

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY103119\
 Data File : VY000504.D
 Acq On : 31 Oct 2019 14:39
 Operator : SY/MD
 Sample : K5615-01
 Misc : 8.48G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

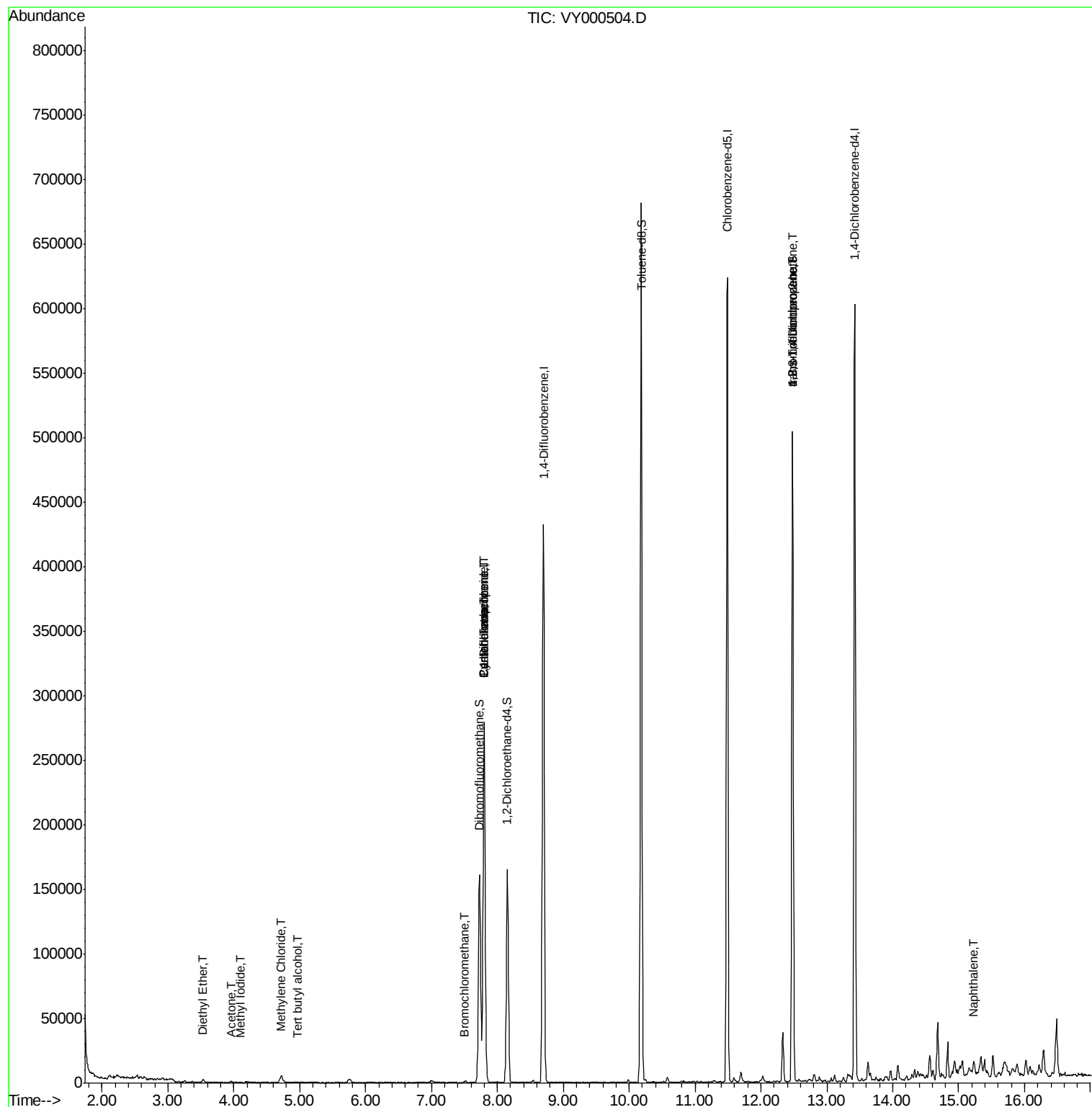
Quant Time: Nov 01 05:51:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 13:30:53 2019
 Response via : Initial Calibration

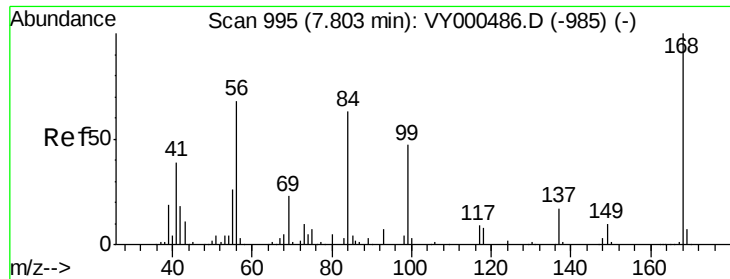
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	215794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	375217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	331749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	148966	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	125957	56.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.80%	
35) Dibromofluoromethane	7.73	113	111138	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
50) Toluene-d8	10.18	98	430623	51.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.48	95	143827	45.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.40%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.53	74	1454	1.115	ug/l	87
10) Methyl Iodide	4.10	142	64	3.220	ug/l #	1
11) Tert butyl alcohol	4.96	59	662	3.045	ug/l #	72
16) Acetone	3.96	43	1547	2.513	ug/l	95
20) Methylene Chloride	4.72	84	3882	1.472	ug/l #	71
28) Bromochloromethane	7.50	49	41	4.113	ug/l #	14
31) Cyclohexane	7.80	56	5164	1.195	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	17186	4.845	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21549	6.314	ug/l #	14
76) 1,2,3-Trichloropropane	12.48	75	76474	45.086	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	76474	101.089	ug/l #	13
95) Naphthalene	15.23	128	8905	1.328	ug/l #	94

(#) = 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# 994

Delta R.T. -0.01 min

Lab File: VY000504.D

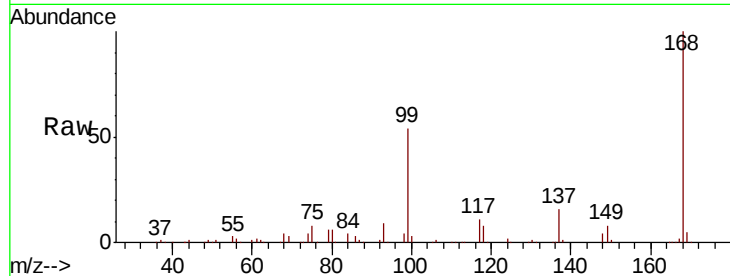
Acq: 31 Oct 2019 14:39

Tot Ion:168 Resp: 215794

Ion Ratio Lower Upper

168 100

99 53.7 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000504.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000504.D (-985) (-)

7.80

100000

80000

60000

40000

20000

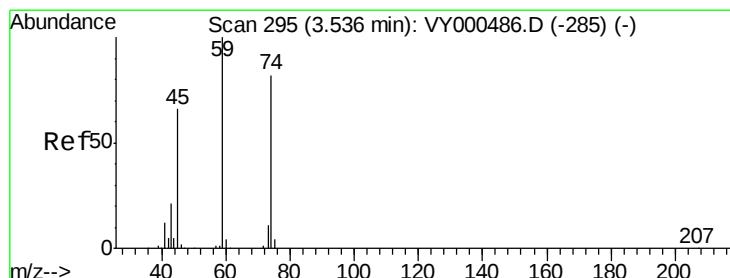
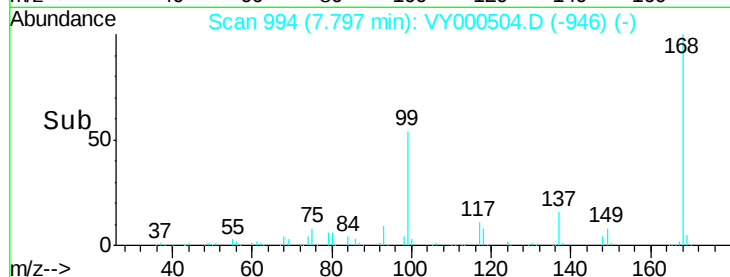
0

Time-->

7.70

7.80

7.90



#8

Diethyl Ether

Concen: 1.115 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000504.D

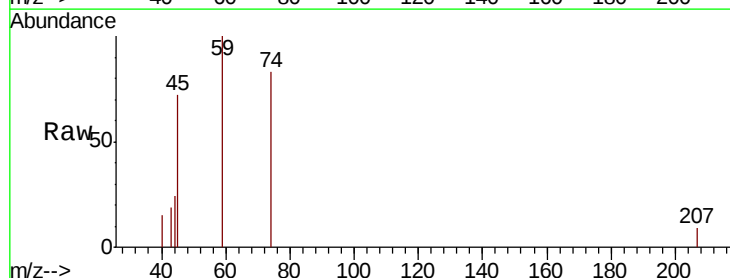
Acq: 31 Oct 2019 14:39

Tgt Ion: 74 Resp: 1454

Ion Ratio Lower Upper

74 100

45 78.4 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000504.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY000504.D (-246) (-)

3.53

800

600

400

200

0

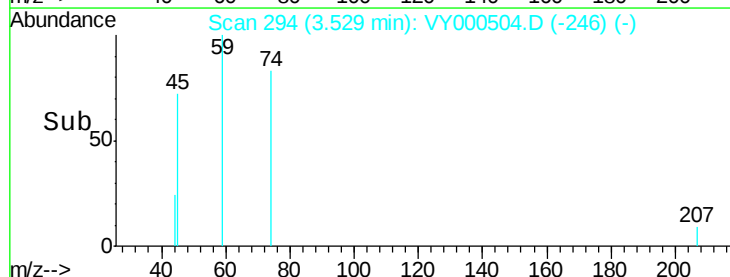
Time-->

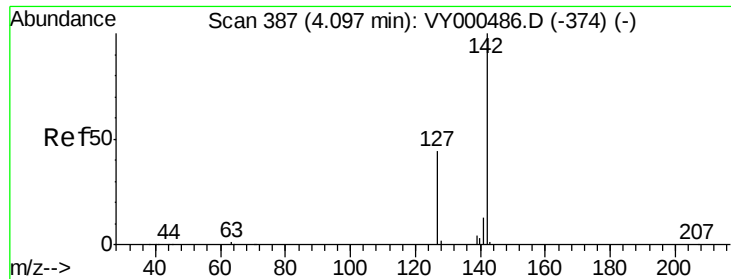
3.45

3.50

3.55

3.60





#10

Methvl Iodide

Concen: 3.220 ug/l

RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

Lab File: VY000504.D

Acq: 31 Oct 2019 14:39

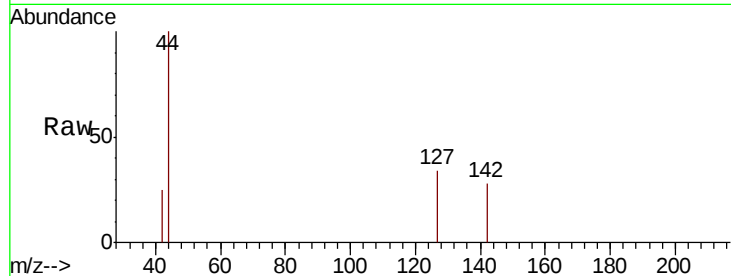
Tot Ion:142 Resp: 64

Ion Ratio Lower Upper

142 100

127 142.2 33.7 50.5#

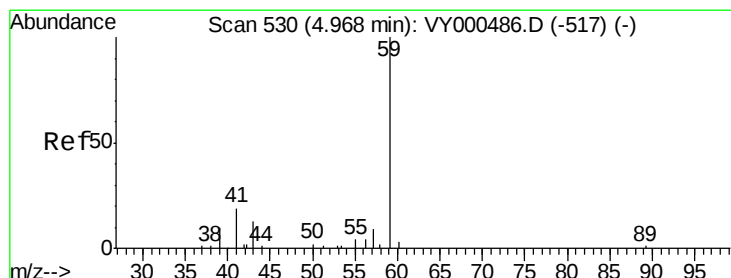
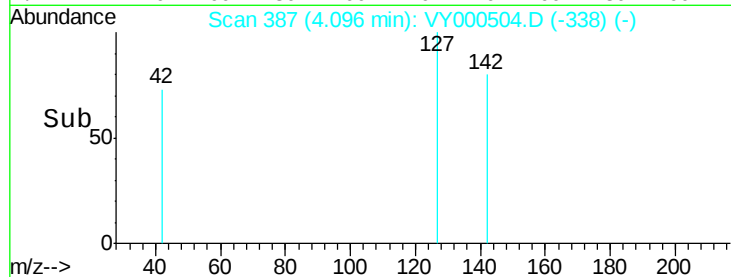
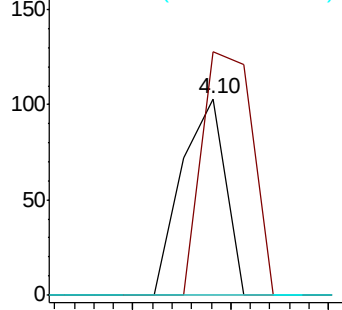
141 0.0 10.9 16.3#



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: 3.045 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY000504.D

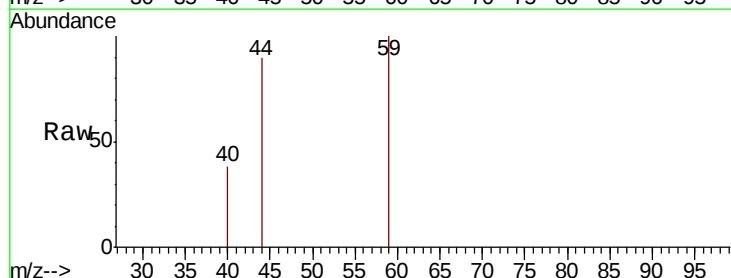
Acq: 31 Oct 2019 14:39

Tgt Ion: 59 Resp: 662

Ion Ratio Lower Upper

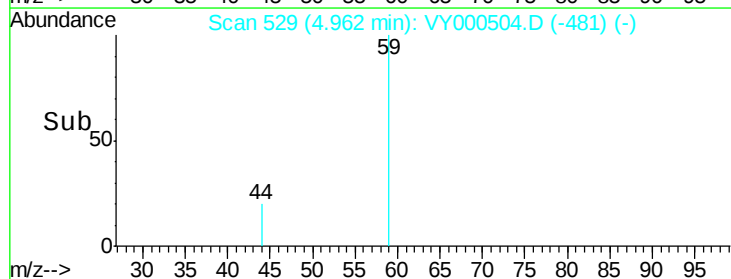
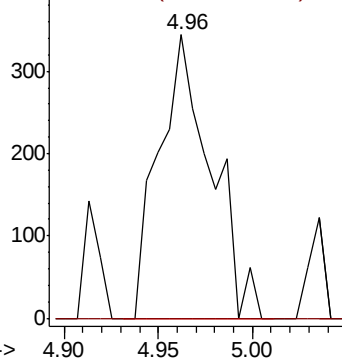
59 100

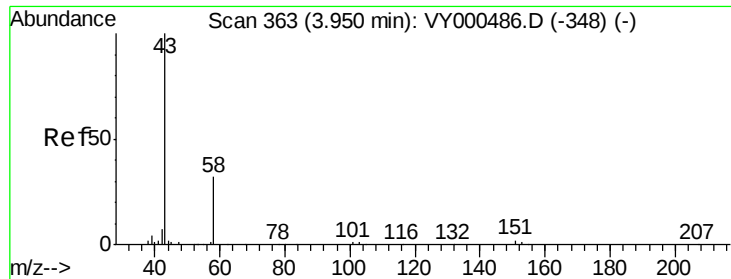
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 2.513 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000504.D

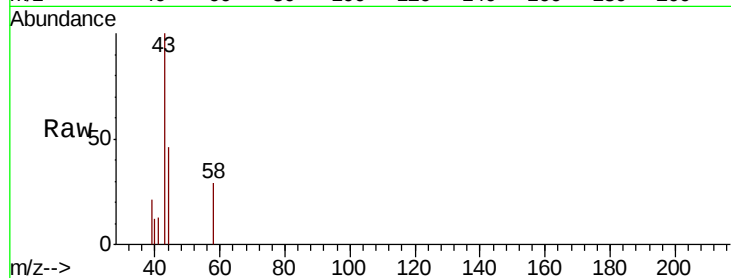
Acq: 31 Oct 2019 14:39

Tot Ion: 43 Resp: 1547

Ion Ratio Lower Upper

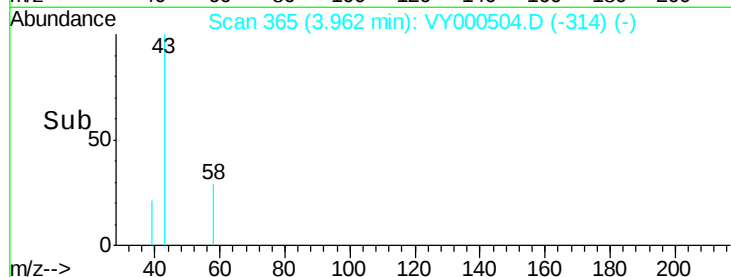
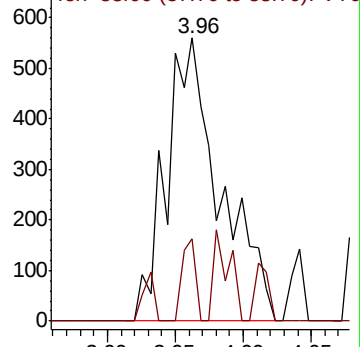
43 100

58 29.3 25.8 38.6

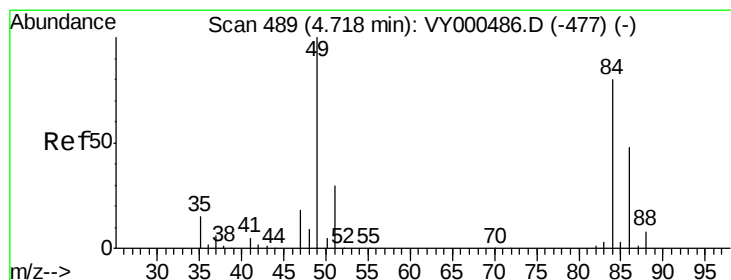


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#20

Methylene Chloride

Concen: 1.472 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.00 min

Lab File: VY000504.D

Acq: 31 Oct 2019 14:39

Tgt Ion: 84 Resp: 3882

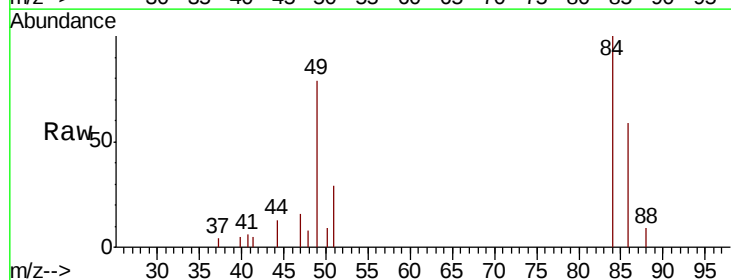
Ion Ratio Lower Upper

84 100

49 72.0 100.2 150.4#

51 29.1 29.6 44.4#

86 58.7 48.3 72.5

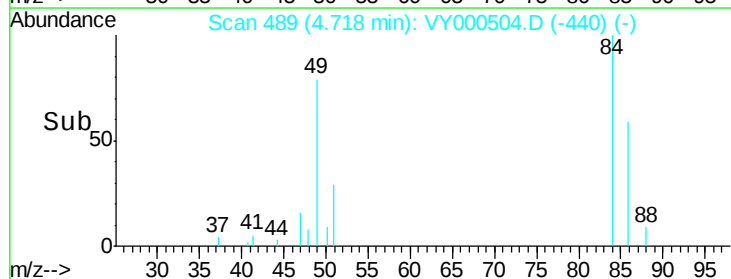
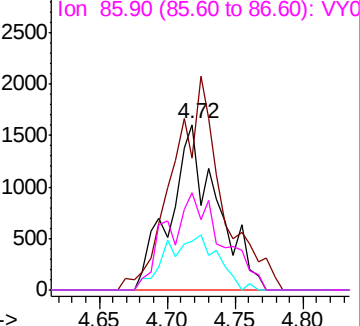


Abundance Ion 83.90 (83.60 to 84.60): VY0

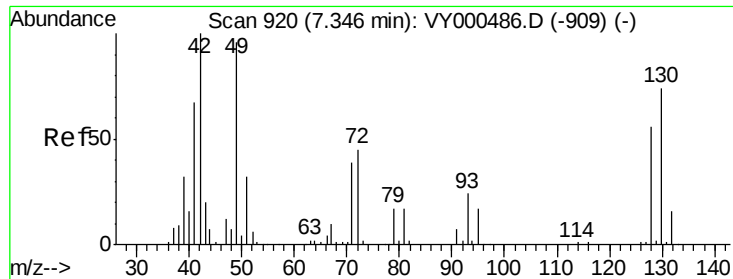
Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time-->



#28

Bromochloromethane

Concen: 4.113 ug/l

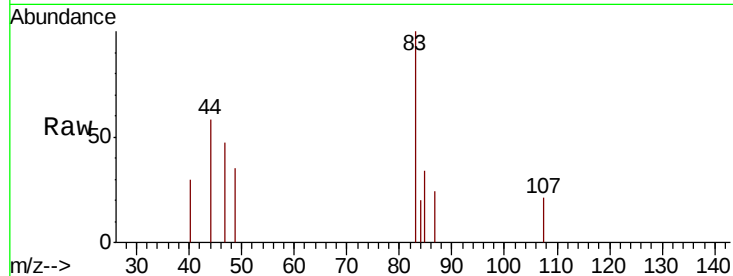
RT: 7.50 min Scan# 945

Delta R.T. 0.15 min

Lab File: VY000504.D

Acq: 31 Oct 2019 14:39

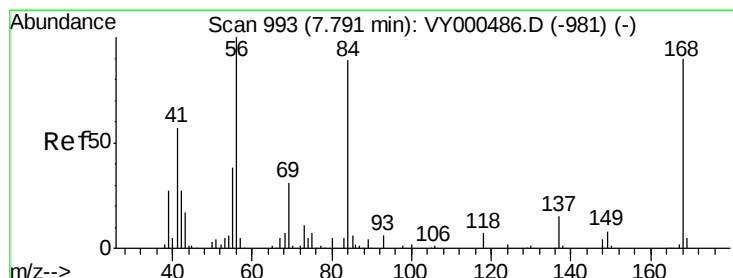
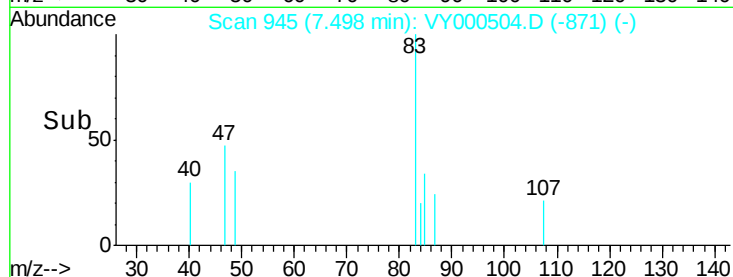
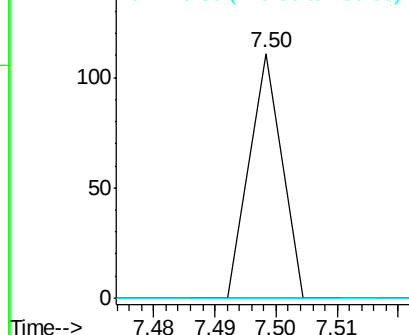
Tot Ion	49	Resp	41
Ion Ratio	100		
Lower	0.0	0.0	3.6
Upper	0.0	59.4	89.0#



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: 1.195 ug/l

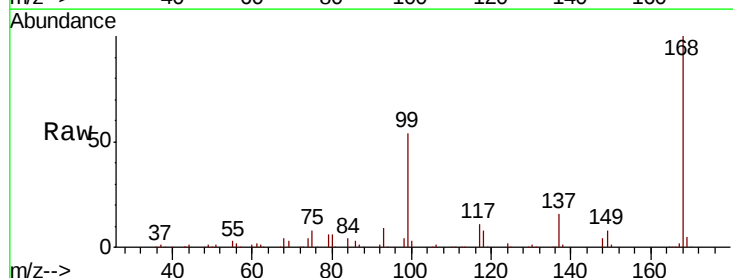
RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000504.D

Acq: 31 Oct 2019 14:39

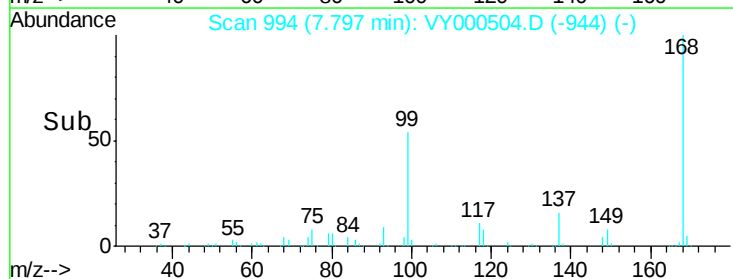
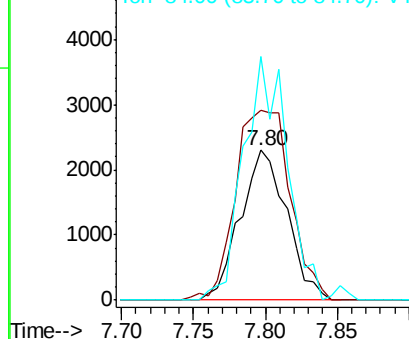
Tgt Ion	56	Resp	5164
Ion Ratio	100		
Lower	126.4	25.0	37.6#
Upper	162.5	71.4	107.2#

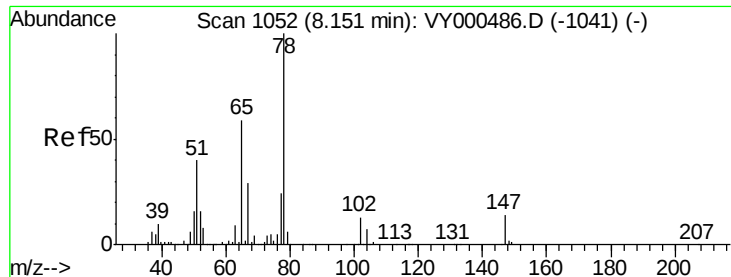


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#33

1,2-Dichloroethane-d4

Concen: 56.402 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000504.D

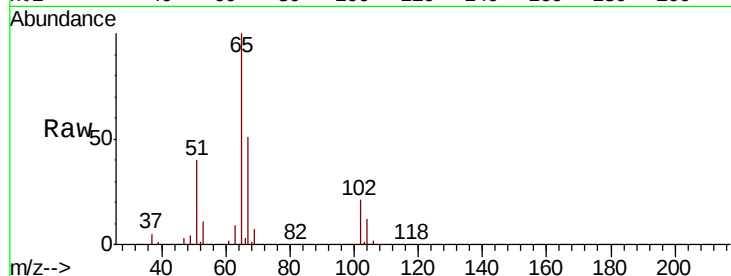
Acq: 31 Oct 2019 14:39

Tot Ion: 65 Resp: 125957

Ion Ratio Lower Upper

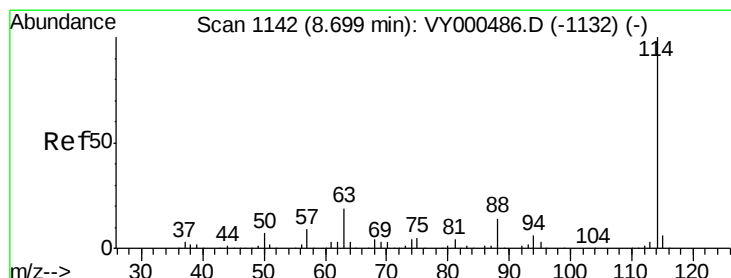
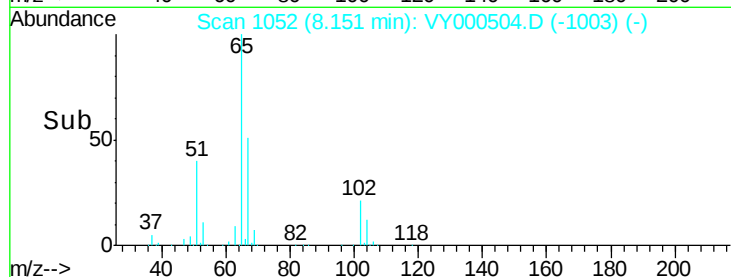
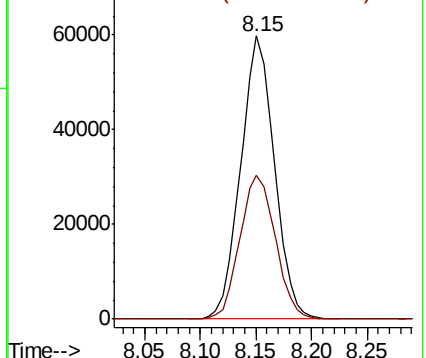
65 100

67 53.4 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: VY000504.D

Acq: 31 Oct 2019 14:39

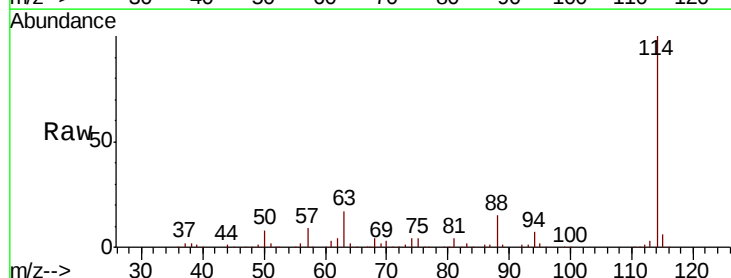
Tgt Ion: 114 Resp: 375217

Ion Ratio Lower Upper

114 100

63 17.5 0.0 38.0

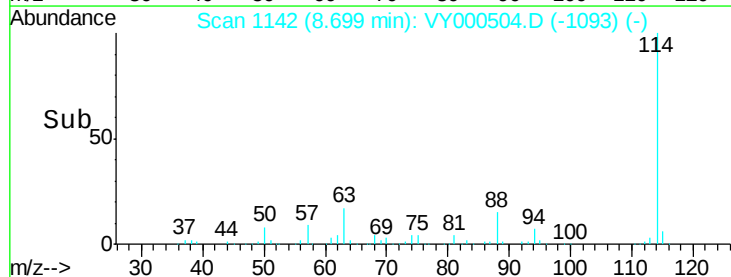
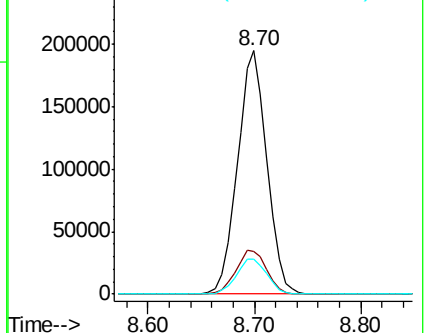
88 14.6 0.0 28.6

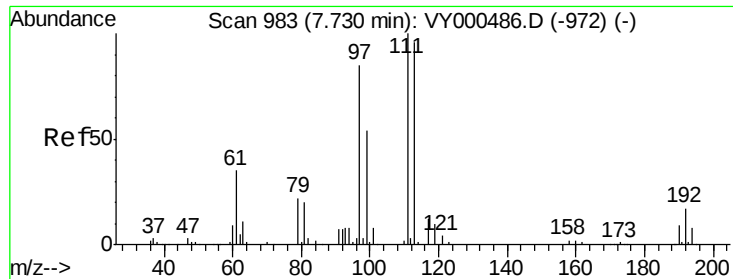


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 50.454 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000504.D

Acq: 31 Oct 2019 14:39

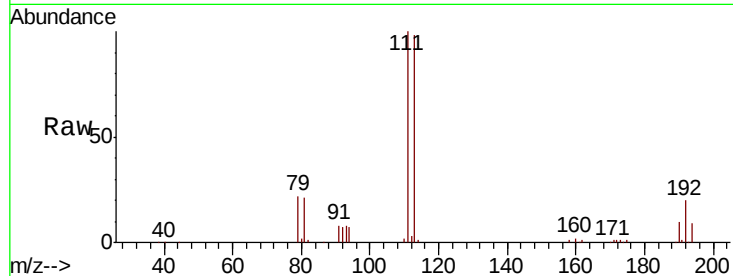
Tot Ion:113 Resp: 111138

Ion Ratio Lower Upper

113 100

111 101.7 81.7 122.5

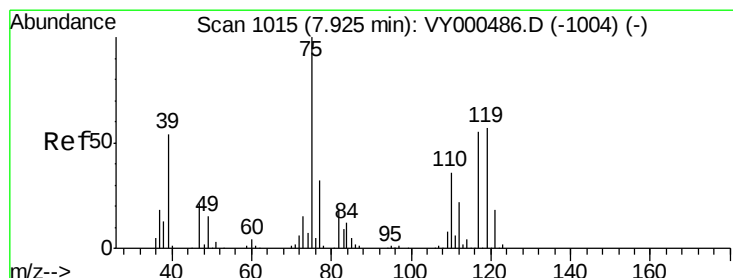
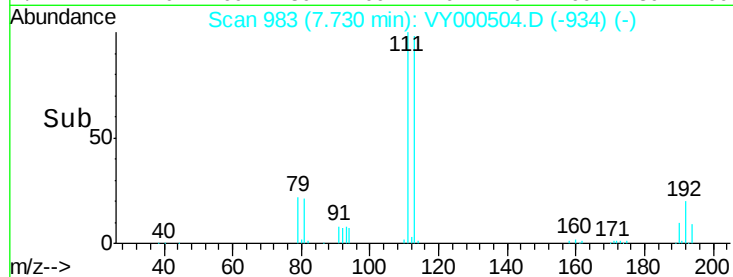
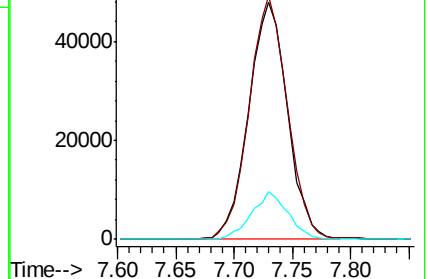
192 18.9 15.0 22.4



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: 4.845 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000504.D

Acq: 31 Oct 2019 14:39

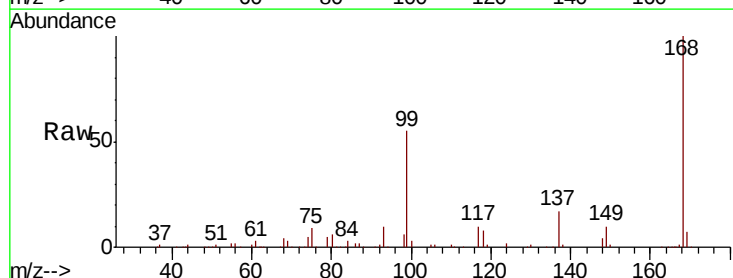
Tgt Ion: 75 Resp: 17186

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

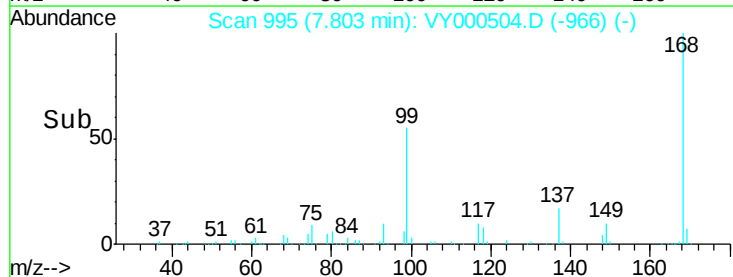
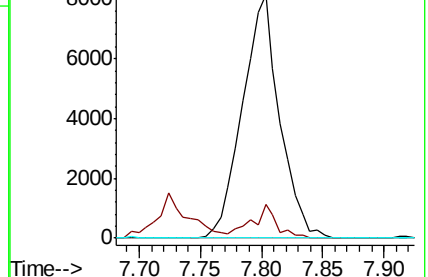
77 0.0 25.0 37.6#

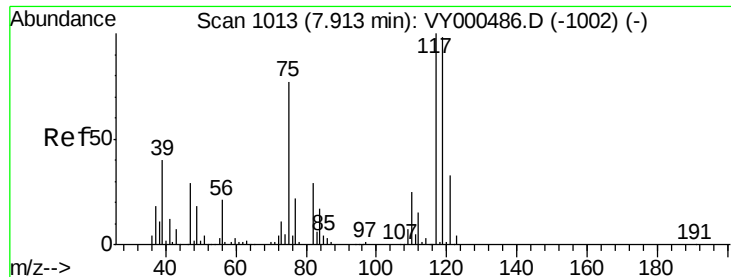


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.314 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000504.D

Acq: 31 Oct 2019 14:39

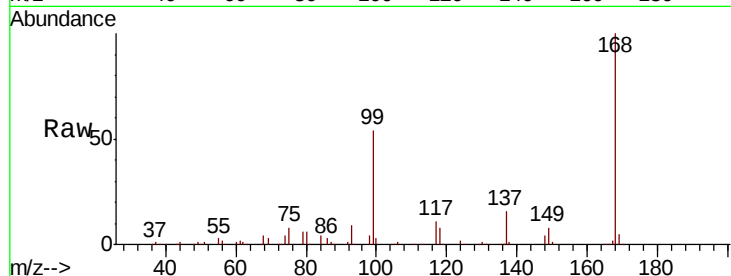
Tot Ion:117 Resp: 21549

Ion Ratio Lower Upper

117 100

119 3.4 78.0 117.0#

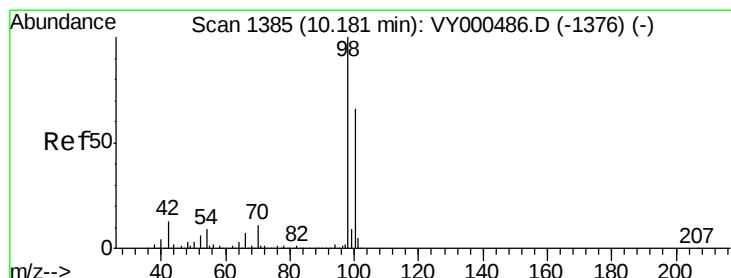
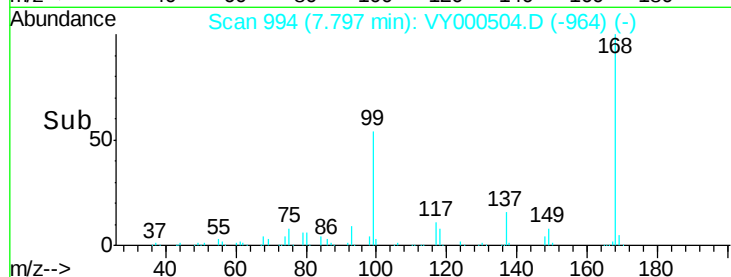
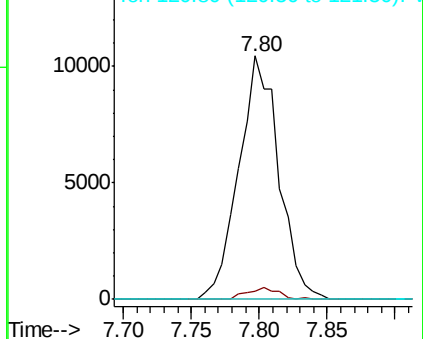
121 0.0 26.6 40.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.520 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000504.D

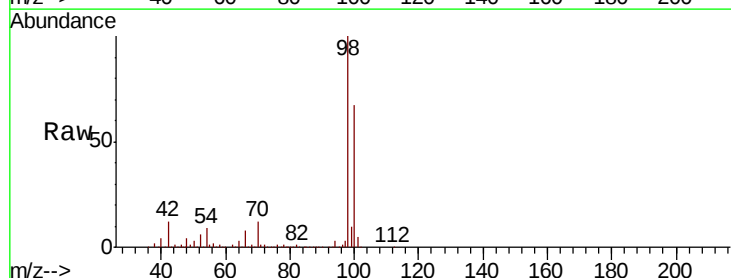
Acq: 31 Oct 2019 14:39

Tgt Ion: 98 Resp: 430623

Ion Ratio Lower Upper

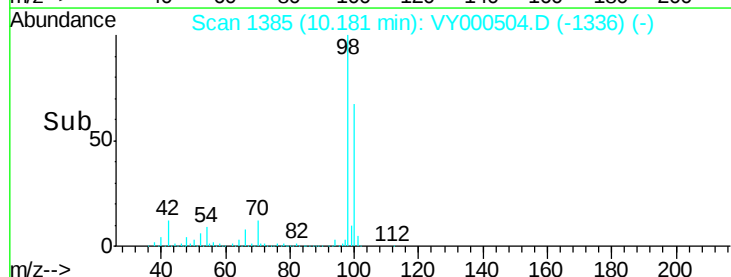
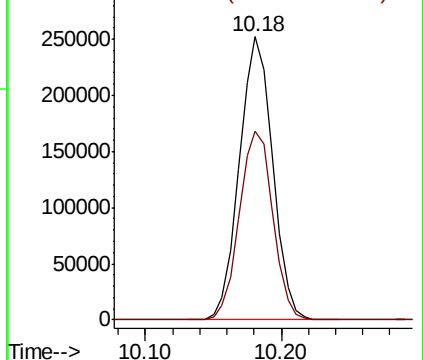
98 100

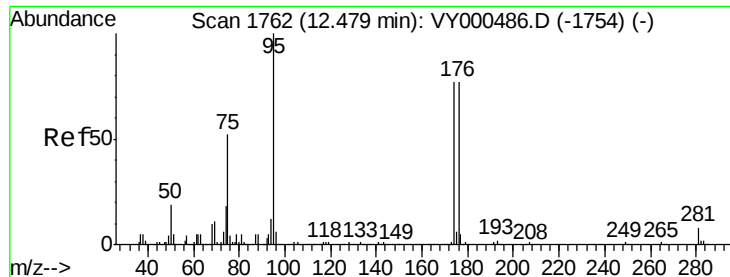
100 67.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

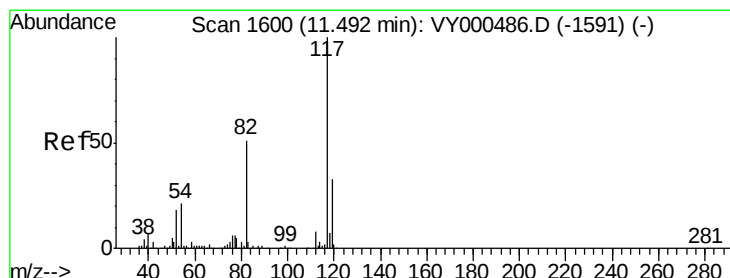
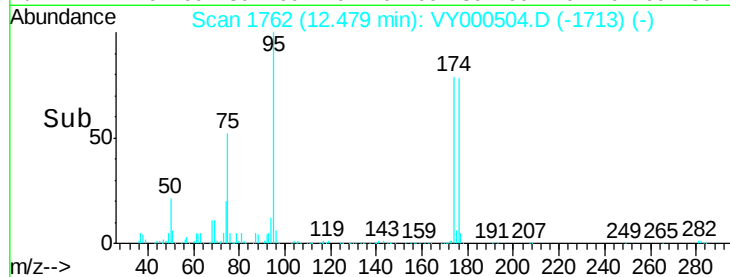
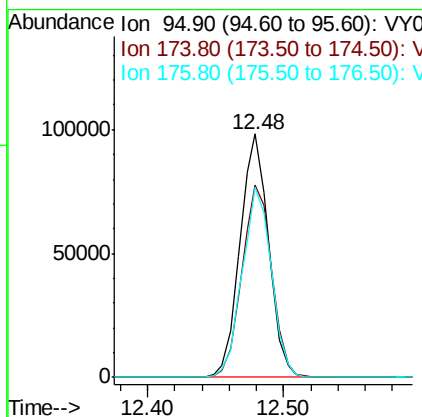
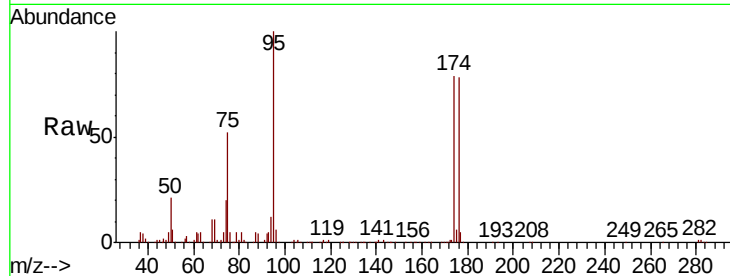
Ion 100.00 (99.70 to 100.70): VY





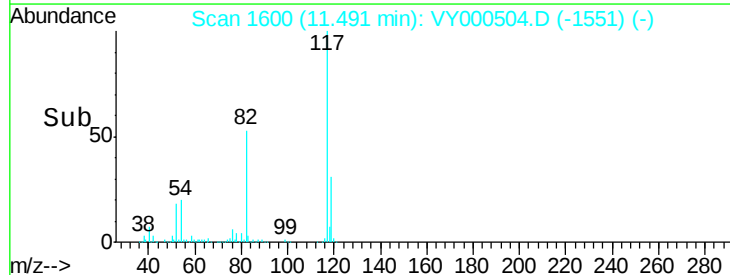
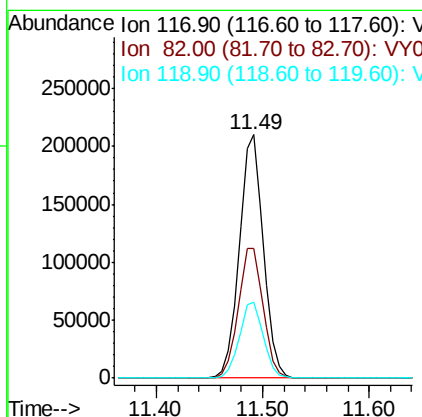
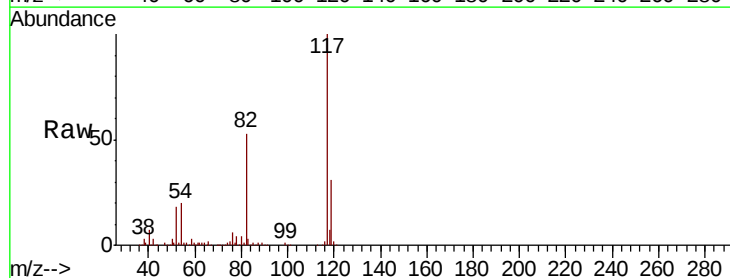
#62
4-Bromofluorobenzene
Concen: 45.201 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000504.D
Acq: 31 Oct 2019 14:39

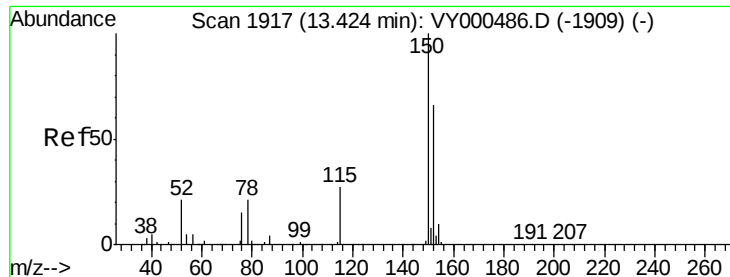
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	161.6
176	80.1	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000504.D
Acq: 31 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.5	40.8	61.2
119	31.0	26.2	39.2

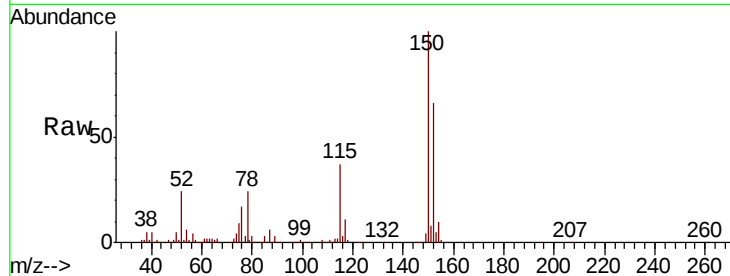




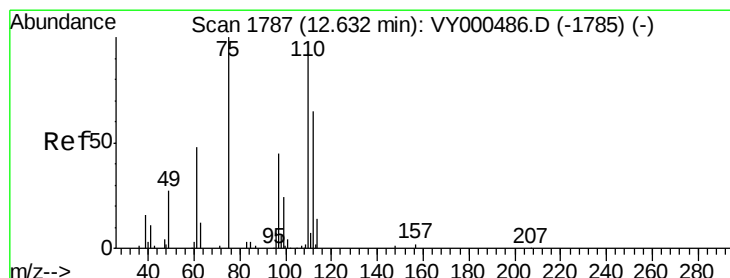
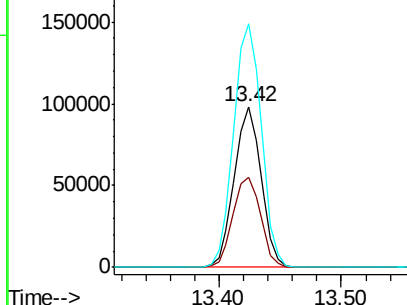
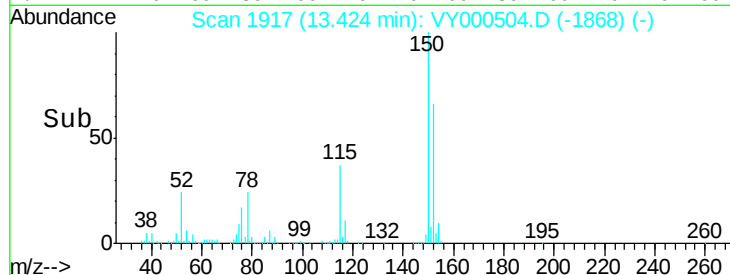
#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000504.D
Acq: 31 Oct 2019 14:39

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	29.1	87.4
150	156.1	0.0	348.8



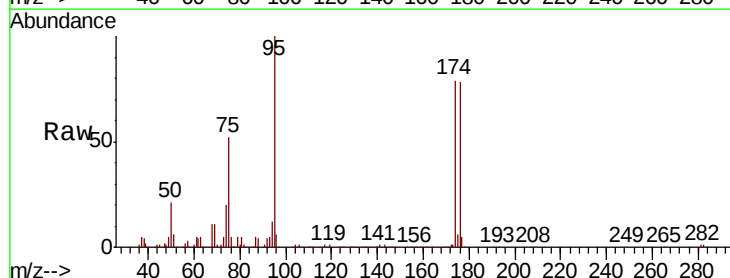
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



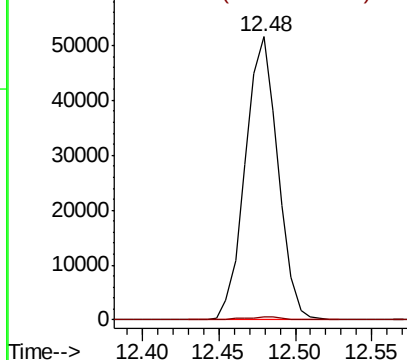
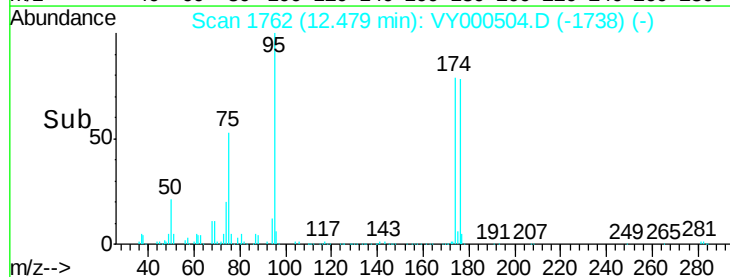
#76

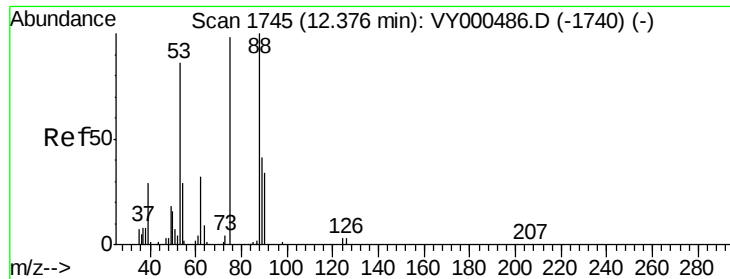
1,2,3-Trichloropropane
Concen: 45.086 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000504.D
Acq: 31 Oct 2019 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 101.089 ug/l

RT: 12.48 min Scan# 1762

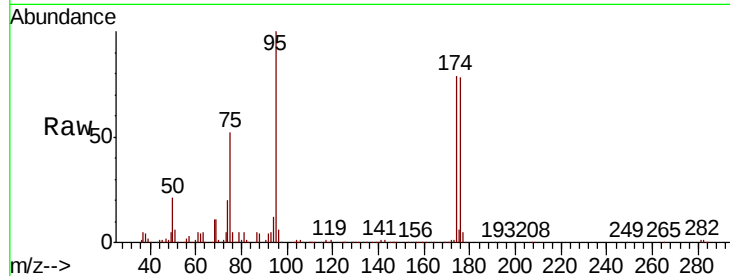
Delta R.T. 0.10 min

Lab File: VY000504.D

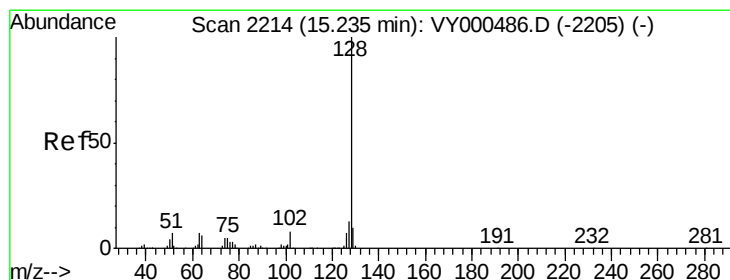
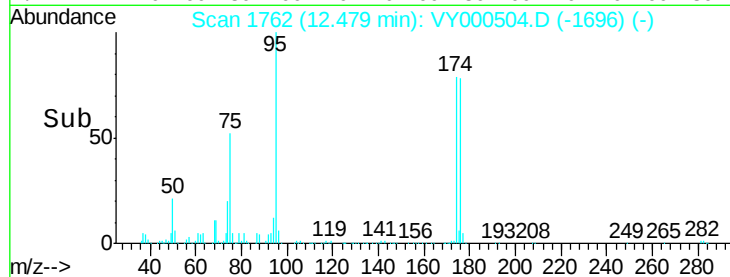
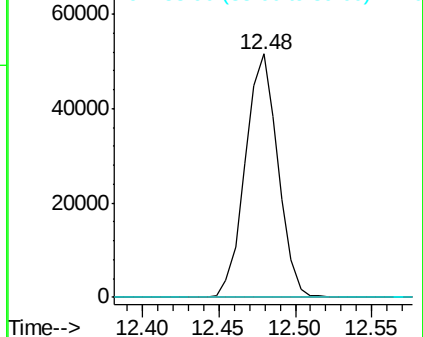
Acq: 31 Oct 2019 14:39

Tot Ion: 75 Resp: 76474

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



#95

Naphthalene

Concen: 1.328 ug/l

RT: 15.23 min Scan# 2213

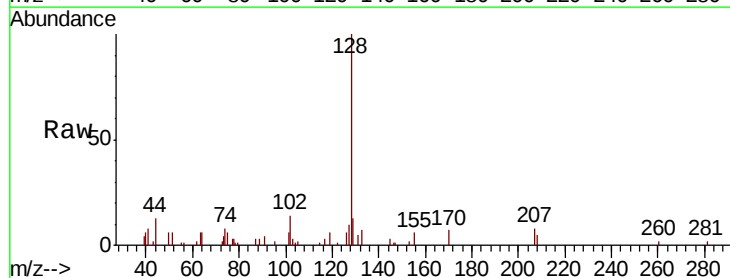
Delta R.T. -0.01 min

Lab File: VY000504.D

Acq: 31 Oct 2019 14:39

Tgt Ion: 128 Resp: 8905

Ion	Ratio	Lower	Upper
128	100		
127	14.4	9.8	14.6
129	13.4	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

