

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103119\
 Data File : VY000498.D
 Acq On : 31 Oct 2019 12:09
 Operator : SY/MD
 Sample : VY1031SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

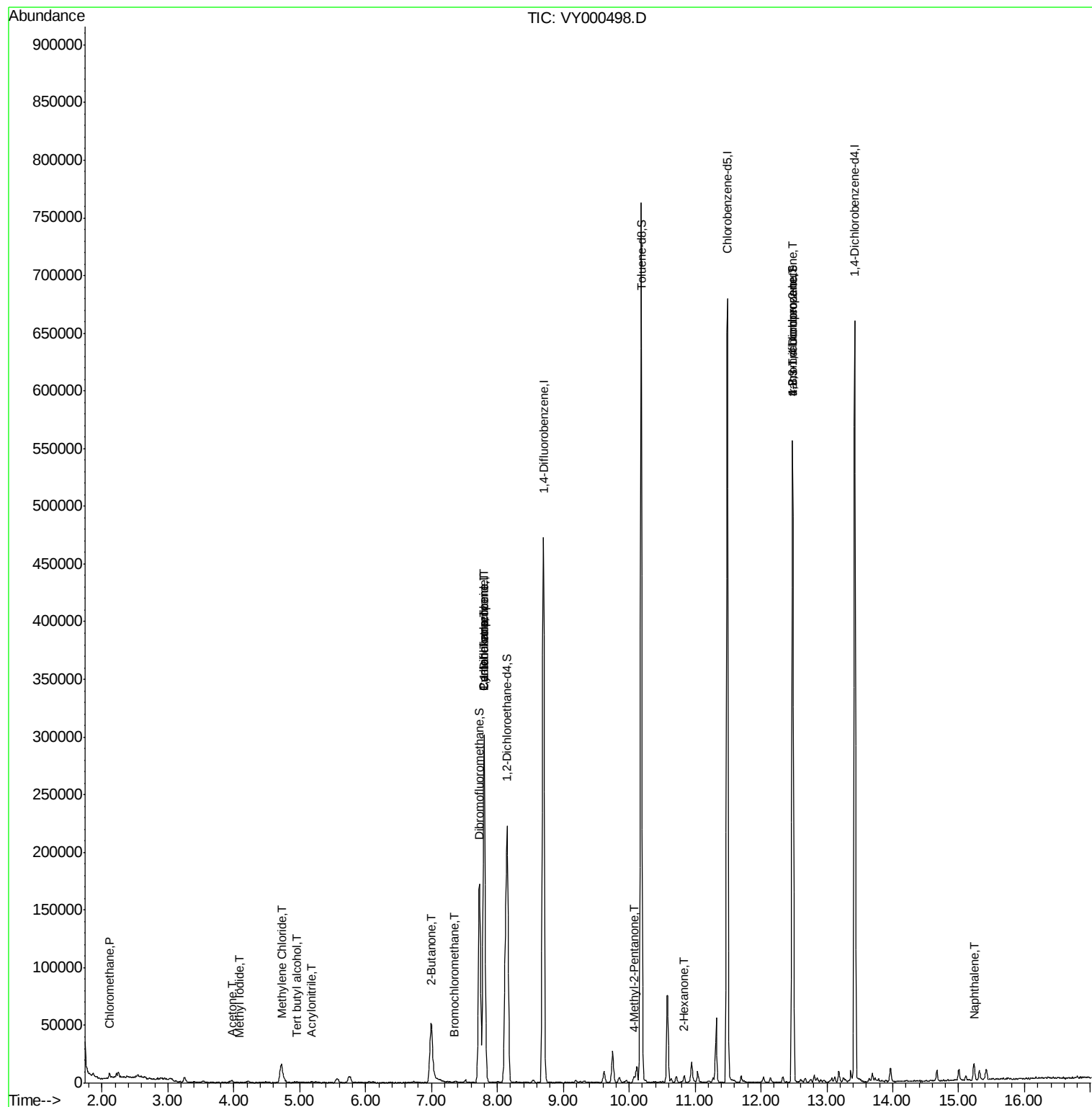
Quant Time: Nov 01 05:49:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

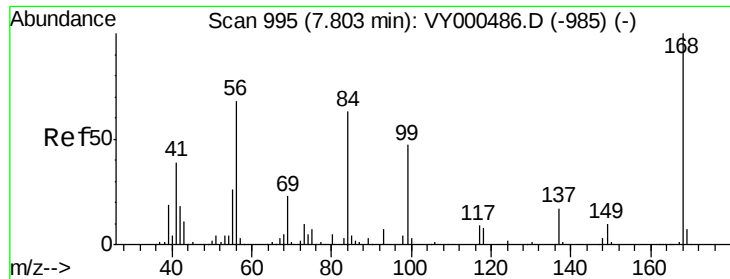
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	232886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	410339	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	358057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	154832	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	140587	58.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.66%	
35) Dibromofluoromethane	7.72	113	121037	50.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.48%	
50) Toluene-d8	10.18	98	475125	51.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.48	95	156432	44.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.90%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.11	50	3204	1.015	ug/l	97
10) Methyl Iodide	4.09	142	192	3.256	ug/l #	41
11) Tert butyl alcohol	4.96	59	997	4.250	ug/l	99
15) Acrylonitrile	5.18	53	841	1.167	ug/l #	84
16) Acetone	3.97	43	3253	4.897	ug/l #	72
20) Methylene Chloride	4.72	84	10701	3.760	ug/l	95
25) 2-Butanone	7.01	43	4179	3.942	ug/l #	89
28) Bromochloromethane	7.35	49	29	4.106	ug/l #	18
31) Cyclohexane	7.80	56	5874	1.259	ug/l #	34
36) 1,1-Dichloropropene	7.80	75	18313	4.721	ug/l #	50
38) Carbon Tetrachloride	7.80	117	22464	6.018	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	3872	1.683	ug/l	97
59) 2-Hexanone	10.83	43	4283	2.556	ug/l	89
76) 1,2,3-Trichloropropane	12.48	75	83801	47.534	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	83801	106.577	ug/l #	13
95) Naphthalene	15.23	128	10937	1.569	ug/l	98

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

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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# 994

Delta R.T. -0.01 min

Lab File: VY000498.D

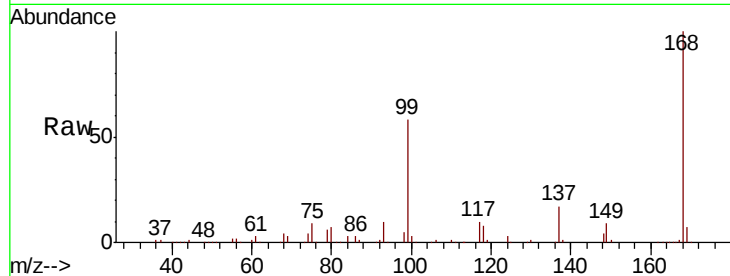
Acq: 31 Oct 2019 12:09

Tot Ion:168 Resp: 232886

Ion Ratio Lower Upper

168 100

99 57.6 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

100000

80000

60000

40000

20000

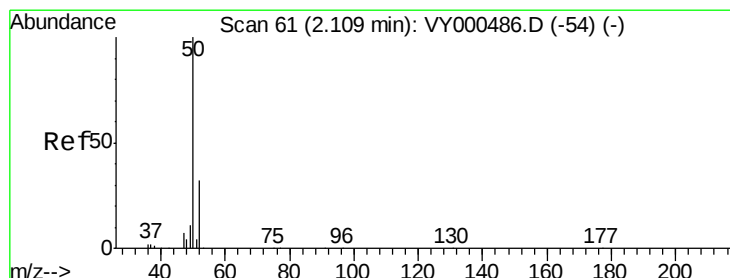
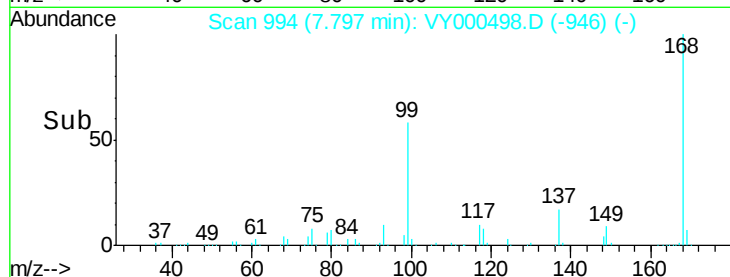
0

Time-->

7.70

7.80

7.90



#3

Chloromethane

Concen: 1.015 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.00 min

Lab File: VY000498.D

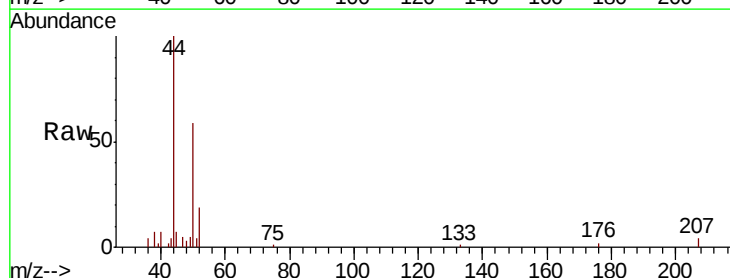
Acq: 31 Oct 2019 12:09

Tgt Ion: 50 Resp: 3204

Ion Ratio Lower Upper

50 100

52 33.1 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) (-)

2.11

2500

2000

1500

1000

500

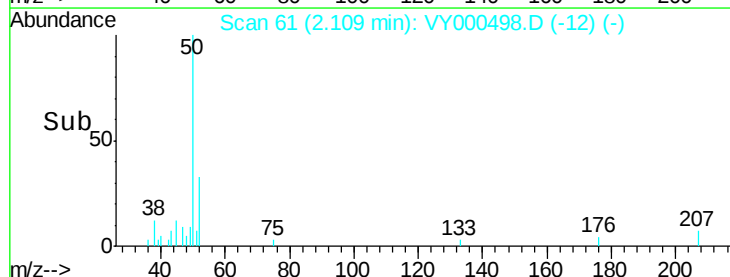
0

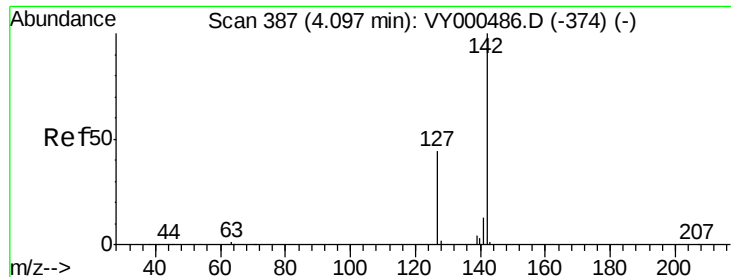
Time-->

2.05

2.10

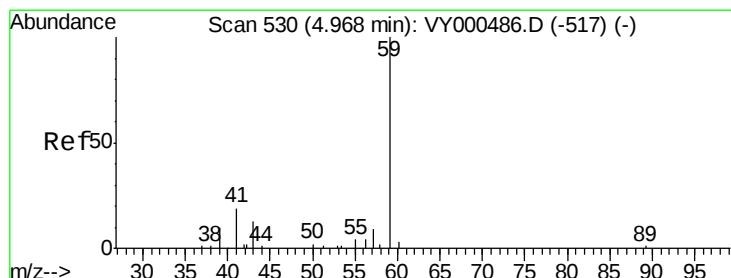
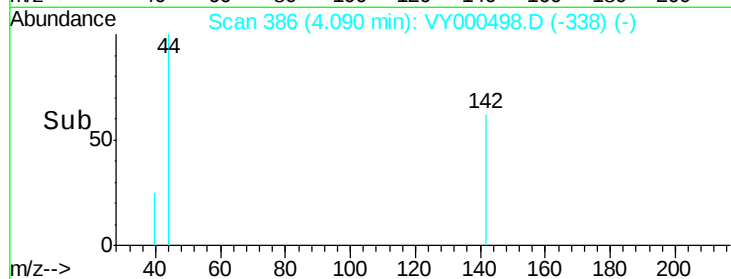
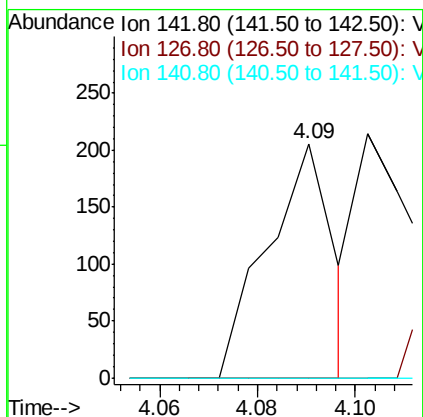
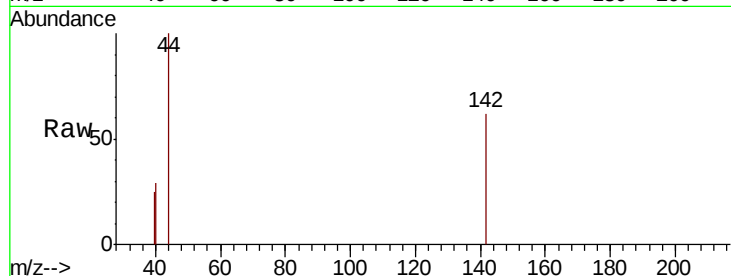
2.15





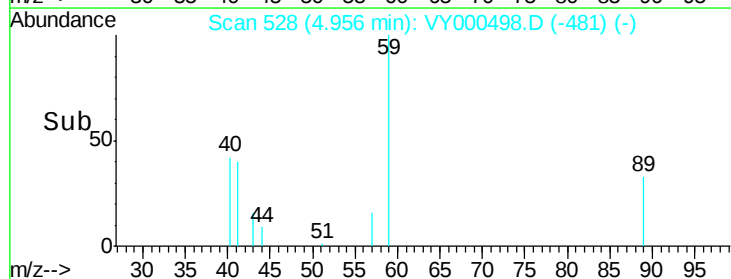
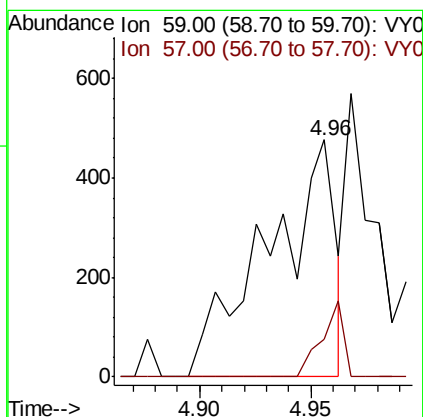
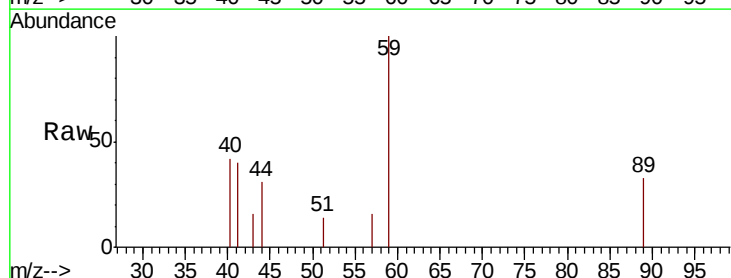
#10
Methvl Iodide
Concen: 3.256 ug/l
RT: 4.09 min Scan# 386
Delta R.T. -0.01 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

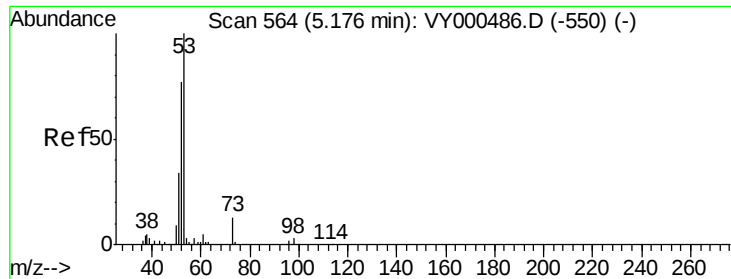
Tot Ion:	142	Resp:	192
Ion	Ratio	Lower	Upper
142	100		
127	0.0	33.7	50.5#
141	0.0	10.9	16.3#



#11
Tert butyl alcohol
Concen: 4.250 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

Tgt Ion:	59	Resp:	997
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8





#15

Acrylonitrile

Concen: 1.167 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY000498.D

Acq: 31 Oct 2019 12:09

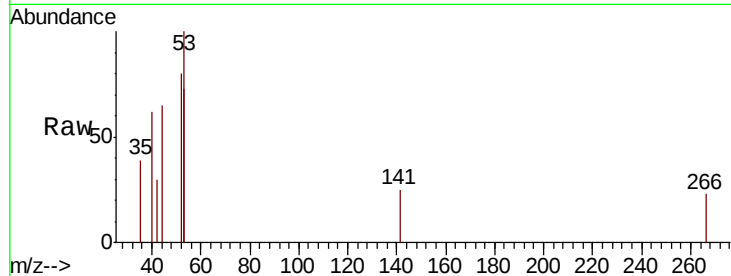
Tot Ion: 53 Resp: 841

Ion	Ratio	Lower	Upper
53	100		
52	82.0	64.9	97.3
51	5.0	27.6	41.4

53 100

52 82.0 64.9 97.3

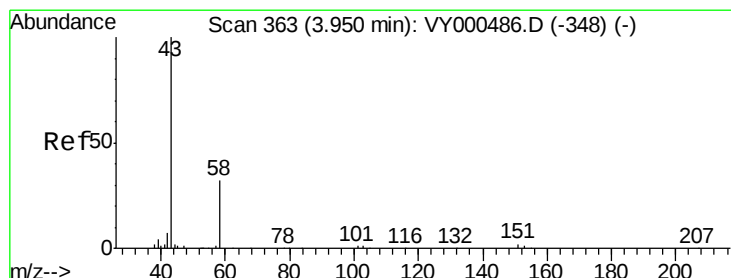
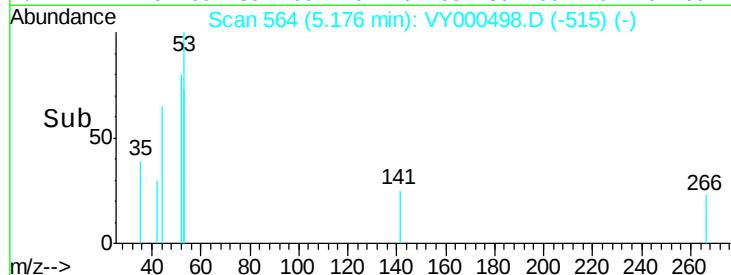
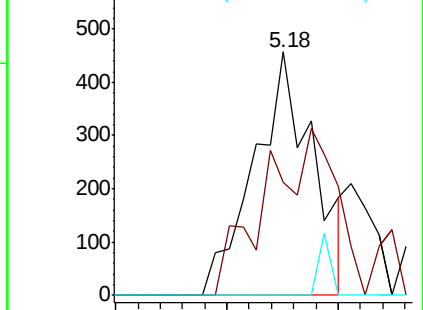
51 5.0 27.6 41.4



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 4.897 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VY000498.D

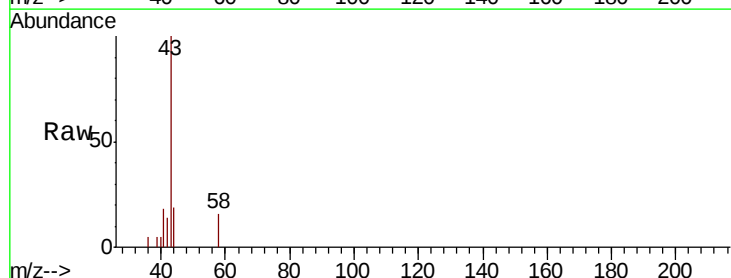
Acq: 31 Oct 2019 12:09

Tgt Ion: 43 Resp: 3253

Ion	Ratio	Lower	Upper
43	100		
58	16.5	25.8	38.6

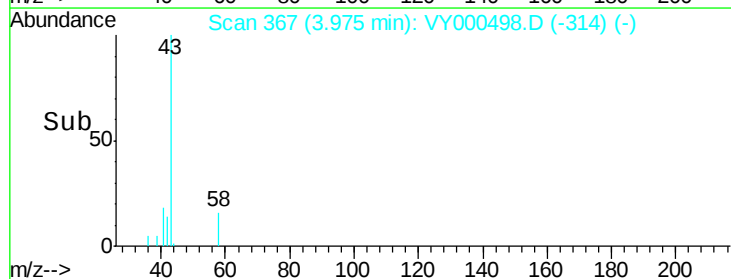
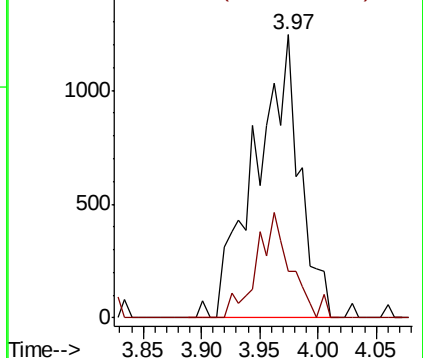
43 100

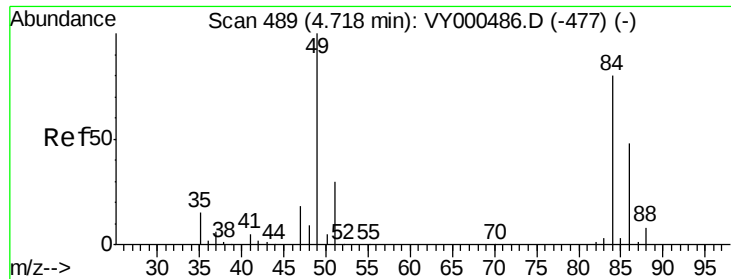
58 16.5 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

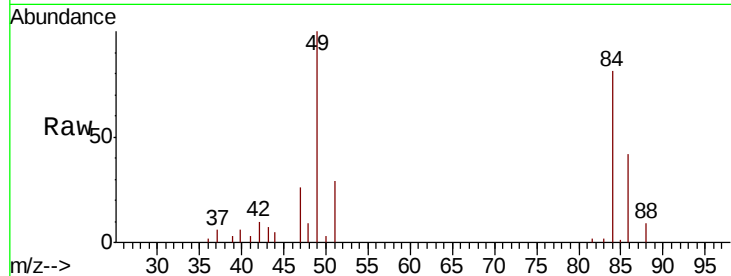
Ion 58.00 (57.70 to 58.70): VY0



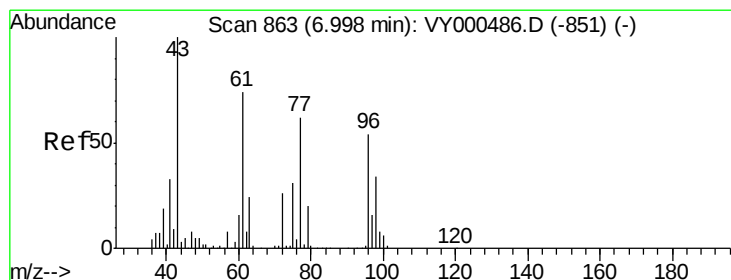
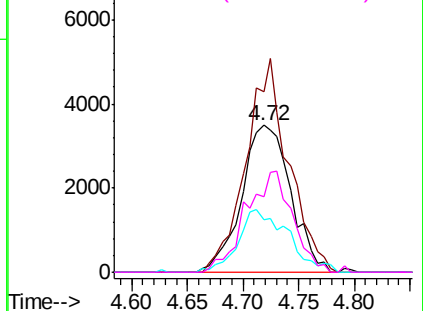
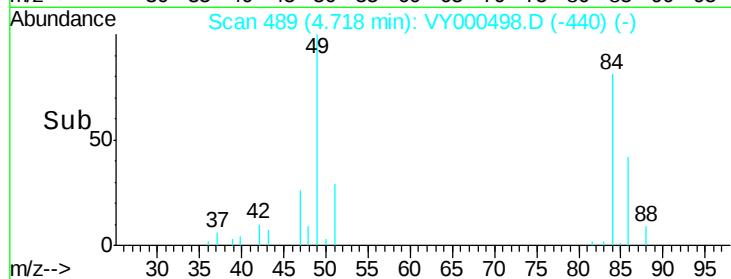


#20
Methvlene Chloride
Concen: 3.760 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.00 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

Tot Ion:	84	Resp:	10701
Ion	Ratio	Lower	Upper
84	100		
49	122.8	100.2	150.4
51	35.9	29.6	44.4
86	51.2	48.3	72.5

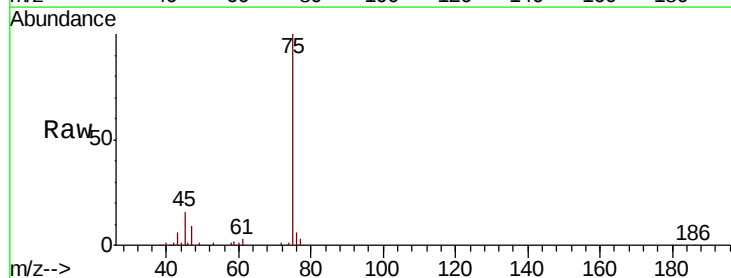


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

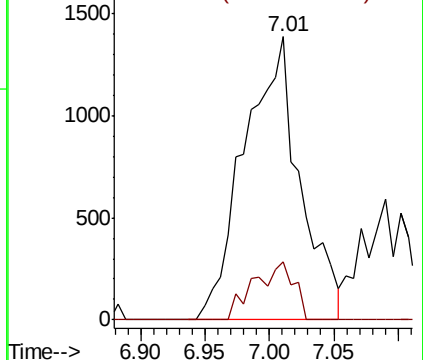
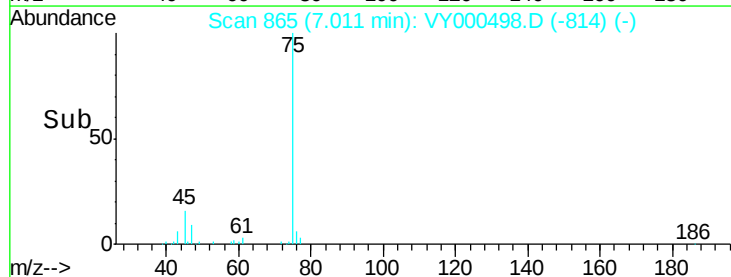


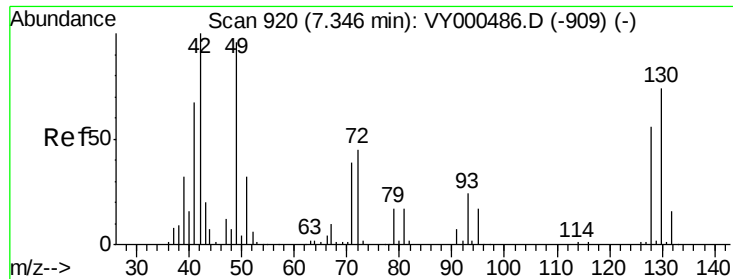
#25
2-Butanone
Concen: 3.942 ug/l
RT: 7.01 min Scan# 865
Delta R.T. 0.01 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

Tgt Ion:	43	Resp:	4179
Ion	Ratio	Lower	Upper
43	100		
72	20.5	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: 4.106 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY000498.D

Acq: 31 Oct 2019 12:09

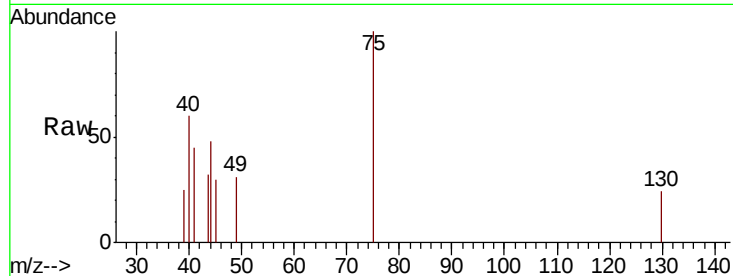
Tot Ion: 49 Resp: 29

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 144.8 59.4 89.0#

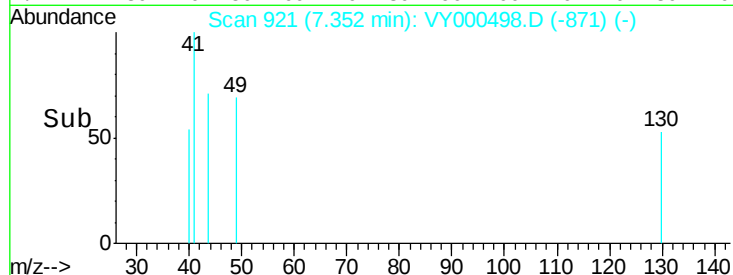


Abundance Ion 48.90 (48.60 to 49.60): VY0

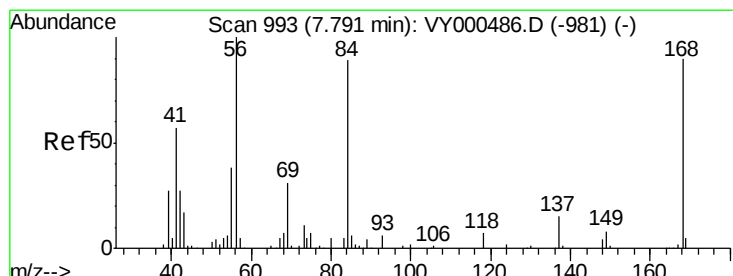
Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0

Time-->



Time-->



#31

Cyclohexane

Concen: 1.259 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000498.D

Acq: 31 Oct 2019 12:09

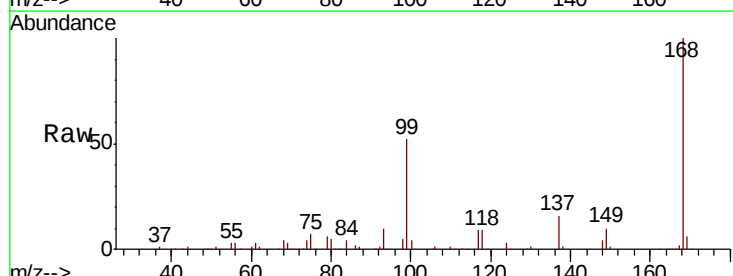
Tgt Ion: 56 Resp: 5874

Ion Ratio Lower Upper

56 100

69 108.5 25.0 37.6#

84 127.4 71.4 107.2#

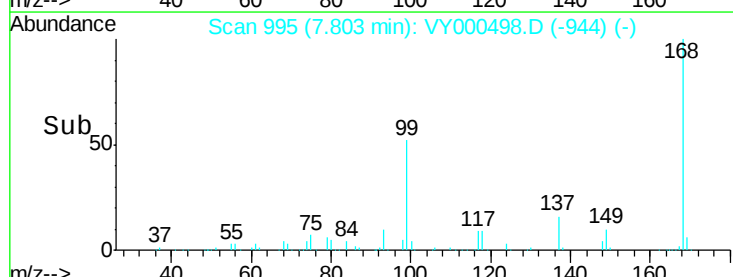


Abundance Ion 56.00 (55.70 to 56.70): VY0

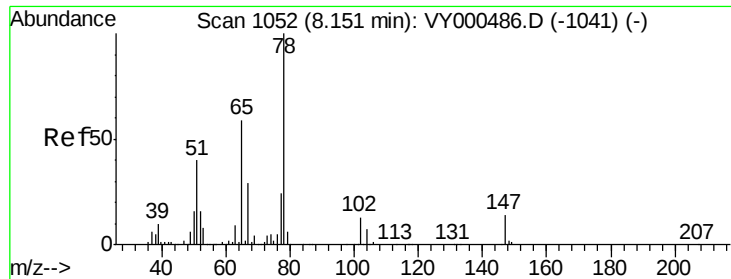
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

Time-->



Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.333 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000498.D

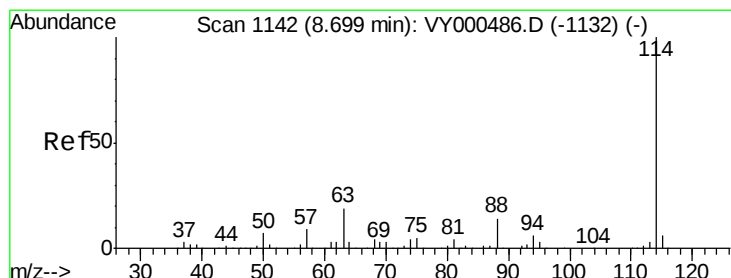
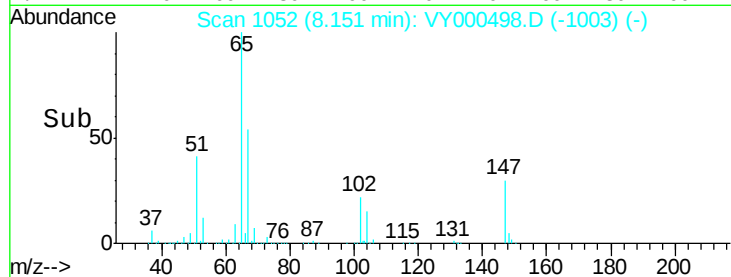
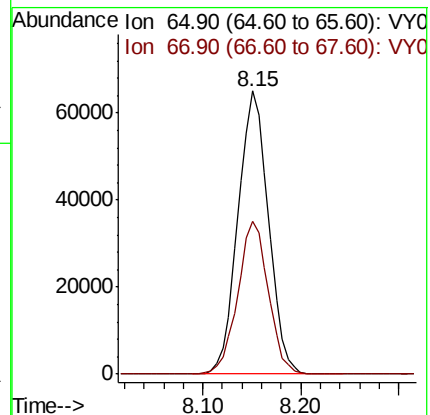
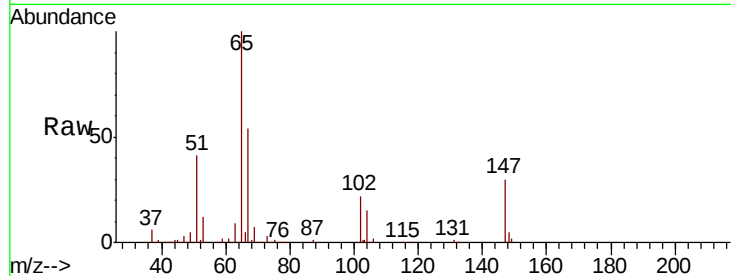
Acq: 31 Oct 2019 12:09

Tot Ion: 65 Resp: 140587

Ion Ratio Lower Upper

65 100

67 54.2 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: VY000498.D

Acq: 31 Oct 2019 12:09

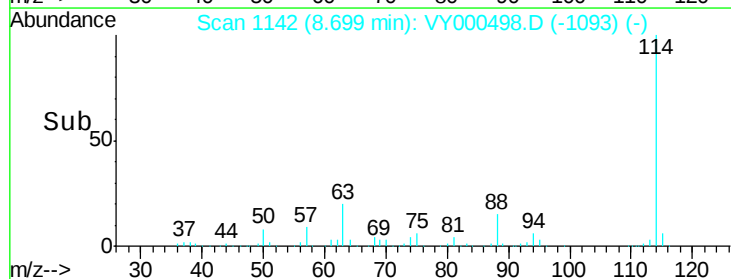
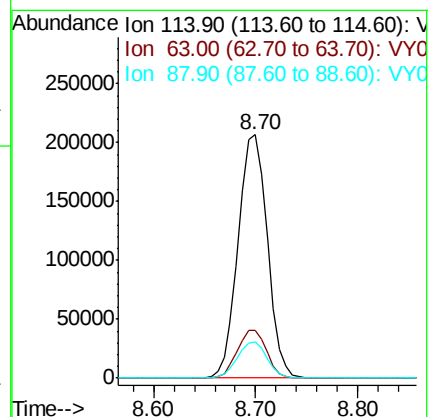
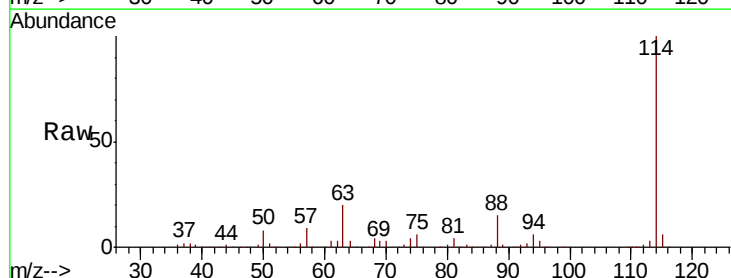
Tgt Ion: 114 Resp: 410339

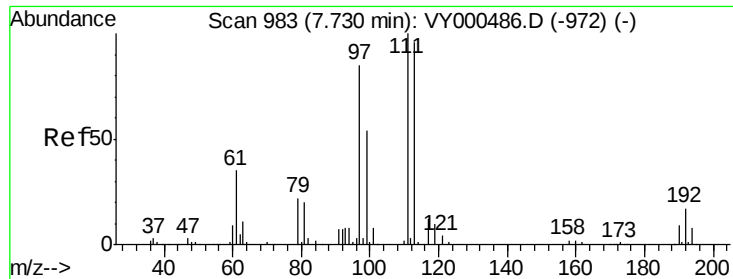
Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

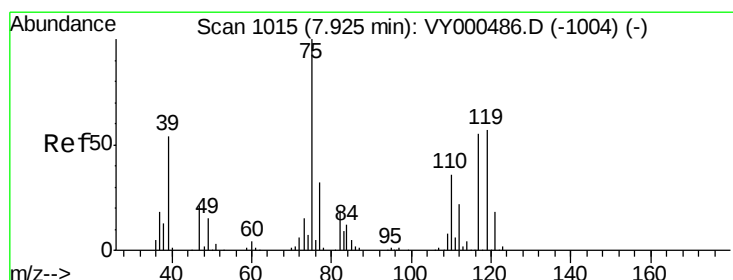
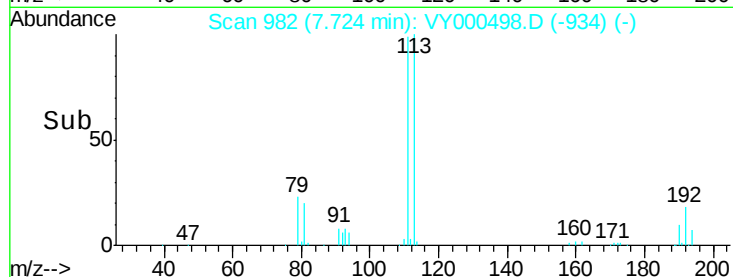
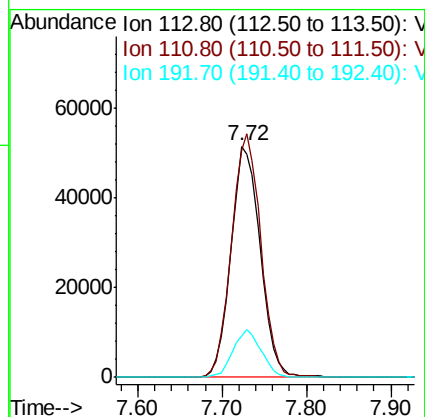
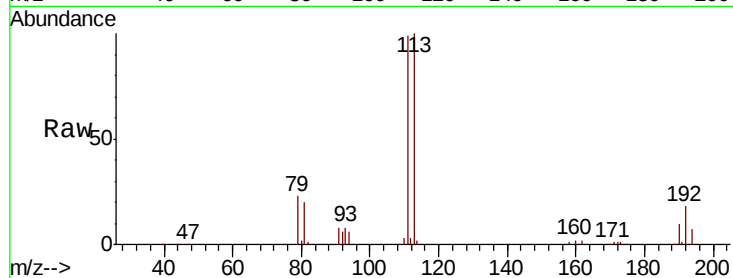
88 14.7 0.0 28.6





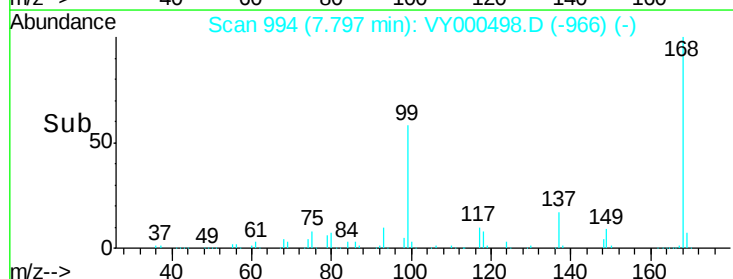
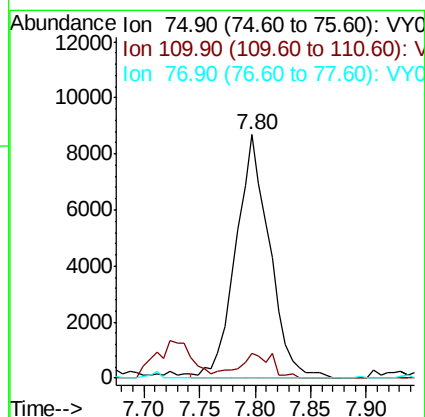
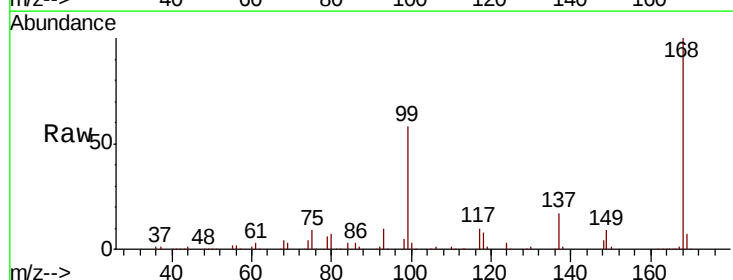
#35
 Dibromofluoromethane
 Concen: 50.245 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000498.D
 Acq: 31 Oct 2019 12:09

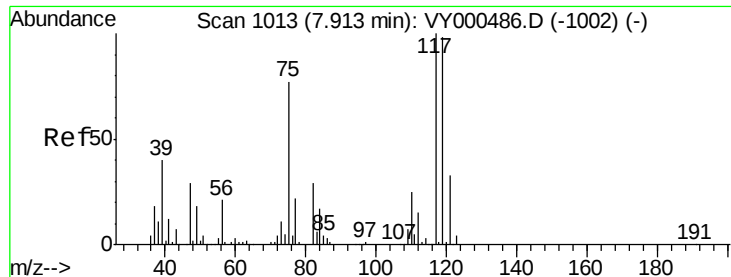
Tot Ion:113 Resp: 121037
 Ion Ratio Lower Upper
 113 100
 111 105.4 81.7 122.5
 192 19.7 15.0 22.4



#36
 1,1-Dichloropropene
 Concen: 4.721 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000498.D
 Acq: 31 Oct 2019 12:09

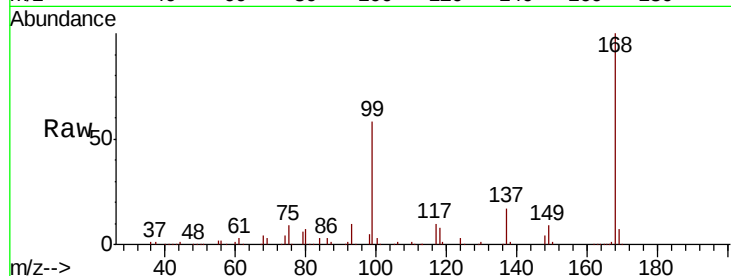
Tgt Ion: 75 Resp: 18313
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.1 54.1#
 77 0.0 25.0 37.6#



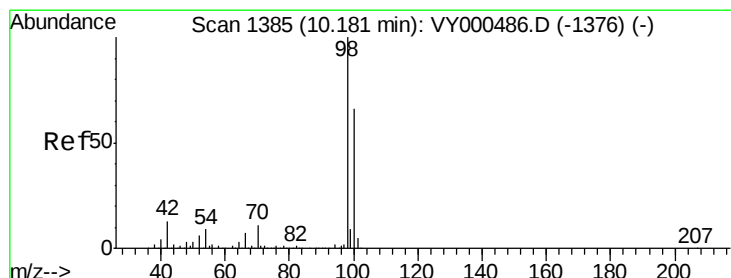
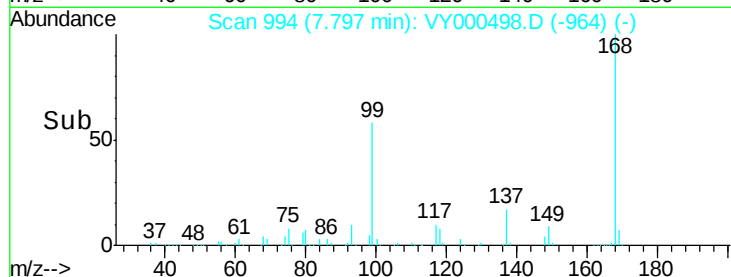
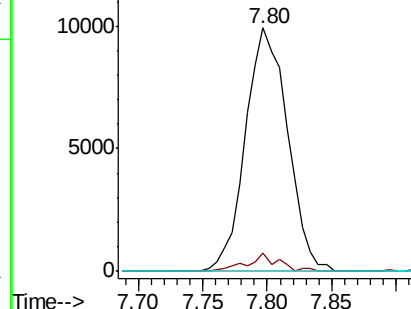


#38
Carbon Tetrachloride
Concen: 6.018 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.12 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

Tot Ion:117 Resp: 22464
Ion Ratio Lower Upper
117 100
119 7.6 78.0 117.0#
121 0.0 26.6 40.0#

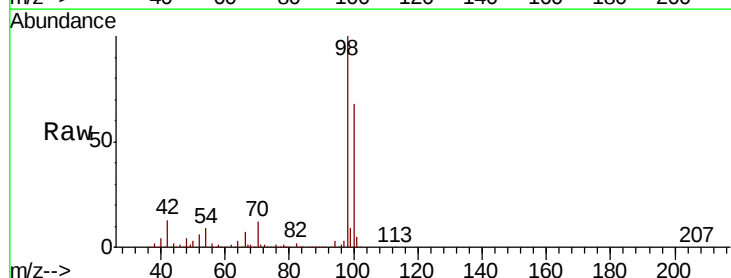


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

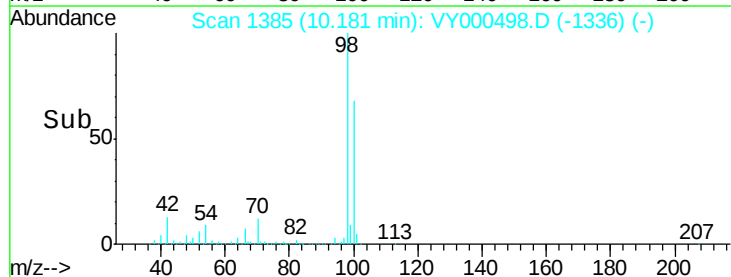
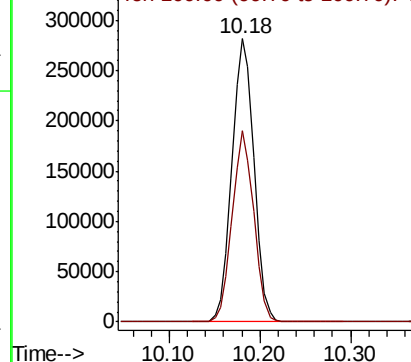


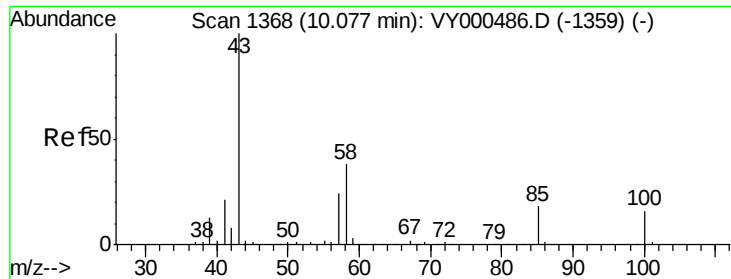
#50
Toluene-d8
Concen: 51.979 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

Tgt Ion: 98 Resp: 475125
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



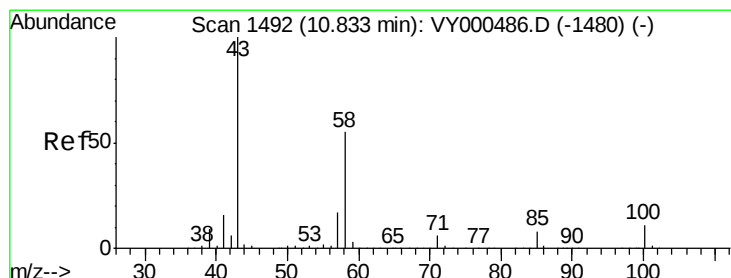
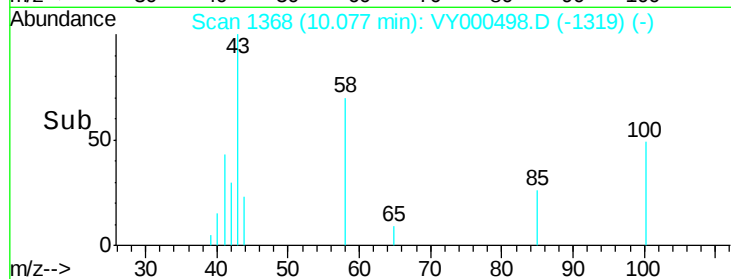
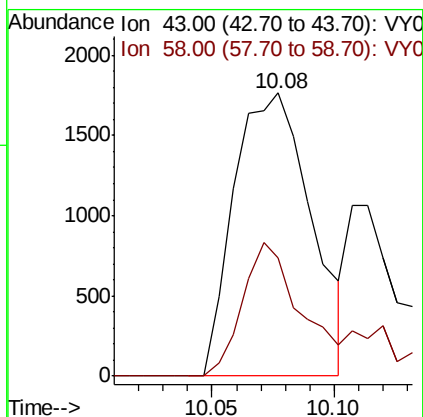
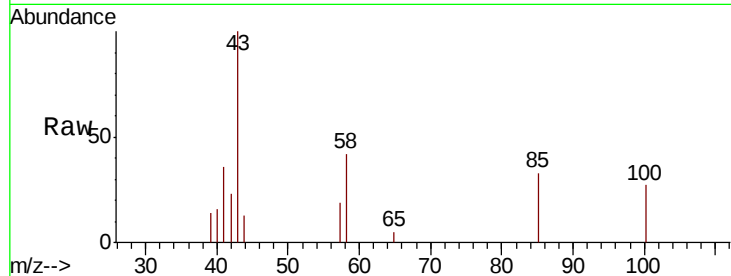
Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY





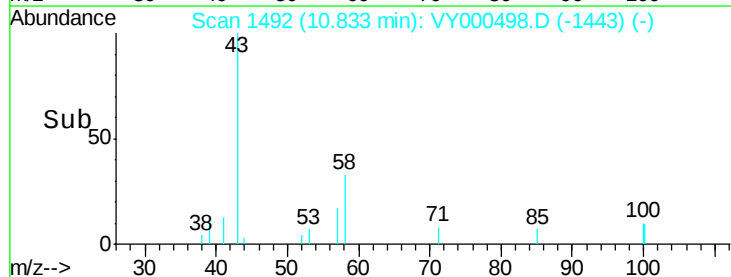
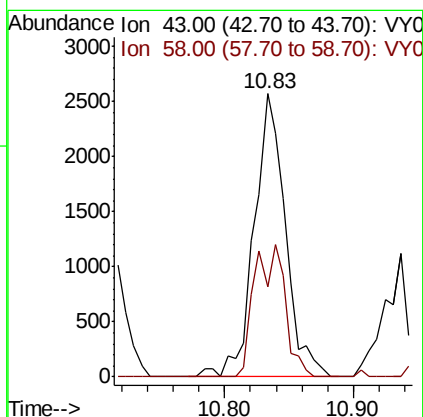
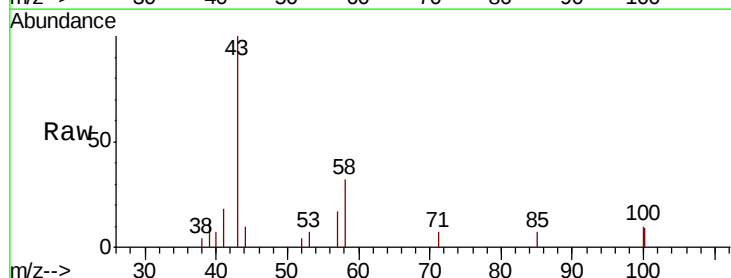
#51
4-Methyl-2-Pentanone
Concen: 1.683 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

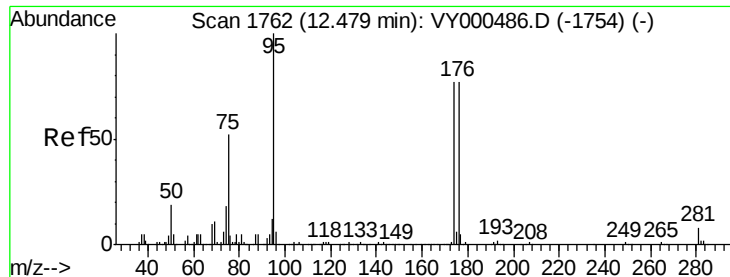
Tot Ion: 43 Resp: 3872
Ion Ratio Lower Upper
43 100
58 35.8 30.2 45.4



#59
2-Hexanone
Concen: 2.556 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

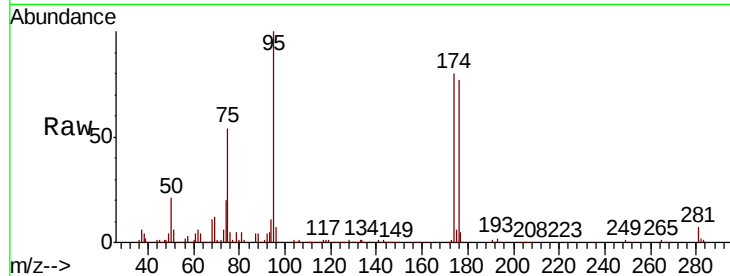
Tgt Ion: 43 Resp: 4283
Ion Ratio Lower Upper
43 100
58 46.0 27.1 81.3





#62
4-Bromofluorobenzene
Concen: 44.954 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

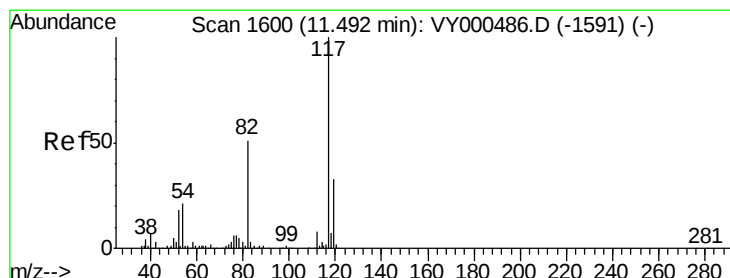
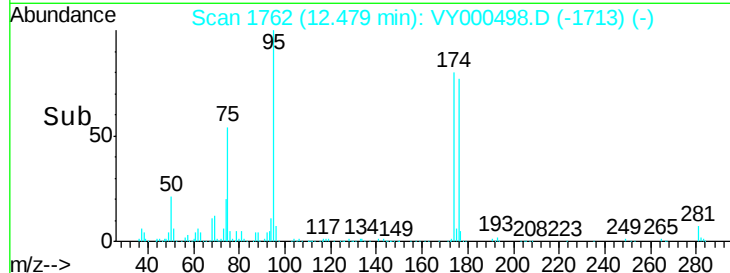
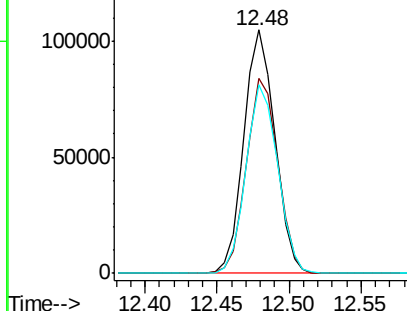
Tot Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	161.6
176	78.8	0.0	157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000498.D (-1713) (-)

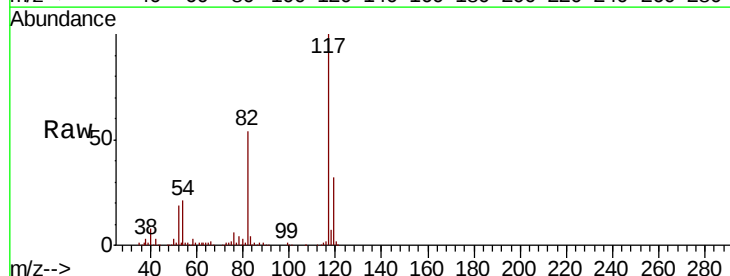
Ion 173.80 (173.50 to 174.50): VY000498.D (-1713) (-)

Ion 175.80 (175.50 to 176.50): VY000498.D (-1713) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

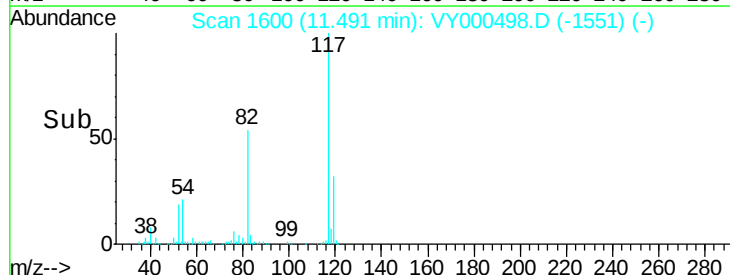
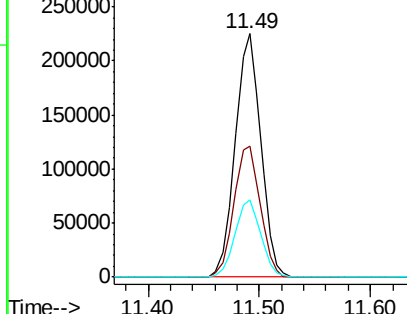
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.0	40.8	61.2
119	31.8	26.2	39.2

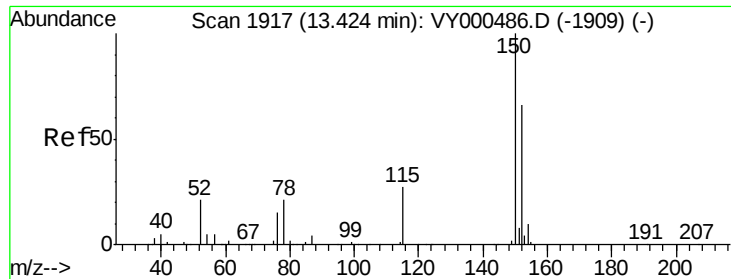


Abundance Ion 116.90 (116.60 to 117.60): VY000498.D (-1551) (-)

Ion 82.00 (81.70 to 82.70): VY000498.D (-1551) (-)

Ion 118.90 (118.60 to 119.60): VY000498.D (-1551) (-)

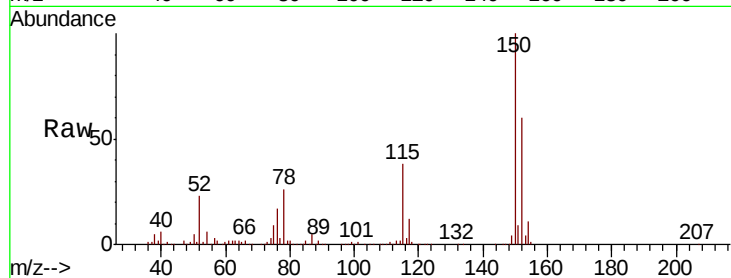




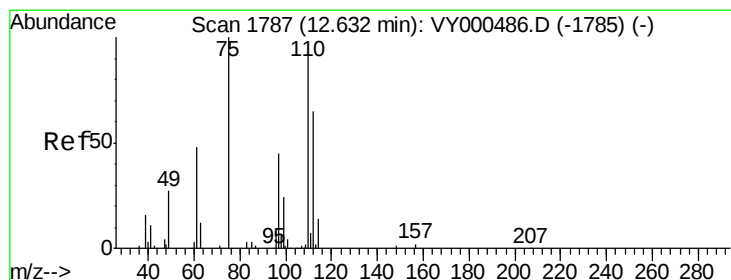
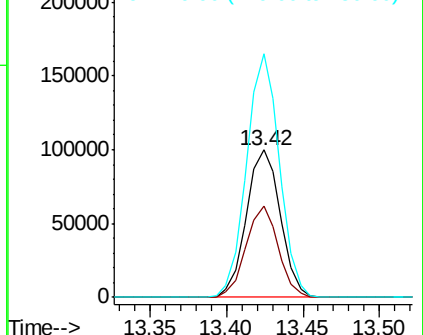
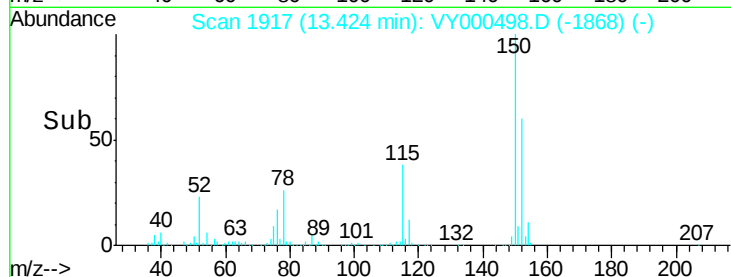
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.1	87.4
150	159.0	0.0	348.8



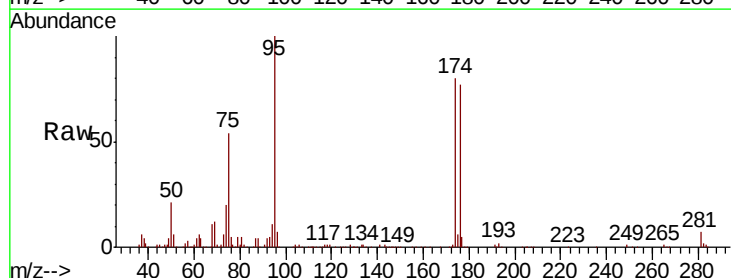
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



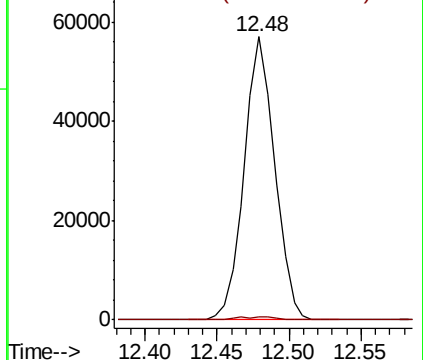
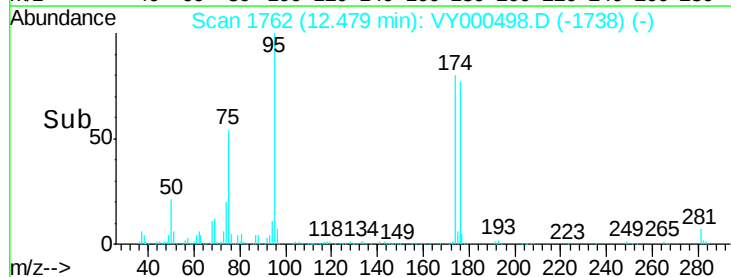
#76

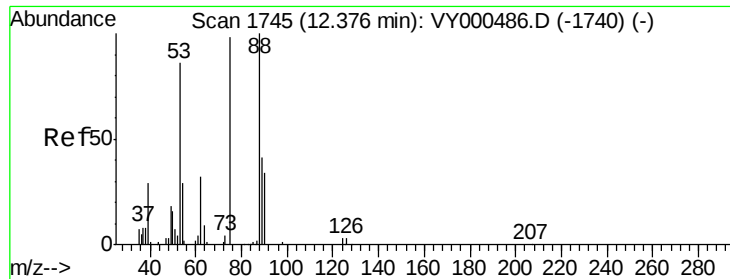
1,2,3-Trichloropropane
Concen: 47.534 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.6	0.0	0.0#



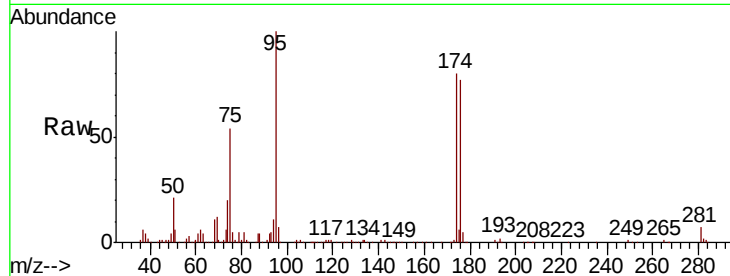
Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81
trans-1,4-Dichloro-2-butene
Concen: 106.577 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

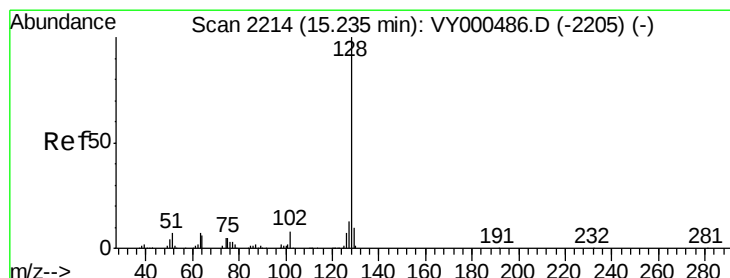
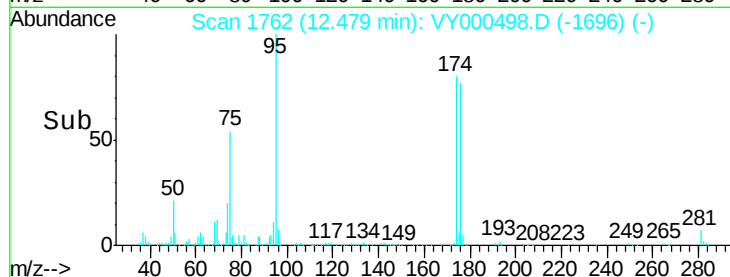
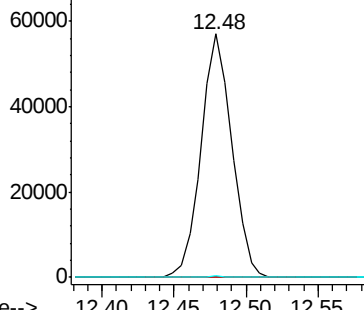
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.2	109.8#
89	0.2	35.9	53.9#



Abundance Ion 74.90 (74.60 to 75.60): VY000498.D (-1740) (-)

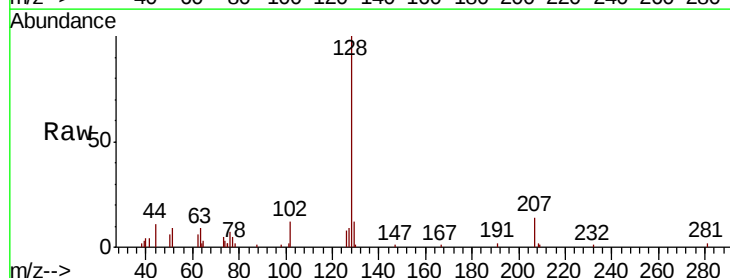
Ion 53.00 (52.70 to 53.70): VY000498.D (-1740) (-)

Ion 88.90 (88.60 to 89.60): VY000498.D (-1740) (-)



#95
Naphthalene
Concen: 1.569 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000498.D
Acq: 31 Oct 2019 12:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.0	9.8	14.6
129	10.5	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): VY000498.D (-2165) (-)

Ion 127.00 (126.70 to 127.70): VY000498.D (-2165) (-)

Ion 129.00 (128.70 to 129.70): VY000498.D (-2165) (-)

