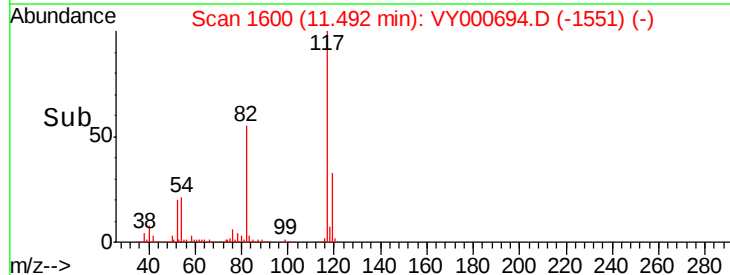
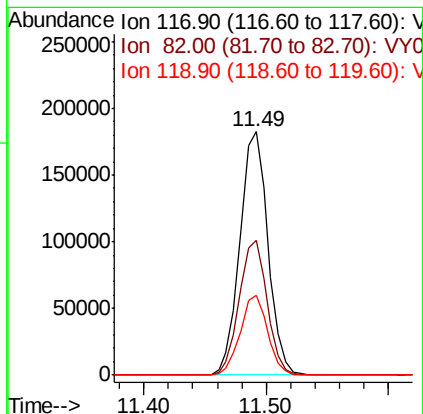
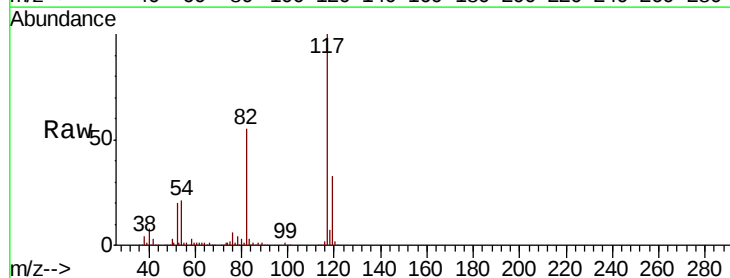
Instrument :
MSVOA_Y
ClientSampled :

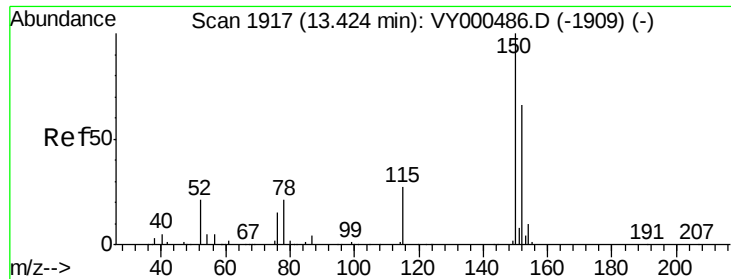
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	161.6
176	77.8	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000694.D
Acq: 15 Nov 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.3	40.8	61.2
119	32.9	26.2	39.2



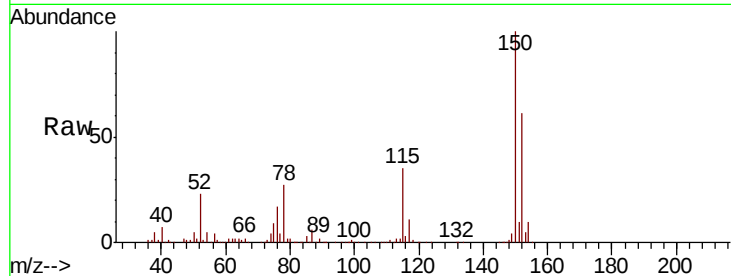


#72

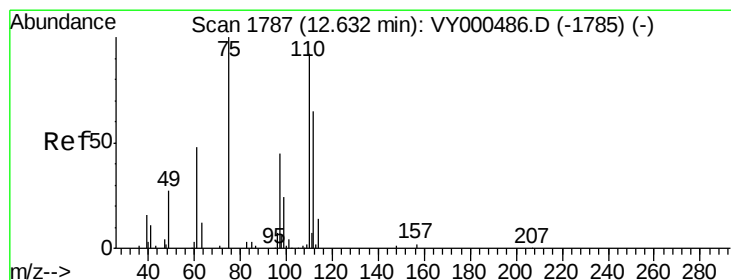
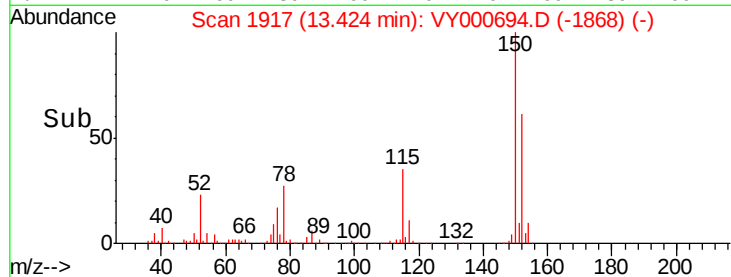
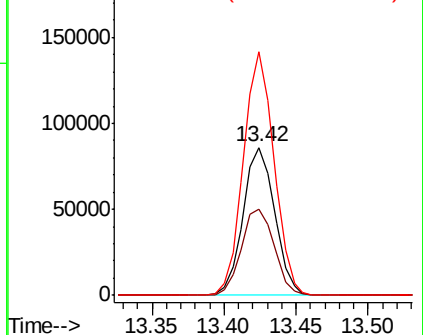
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000694.D
Acq: 15 Nov 2019 12:38

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.6	29.1	87.4
150	160.2	0.0	348.8



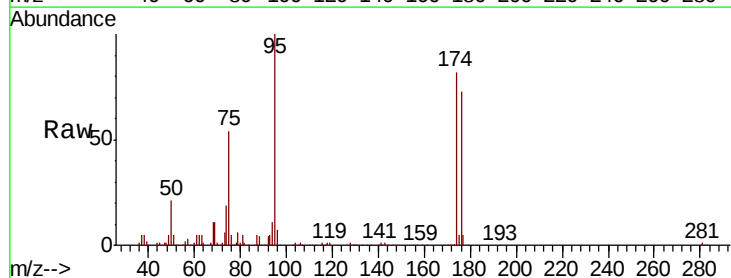
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



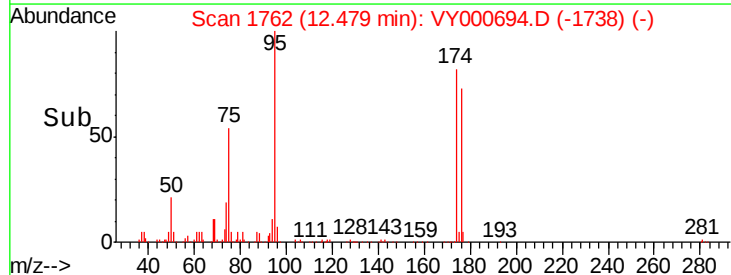
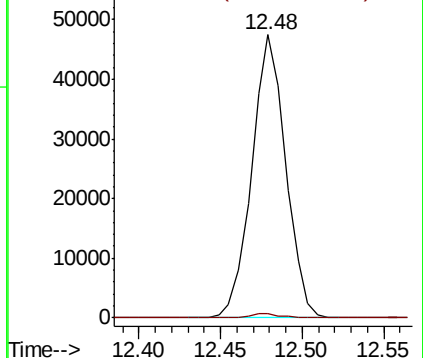
#76

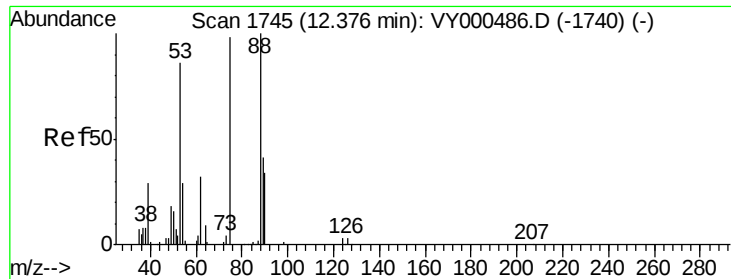
1,2,3-Trichloropropane
Concen: 46.287 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000694.D
Acq: 15 Nov 2019 12:38

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: 103.782 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000694.D

Acq: 15 Nov 2019 12:38

Instrument :

MSVOA_Y

ClientSampleId :

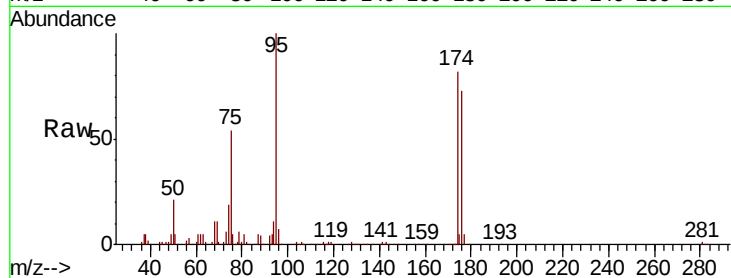
Tot Ion: 75 Resp: 68672

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 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

