

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000630.D
 Acq On : 08 Nov 2019 20:01
 Operator : SY/MD
 Sample : K5722-05RE
 Misc : 6.60G/5ML/MSVOA Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 5-A

Quant Time: Nov 11 04:47:09 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	209481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	377927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	342944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	158421	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	131380	60.60	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.20%	
35) Dibromofluoromethane	7.73	113	104441	47.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.14%	
50) Toluene-d8	10.18	98	440781	52.36	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.48	95	155618	48.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.12%	

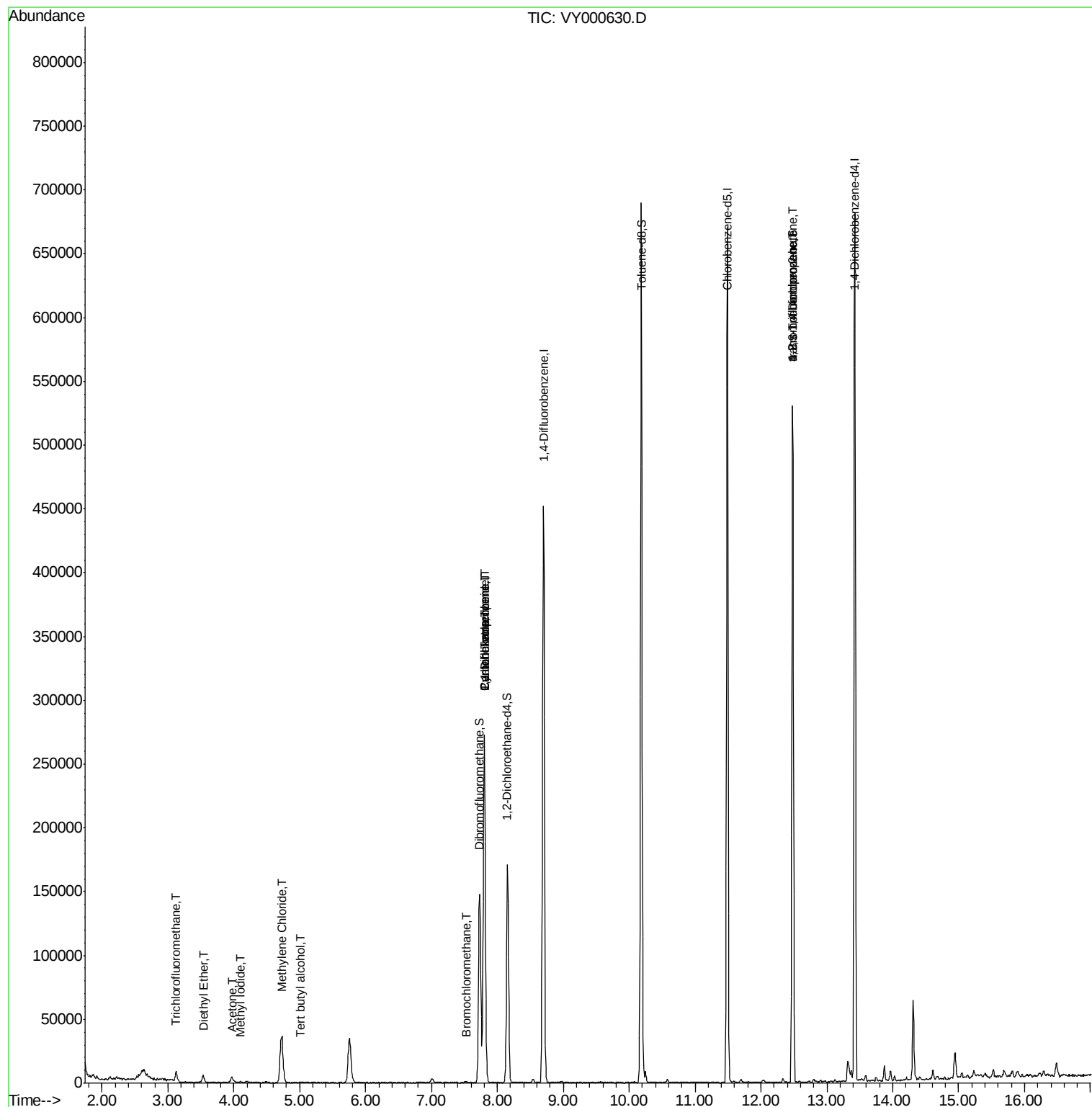
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	3.13	101	7741	2.173	ug/l	90
8) Diethyl Ether	3.54	74	2783	2.199	ug/l	86
10) Methyl Iodide	4.10	142	1206	3.598	ug/l #	45
11) Tert butyl alcohol	5.00	59	738	3.497	ug/l #	72
16) Acetone	3.97	43	7696	12.881	ug/l	93
20) Methylene Chloride	4.72	84	27551	10.761	ug/l	95
28) Bromochloromethane	7.53	49	22	4.104	ug/l #	14
31) Cyclohexane	7.81	56	5007	1.193	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	16575	4.639	ug/l #	49
38) Carbon Tetrachloride	7.80	117	20918	6.085	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	82857	45.934	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	82857	102.989	ug/l #	13

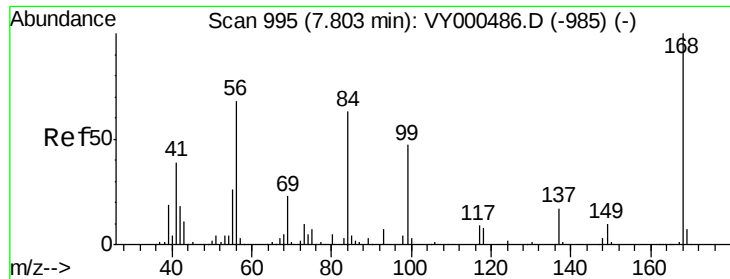
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

Instrument :

MSVOA_Y

ClientSampleId :

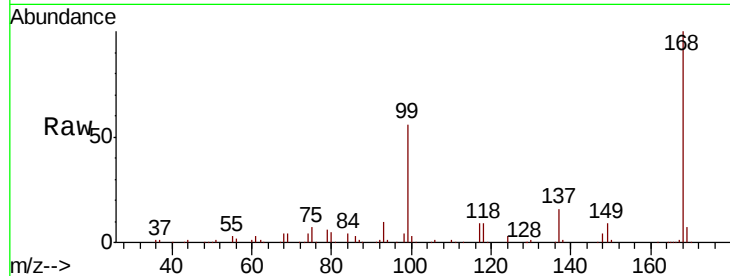
5-A

Tot Ion:168 Resp: 209481

Ion Ratio Lower Upper

168 100

99 56.0 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

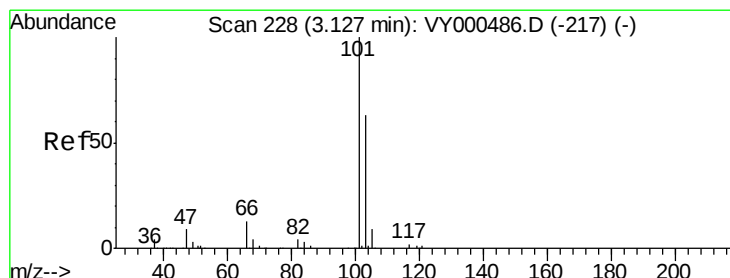
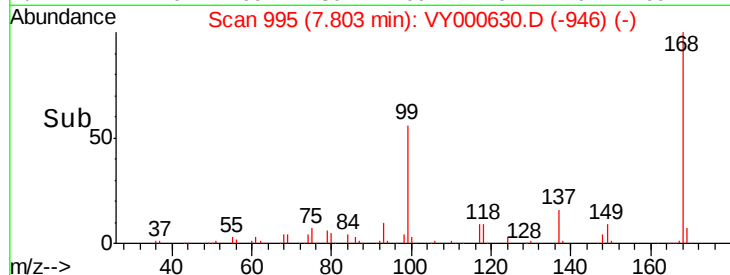
40000

20000

0

Time-->

7.70 7.80 7.90



#7

Trichlorofluoromethane

Concen: 2.173 ug/l

RT: 3.13 min Scan# 228

Delta R.T. -0.00 min

Lab File: VY000630.D

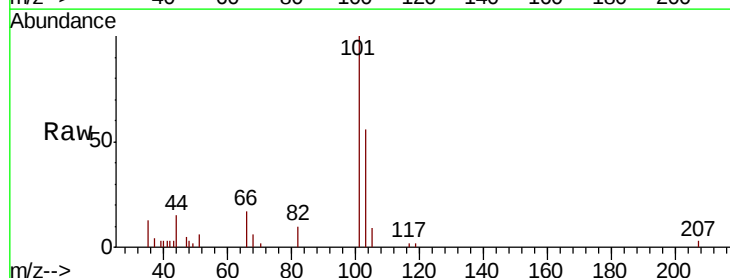
Acq: 08 Nov 2019 20:01

Tgt Ion:101 Resp: 7741

Ion Ratio Lower Upper

101 100

103 55.6 50.5 75.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.13

4000

3000

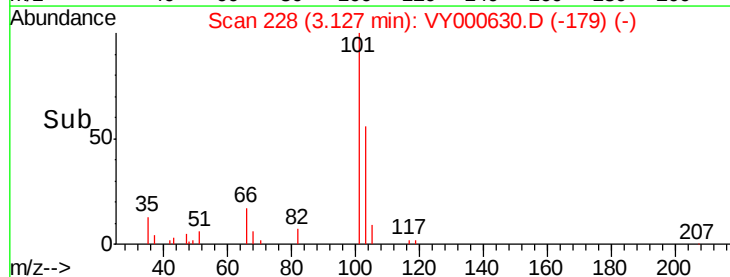
2000

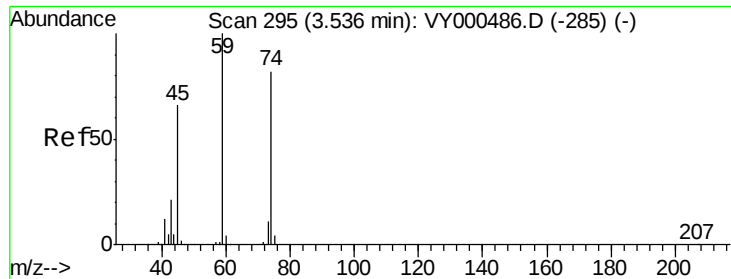
1000

0

Time-->

3.05 3.10 3.15 3.20





#8

Diethyl Ether

Concen: 2.199 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

Instrument :

MSVOA_Y

ClientSampleId :

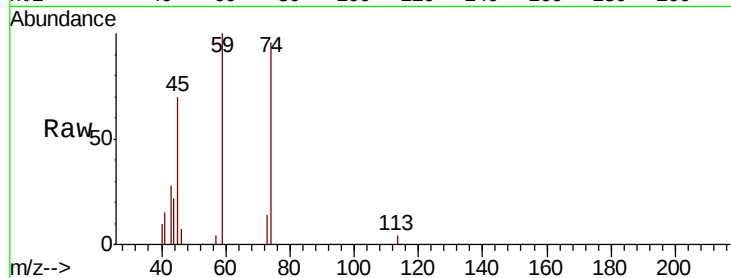
5-A

Tot Ion: 74 Resp: 2783

Ion Ratio Lower Upper

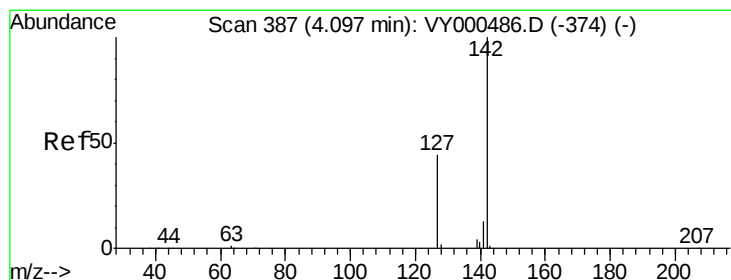
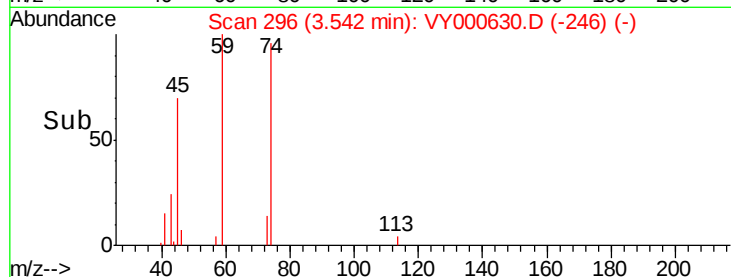
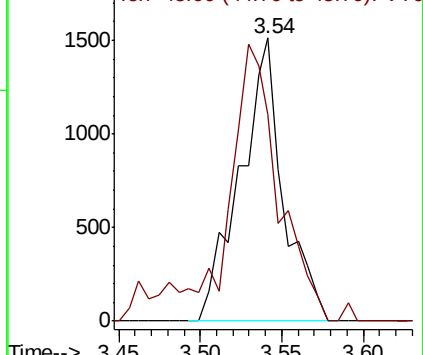
74 100

45 103.8 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000630.D (-296) (-)

Ion 45.00 (44.70 to 45.70): VY000630.D (-296) (-)



#10

Methyl Iodide

Concen: 3.598 ug/l

RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

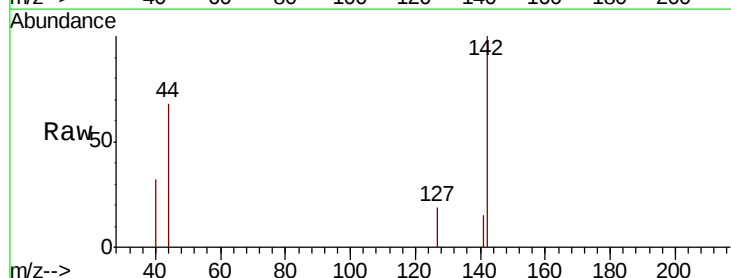
Tgt Ion: 142 Resp: 1206

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

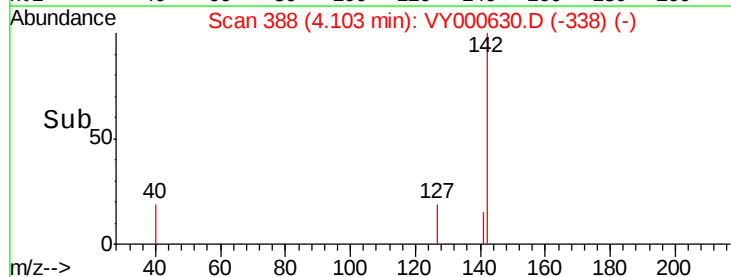
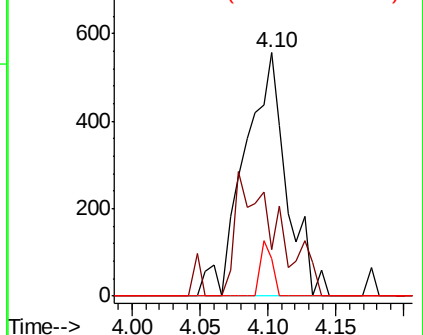
141 6.5 10.9 16.3#

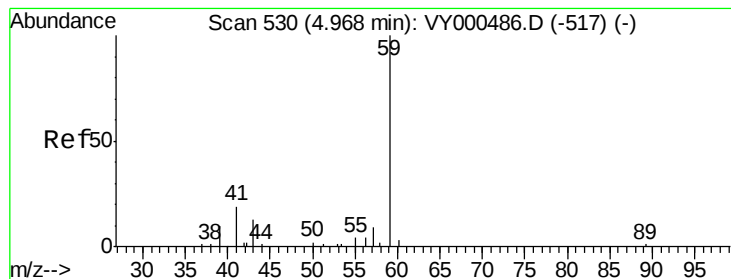


Abundance Ion 141.80 (141.50 to 142.50): VY000630.D (-388) (-)

Ion 126.80 (126.50 to 127.50): VY000630.D (-388) (-)

Ion 140.80 (140.50 to 141.50): VY000630.D (-388) (-)



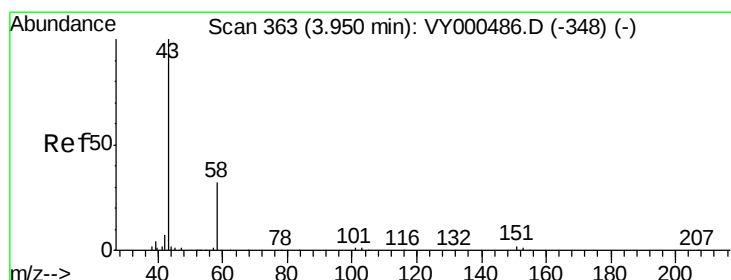
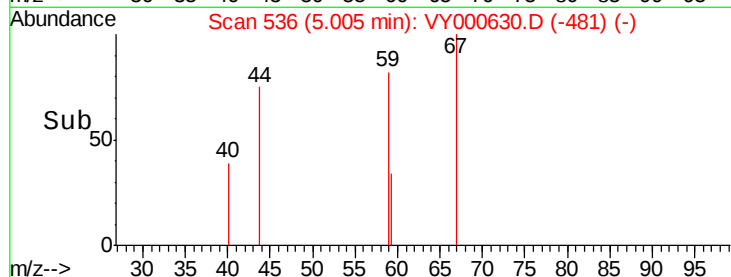
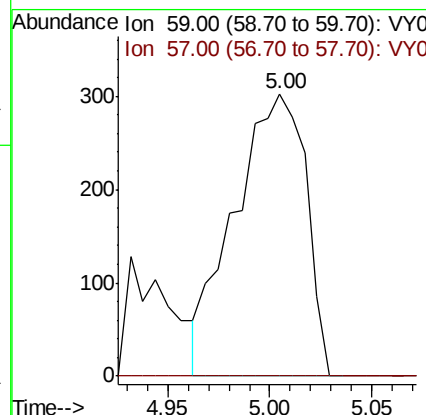
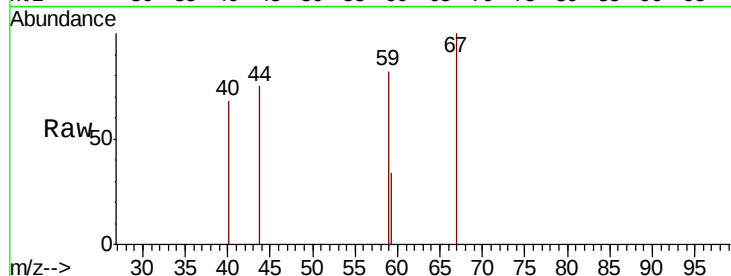


#11

Tert butyl alcohol
 Concen: 3.497 ug/l
 RT: 5.00 min Scan# 536
 Delta R.T. 0.04 min
 Lab File: VY000630.D
 Acq: 08 Nov 2019 20:01

Instrument :
 MSVOA_Y
 ClientSampled :
 5-A

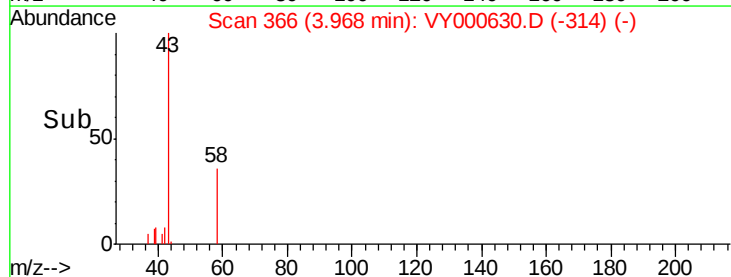
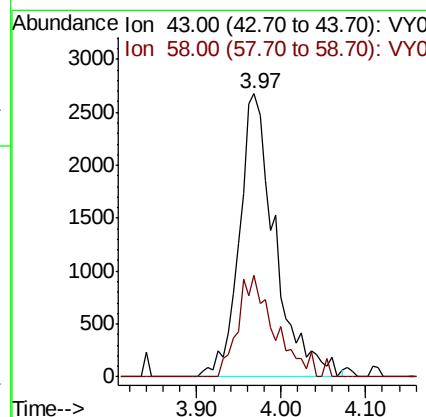
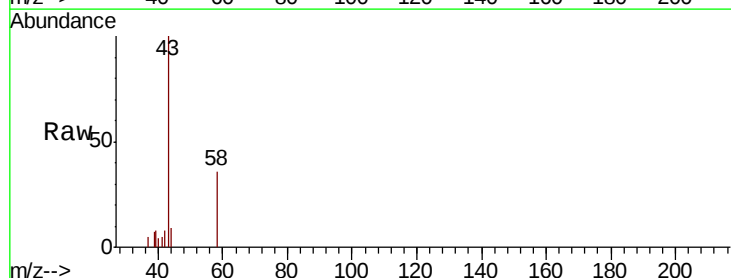
Tot Ion: 59 Resp: 738
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

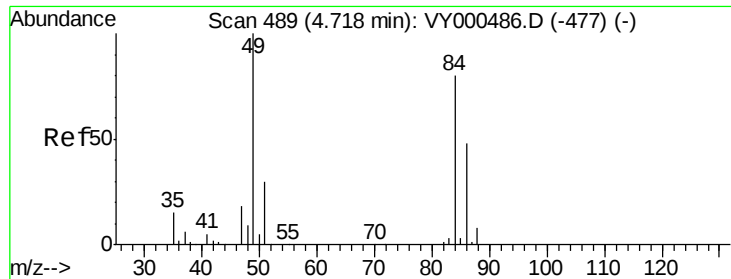


#16

Acetone
 Concen: 12.881 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VY000630.D
 Acq: 08 Nov 2019 20:01

Tgt Ion: 43 Resp: 7696
 Ion Ratio Lower Upper
 43 100
 58 35.9 25.8 38.6

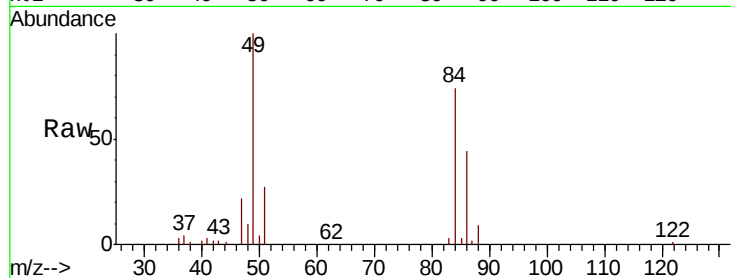




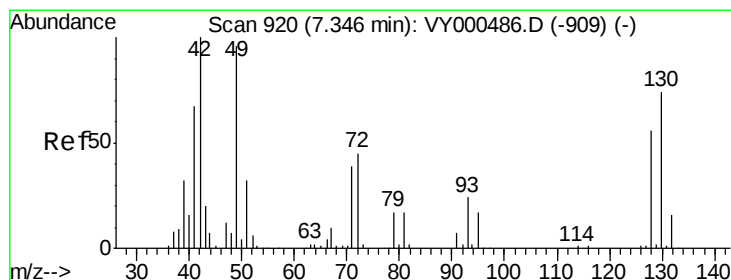
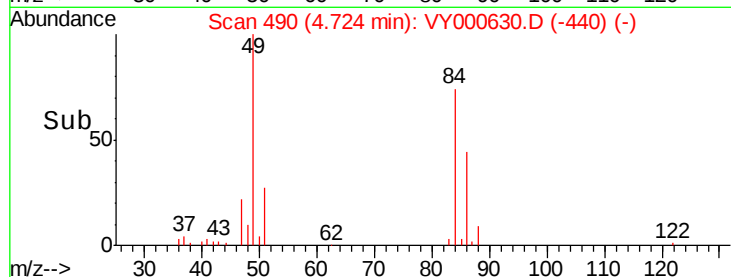
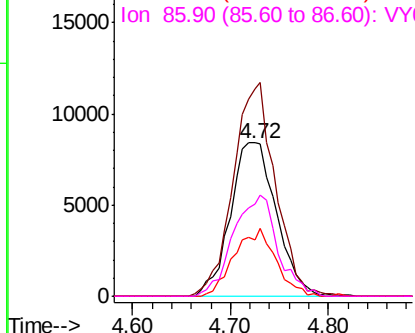
#20
Methvlene Chloride
Concen: 10.761 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000630.D
Acq: 08 Nov 2019 20:01

Instrument :
MSVOA_Y
ClientSampled :
5-A

Tot Ion:	84	Resp:	27551
Ion	Ratio	Lower	Upper
84	100		
49	135.2	100.2	150.4
51	36.3	29.6	44.4
86	60.0	48.3	72.5

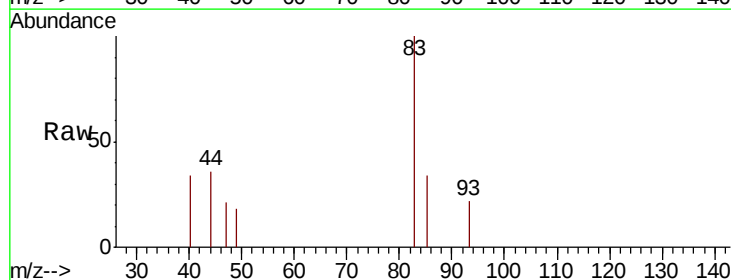


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

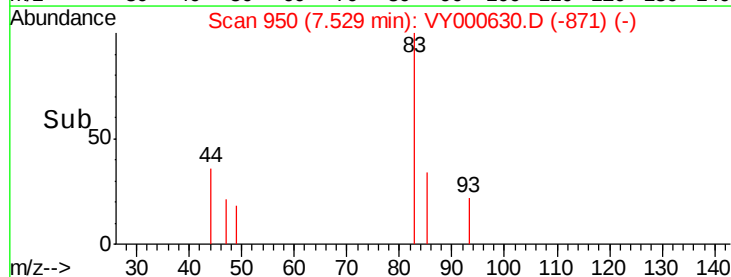
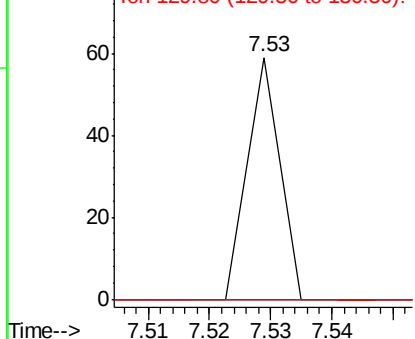


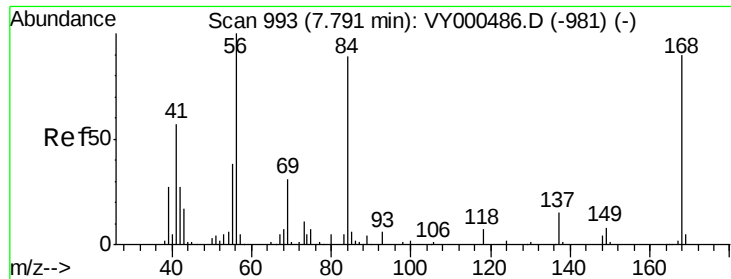
#28
Bromochloromethane
Concen: 4.104 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.18 min
Lab File: VY000630.D
Acq: 08 Nov 2019 20:01

Tgt Ion:	49	Resp:	22
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): V
Ion 129.80 (129.50 to 130.50): V

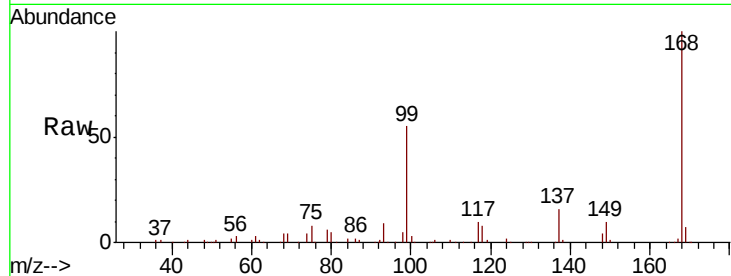




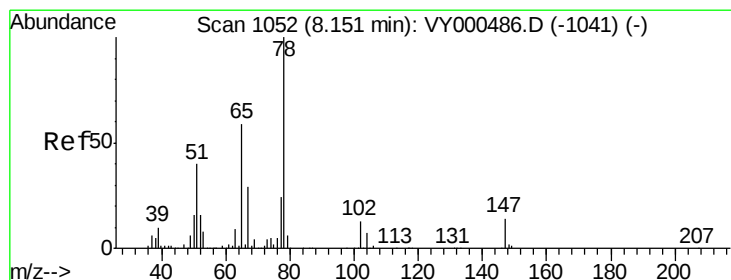
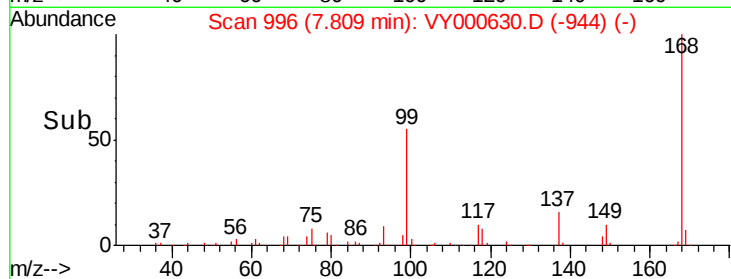
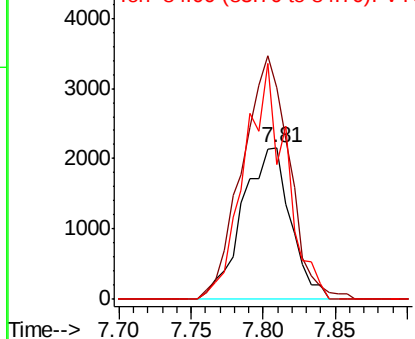
#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.81 min Scan# 996
Delta R.T. 0.02 min
Lab File: VY000630.D
Acq: 08 Nov 2019 20:01

Instrument :
MSVOA_Y
ClientSampled :
5-A

Tot Ion: 56 Resp: 5007
Ion Ratio Lower Upper
56 100
69 139.8 25.0 37.6#
84 89.2 71.4 107.2

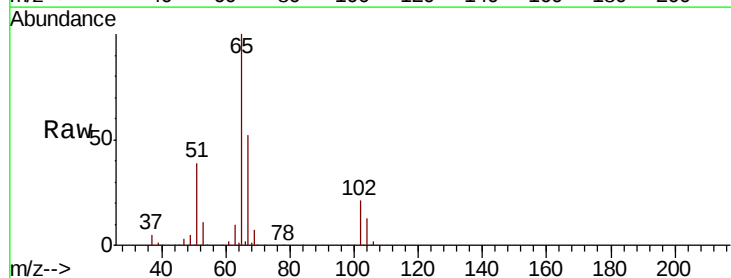


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

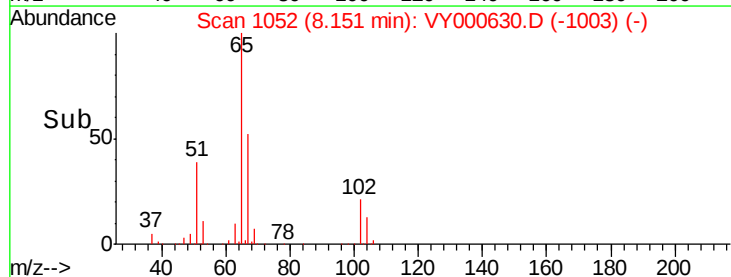
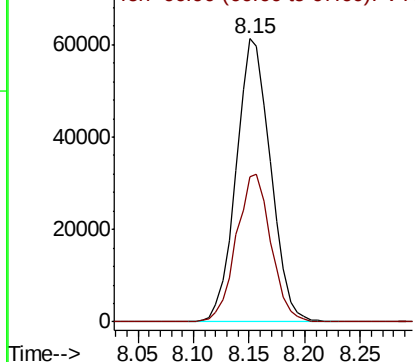


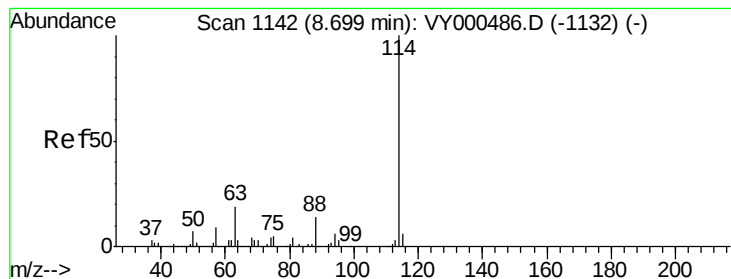
#33
1,2-Dichloroethane-d4
Concen: 60.604 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000630.D
Acq: 08 Nov 2019 20:01

Tgt Ion: 65 Resp: 131380
Ion Ratio Lower Upper
65 100
67 52.7 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: VY000630.D

Acq: 08 Nov 2019 20:01

Instrument :

MSVOA_Y

ClientSampleId :

5-A

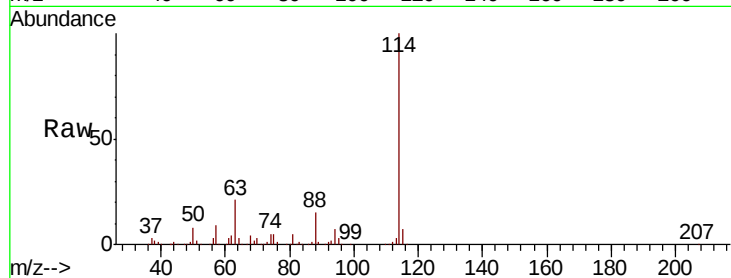
Tot Ion:114 Resp: 377927

Ion Ratio Lower Upper

114 100

63 20.6 0.0 38.0

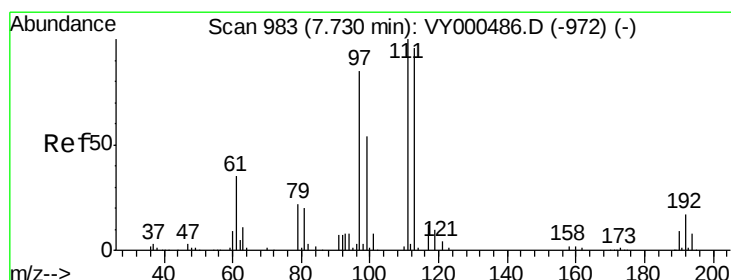
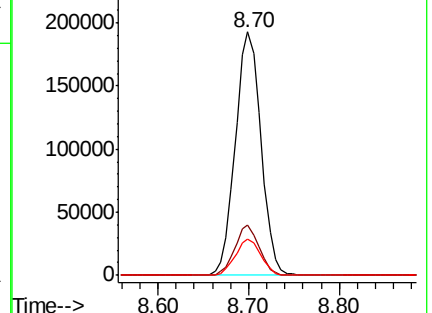
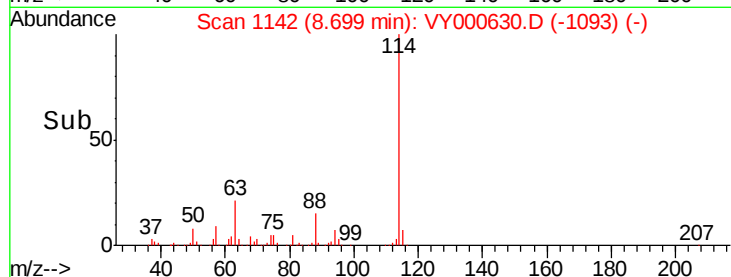
88 14.9 0.0 28.6



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: 47.074 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

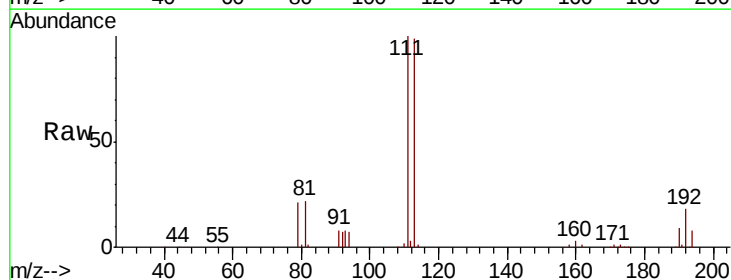
Tgt Ion:113 Resp: 104441

Ion Ratio Lower Upper

113 100

111 103.2 81.7 122.5

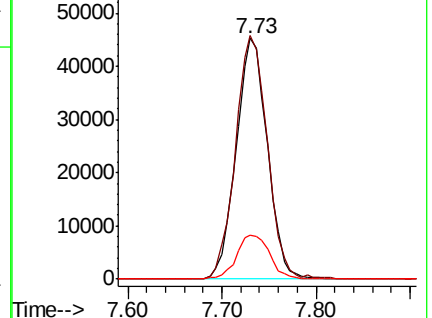
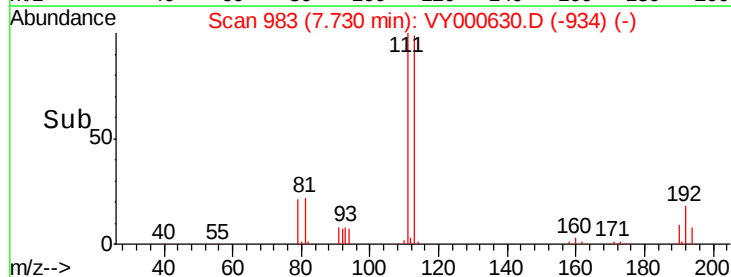
192 19.3 15.0 22.4

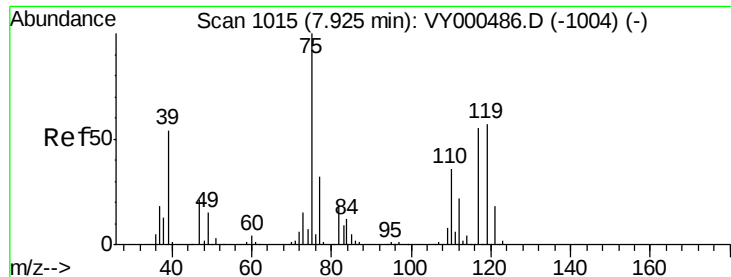


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.639 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

Instrument :

MSVOA_Y

ClientSampled :

5-A

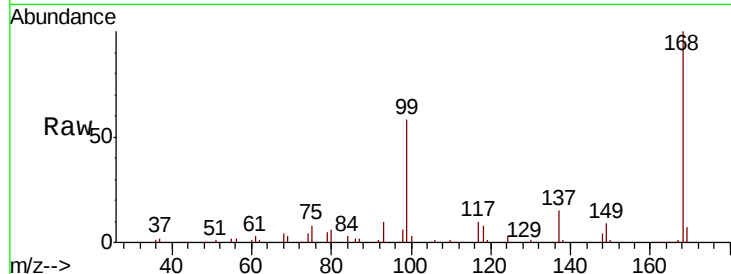
Tot Ion: 75 Resp: 16575

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

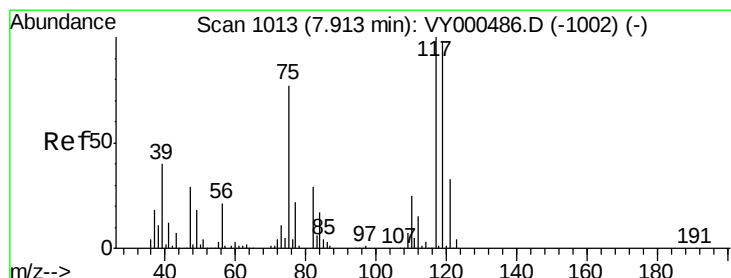
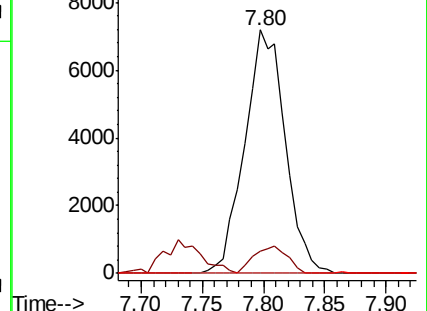
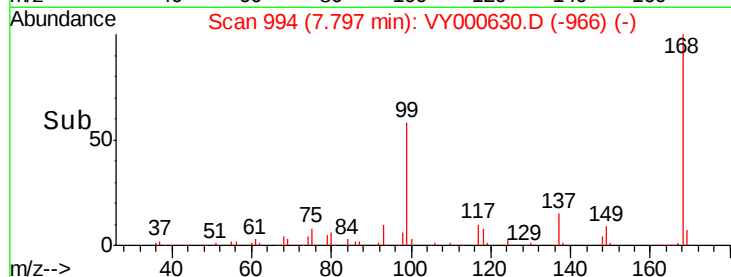
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VY000630.D (-966) (-)

Ion 109.90 (109.60 to 110.60): VY000630.D (-966) (-)

Ion 76.90 (76.60 to 77.60): VY000630.D (-966) (-)



#38

Carbon Tetrachloride

Concen: 6.085 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.12 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

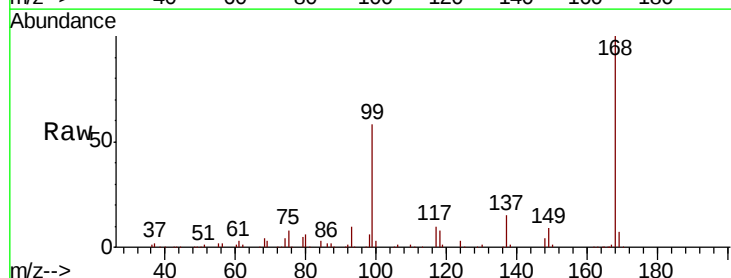
Tgt Ion: 117 Resp: 20918

Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

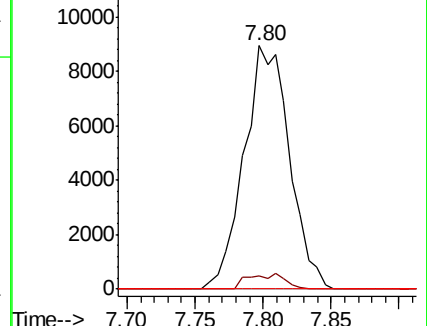
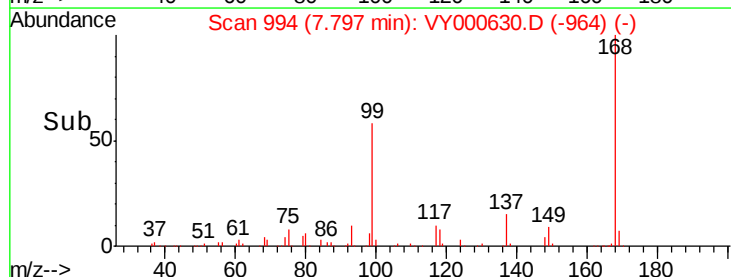
121 0.0 26.6 40.0#

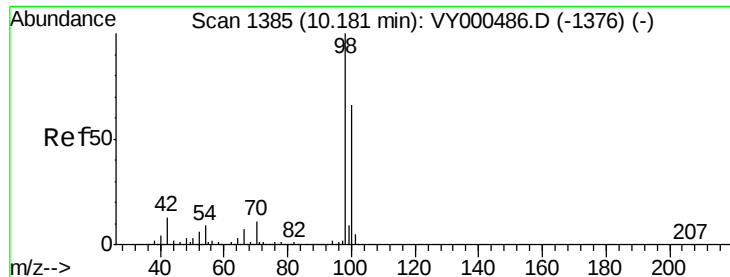


Abundance Ion 116.80 (116.50 to 117.50): VY000630.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000630.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000630.D (-964) (-)





#50

Toluene-d8

Concen: 52.357 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

Instrument :

MSVOA_Y

ClientSampleId :

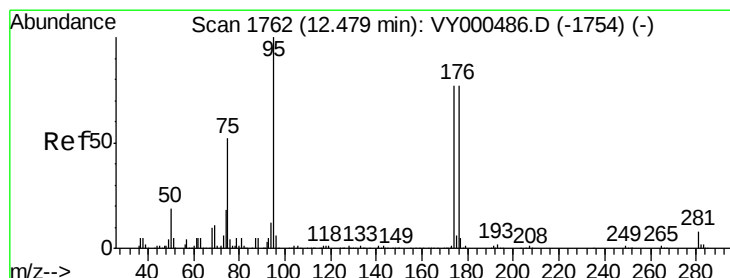
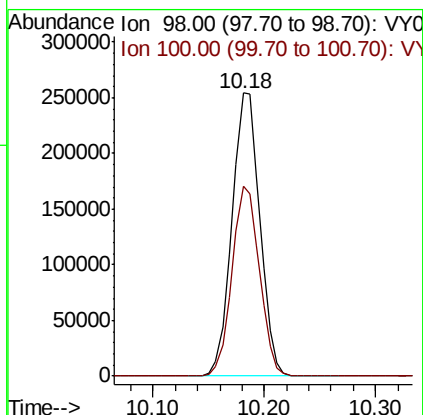
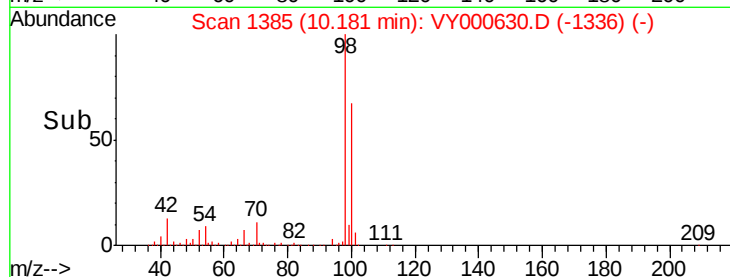
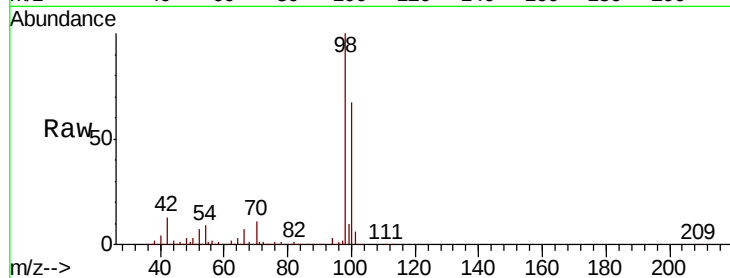
5-A

Tot Ion: 98 Resp: 440781

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 48.556 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

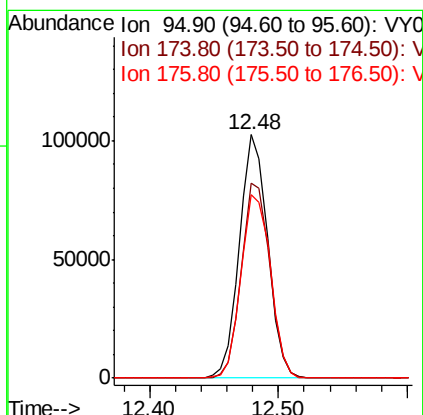
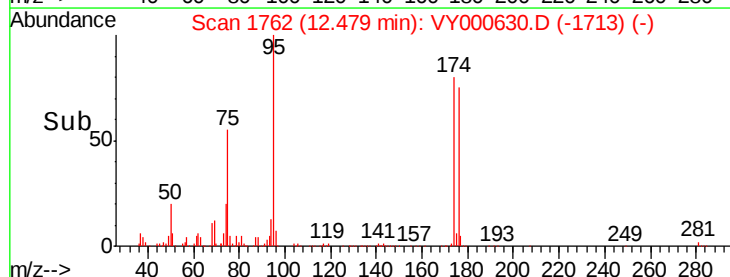
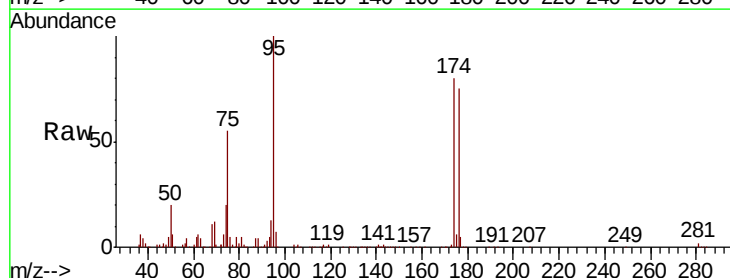
Tgt Ion: 95 Resp: 155618

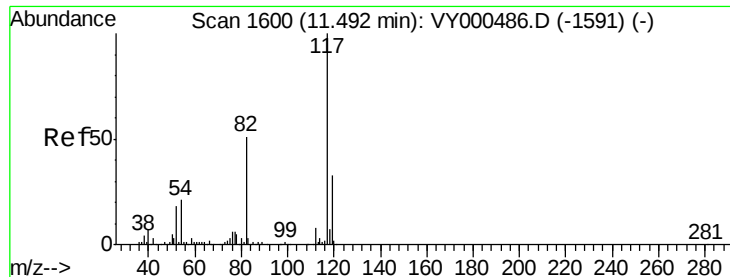
Ion Ratio Lower Upper

95 100

174 80.9 0.0 161.6

176 78.6 0.0 157.8

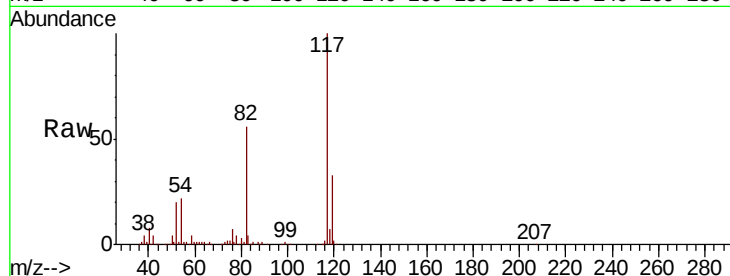




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000630.D
Acq: 08 Nov 2019 20:01

Instrument :
MSVOA_Y
ClientSampleId :
5-A

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.8	40.8	61.2
119	33.2	26.2	39.2

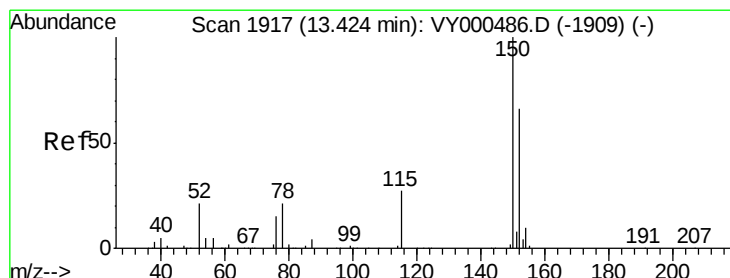
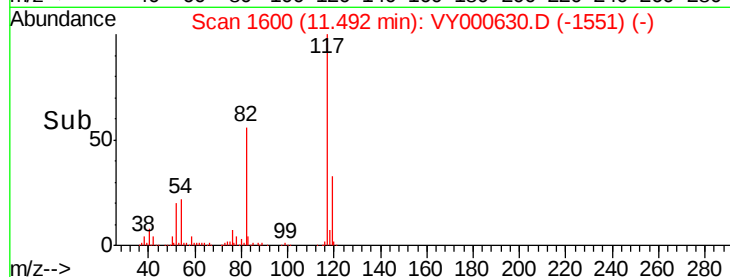
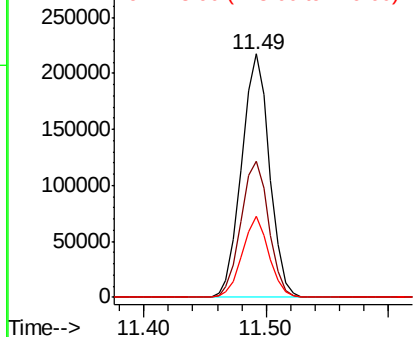


Abundance

Ion 116.90 (116.60 to 117.60): V

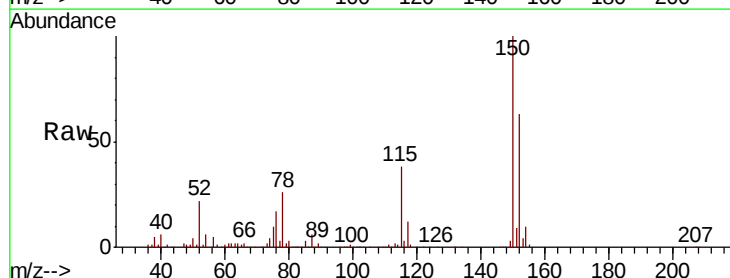
Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000630.D
Acq: 08 Nov 2019 20:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	29.1	87.4
150	157.3	0.0	348.8

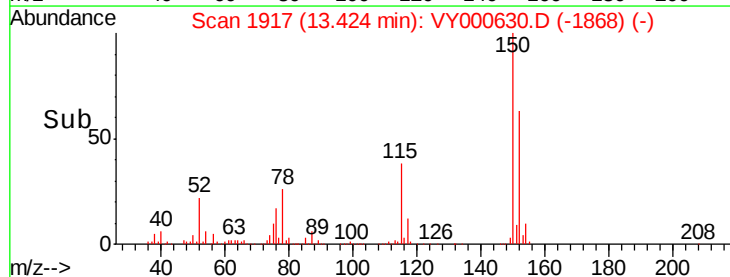
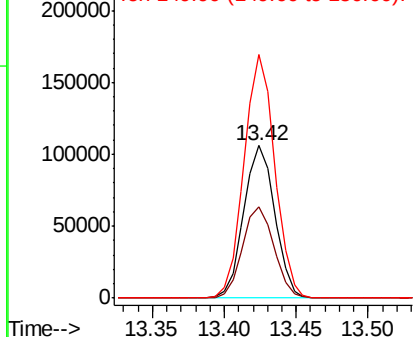


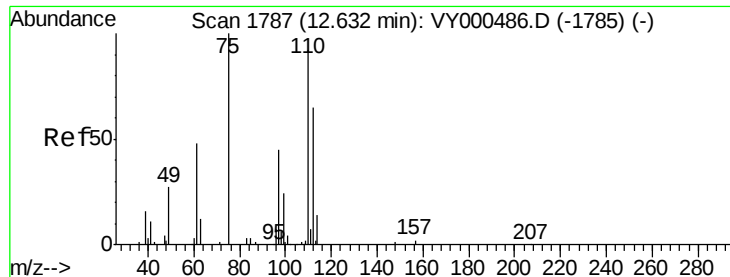
Abundance

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: 45.934 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

Instrument :

MSVOA_Y

ClientSampleId :

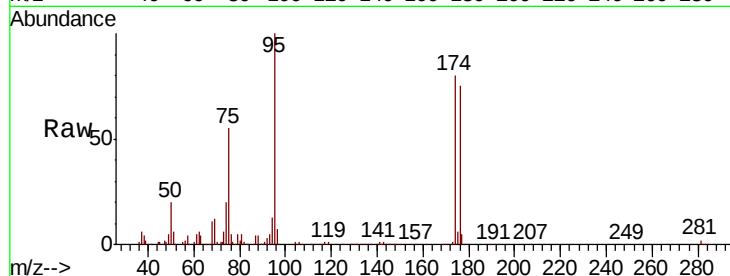
5-A

Tot Ion: 75 Resp: 82857

Ion Ratio Lower Upper

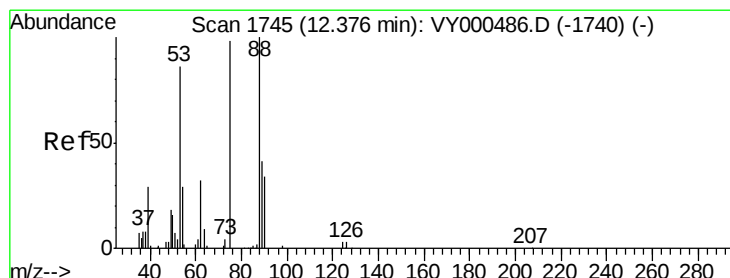
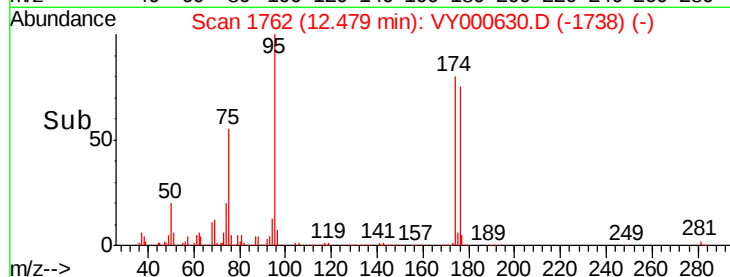
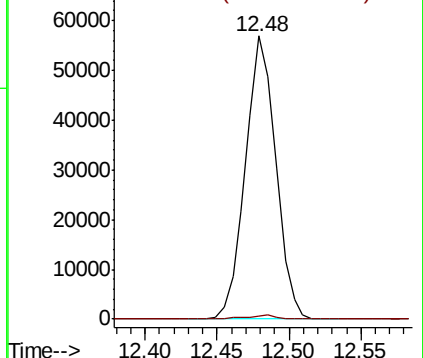
75 100

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: 102.989 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000630.D

Acq: 08 Nov 2019 20:01

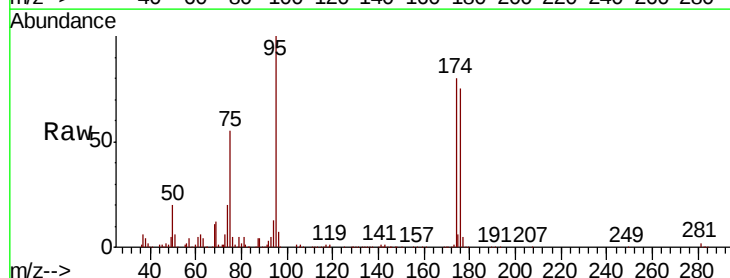
Tgt Ion: 75 Resp: 82857

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

