

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110619\
 Data File : VY000547.D
 Acq On : 06 Nov 2019 13:41
 Operator : SY/MD
 Sample : K5701-02
 Misc : 4.98G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 04:56:13 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	206982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	368710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	330686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	147726	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	116877	54.56	ug/l	0.00
Spiked Amount			Recovery	=	109.12%	
35) Dibromofluoromethane	7.73	113	108133	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
50) Toluene-d8	10.18	98	430334	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.48	95	145810	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	

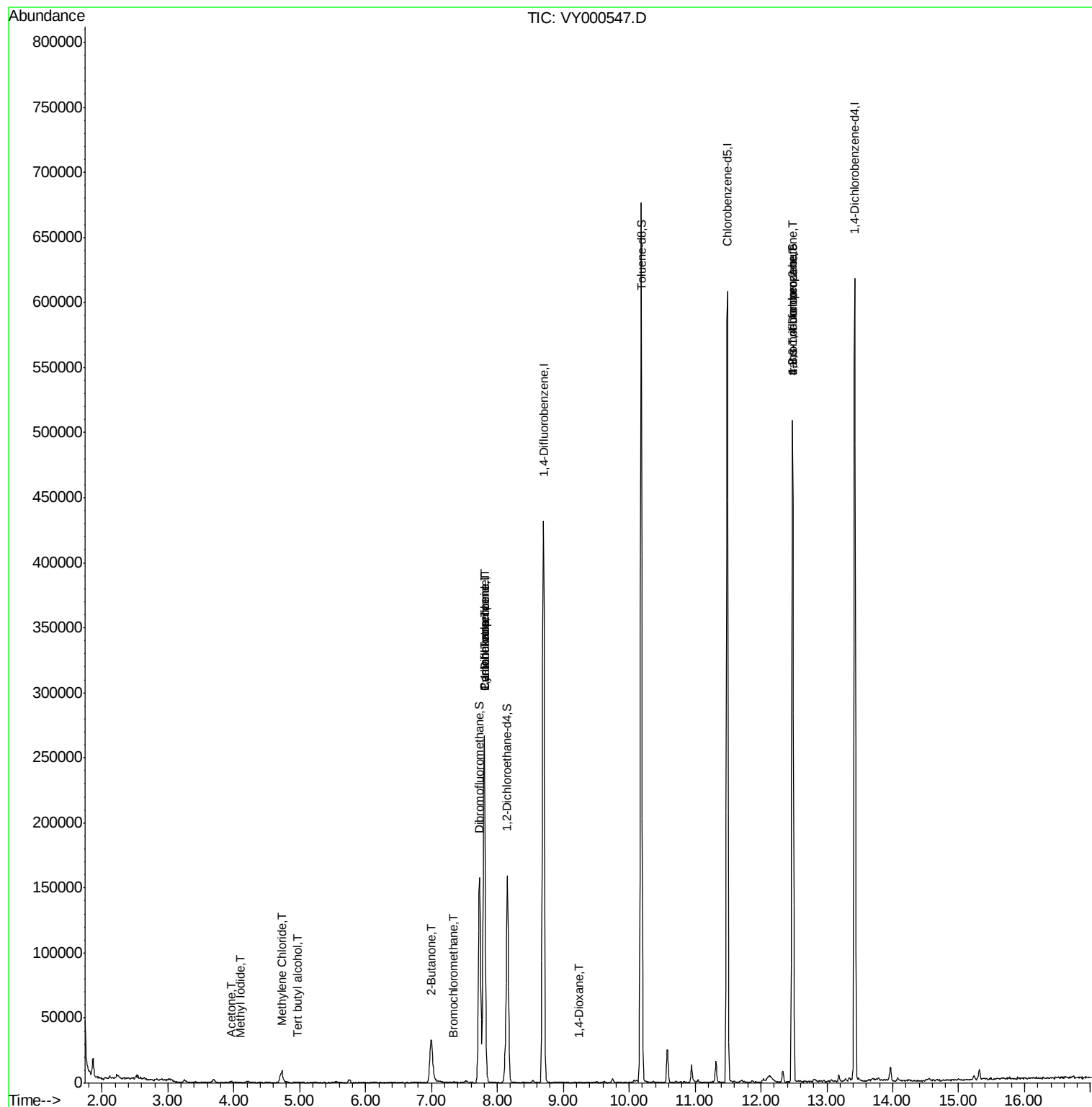
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.10	142	44	3.214	ug/l #	41
11) Tert butyl alcohol	4.96	59	737	3.535	ug/l #	72
16) Acetone	3.97	43	1921	3.254	ug/l #	75
20) Methylene Chloride	4.72	84	5592	2.211	ug/l	97
25) 2-Butanone	6.99	43	1506	1.598	ug/l #	69
28) Bromochloromethane	7.33	49	42	4.114	ug/l #	14
31) Cyclohexane	7.80	56	4621	1.115	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16577	4.756	ug/l #	50
38) Carbon Tetrachloride	7.80	117	20987	6.257	ug/l #	16
49) 1,4-Dioxane	9.24	88	64	3.438	ug/l #	33
76) 1,2,3-Trichloropropane	12.48	75	78489	46.662	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	78489	104.623	ug/l #	13

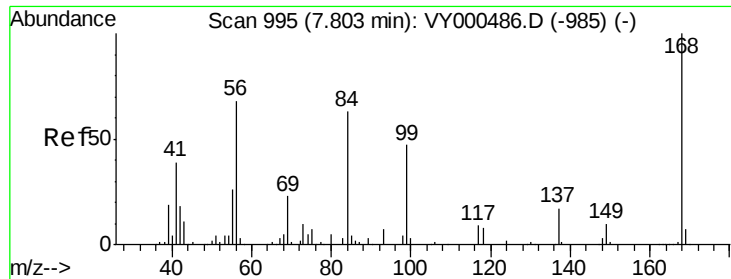
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000547.D

Acq: 06 Nov 2019 13:41

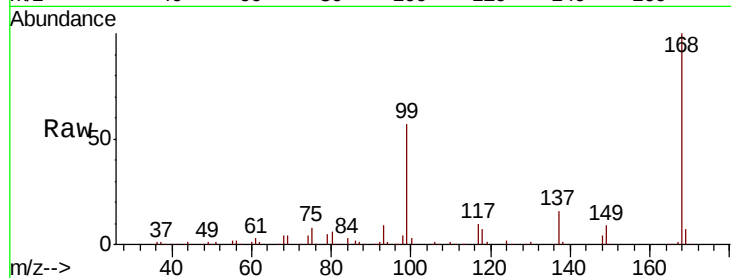
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 206982

Ion Ratio Lower Upper

168 100

99 56.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0

7.80

100000

80000

60000

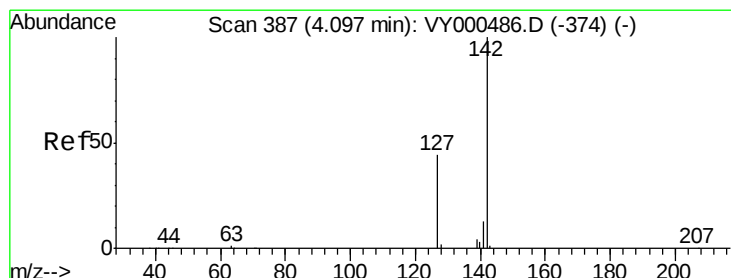
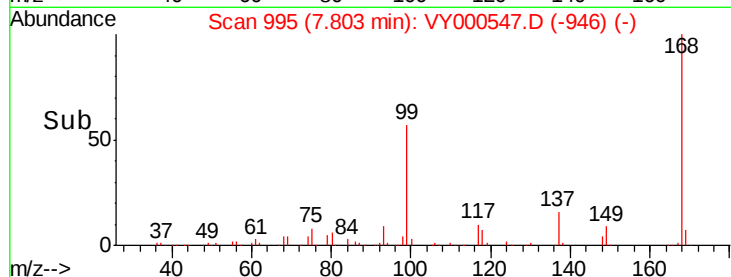
40000

20000

0

Time-->

7.70 7.80 7.90



#10

Methyl Iodide

Concen: 3.214 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000547.D

Acq: 06 Nov 2019 13:41

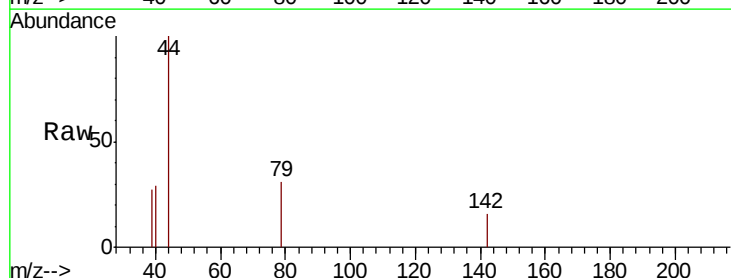
Tgt Ion:142 Resp: 44

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

4.10

80

60

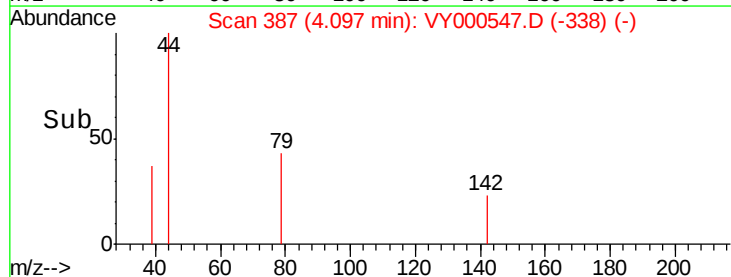
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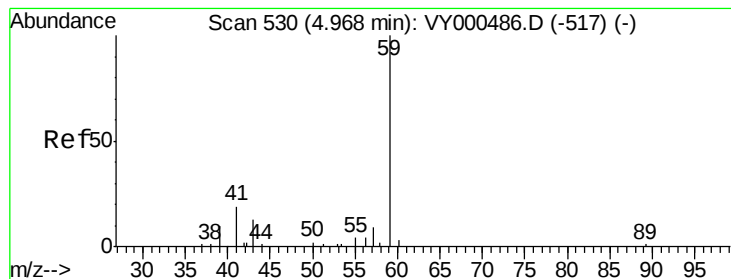
20

0

Time-->

4.08 4.10 4.12



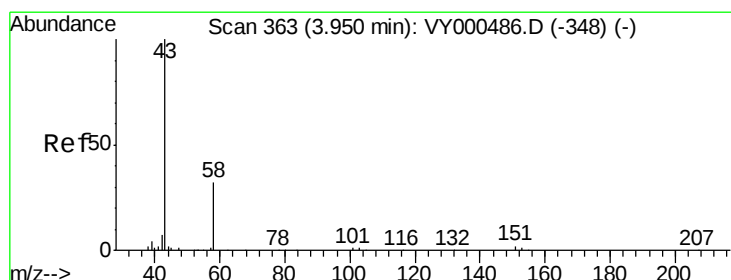
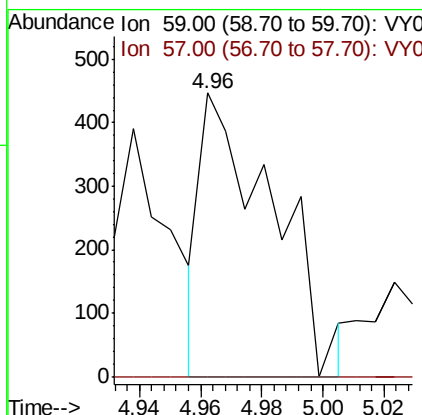
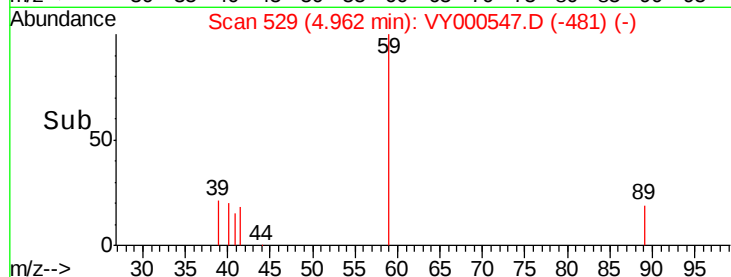
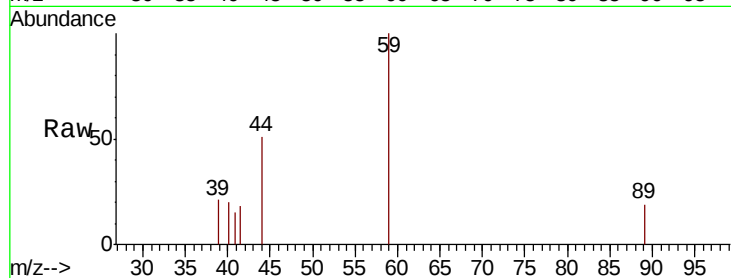


#11

Tert butyl alcohol
 Concen: 3.535 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VY000547.D
 Acq: 06 Nov 2019 13:41

Instrument :
 MSVOA_Y
 ClientSampled :

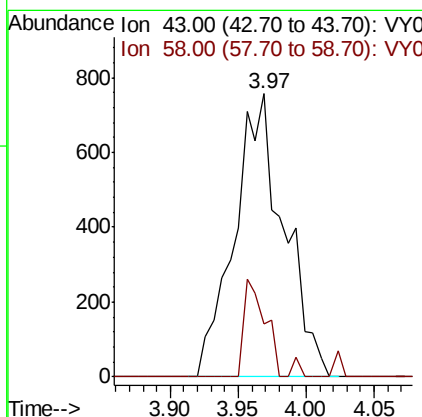
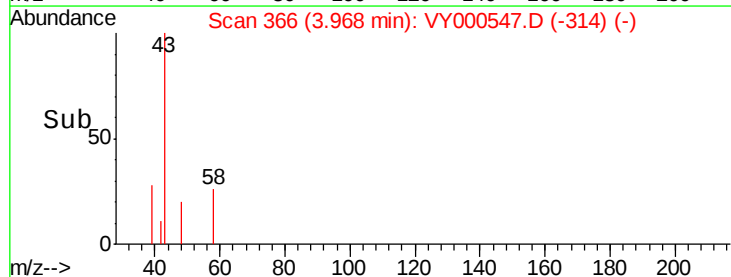
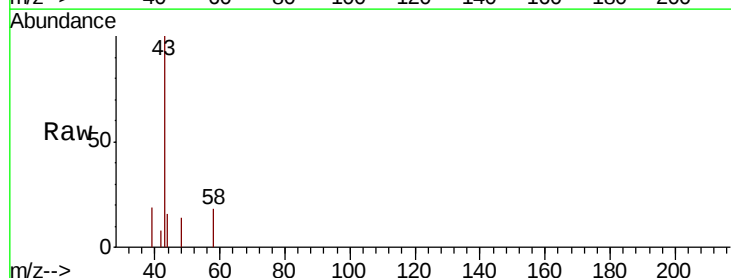
Tot Ion: 59 Resp: 737
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

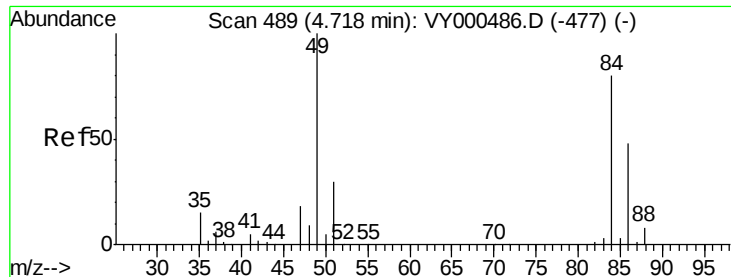


#16

Acetone
 Concen: 3.254 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VY000547.D
 Acq: 06 Nov 2019 13:41

Tgt Ion: 43 Resp: 1921
 Ion Ratio Lower Upper
 43 100
 58 18.5 25.8 38.6#

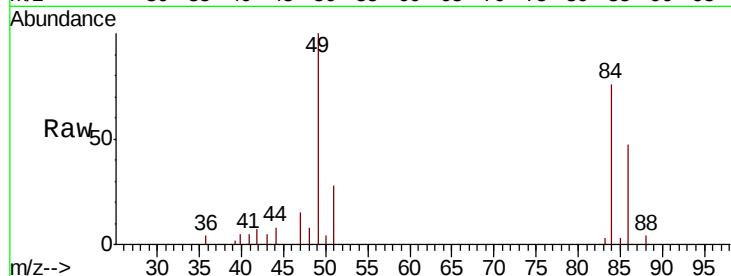




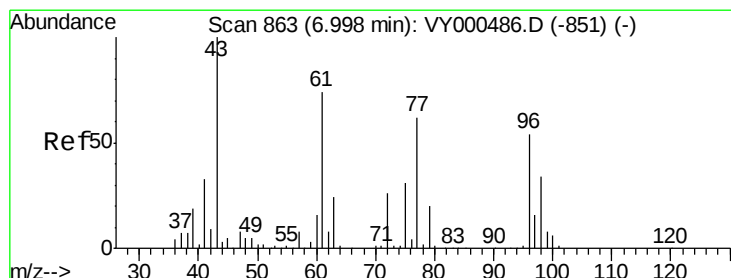
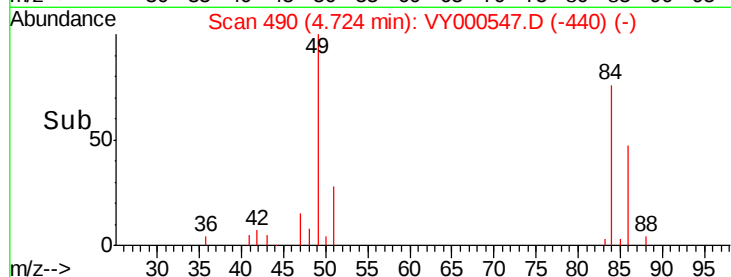
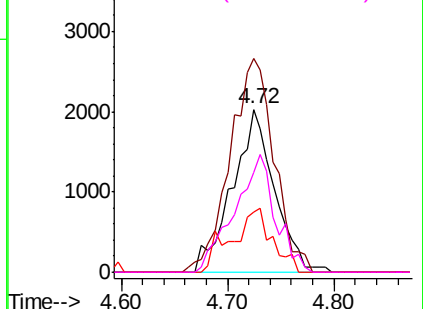
#20
Methvlene Chloride
Concen: 2.211 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000547.D
Acq: 06 Nov 2019 13:41

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 84 Resp: 5592
Ion Ratio Lower Upper
84 100
49 131.1 100.2 150.4
51 37.2 29.6 44.4
86 61.5 48.3 72.5

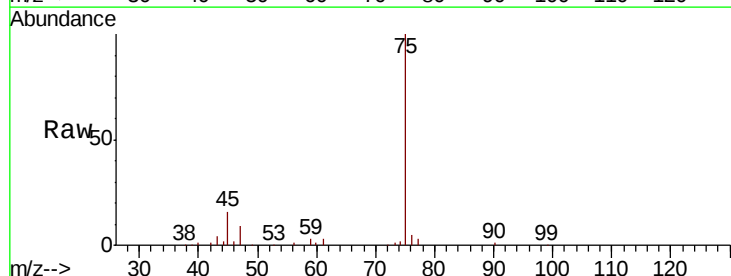


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

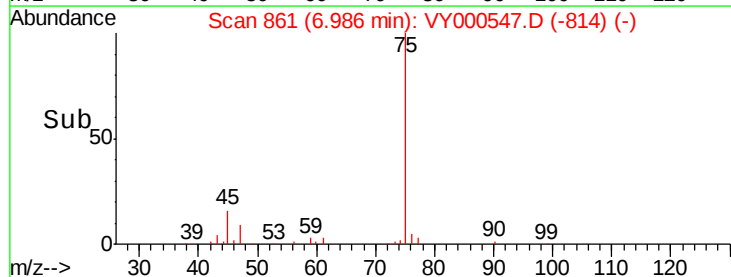
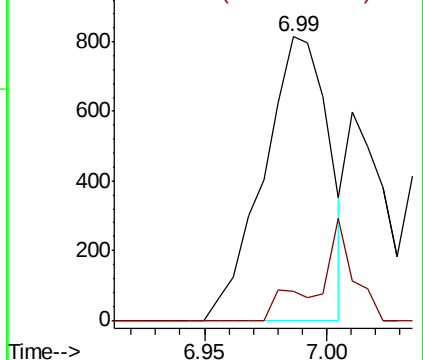


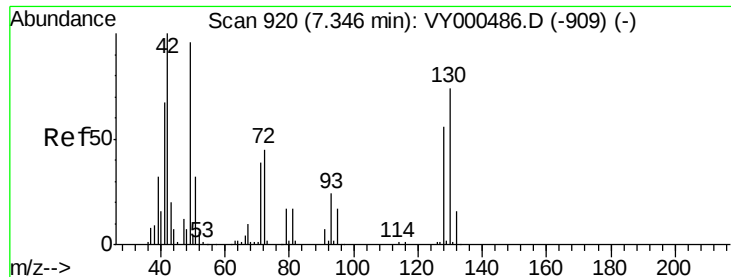
#25
2-Butanone
Concen: 1.598 ug/l
RT: 6.99 min Scan# 861
Delta R.T. -0.01 min
Lab File: VY000547.D
Acq: 06 Nov 2019 13:41

Tgt Ion: 43 Resp: 1506
Ion Ratio Lower Upper
43 100
72 10.3 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





#28

Bromochloromethane

Concen: 4.114 ug/l

RT: 7.33 min Scan# 918

Delta R.T. -0.01 min

Lab File: VY000547.D

Acq: 06 Nov 2019 13:41

Instrument :

MSVOA_Y

ClientSampleId :

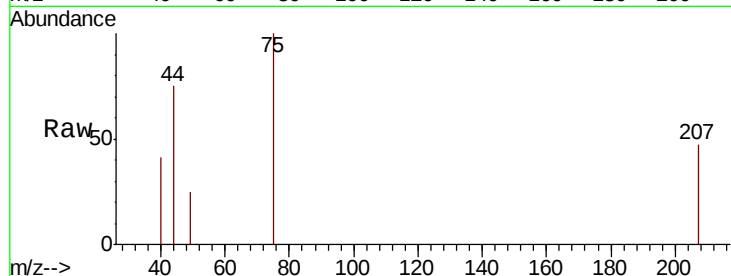
Tot Ion: 49 Resp: 42

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

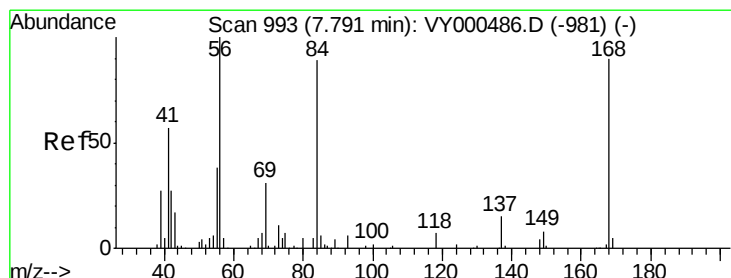
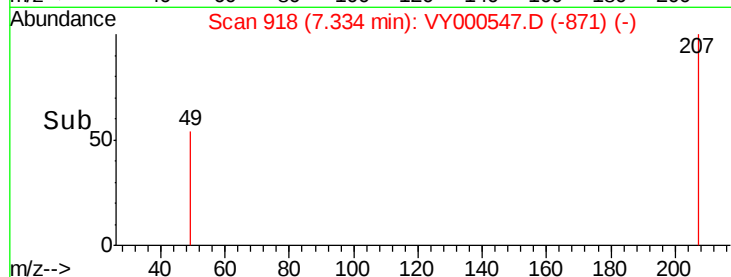
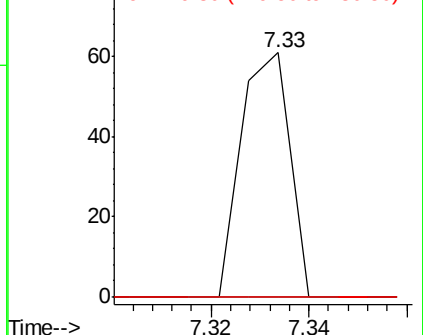
130 0.0 59.4 89.0#



Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.115 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000547.D

Acq: 06 Nov 2019 13:41

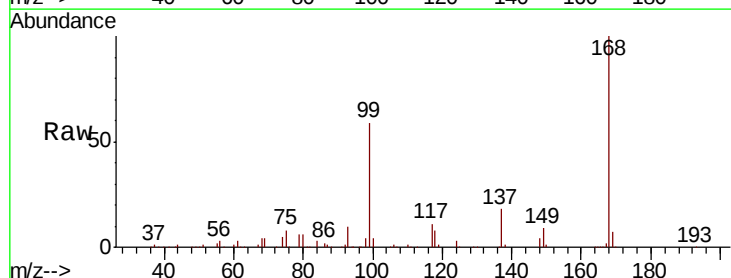
Tgt Ion: 56 Resp: 4621

Ion Ratio Lower Upper

56 100

69 165.1 25.0 37.6#

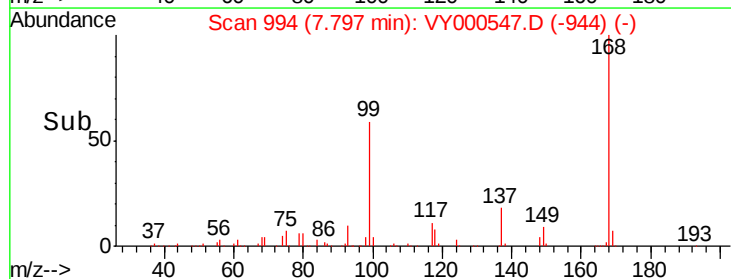
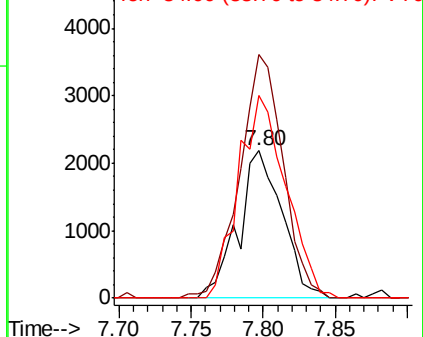
84 137.5 71.4 107.2#

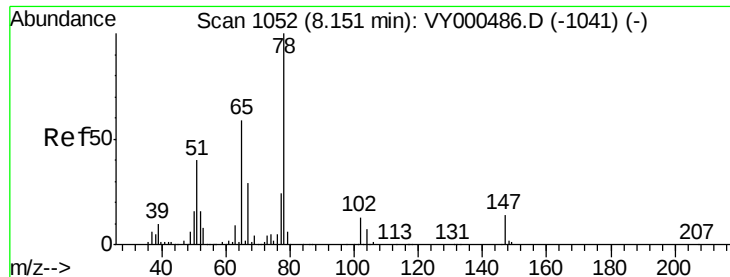


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

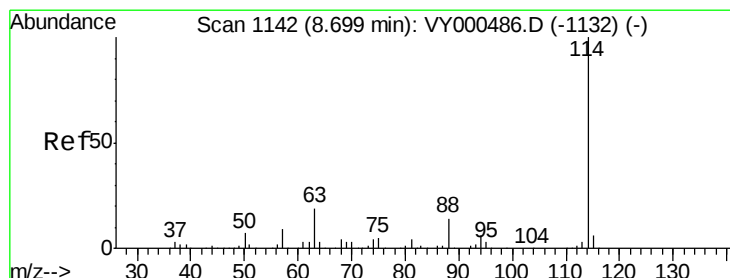
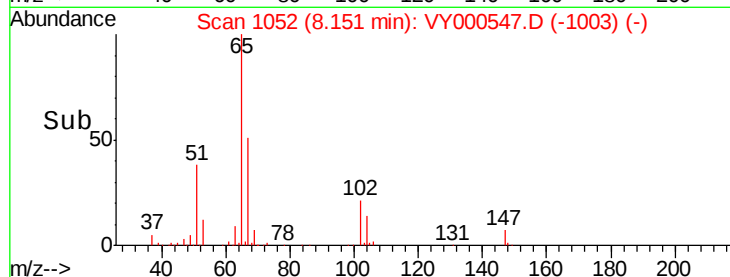
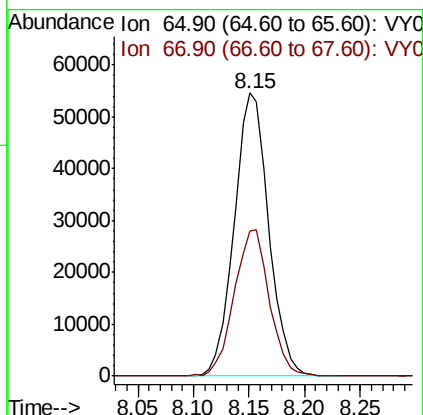
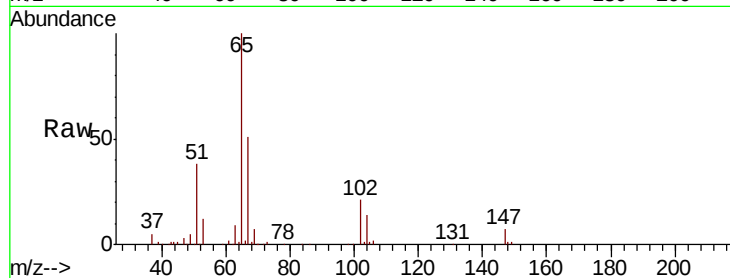




#33
 1,2-Dichloroethane-d4
 Concen: 54.565 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000547.D
 Acq: 06 Nov 2019 13:41

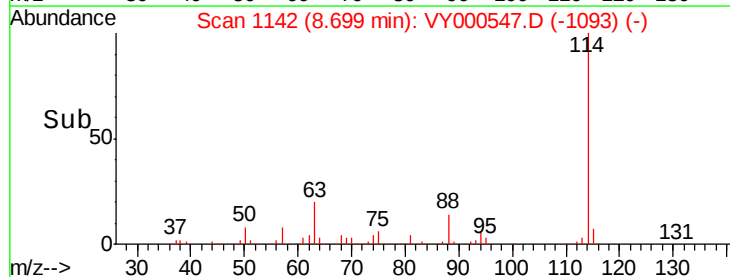
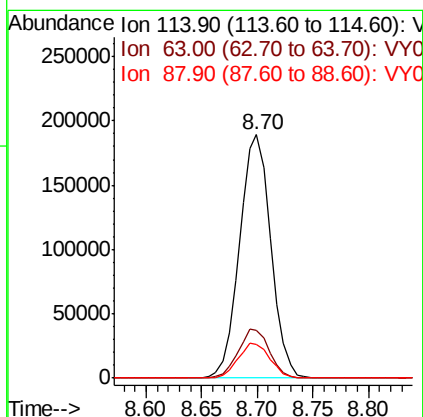
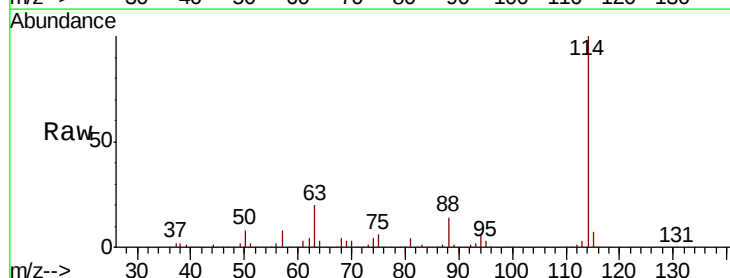
Instrument :
 MSVOA_Y
 ClientSampleId :

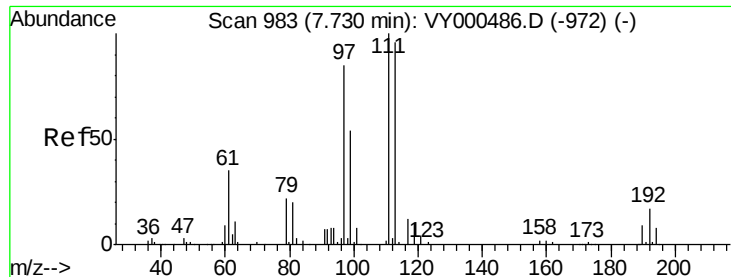
Tot Ion: 65 Resp: 116877
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000547.D
 Acq: 06 Nov 2019 13:41

Tgt Ion: 114 Resp: 368710
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.0
 88 13.9 0.0 28.6

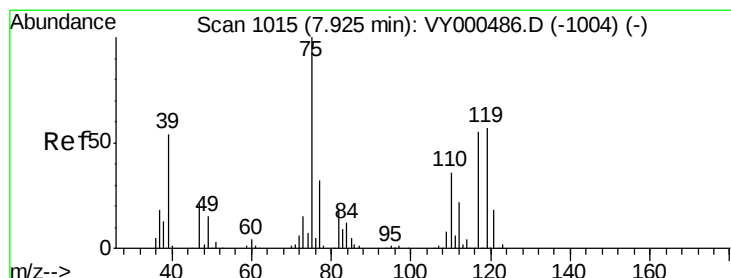
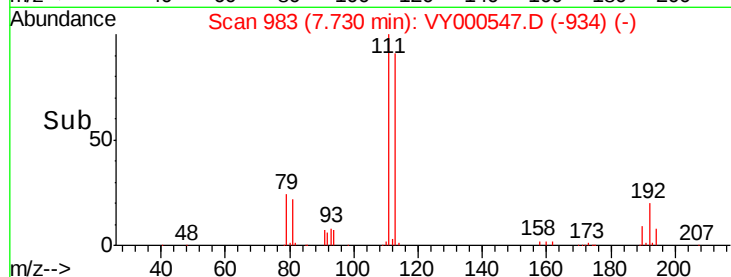
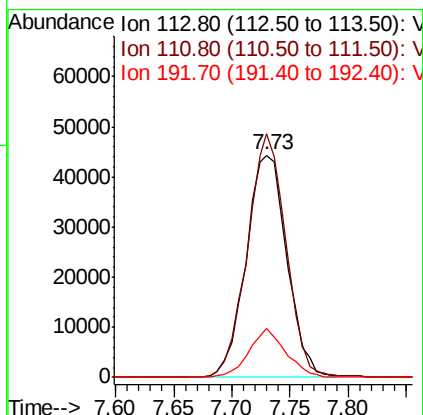
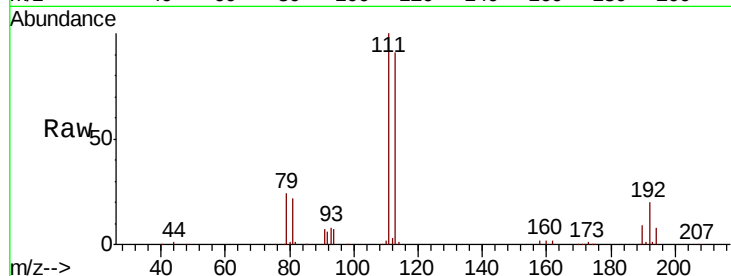




#35
Dibromofluoromethane
Concen: 49.956 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000547.D
Acq: 06 Nov 2019 13:41

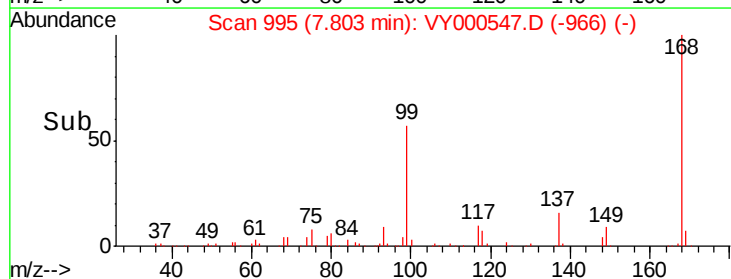
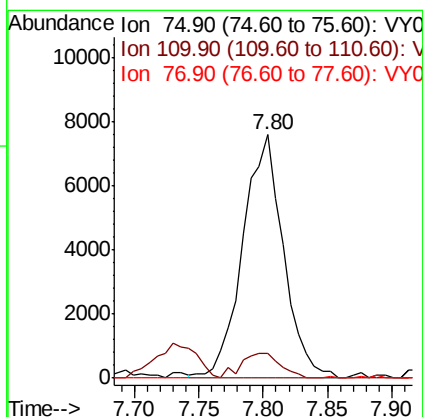
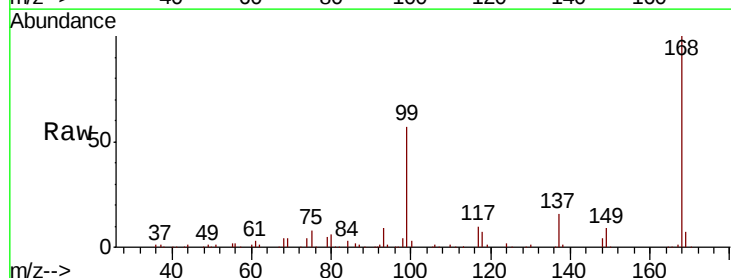
Instrument :
MSVOA_Y
ClientSampleId :

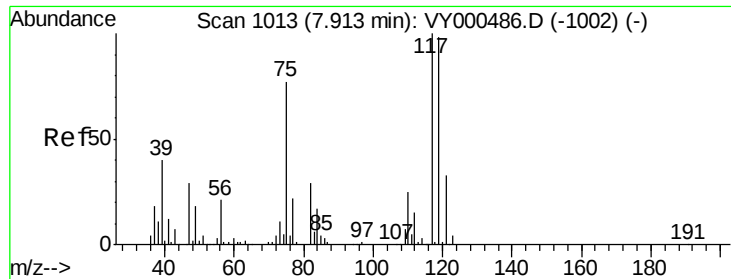
Tot Ion:113 Resp: 108133
Ion Ratio Lower Upper
113 100
111 103.0 81.7 122.5
192 19.6 15.0 22.4



#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY000547.D
Acq: 06 Nov 2019 13:41

Tgt Ion: 75 Resp: 16577
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.1#
77 0.0 25.0 37.6#

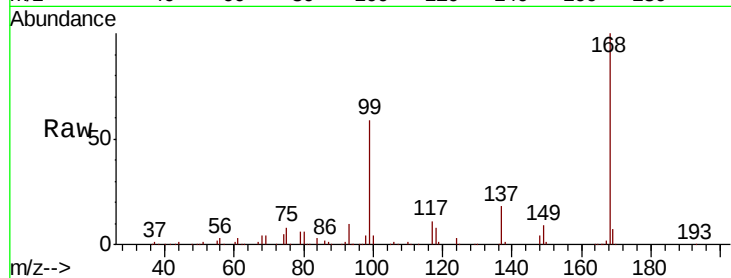




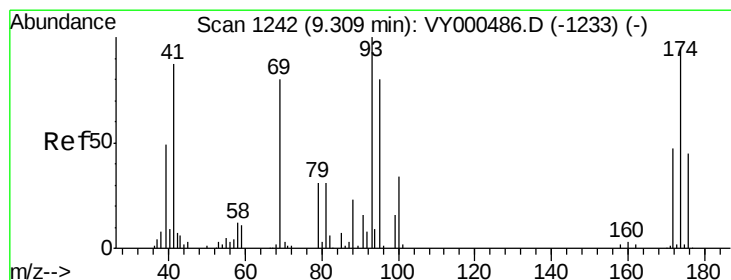
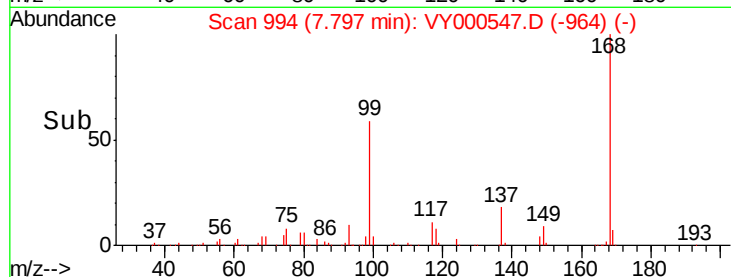
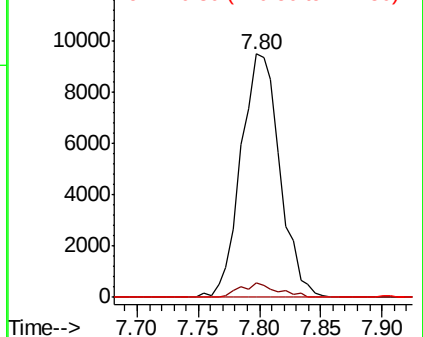
#38
Carbon Tetrachloride
Concen: 6.257 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000547.D
Acq: 06 Nov 2019 13:41

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 20987
Ion Ratio Lower Upper
117 100
119 6.1 78.0 117.0#
121 0.0 26.6 40.0#

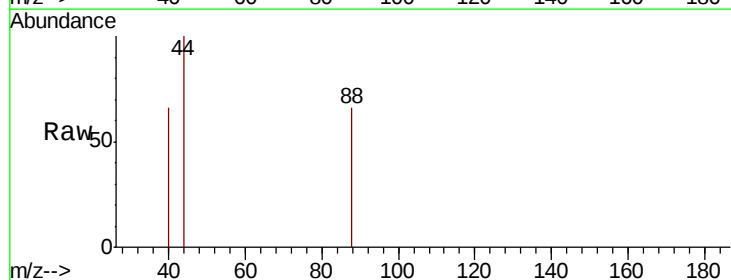


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

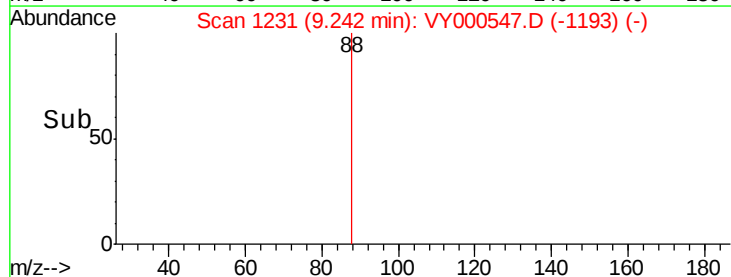
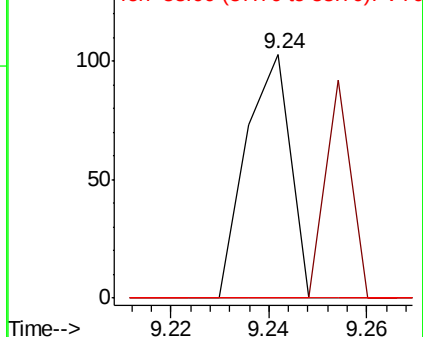


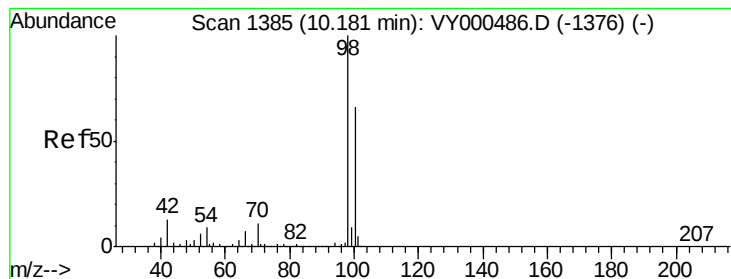
#49
1,4-Dioxane
Concen: 3.438 ug/l
RT: 9.24 min Scan# 1231
Delta R.T. -0.07 min
Lab File: VY000547.D
Acq: 06 Nov 2019 13:41

Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 53.1 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: 52.394 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000547.D

Acq: 06 Nov 2019 13:41

Instrument :

MSVOA_Y

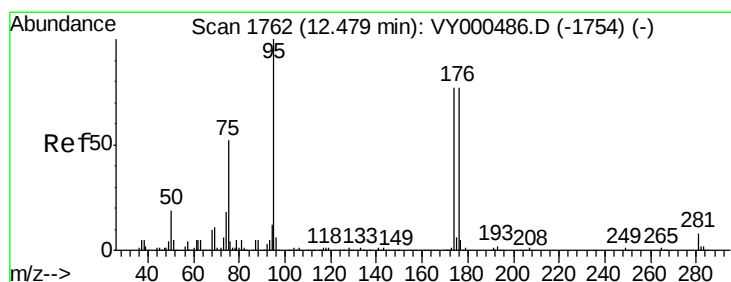
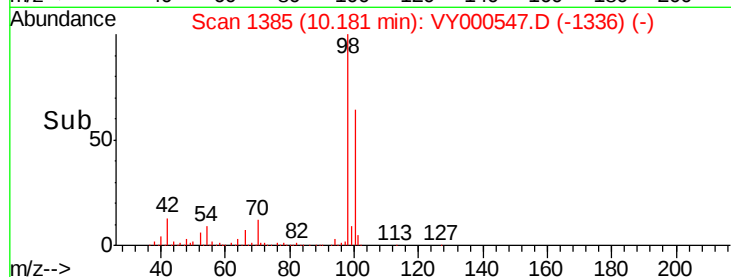
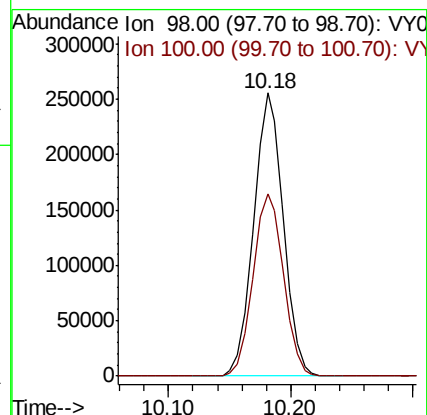
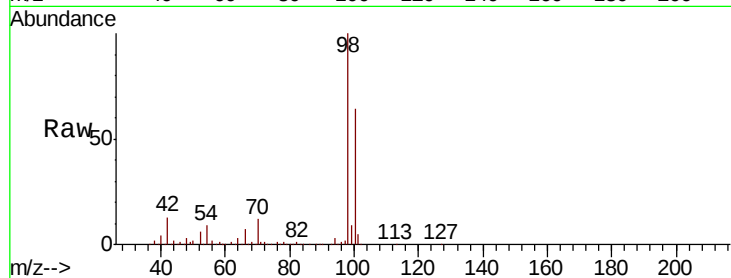
ClientSampled :

Tot Ion: 98 Resp: 430334

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.633 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000547.D

Acq: 06 Nov 2019 13:41

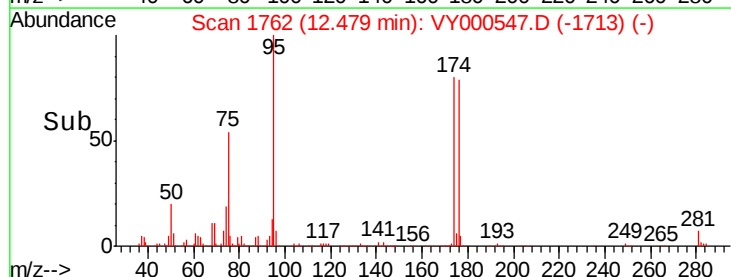
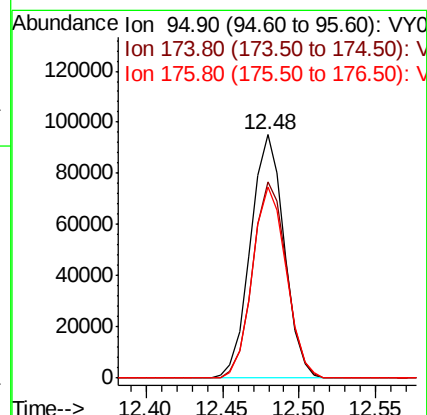
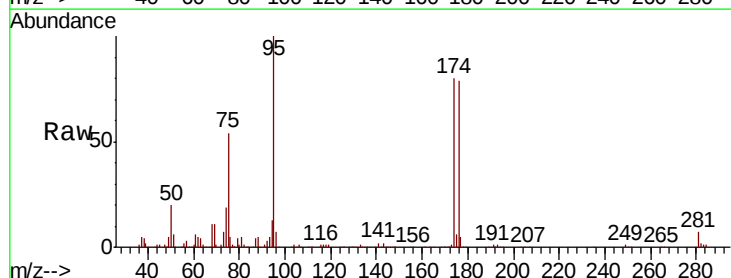
Tgt Ion: 95 Resp: 145810

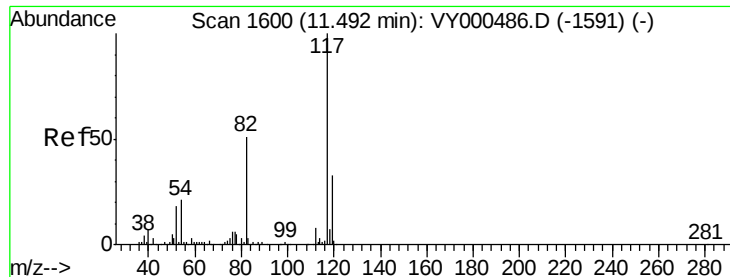
Ion Ratio Lower Upper

95 100

174 81.1 0.0 161.6

176 79.5 0.0 157.8

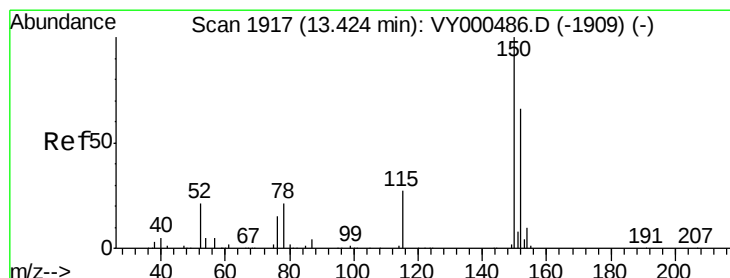
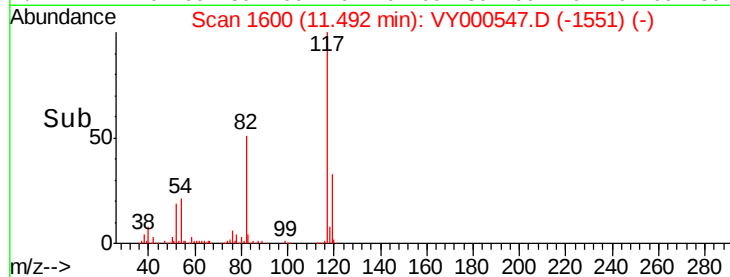
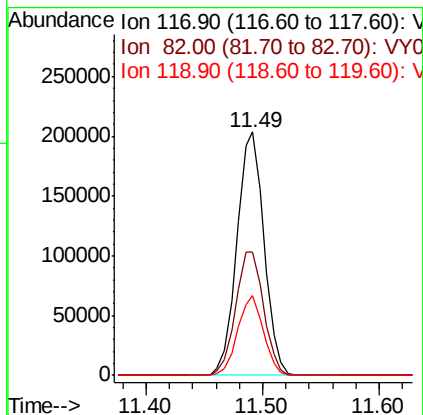
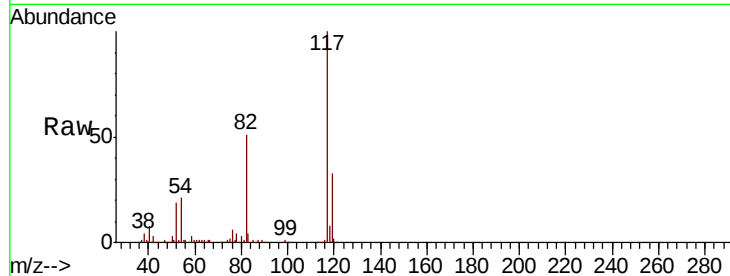




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000547.D
Acq: 06 Nov 2019 13:41

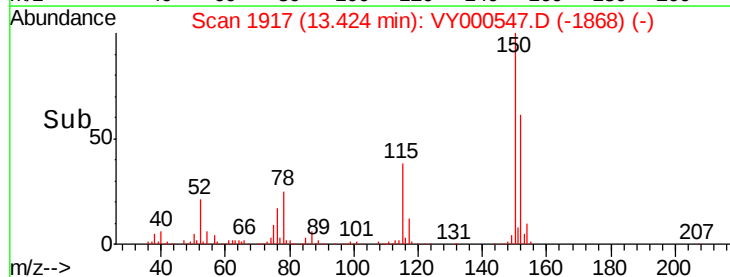
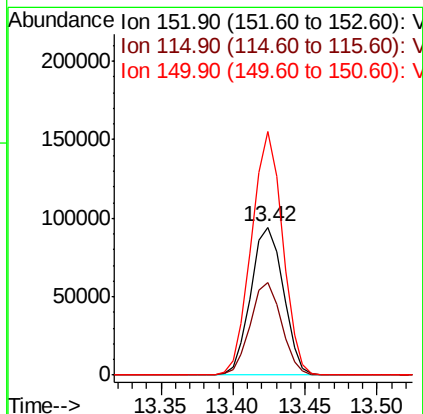
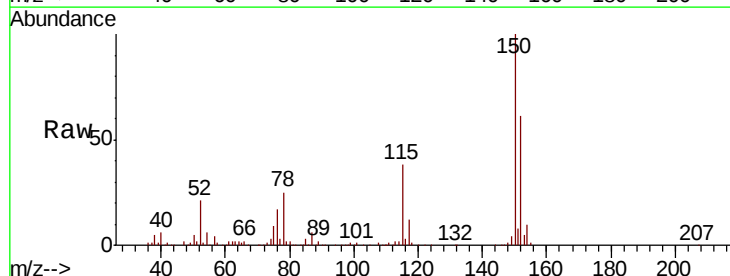
Instrument :
MSVOA_Y
ClientSampled :

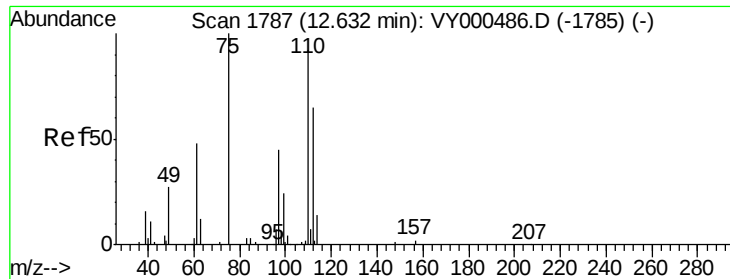
Tot Ion:117 Resp: 330686
Ion Ratio Lower Upper
117 100
82 50.7 40.8 61.2
119 32.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000547.D
Acq: 06 Nov 2019 13:41

Tgt Ion:152 Resp: 147726
Ion Ratio Lower Upper
152 100
115 60.1 29.1 87.4
150 156.9 0.0 348.8

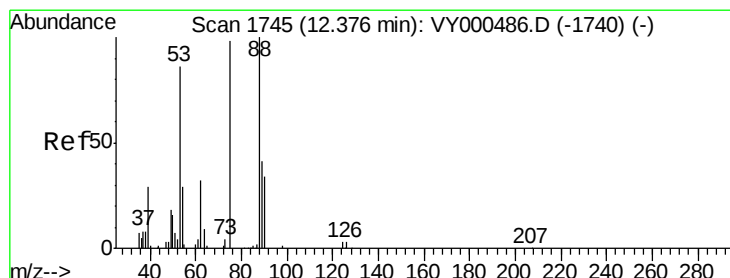
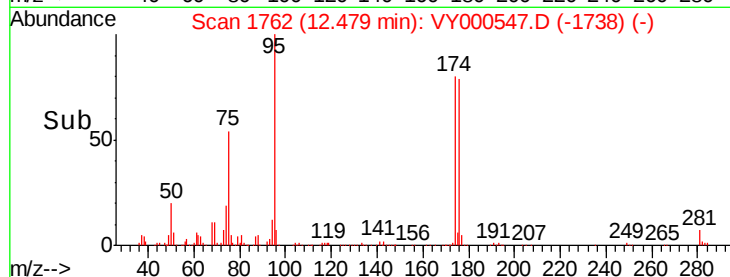
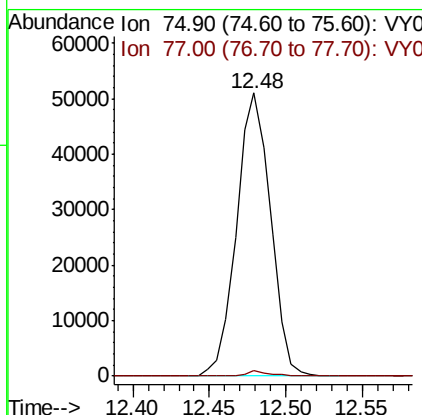
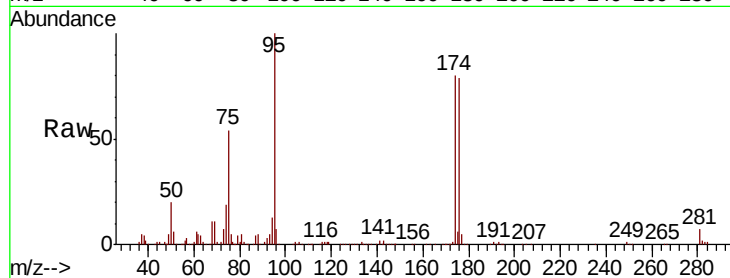




#76
 1,2,3-Trichloropropane
 Concen: 46.662 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY000547.D
 Acq: 06 Nov 2019 13:41

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 78489
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.623 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000547.D
 Acq: 06 Nov 2019 13:41

Tgt Ion: 75 Resp: 78489
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.2 109.8#
 89 0.2 35.9 53.9#

