

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103119\
 Data File : VY000514.D
 Acq On : 31 Oct 2019 19:17
 Operator : SY/MD
 Sample : K5620-10RE
 Misc : 5.54G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

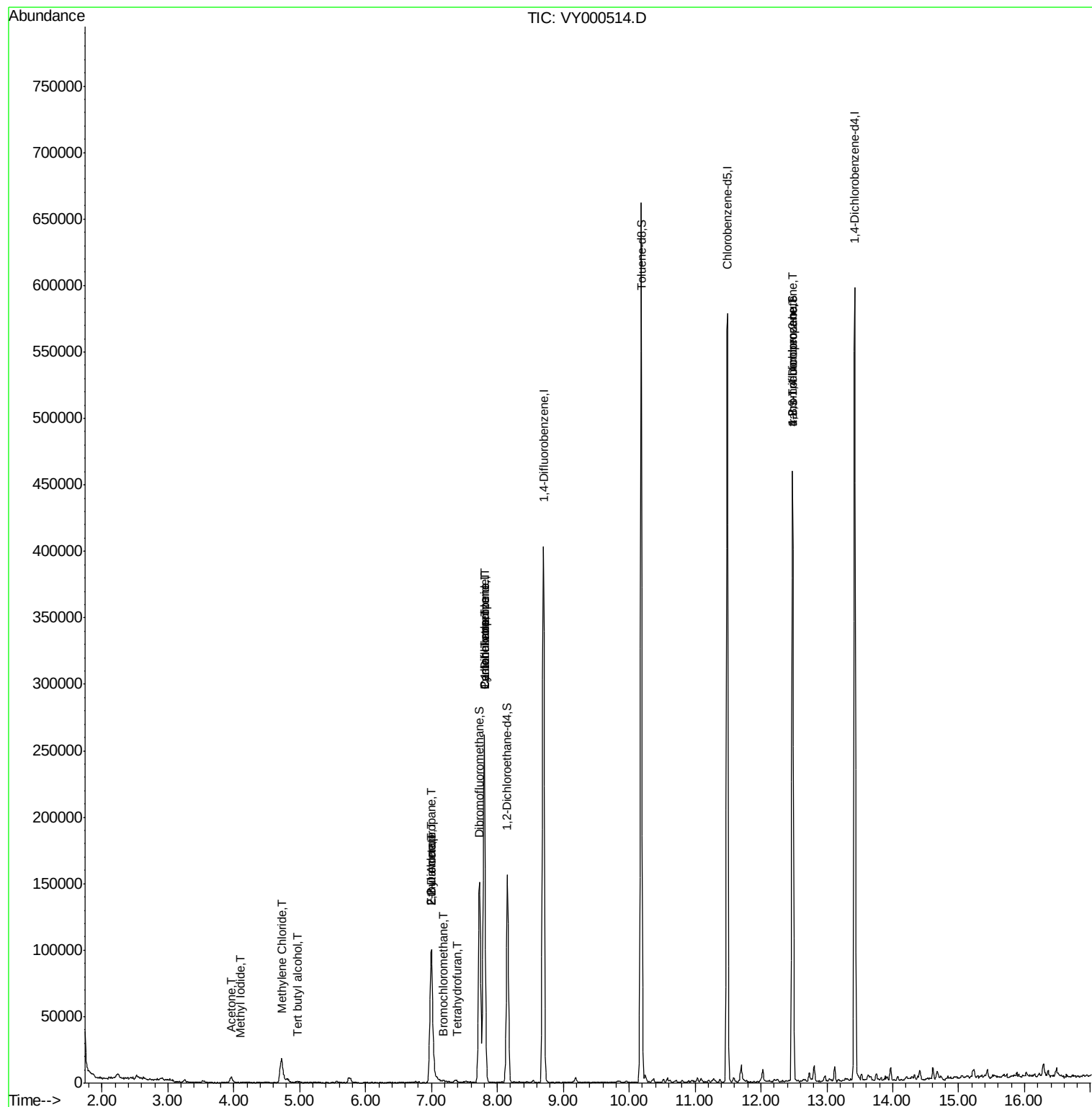
Quant Time: Nov 01 05:53:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

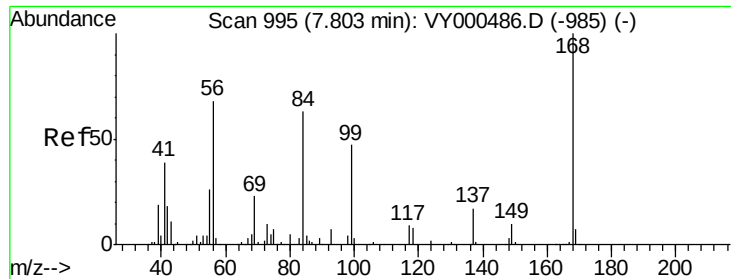
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	199427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	350380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	311644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	140917	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	119150	57.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.46%	
35) Dibromofluoromethane	7.73	113	104860	50.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.96%	
50) Toluene-d8	10.18	98	405815	51.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.48	95	137712	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.10	142	32	3.210	ug/l #	41
11) Tert butyl alcohol	4.96	59	1547	7.700	ug/l	95
16) Acetone	3.96	43	7271	12.783	ug/l	92
20) Methylene Chloride	4.72	84	12880	5.285	ug/l	99
25) 2-Butanone	7.00	43	5308	5.847	ug/l #	73
26) 2,2-Dichloropropane	7.00	77	7528	2.160	ug/l #	52
28) Bromochloromethane	7.18	49	68	4.128	ug/l #	14
29) Tetrahydrofuran	7.38	42	1182	2.128	ug/l #	82
31) Cyclohexane	7.80	56	5852	1.465	ug/l #	33
36) 1,1-Dichloropropene	7.80	75	15730	4.749	ug/l #	51
37) Ethyl Acetate	7.00	43	5308	2.699	ug/l #	32
38) Carbon Tetrachloride	7.80	117	19629	6.159	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	72606	45.251	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	72606	101.458	ug/l #	13

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

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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: VY000514.D

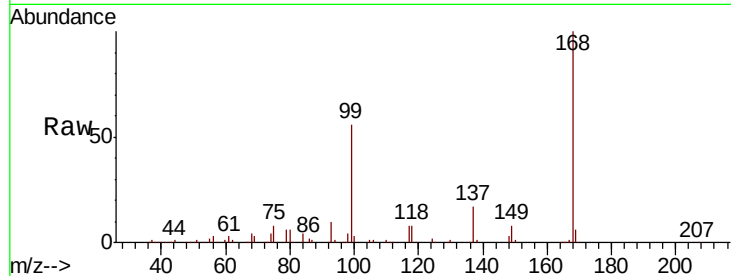
Acq: 31 Oct 2019 19:17

Tot Ion:168 Resp: 199427

Ion Ratio Lower Upper

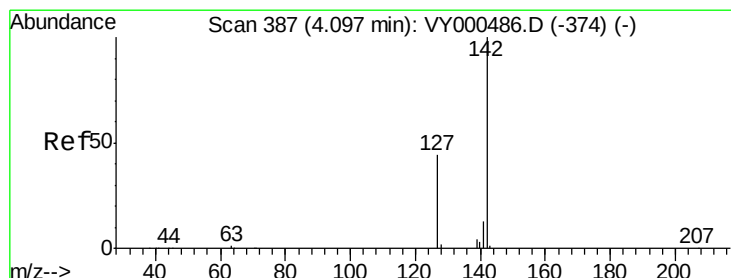
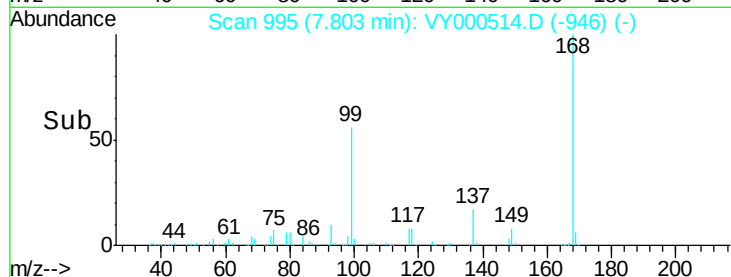
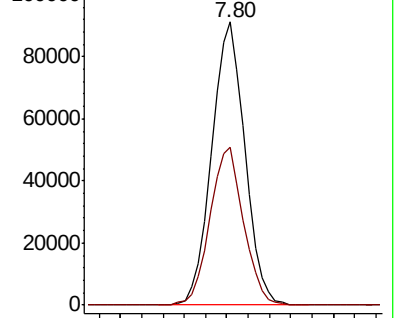
168 100

99 55.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VY0



#10

Methyl Iodide

Concen: 3.210 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000514.D

Acq: 31 Oct 2019 19:17

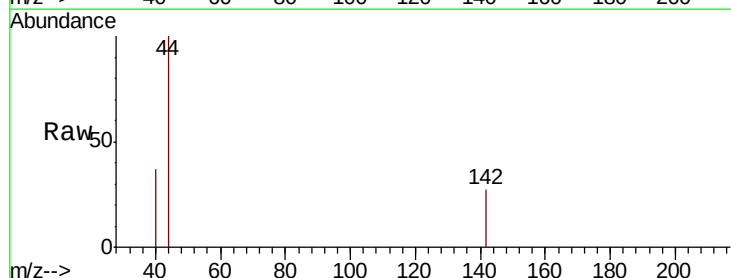
Tgt Ion:142 Resp: 32

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

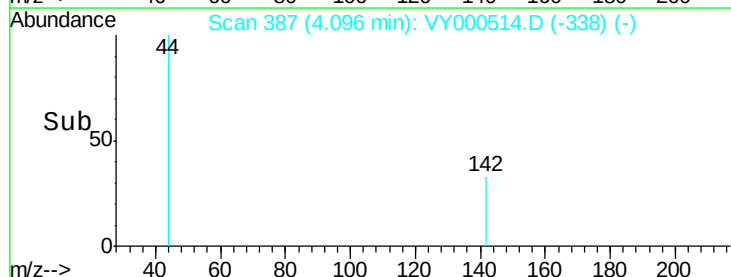
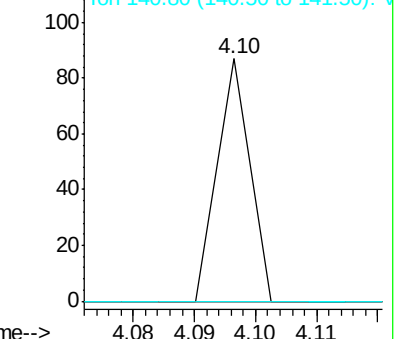
141 0.0 10.9 16.3#

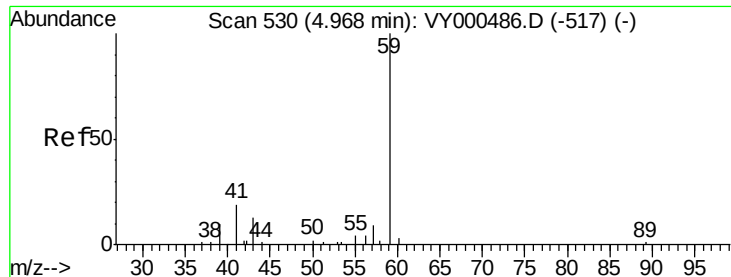


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

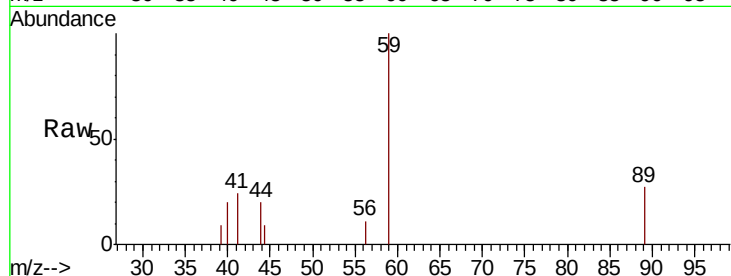
Ion 140.80 (140.50 to 141.50): V



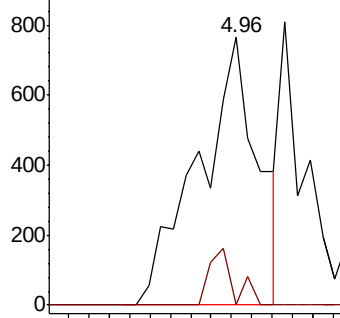


#11
Tert butyl alcohol
Concen: 7.700 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000514.D
Acq: 31 Oct 2019 19:17

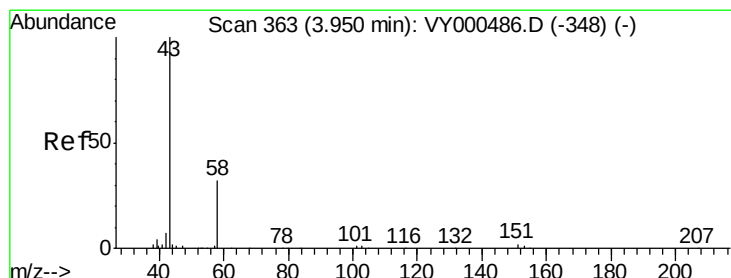
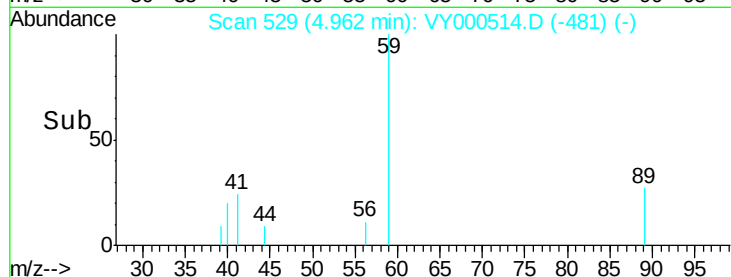
Tot Ion: 59 Resp: 1547
Ion Ratio Lower Upper
59 100
57 8.7 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VY0
Ion 57.00 (56.70 to 57.70): VY0

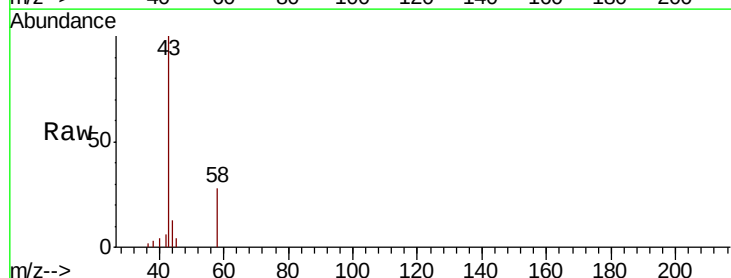


Time-->

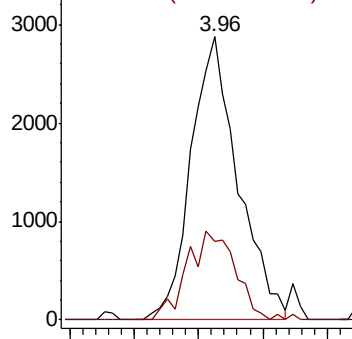


#16
Acetone
Concen: 12.783 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY000514.D
Acq: 31 Oct 2019 19:17

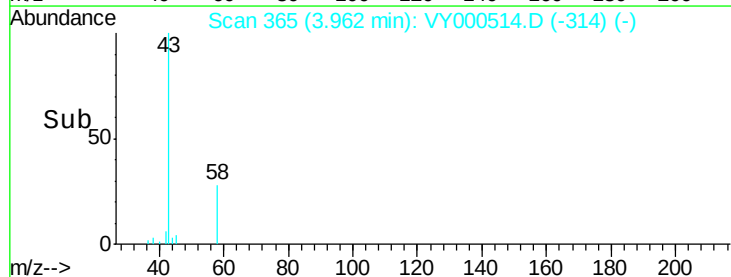
Tgt Ion: 43 Resp: 7271
Ion Ratio Lower Upper
43 100
58 27.6 25.8 38.6

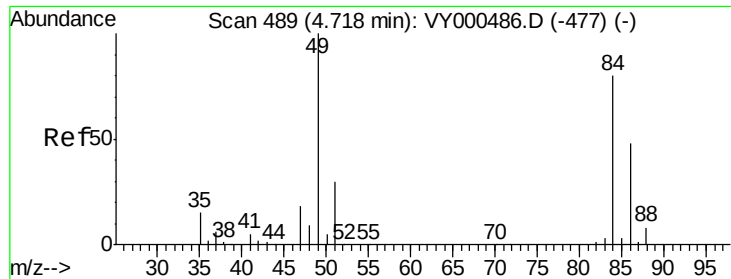


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



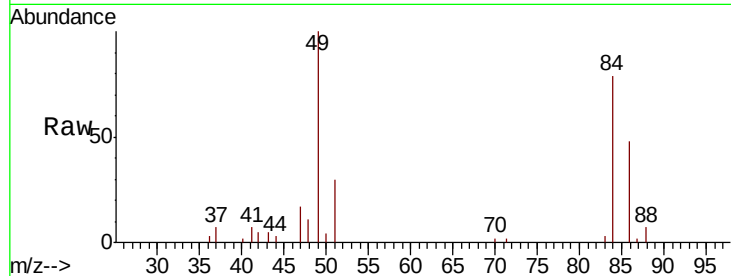
Time-->



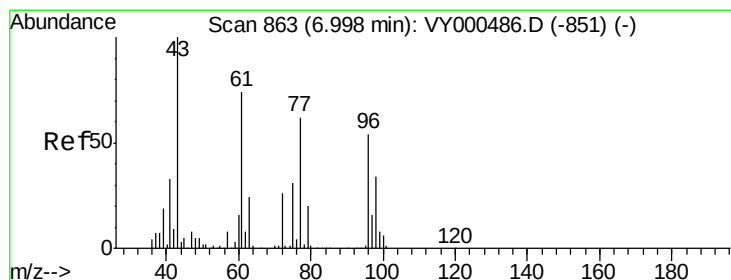
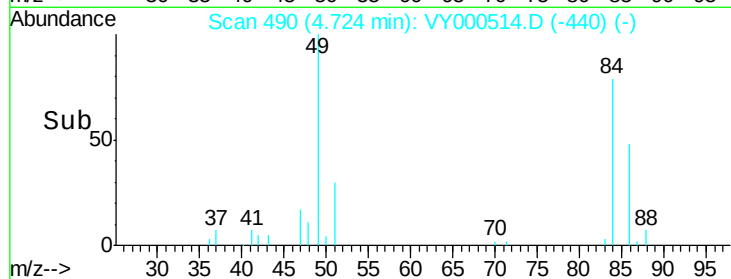
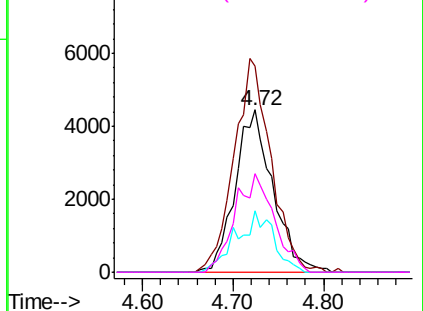


#20
Methvlene Chloride
Concen: 5.285 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000514.D
Acq: 31 Oct 2019 19:17

Tot Ion: 84 Resp: 12880
Ion Ratio Lower Upper
84 100
49 126.8 100.2 150.4
51 38.2 29.6 44.4
86 60.7 48.3 72.5

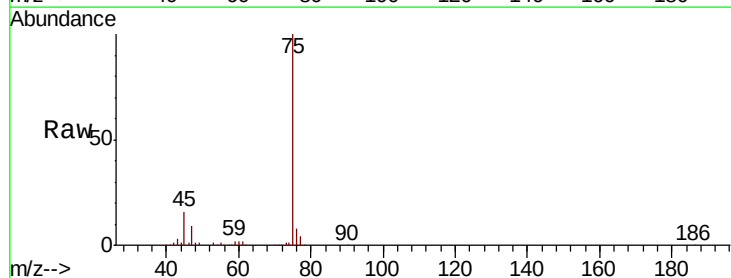


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

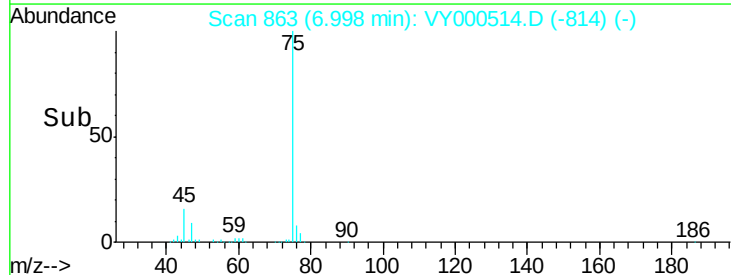
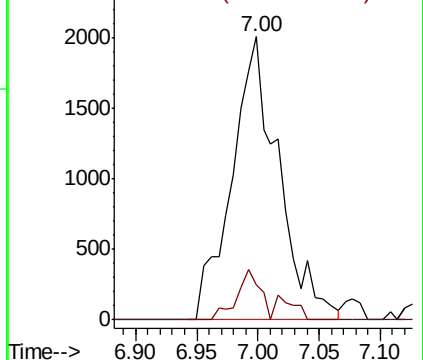


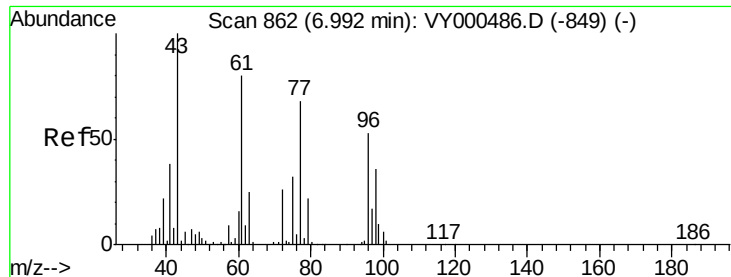
#25
2-Butanone
Concen: 5.847 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000514.D
Acq: 31 Oct 2019 19:17

Tgt Ion: 43 Resp: 5308
Ion Ratio Lower Upper
43 100
72 12.5 20.9 31.3#



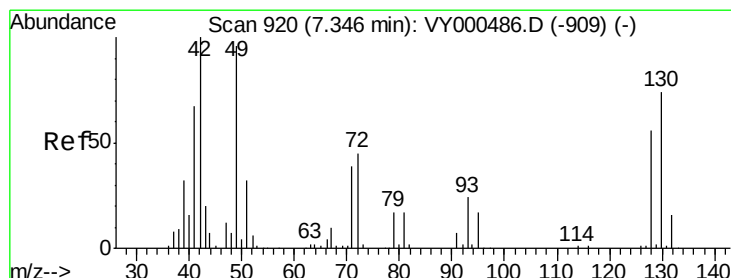
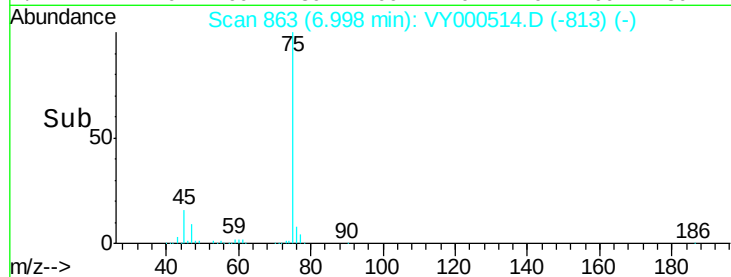
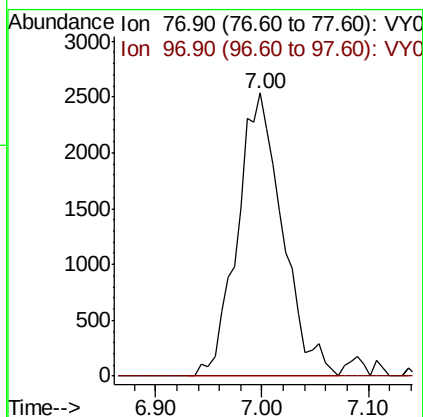
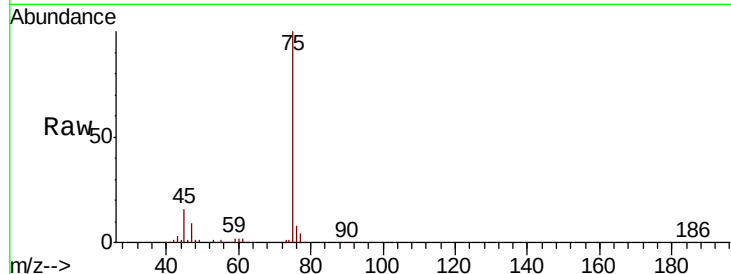
Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0





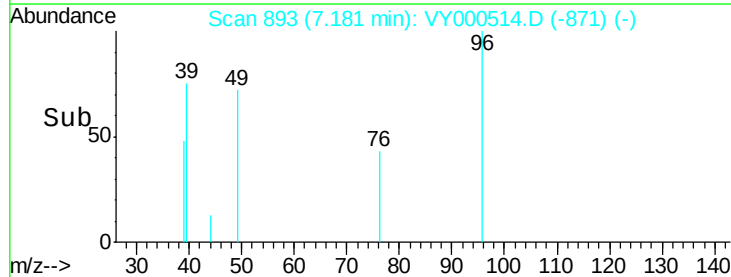
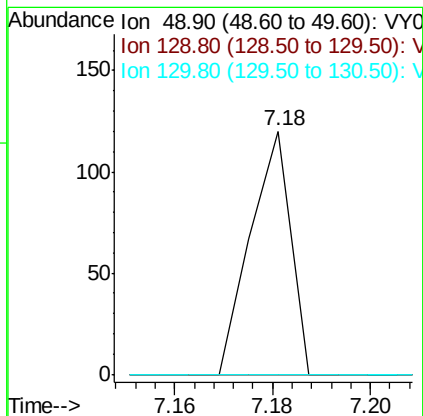
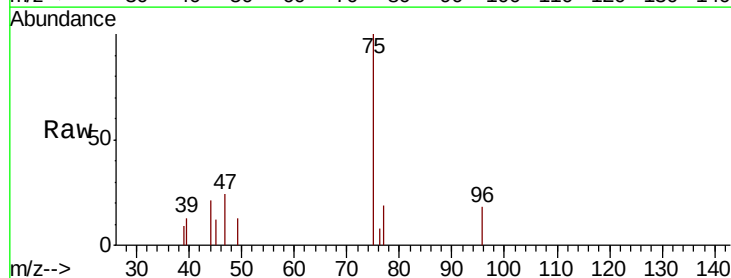
#26
 2,2-Dichloropropane
 Concen: 2.160 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY000514.D
 Acq: 31 Oct 2019 19:17

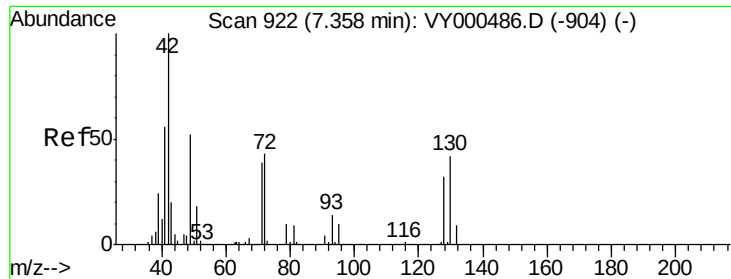
Tot Ion: 77 Resp: 7528
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.8 35.4#



#28
 Bromochloromethane
 Concen: 4.128 ug/l
 RT: 7.18 min Scan# 893
 Delta R.T. -0.16 min
 Lab File: VY000514.D
 Acq: 31 Oct 2019 19:17

Tgt Ion: 49 Resp: 68
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 59.4 89.0#





#29

Tetrahydrofuran

Concen: 2.128 ug/l

RT: 7.38 min Scan# 926

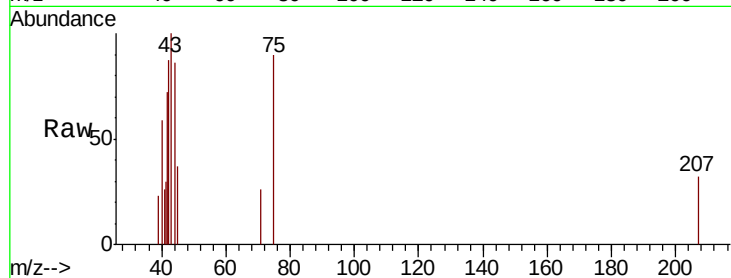
Delta R.T. 0.02 min

Lab File: VY000514.D

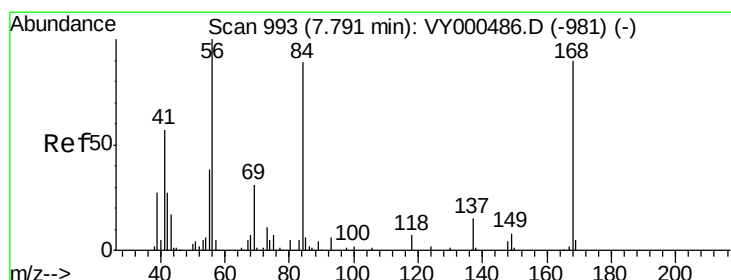
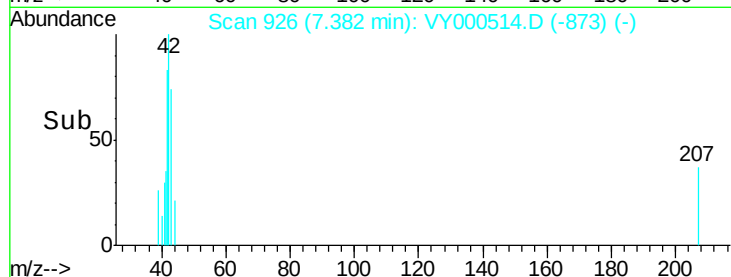
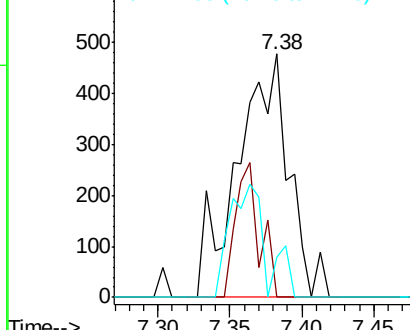
Acq: 31 Oct 2019 19:17

Tot Ion: 42 Resp: 1182

Ion	Ratio	Lower	Upper
42	100		
72	25.9	34.0	51.0#
71	33.5	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: 1.465 ug/l

RT: 7.80 min Scan# 995

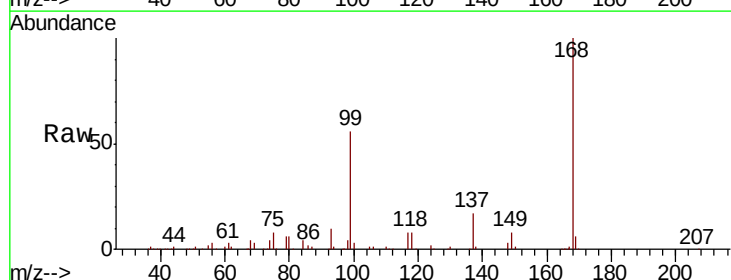
Delta R.T. 0.01 min

Lab File: VY000514.D

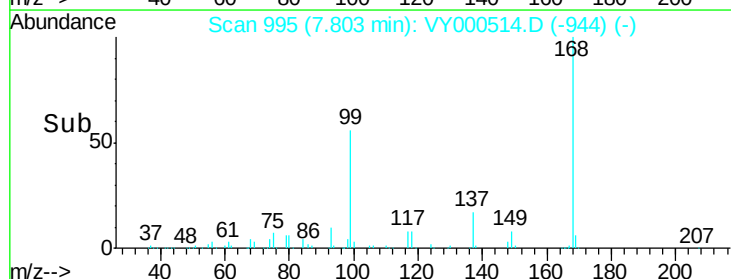
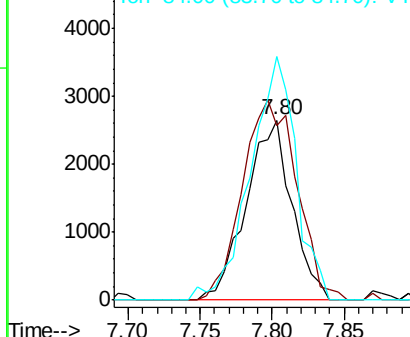
Acq: 31 Oct 2019 19:17

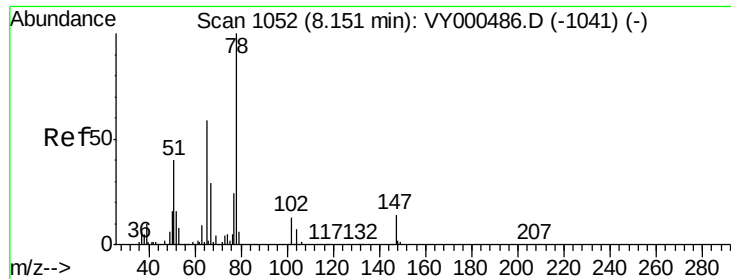
Tgt Ion: 56 Resp: 5852

Ion	Ratio	Lower	Upper
56	100		
69	97.0	25.0	37.6#
84	135.5	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: 57.733 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000514.D

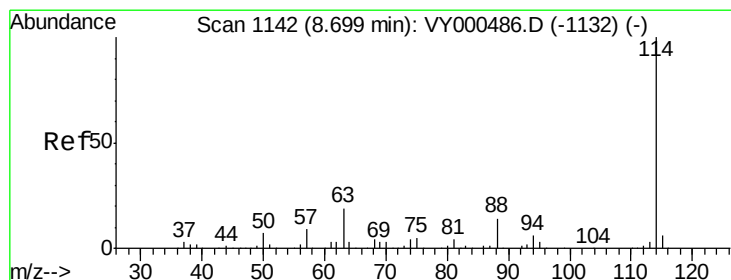
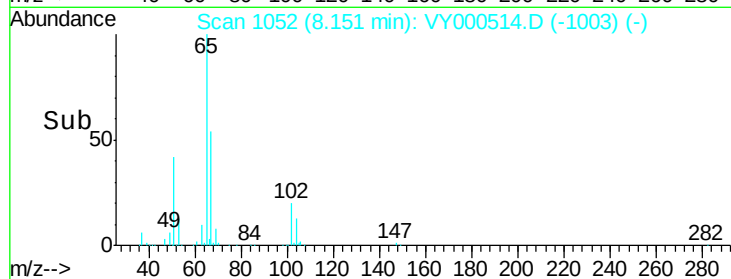
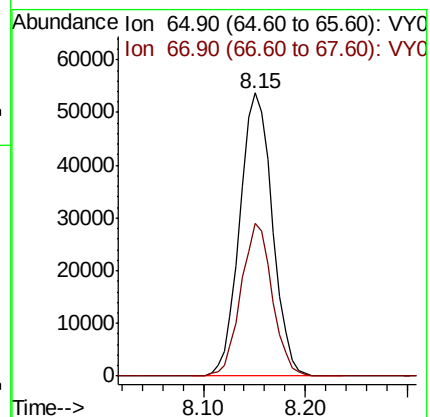
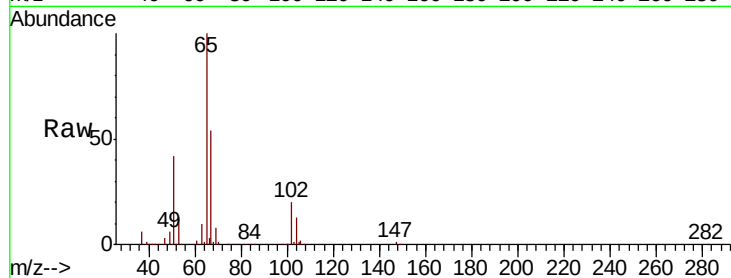
Acq: 31 Oct 2019 19:17

Tot Ion: 65 Resp: 119150

Ion Ratio Lower Upper

65 100

67 51.7 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: VY000514.D

Acq: 31 Oct 2019 19:17

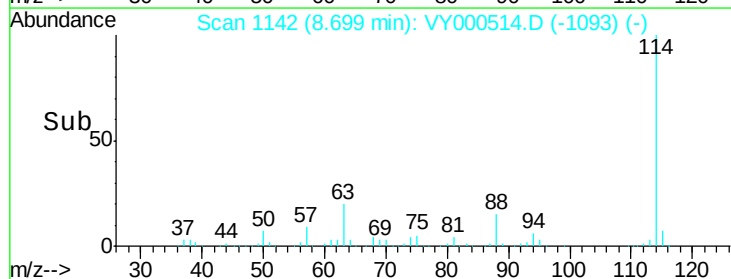
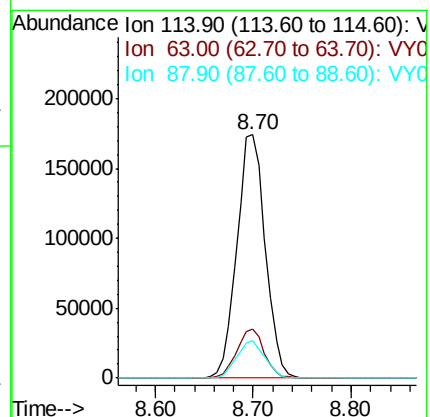
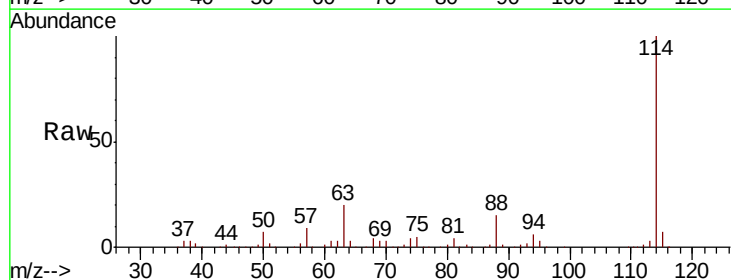
Tgt Ion: 114 Resp: 350380

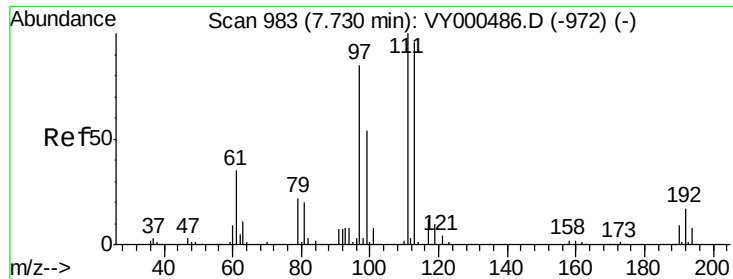
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.0

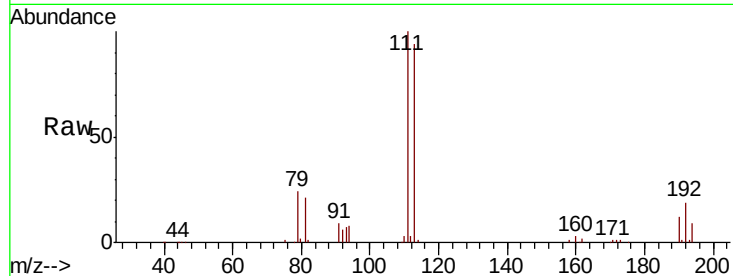
88 15.4 0.0 28.6



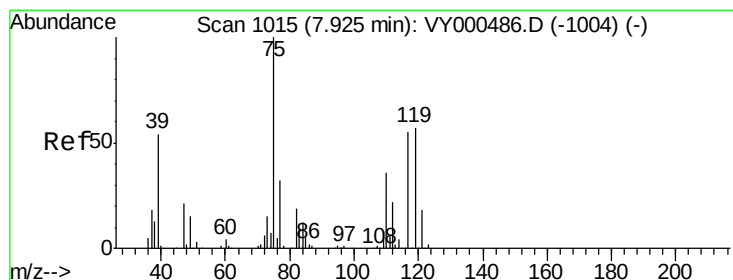
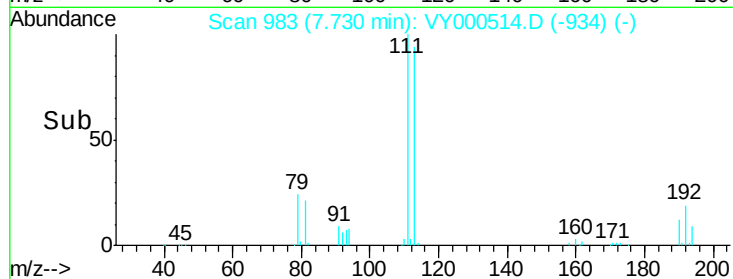
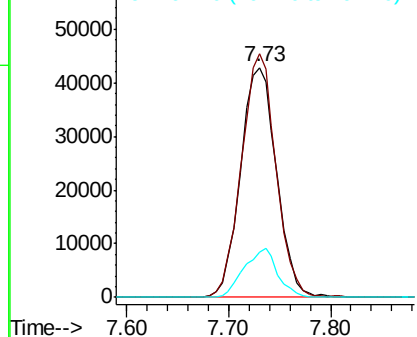


#35
 Dibromofluoromethane
 Concen: 50.978 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000514.D
 Acq: 31 Oct 2019 19:17

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.7	122.5
192	19.9	15.0	22.4

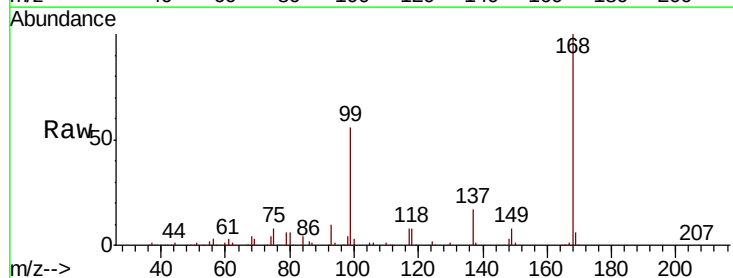


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

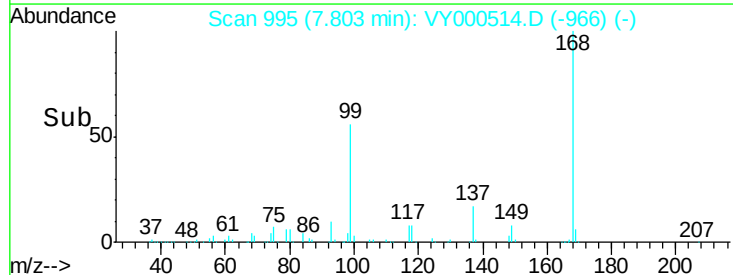
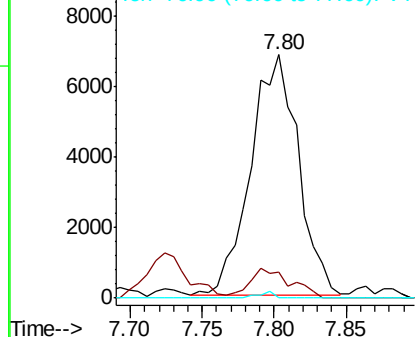


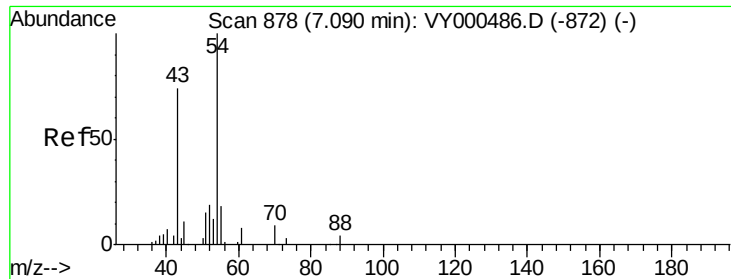
#36
 1,1-Dichloropropene
 Concen: 4.749 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.12 min
 Lab File: VY000514.D
 Acq: 31 Oct 2019 19:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	0.8	25.0	37.6#



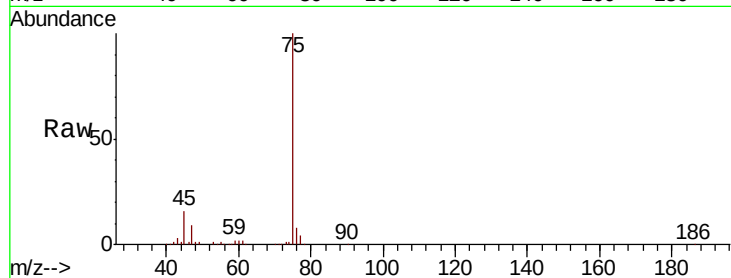
Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0



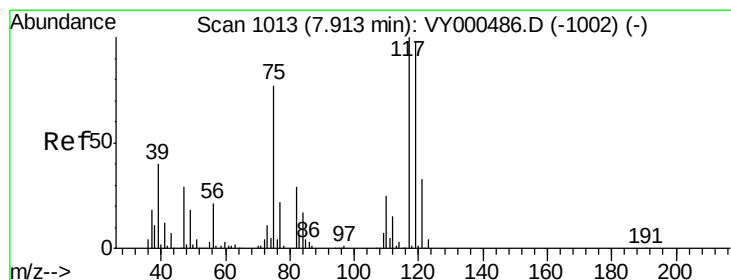
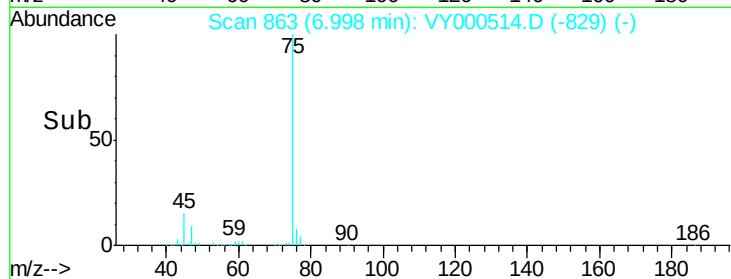
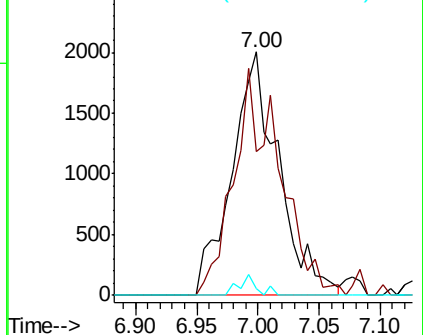


#37
Ethyl Acetate
Concen: 2.699 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.09 min
Lab File: VY000514.D
Acq: 31 Oct 2019 19:17

Tot Ion: 43 Resp: 5308
Ion Ratio Lower Upper
43 100
61 54.4 10.2 15.2#
70 2.7 7.8 11.8#

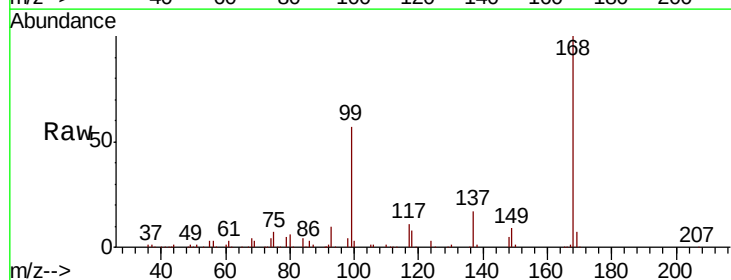


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

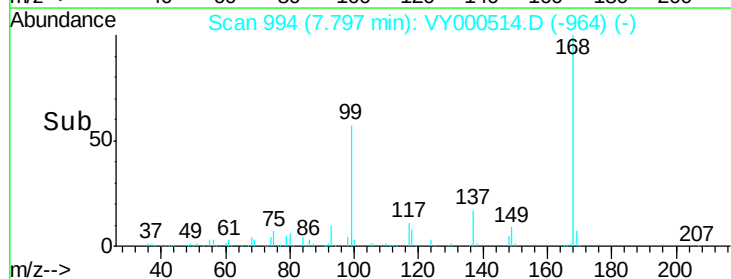
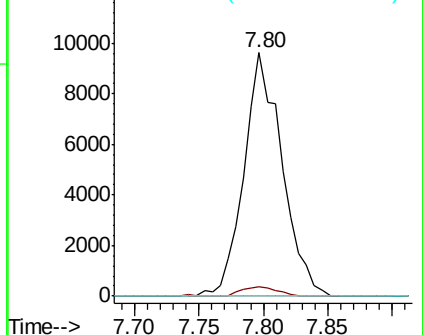


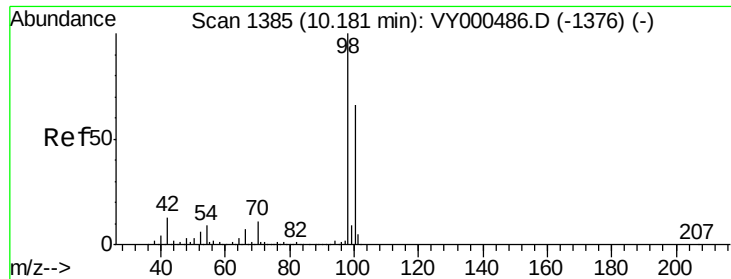
#38
Carbon Tetrachloride
Concen: 6.159 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000514.D
Acq: 31 Oct 2019 19:17

Tgt Ion: 117 Resp: 19629
Ion Ratio Lower Upper
117 100
119 4.1 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





#50

Toluene-d8

Concen: 51.994 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000514.D

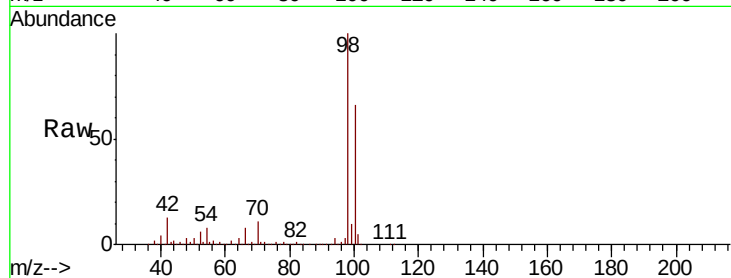
Acq: 31 Oct 2019 19:17

Tot Ion: 98 Resp: 405815

Ion Ratio Lower Upper

98 100

100 67.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

250000

200000

150000

100000

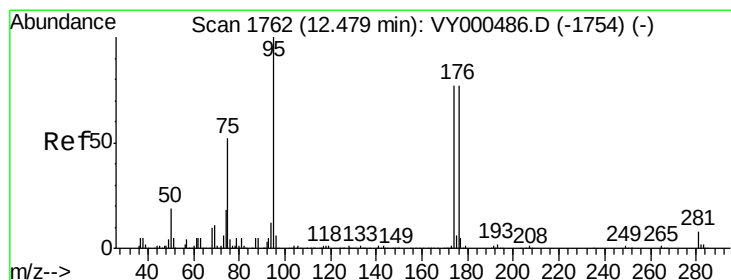
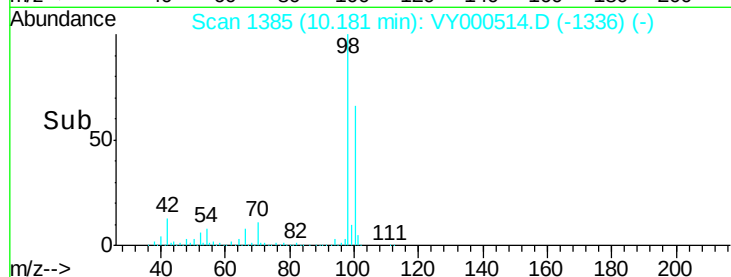
50000

0

10.10

10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 46.347 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000514.D

Acq: 31 Oct 2019 19:17

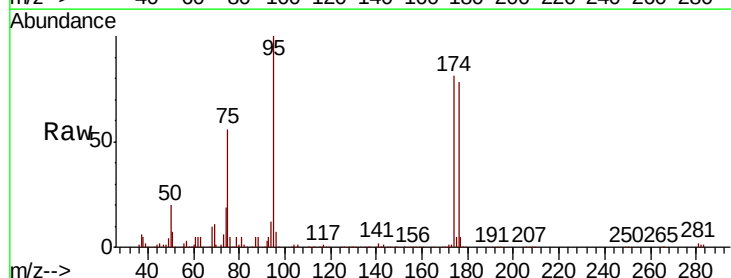
Tgt Ion: 95 Resp: 137712

Ion Ratio Lower Upper

95 100

174 82.2 0.0 161.6

176 79.7 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

20000

0

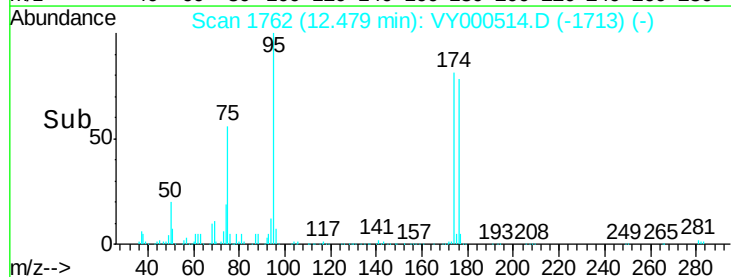
12.40

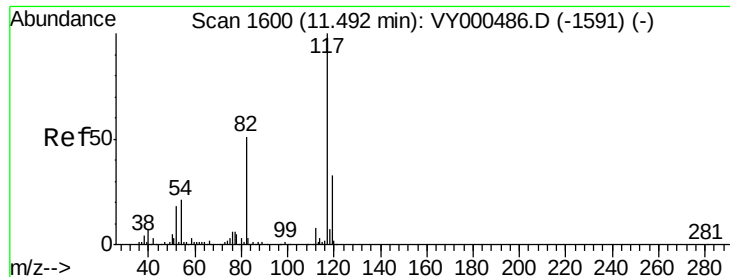
12.45

12.50

12.55

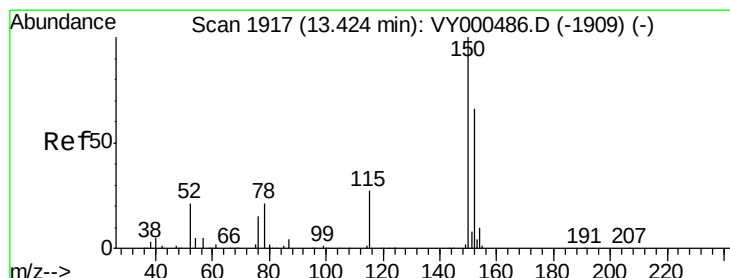
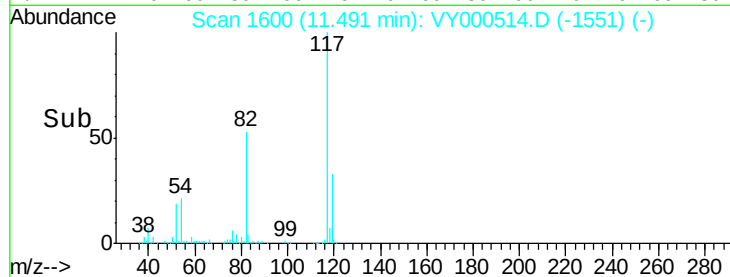
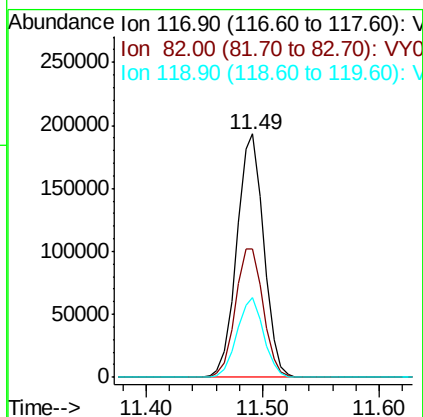
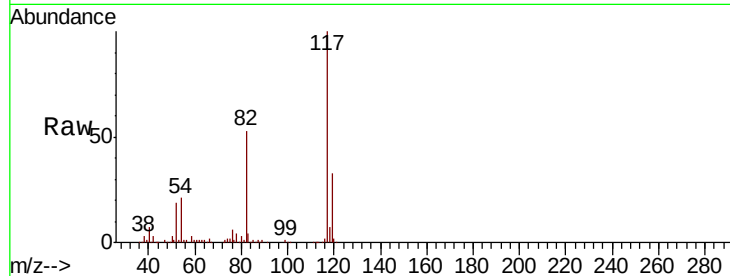
Time-->





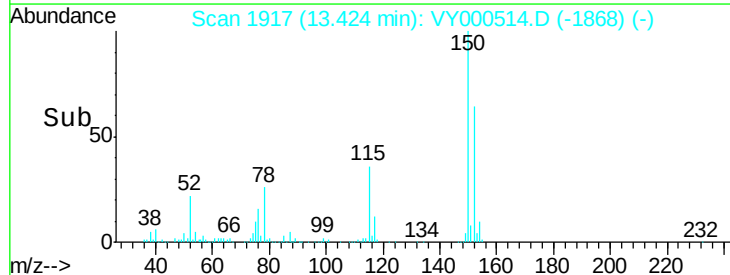
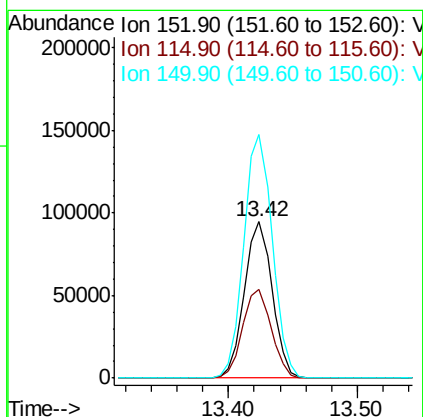
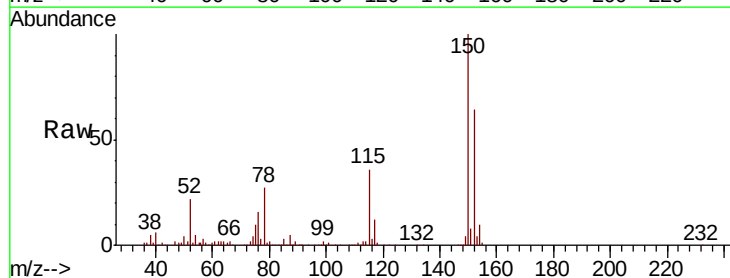
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000514.D
Acq: 31 Oct 2019 19:17

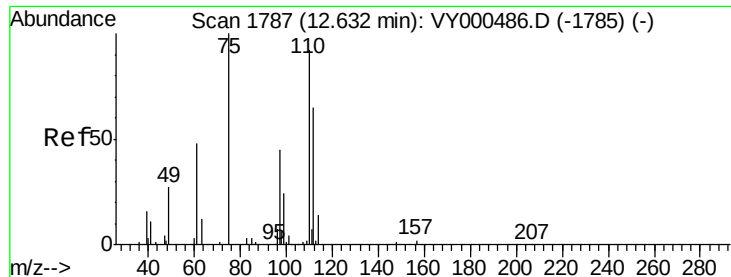
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	40.8	61.2
119	32.6	26.2	39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000514.D
Acq: 31 Oct 2019 19:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.1	87.4
150	159.6	0.0	348.8





#76

1,2,3-Trichloropropane

Concen: 45.251 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000514.D

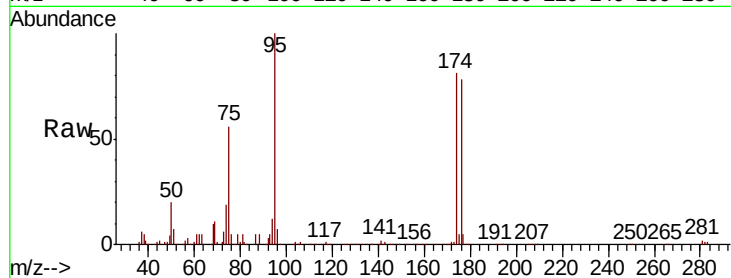
Acq: 31 Oct 2019 19:17

Tot Ion: 75 Resp: 72606

Ion Ratio Lower Upper

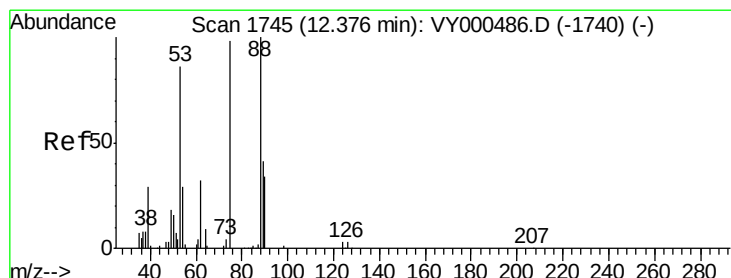
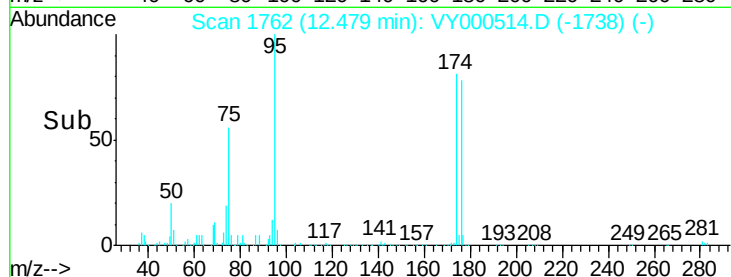
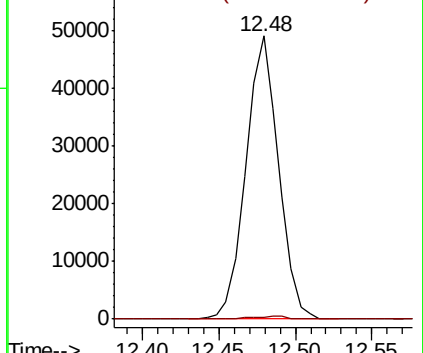
75 100

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: 101.458 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000514.D

Acq: 31 Oct 2019 19:17

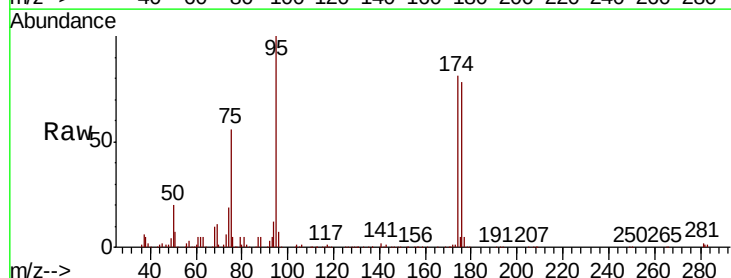
Tgt Ion: 75 Resp: 72606

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.0 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

