

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000590.D
 Acq On : 07 Nov 2019 18:47
 Operator : SY/MD
 Sample : K5722-02
 Misc : 8.15G/5ML/MSVOA Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:49:23 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	232769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	421407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	370203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	163617	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	138661	57.56	ug/l	0.00
Spiked Amount			Recovery	=	115.12%	
35) Dibromofluoromethane	7.73	113	124193	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
50) Toluene-d8	10.18	98	490141	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.48	95	165527	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	

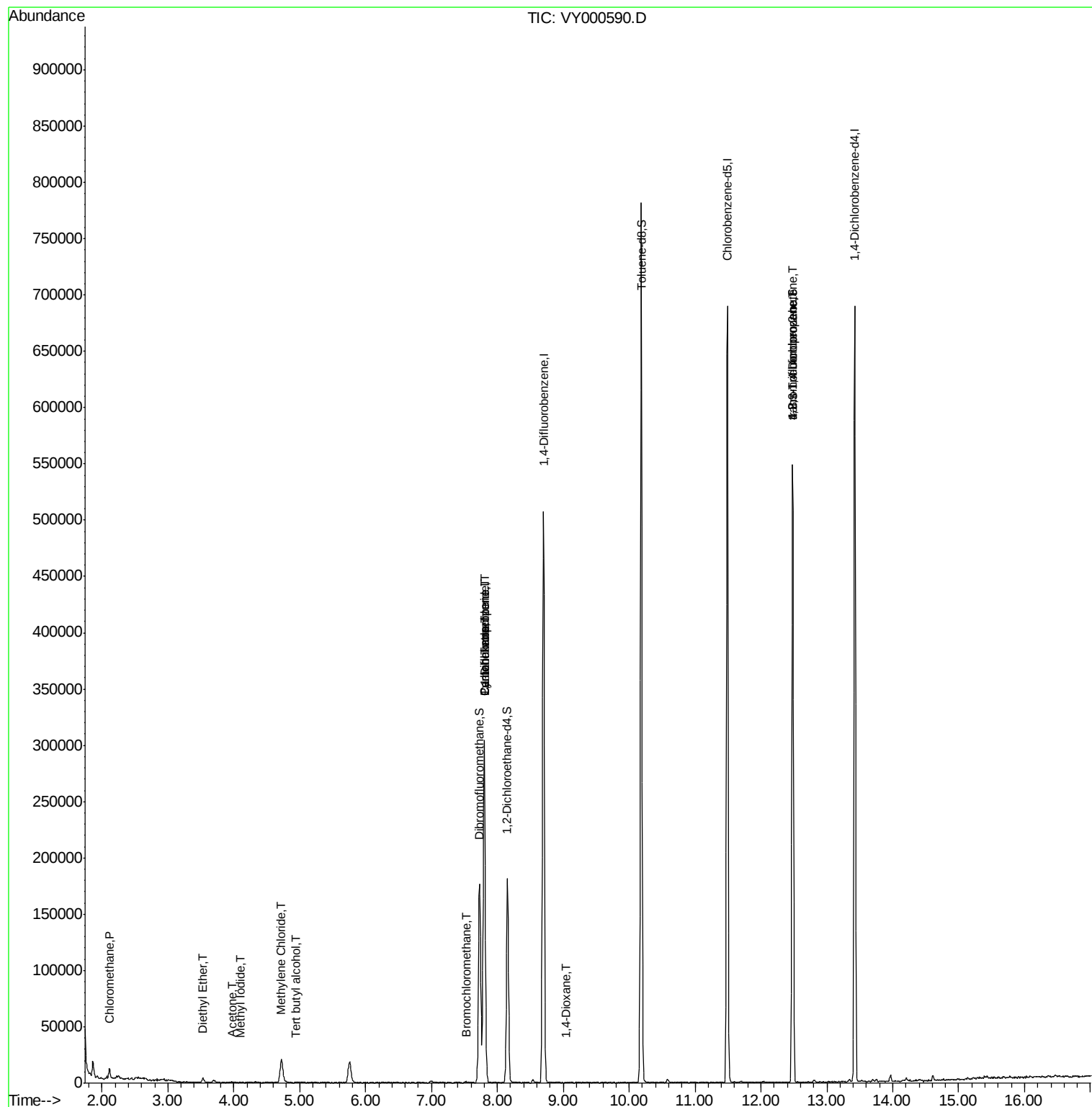
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	7986	2.530	ug/l	99
8) Diethyl Ether	3.53	74	1966	1.398	ug/l	84
10) Methyl Iodide	4.10	142	250	3.274	ug/l #	87
11) Tert butyl alcohol	4.95	59	319	1.360	ug/l #	72
16) Acetone	3.96	43	1009	1.520	ug/l	91
20) Methylene Chloride	4.72	84	14908	5.240	ug/l	93
28) Bromochloromethane	7.52	49	31	4.107	ug/l #	14
31) Cyclohexane	7.80	56	5557	1.192	ug/l #	15
36) 1,1-Dichloropropene	7.80	75	18127	4.550	ug/l #	48
38) Carbon Tetrachloride	7.80	117	22279	5.812	ug/l #	15
49) 1,4-Dioxane	9.03	88	28	1.316	ug/l #	27
76) 1,2,3-Trichloropropane	12.48	75	91592	49.164	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	91592	110.231	ug/l #	13

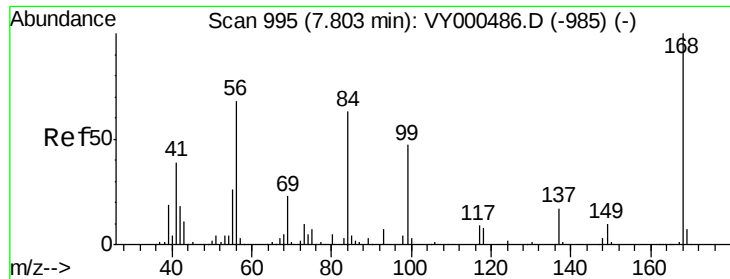
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000590.D

Acq: 07 Nov 2019 18:47

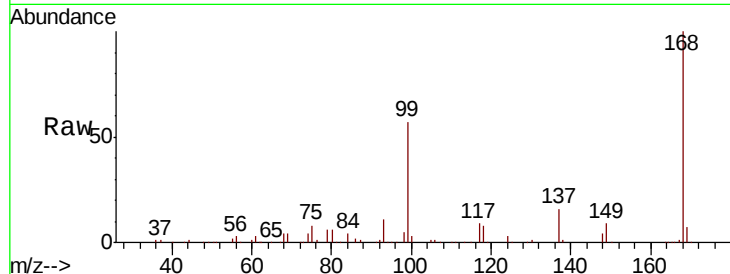
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 232769

Ion Ratio Lower Upper

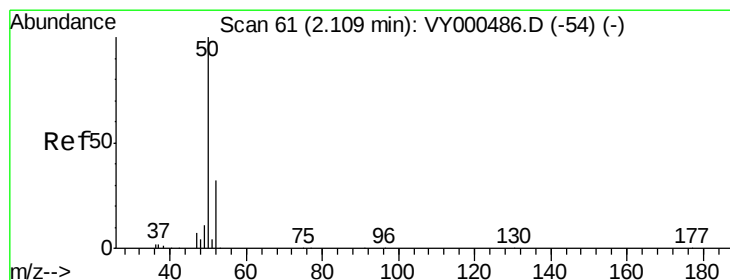
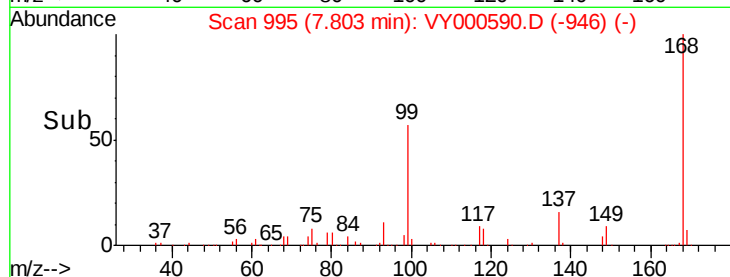
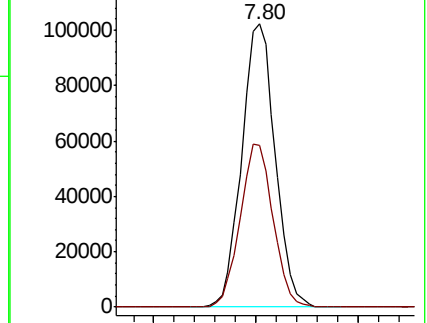
168 100

99 57.0 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) (-)



#3

Chloromethane

Concen: 2.530 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY000590.D

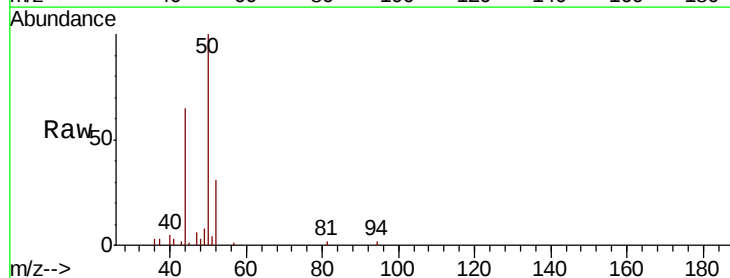
Acq: 07 Nov 2019 18:47

Tgt Ion: 50 Resp: 7986

Ion Ratio Lower Upper

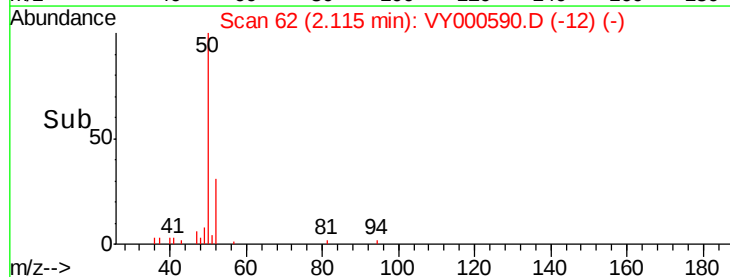
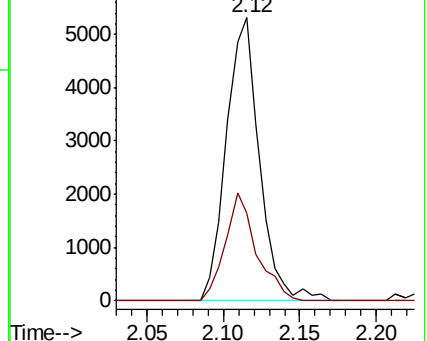
50 100

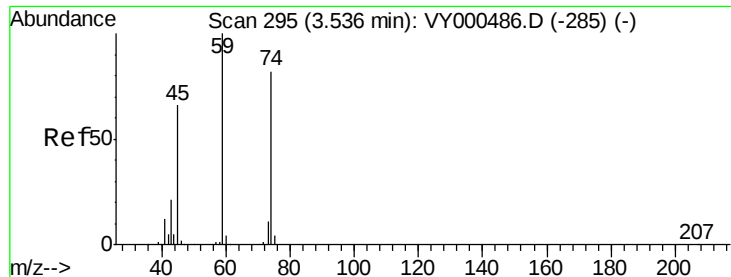
52 30.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY000486.D (-54) (-)

Ion 51.90 (51.60 to 52.60): VY000486.D (-54) (-)





#8

Diethyl Ether

Concen: 1.398 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000590.D

Acq: 07 Nov 2019 18:47

Instrument :

MSVOA_Y

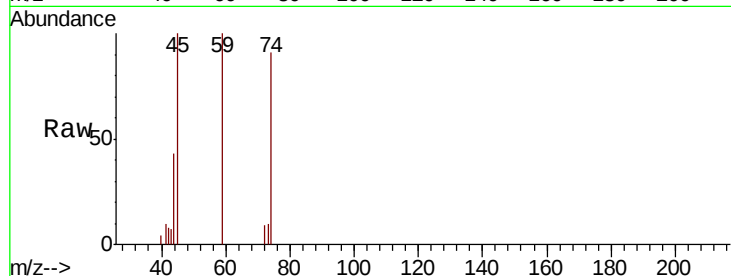
ClientSampleId :

Tot Ion: 74 Resp: 1966

Ion Ratio Lower Upper

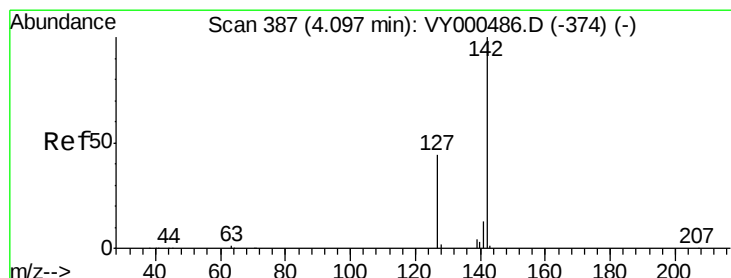
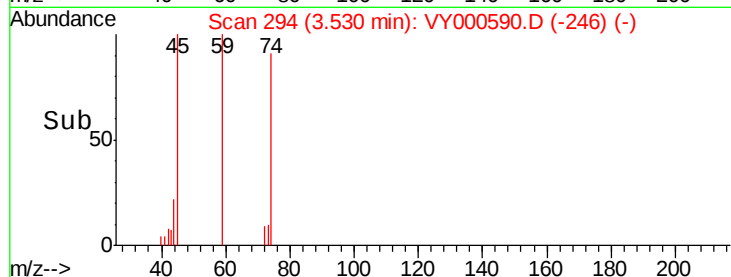
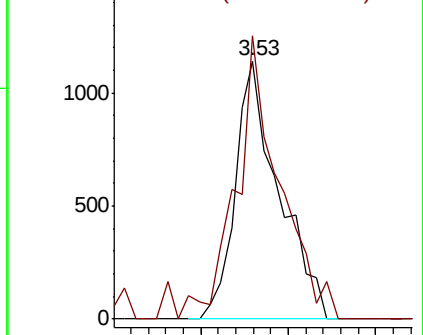
74 100

45 105.7 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000590.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000590.D (-285) (-)



#10

Methyl Iodide

Concen: 3.274 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000590.D

Acq: 07 Nov 2019 18:47

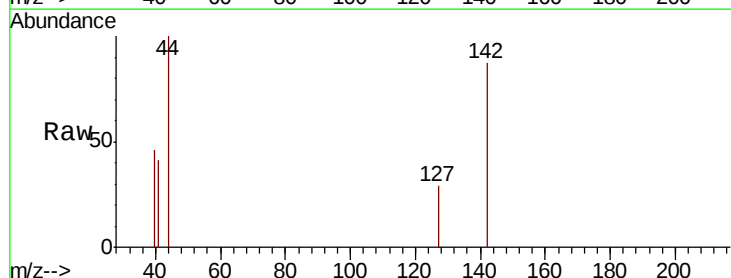
Tgt Ion: 142 Resp: 250

Ion Ratio Lower Upper

142 100

127 46.4 33.7 50.5

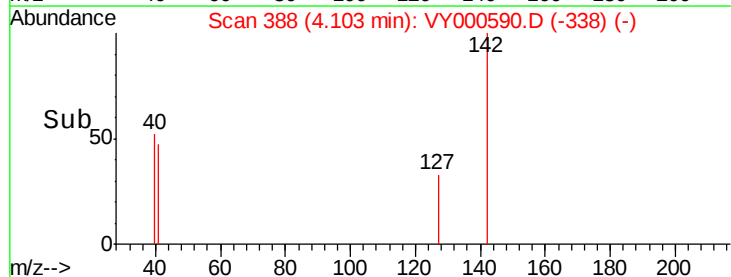
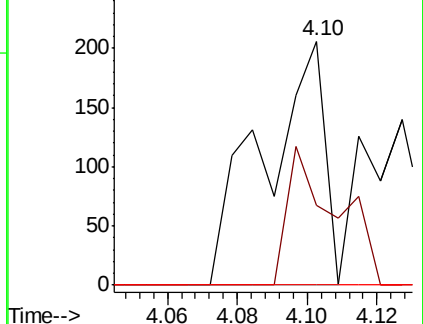
141 0.0 10.9 16.3#

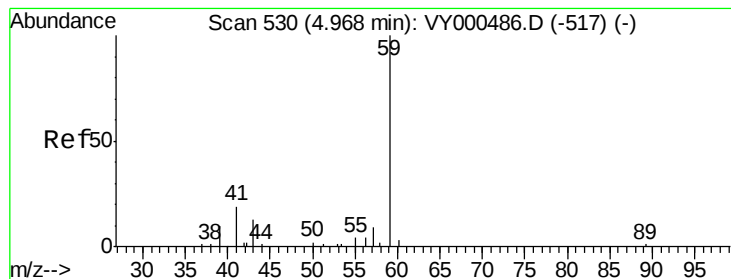


Abundance Ion 141.80 (141.50 to 142.50): VY000590.D (-374) (-)

Ion 126.80 (126.50 to 127.50): VY000590.D (-374) (-)

Ion 140.80 (140.50 to 141.50): VY000590.D (-374) (-)



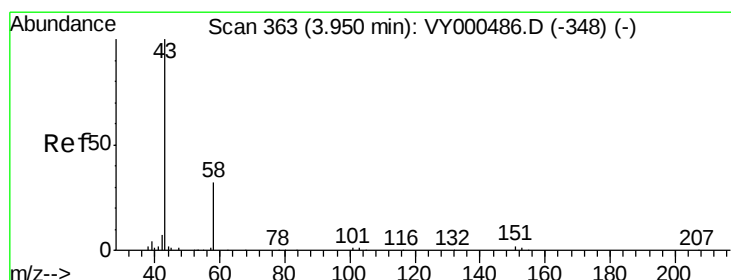
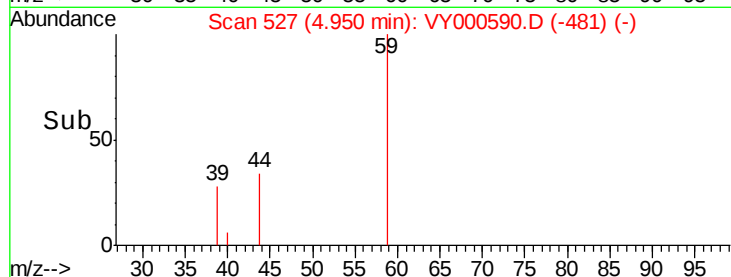
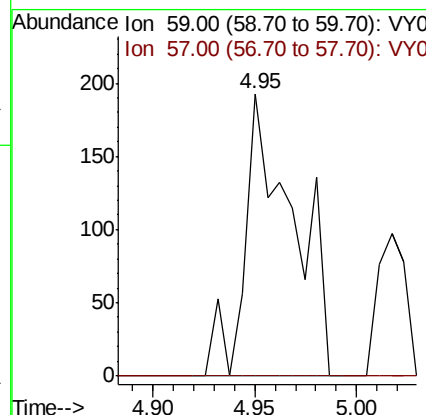
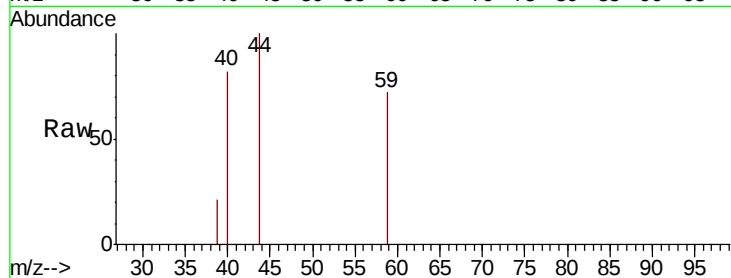


#11

Tert butyl alcohol
 Concen: 1.360 ug/l
 RT: 4.95 min Scan# 527
 Delta R.T. -0.02 min
 Lab File: VY000590.D
 Acq: 07 Nov 2019 18:47

Instrument :
 MSVOA_Y
 ClientSampled :

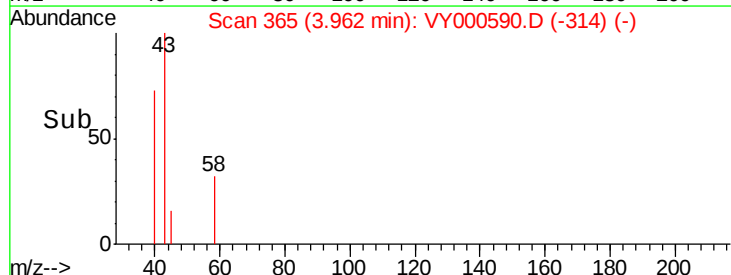
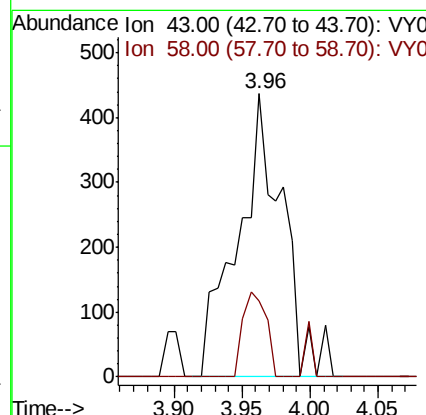
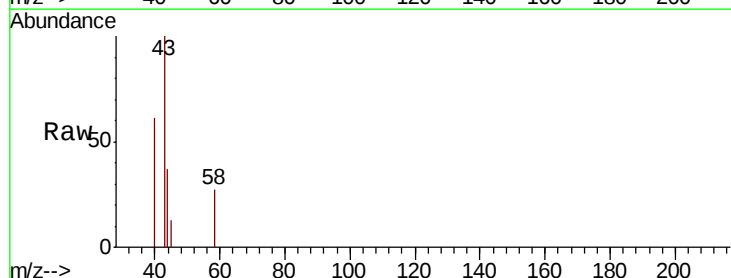
Tot Ion: 59 Resp: 319
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

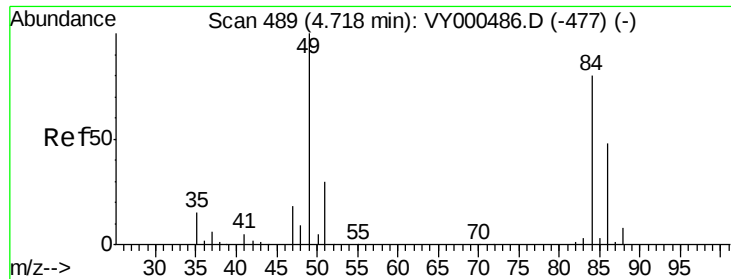


#16

Acetone
 Concen: 1.520 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000590.D
 Acq: 07 Nov 2019 18:47

Tgt Ion: 43 Resp: 1009
 Ion Ratio Lower Upper
 43 100
 58 27.0 25.8 38.6

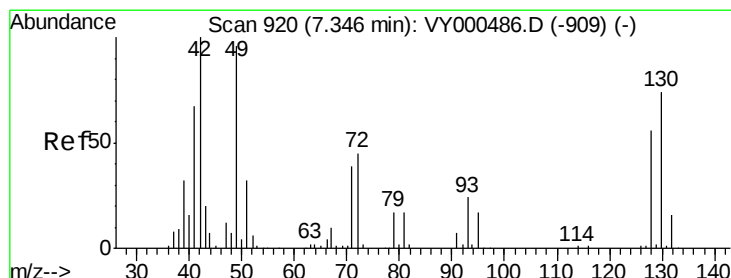
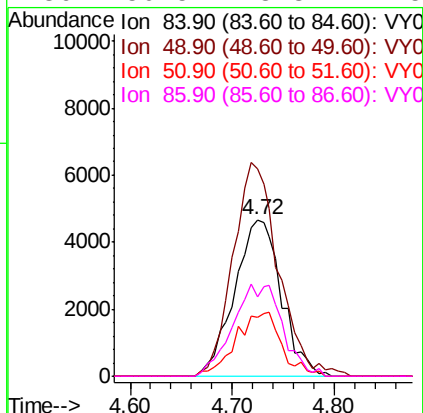
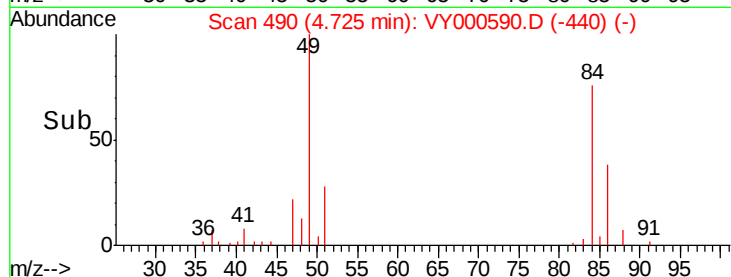
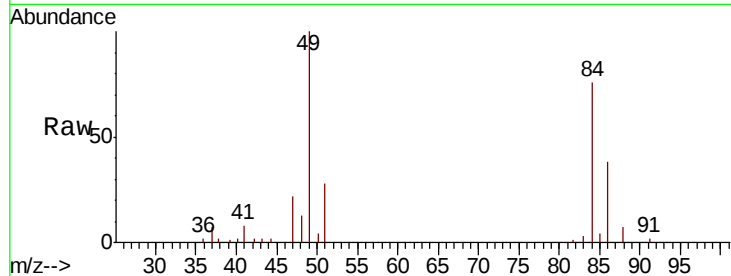




#20
Methvlene Chloride
Concen: 5.240 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000590.D
Acq: 07 Nov 2019 18:47

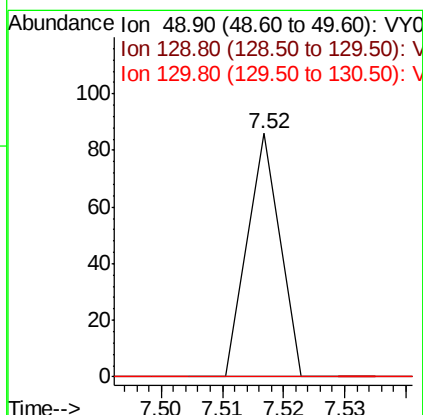
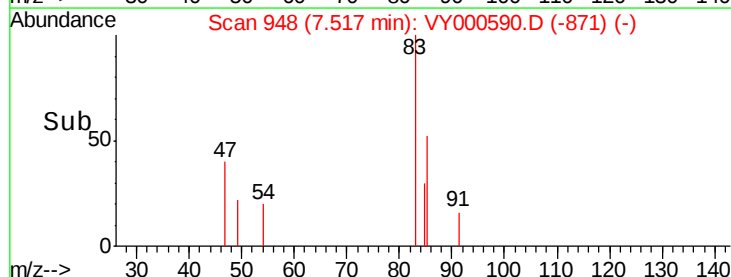
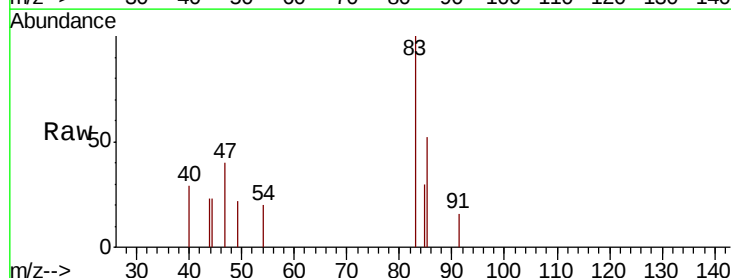
Instrument :
MSVOA_Y
ClientSampleId :

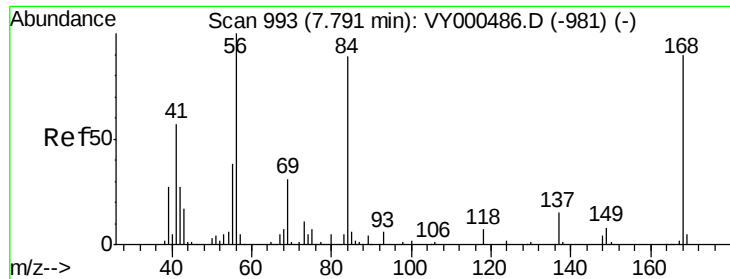
Tot Ion: 84 Resp: 14908
Ion Ratio Lower Upper
84 100
49 132.3 100.2 150.4
51 37.2 29.6 44.4
86 50.5 48.3 72.5



#28
Bromochloromethane
Concen: 4.107 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.17 min
Lab File: VY000590.D
Acq: 07 Nov 2019 18:47

Tgt Ion: 49 Resp: 31
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 59.4 89.0#

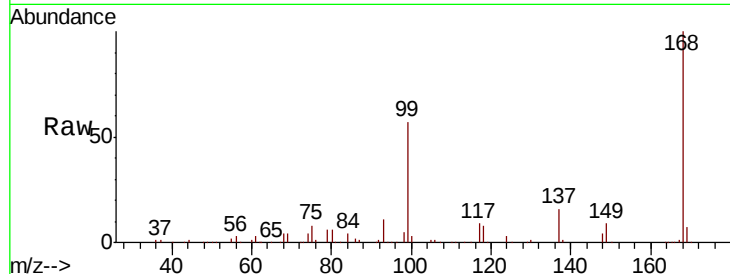




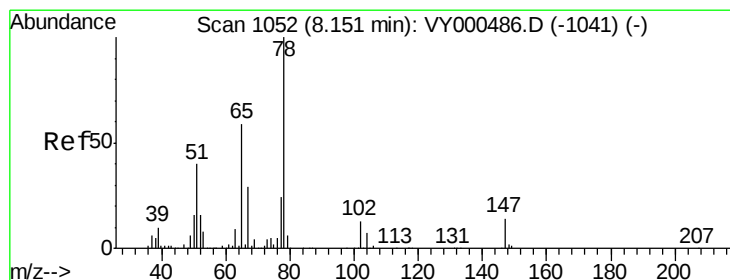
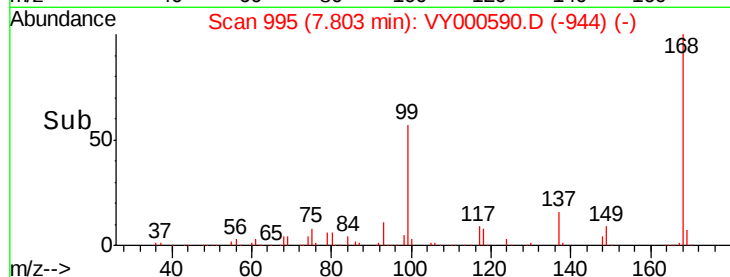
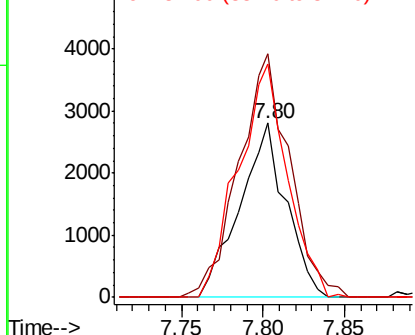
#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.01 min
Lab File: VY000590.D
Acq: 07 Nov 2019 18:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 56 Resp: 5557
Ion Ratio Lower Upper
56 100
69 137.1 25.0 37.6#
84 134.1 71.4 107.2#

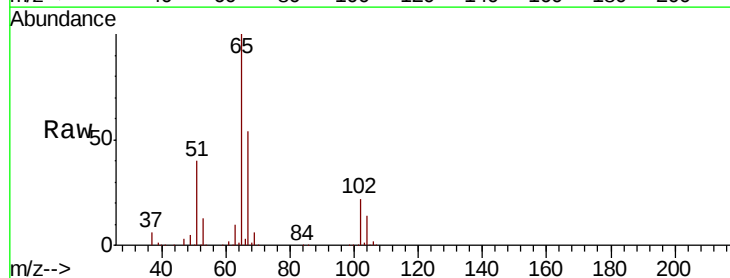


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

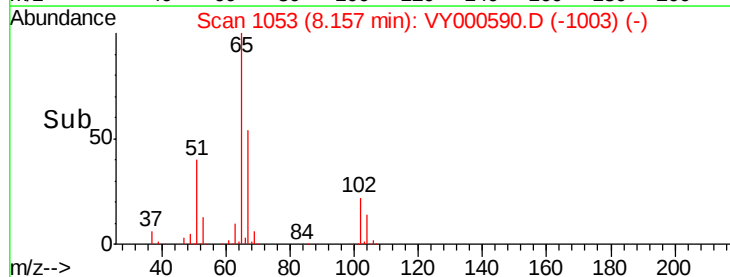
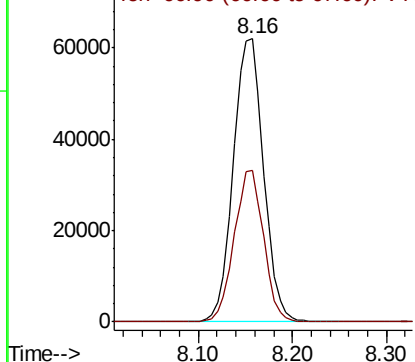


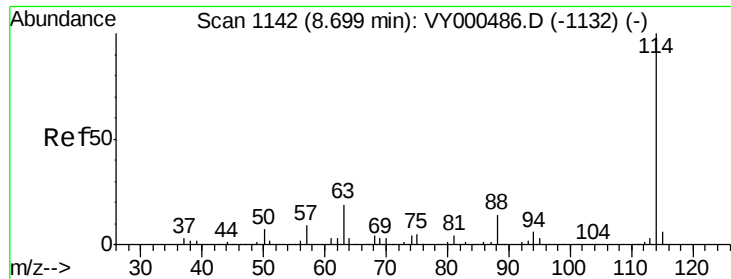
#33
1,2-Dichloroethane-d4
Concen: 57.563 ug/l
RT: 8.16 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VY000590.D
Acq: 07 Nov 2019 18:47

Tgt Ion: 65 Resp: 138661
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.2



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

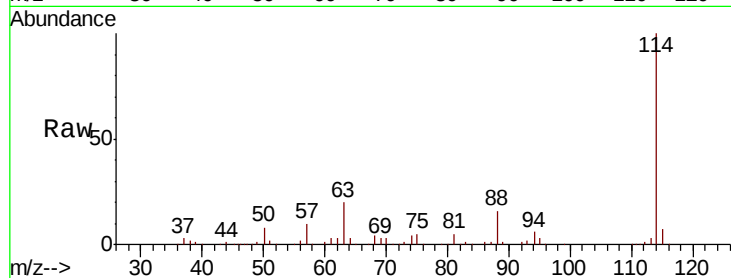




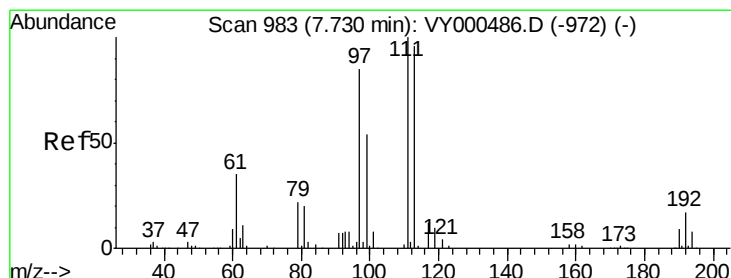
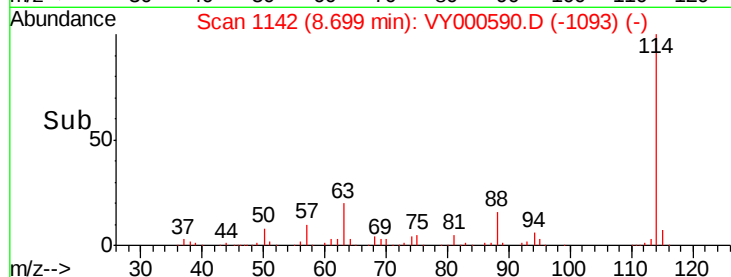
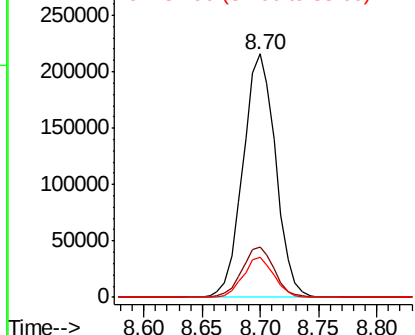
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000590.D
 Acq: 07 Nov 2019 18:47

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:114 Resp: 421407
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.0
 88 16.5 0.0 28.6

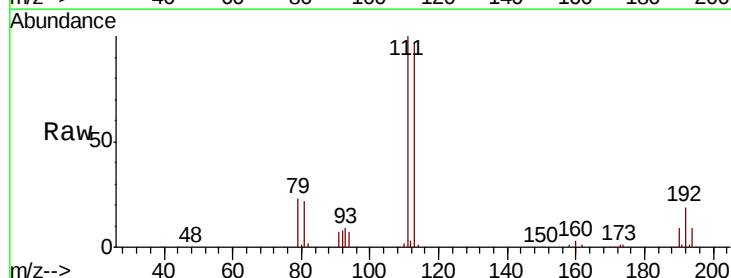


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

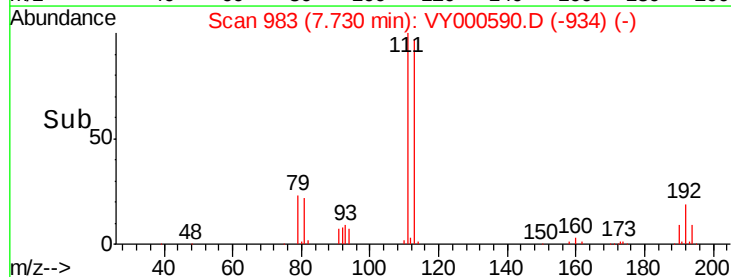
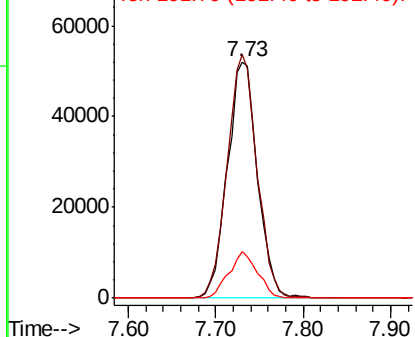


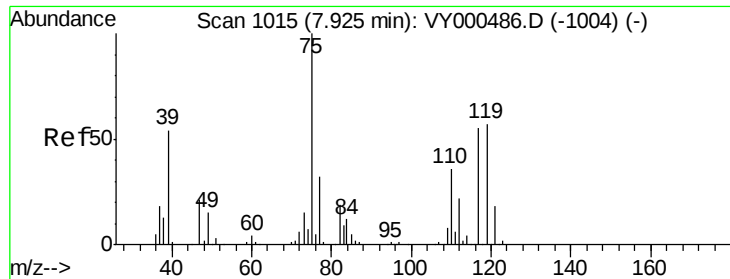
#35
 Dibromofluoromethane
 Concen: 50.201 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000590.D
 Acq: 07 Nov 2019 18:47

Tgt Ion:113 Resp: 124193
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.7 122.5
 192 18.8 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

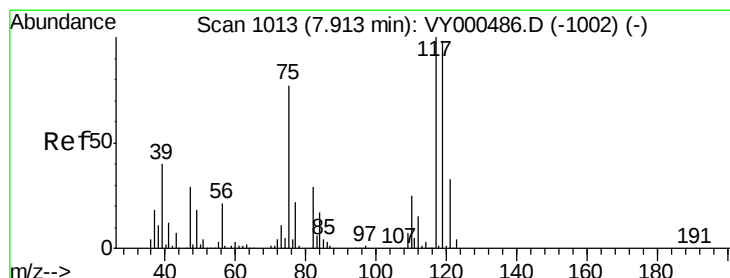
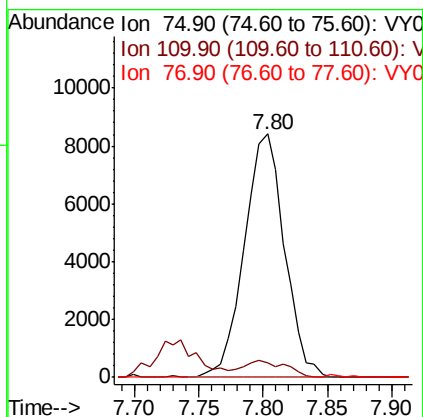
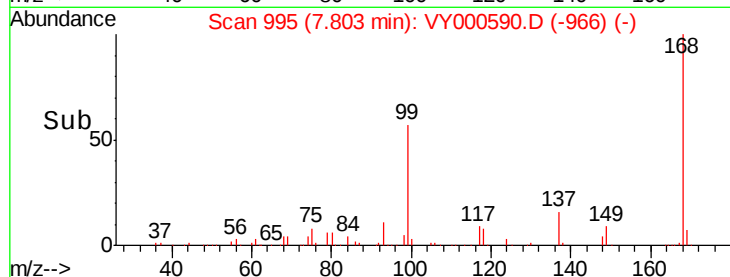
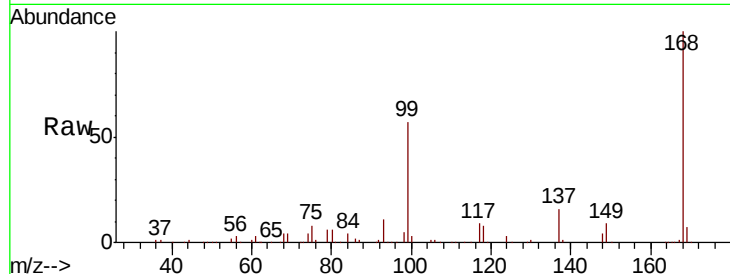




#36
 1,1-Dichloropropene
 Concen: 4.550 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000590.D
 Acq: 07 Nov 2019 18:47

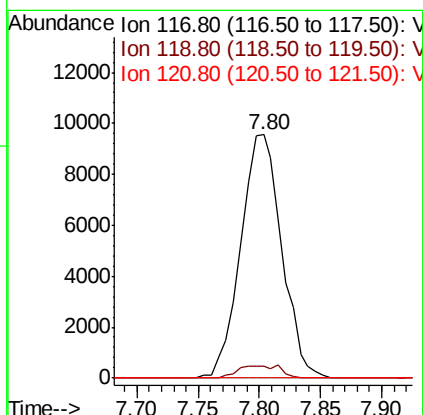
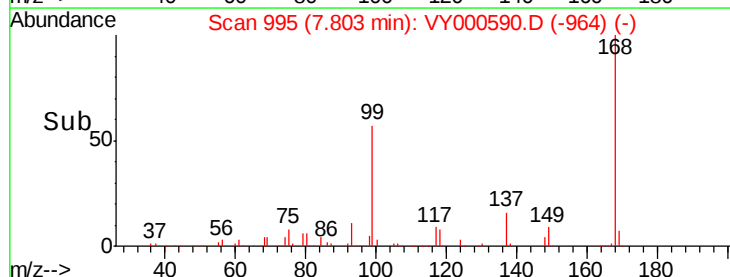
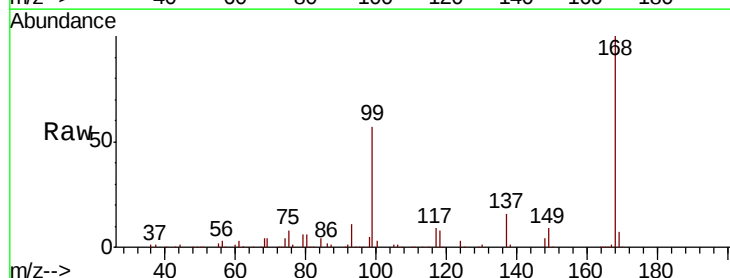
Instrument :
 MSVOA_Y
 ClientSampled :

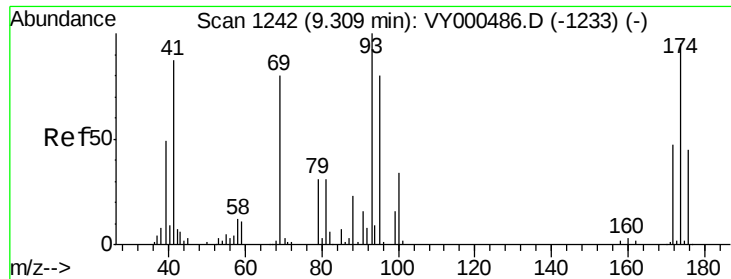
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.812 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000590.D
 Acq: 07 Nov 2019 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	78.0	117.0#
121	0.0	26.6	40.0#

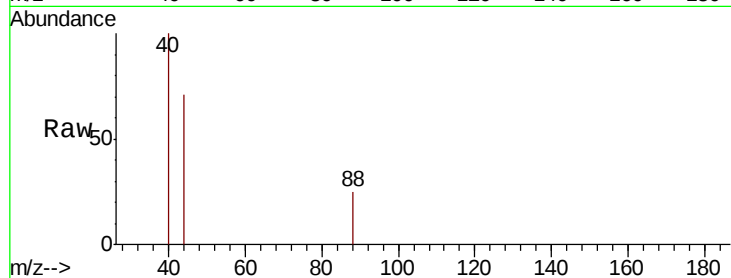




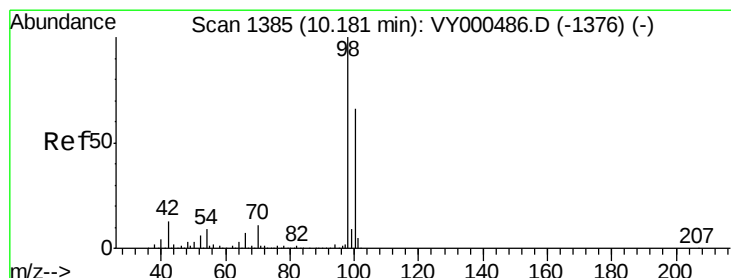
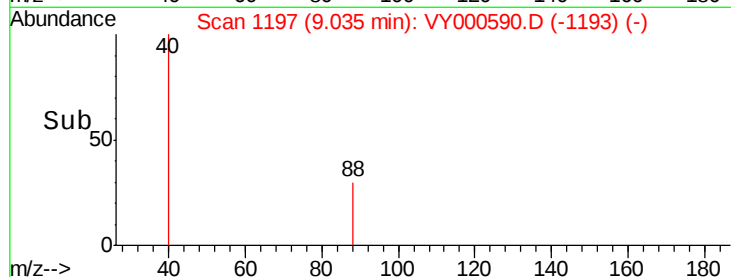
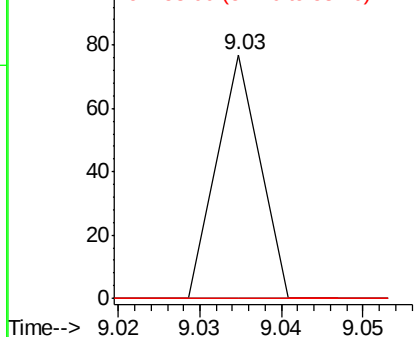
#49
 1,4-Dioxane
 Concen: 1.316 ug/l
 RT: 9.03 min Scan# 1197
 Delta R.T. -0.27 min
 Lab File: VY000590.D
 Acq: 07 Nov 2019 18:47

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 88 Resp: 28
 Ion Ratio Lower Upper
 88 100
 43 0.0 25.1 37.7#
 58 0.0 50.6 75.8#

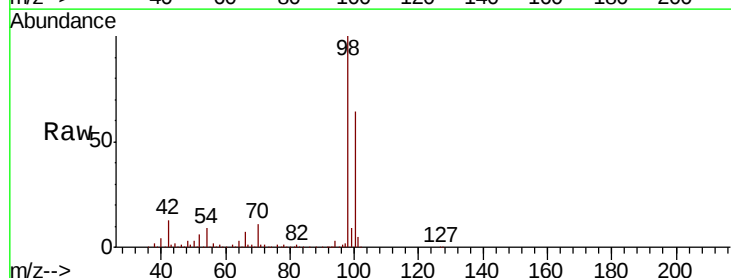


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

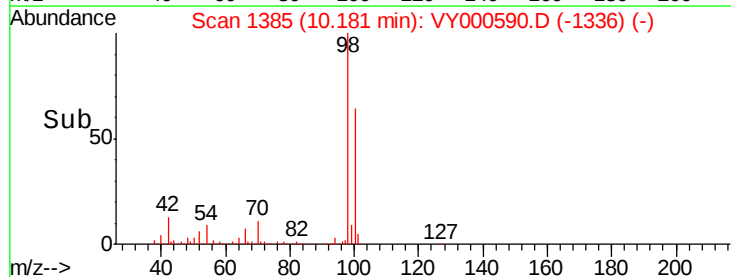
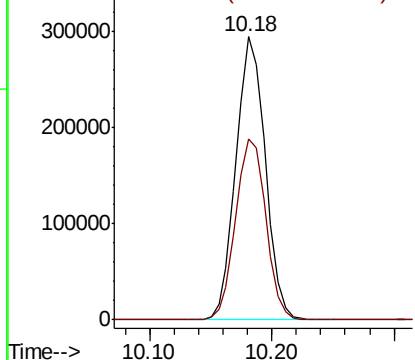


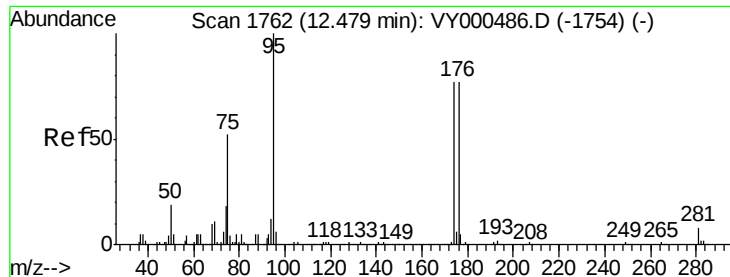
#50
 Toluene-d8
 Concen: 52.213 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY000590.D
 Acq: 07 Nov 2019 18:47

Tgt Ion: 98 Resp: 490141
 Ion Ratio Lower Upper
 98 100
 100 65.7 52.9 79.3



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

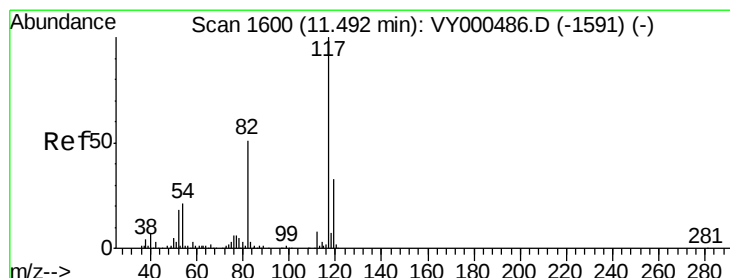
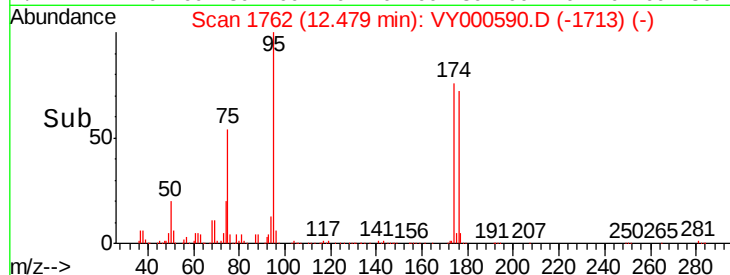
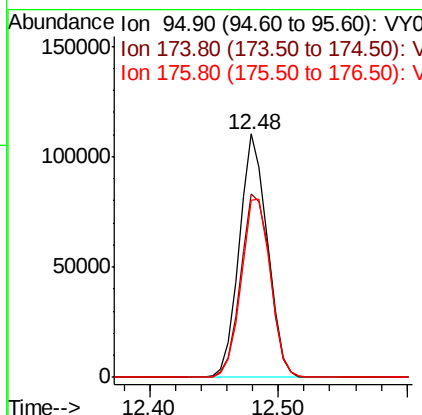
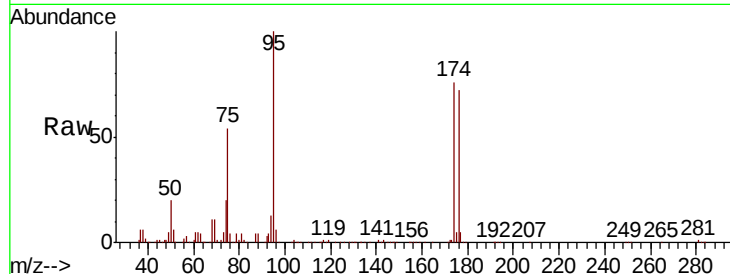




#62
4-Bromofluorobenzene
Concen: 46.318 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000590.D
Acq: 07 Nov 2019 18:47

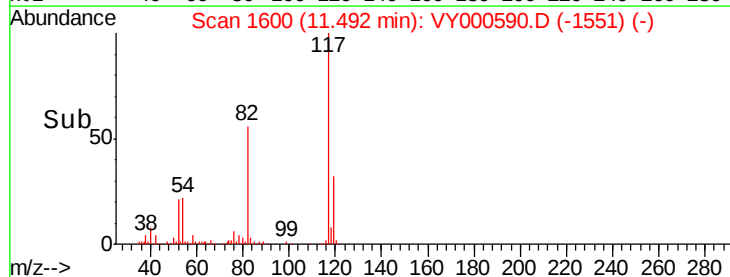
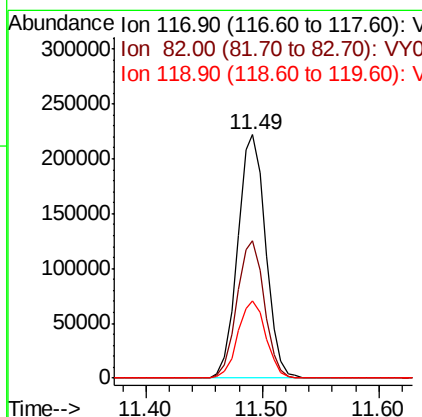
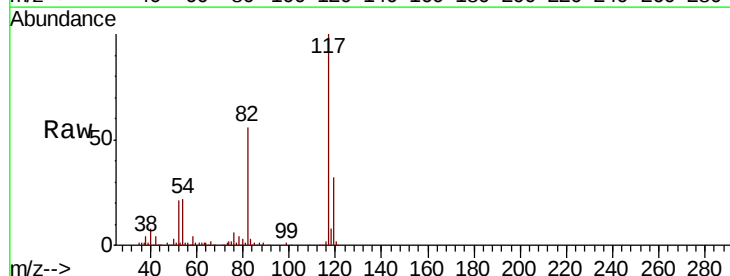
Instrument :
MSVOA_Y
ClientSampled :

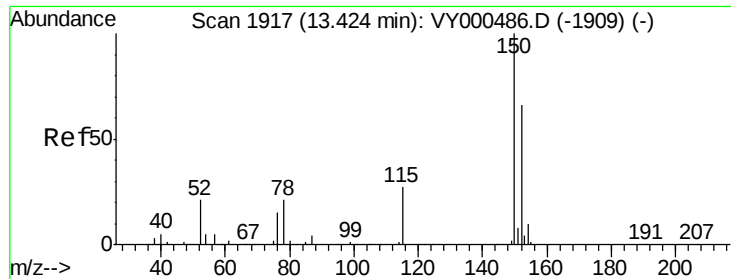
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	161.6
176	76.2	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000590.D
Acq: 07 Nov 2019 18:47

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.3	40.8	61.2
119	31.6	26.2	39.2



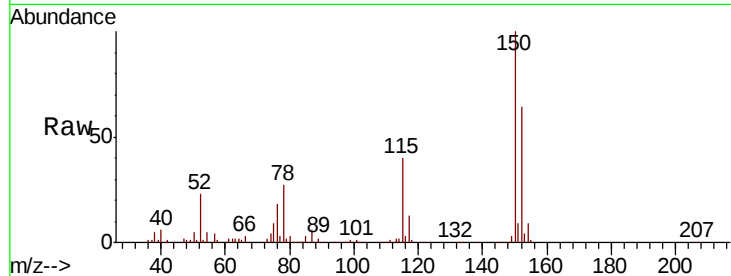


#72

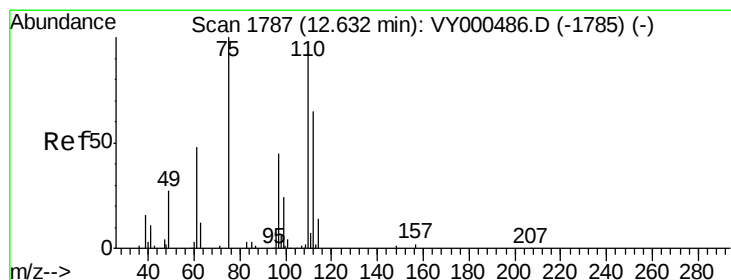
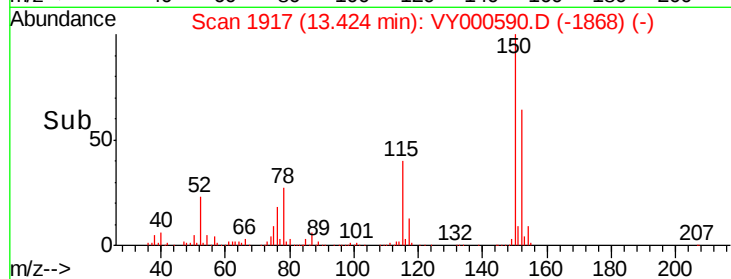
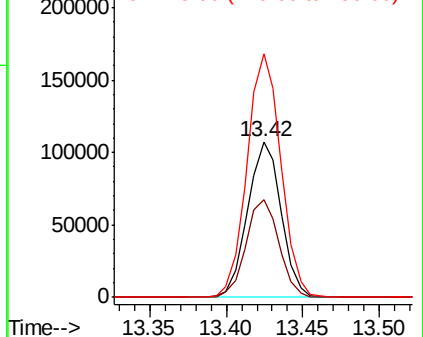
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000590.D
Acq: 07 Nov 2019 18:47

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:152 Resp: 163617
Ion Ratio Lower Upper
152 100
115 61.3 29.1 87.4
150 157.6 0.0 348.8



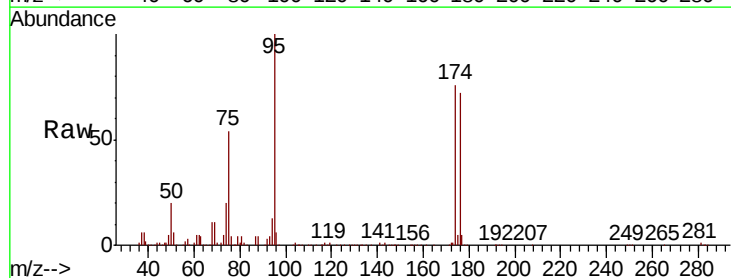
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



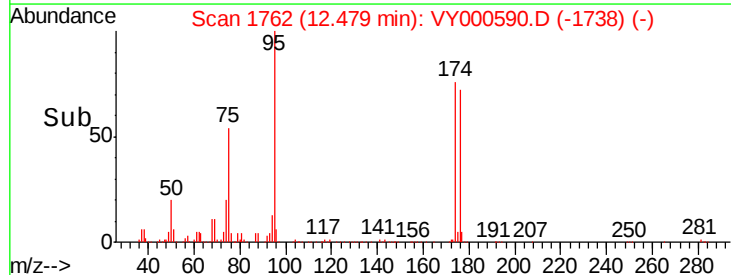
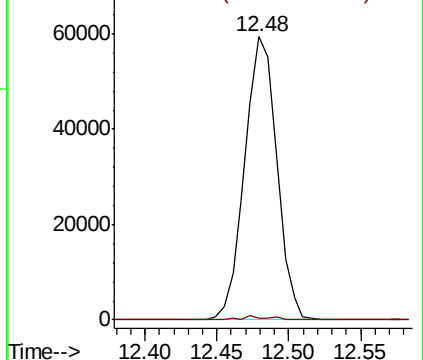
#76

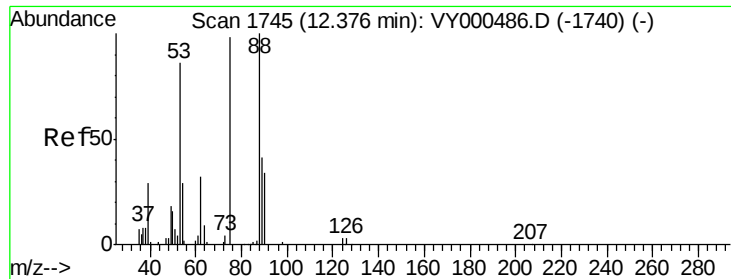
1,2,3-Trichloropropane
Concen: 49.164 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000590.D
Acq: 07 Nov 2019 18:47

Tgt Ion: 75 Resp: 91592
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: 110.231 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000590.D

Acq: 07 Nov 2019 18:47

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 91592

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 35.9 53.9#

