

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
 Data File : VY000631.D
 Acq On : 08 Nov 2019 20:23
 Operator : SY/MD
 Sample : K5722-06RE
 Misc : 5.76G/5ML/MSVOA Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 5-B

Quant Time: Nov 11 04:47:20 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	216432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	389760	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	348869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	160916	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	128260	57.26	ug/l	0.00
Spiked Amount						
			Recovery	=	114.52%	
35) Dibromofluoromethane	7.73	113	95557	41.76	ug/l	0.00
Spiked Amount						
			Recovery	=	83.52%	
50) Toluene-d8	10.18	98	452496	52.12	ug/l	0.00
Spiked Amount						
			Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.48	95	157673	47.70	ug/l	0.00
Spiked Amount						
			Recovery	=	95.40%	

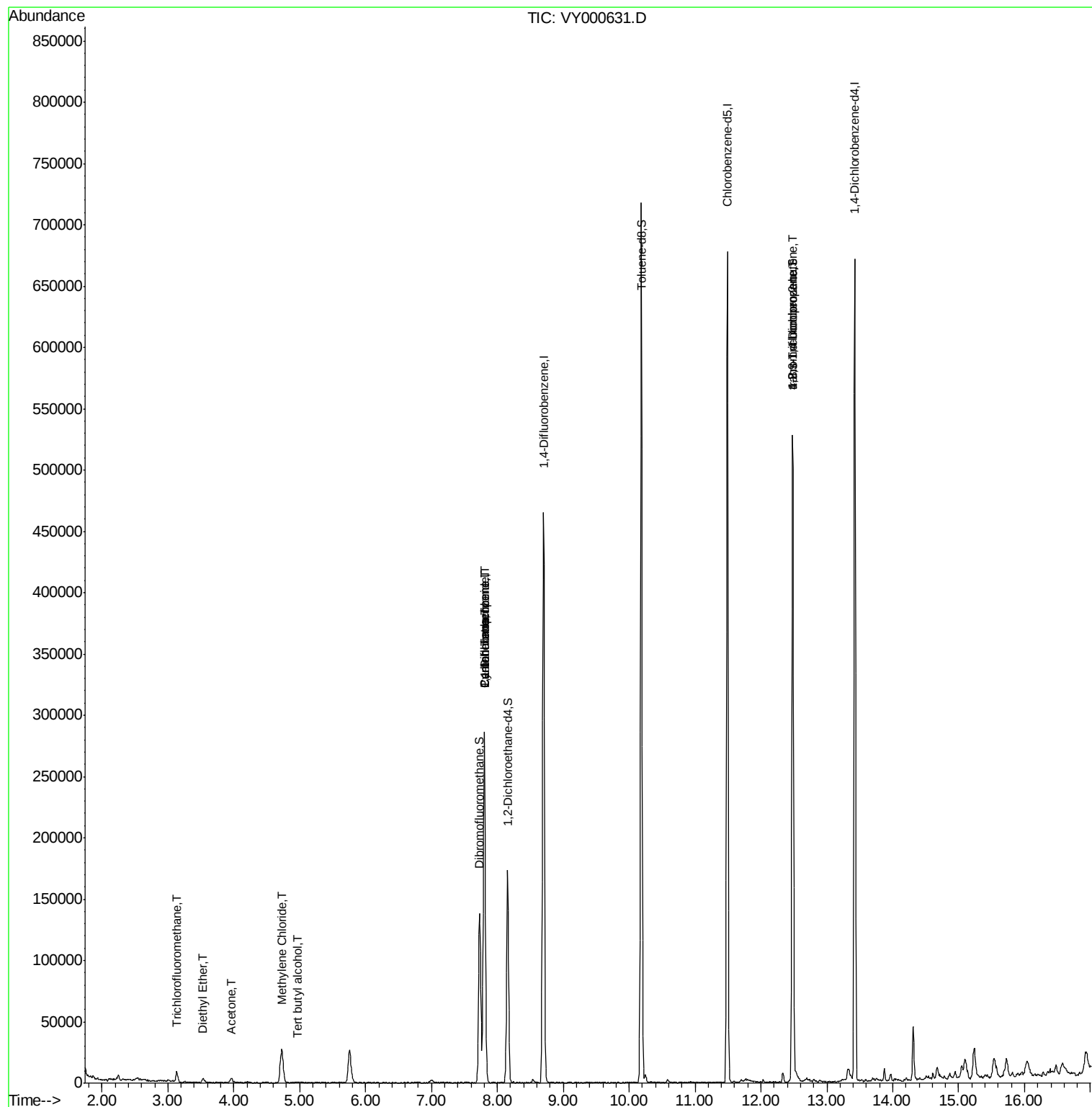
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	3.13	101	8190	2.225	ug/l	92
8) Diethyl Ether	3.53	74	2139	1.636	ug/l	92
11) Tert butyl alcohol	4.97	59	409	1.876	ug/l #	72
16) Acetone	3.96	43	6316	10.231	ug/l	97
20) Methylene Chloride	4.72	84	20283	7.668	ug/l	86
31) Cyclohexane	7.80	56	5099	1.176	ug/l #	5
36) 1,1-Dichloropropene	7.80	75	17948	4.871	ug/l #	49
38) Carbon Tetrachloride	7.80	117	21906	6.179	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	84929	46.352	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	84929	103.928	ug/l #	13

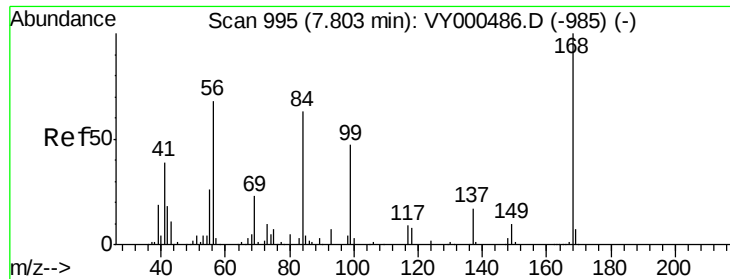
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY110819\
Data File : VY000631.D
Acq On : 08 Nov 2019 20:23
Operator : SY/MD
Sample : K5722-06RE
Misc : 5.76G/5ML/MSVOA Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
5-B

Quant Time: Nov 11 04:47:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
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# 995

Delta R.T. 0.00 min

Lab File: VY000631.D

Acq: 08 Nov 2019 20:23

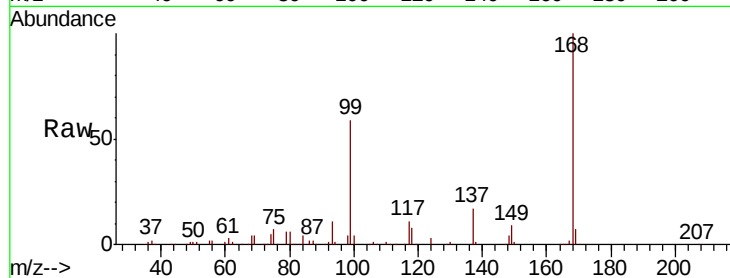
Instrument :
MSVOA_Y
ClientSampleId :
5-B

Tot Ion:168 Resp: 216432

Ion Ratio Lower Upper

168 100

99 58.6 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

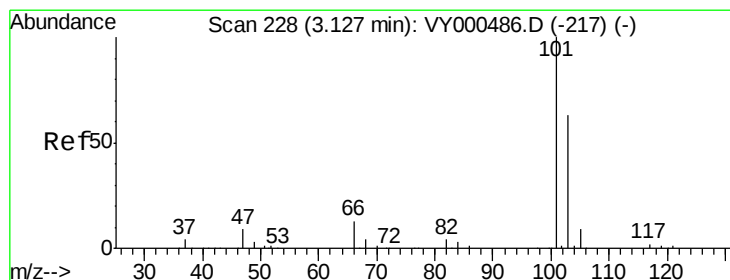
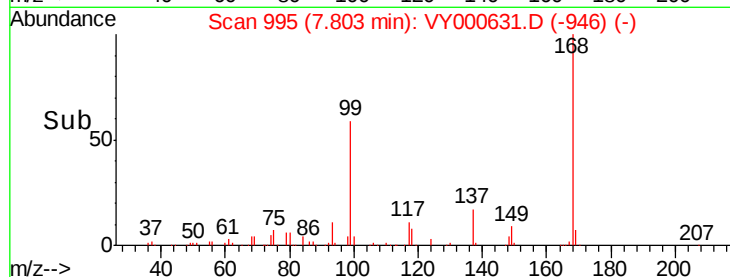
60000

40000

20000

0

Time-->



#7

Trichlorofluoromethane

Concen: 2.225 ug/l

RT: 3.13 min Scan# 229

Delta R.T. 0.01 min

Lab File: VY000631.D

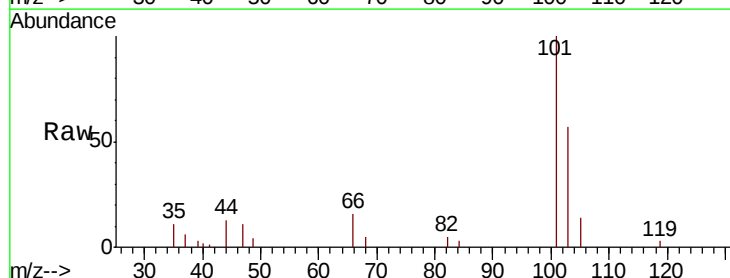
Acq: 08 Nov 2019 20:23

Tgt Ion:101 Resp: 8190

Ion Ratio Lower Upper

101 100

103 56.8 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

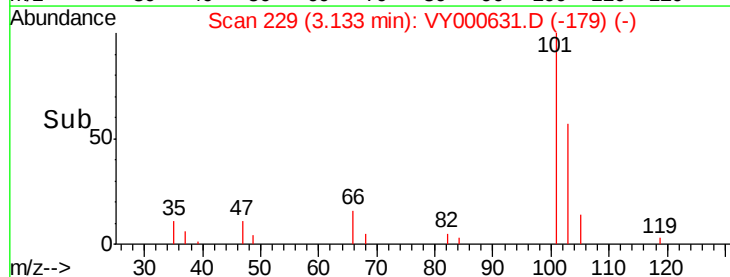
3000

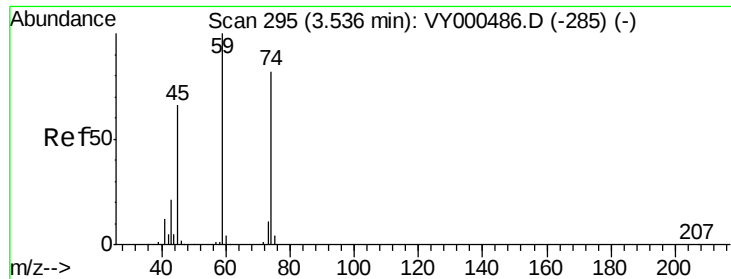
2000

1000

0

Time-->





#8

Diethyl Ether

Concen: 1.636 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000631.D

Acq: 08 Nov 2019 20:23

Instrument :

MSVOA_Y

ClientSampleId :

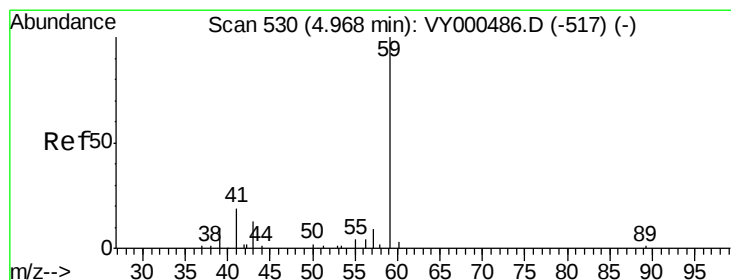
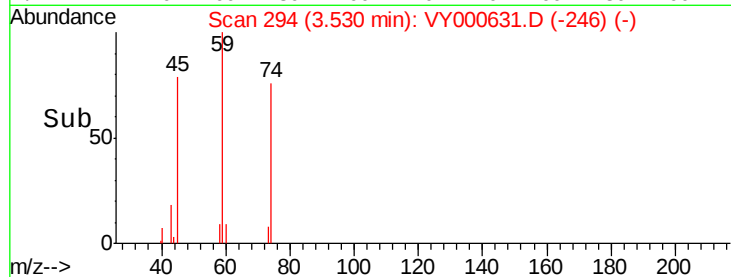
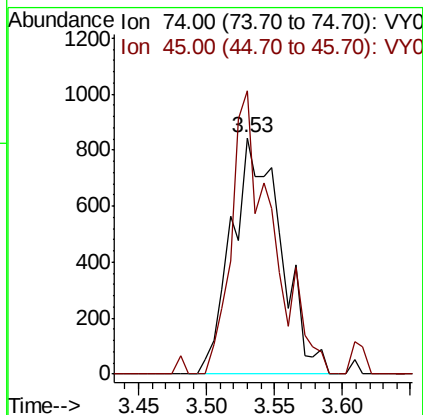
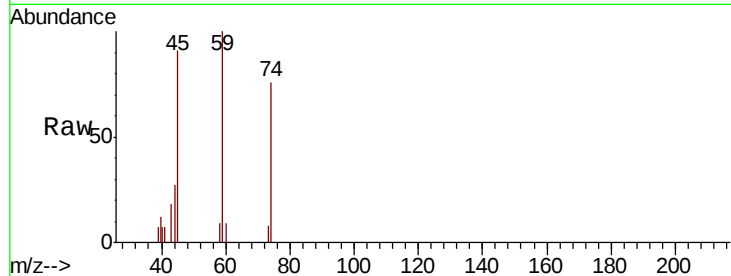
5-B

Tot Ion: 74 Resp: 2139

Ion Ratio Lower Upper

74 100

45 98.3 45.5 136.4



#11

Tert butyl alcohol

Concen: 1.876 ug/l

RT: 4.97 min Scan# 531

Delta R.T. 0.01 min

Lab File: VY000631.D

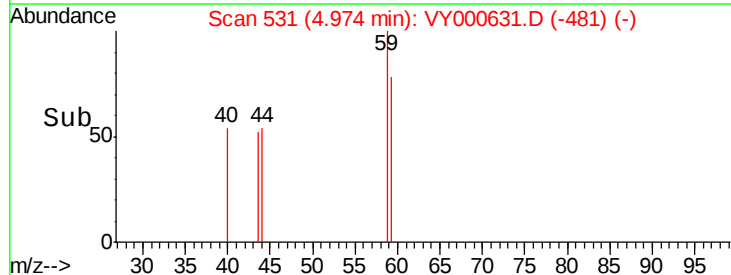
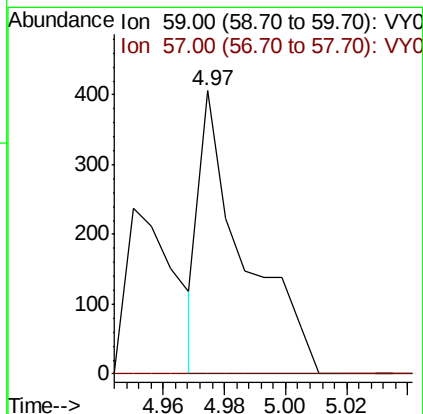
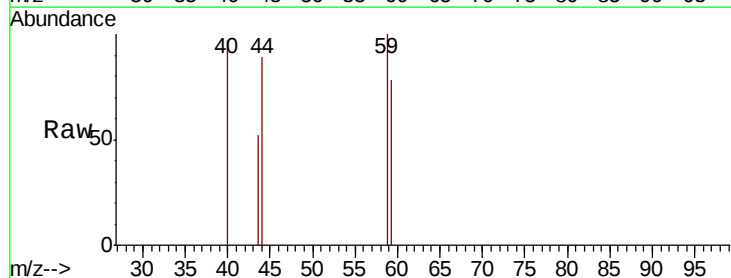
Acq: 08 Nov 2019 20:23

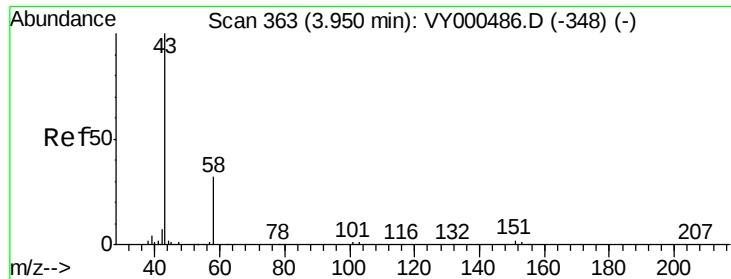
Tgt Ion: 59 Resp: 409

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#16

Acetone

Concen: 10.231 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000631.D

Acq: 08 Nov 2019 20:23

Instrument :

MSVOA_Y

ClientSampleId :

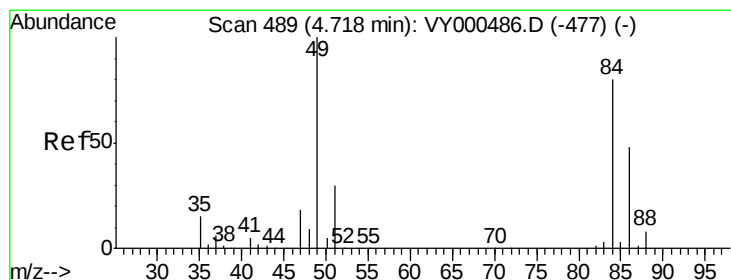
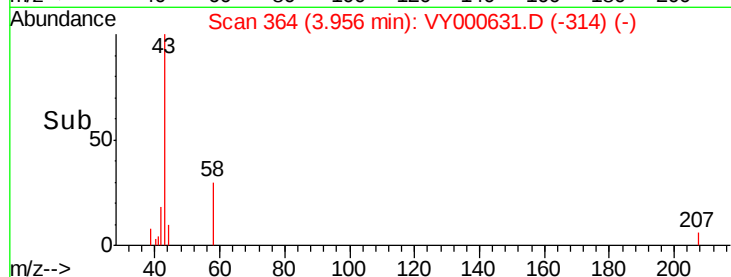
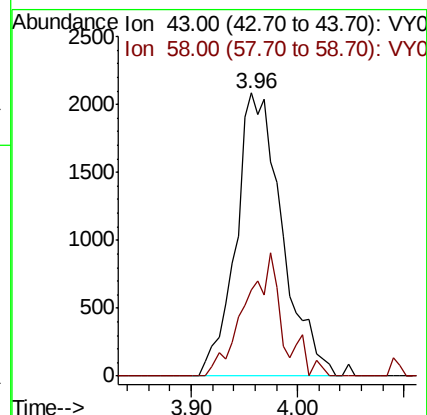
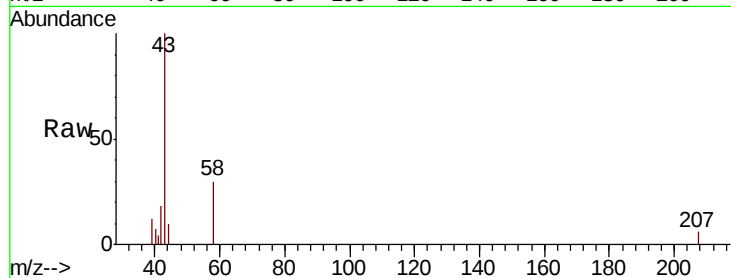
5-B

Tot Ion: 43 Resp: 6316

Ion Ratio Lower Upper

43 100

58 30.3 25.8 38.6



#20

Methylene Chloride

Concen: 7.668 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000631.D

Acq: 08 Nov 2019 20:23

Tgt Ion: 84 Resp: 20283

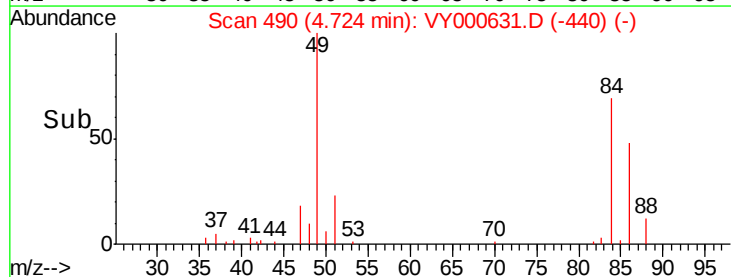
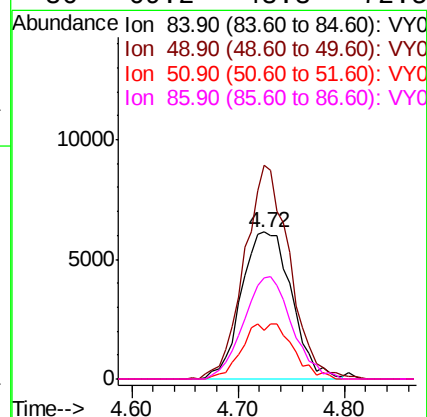
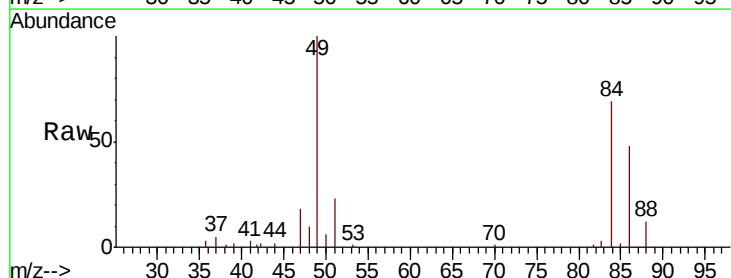
Ion Ratio Lower Upper

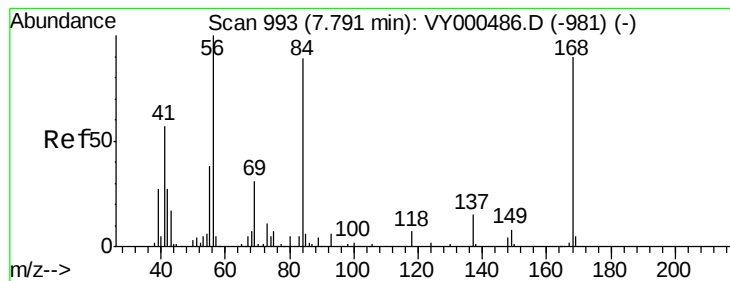
84 100

49 144.5 100.2 150.4

51 33.3 29.6 44.4

86 69.2 48.3 72.5





#31

Cyclohexane

Concen: 1.176 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY000631.D

Acq: 08 Nov 2019 20:23

Instrument :

MSVOA_Y

ClientSampleId :

5-B

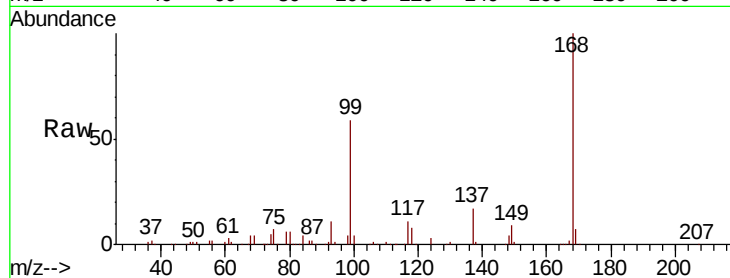
Tot Ion: 56 Resp: 5099

Ion Ratio Lower Upper

56 100

69 144.5 25.0 37.6#

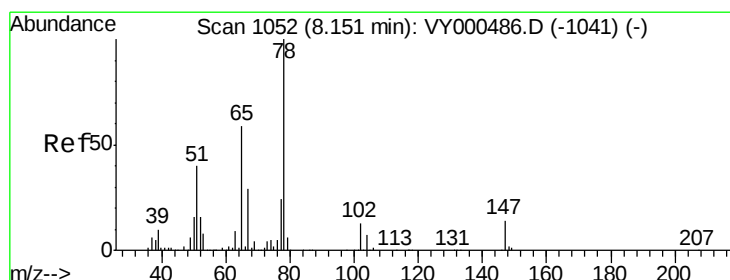
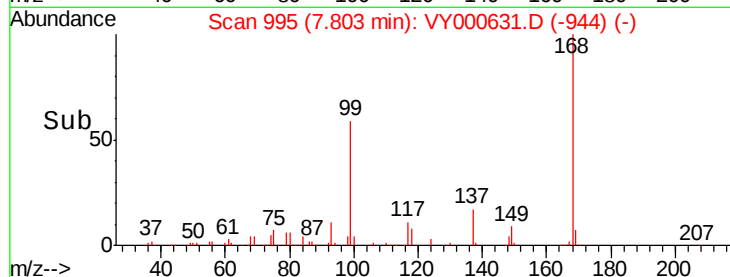
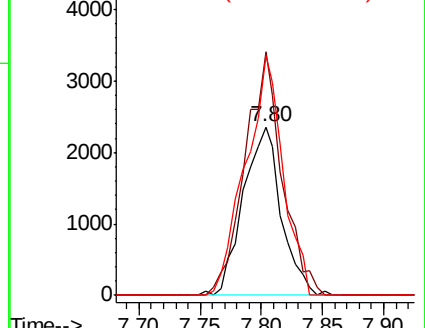
84 142.6 71.4 107.2#



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: 57.264 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000631.D

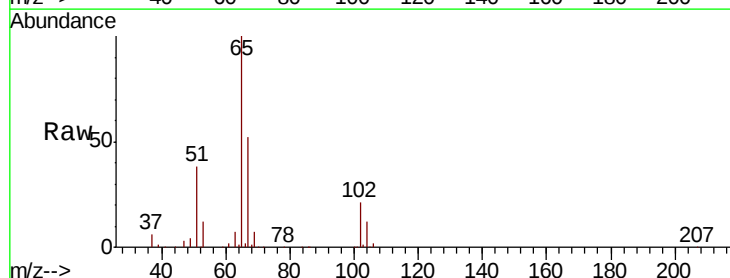
Acq: 08 Nov 2019 20:23

Tgt Ion: 65 Resp: 128260

Ion Ratio Lower Upper

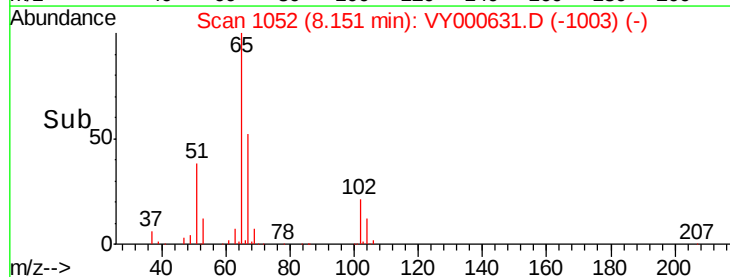
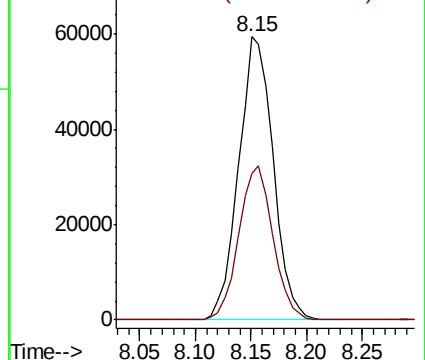
65 100

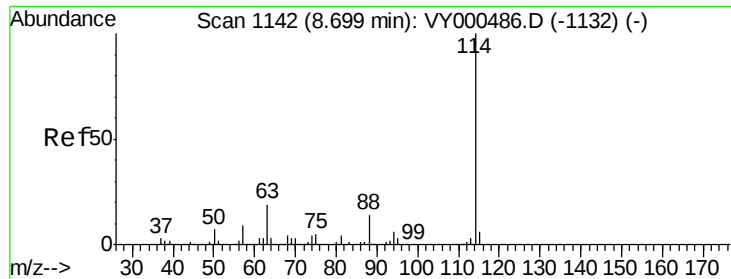
67 53.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

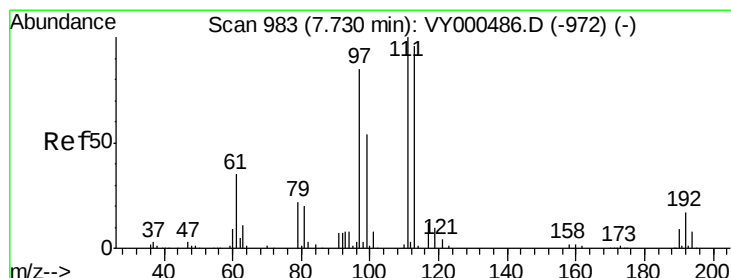
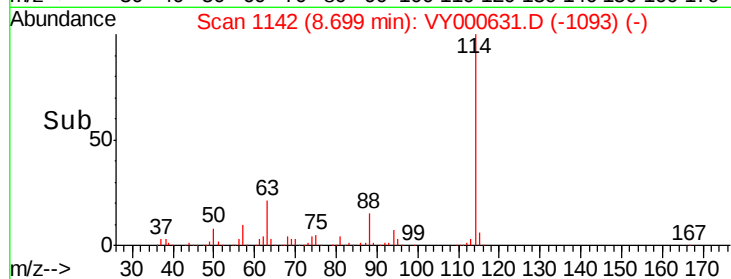
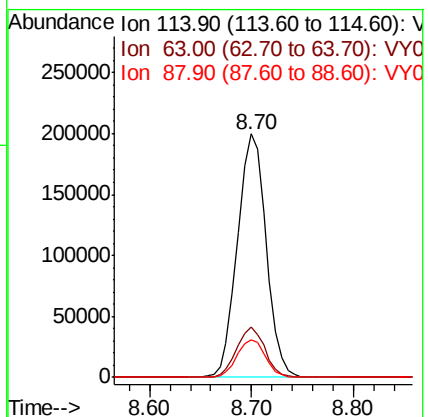
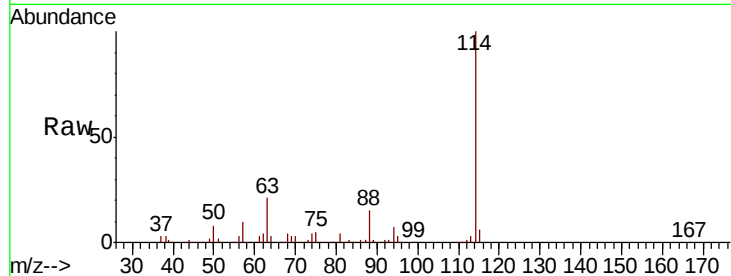




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.00 min
 Lab File: VY000631.D
 Acq: 08 Nov 2019 20:23

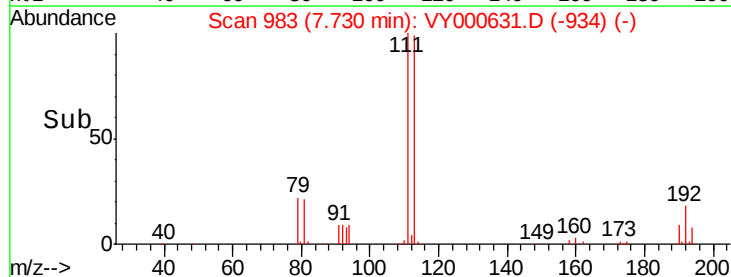
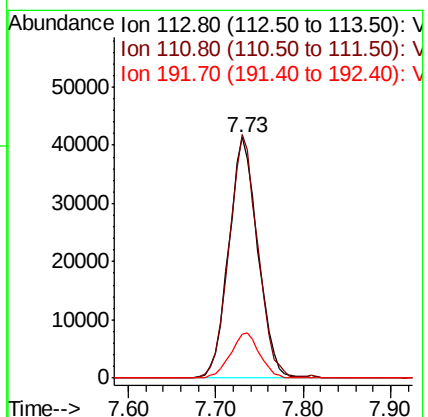
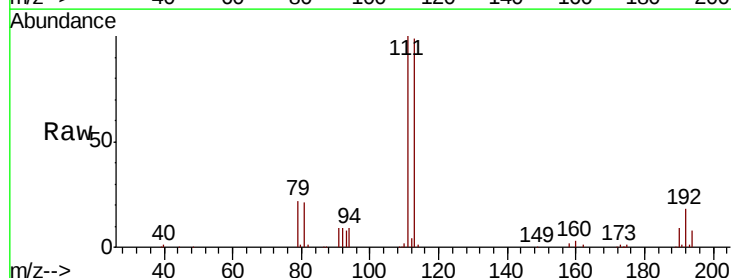
Instrument :
 MSVOA_Y
 ClientSampleId :
 5-B

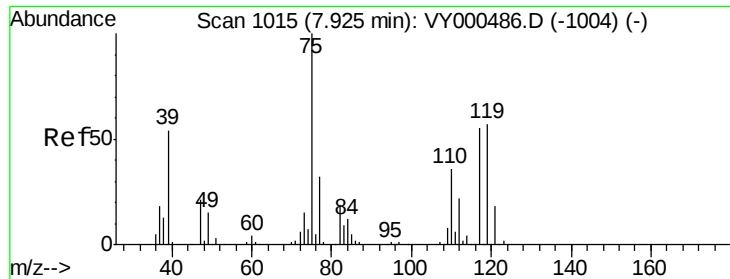
Tot Ion:114 Resp: 389760
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.0
 88 15.4 0.0 28.6



#35
 Dibromofluoromethane
 Concen: 41.762 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.00 min
 Lab File: VY000631.D
 Acq: 08 Nov 2019 20:23

Tgt Ion:113 Resp: 95557
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.7 122.5
 192 18.9 15.0 22.4

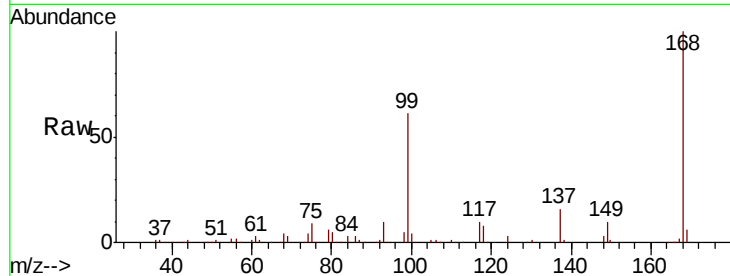




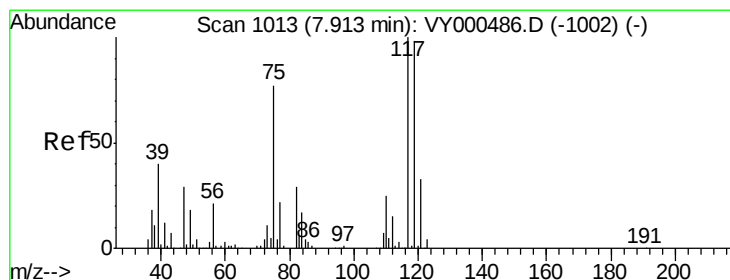
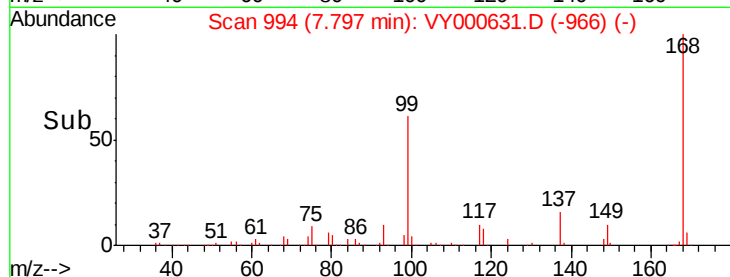
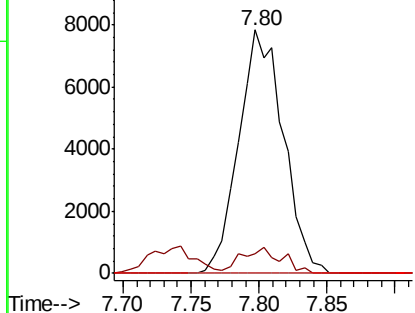
#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000631.D
 Acq: 08 Nov 2019 20:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 5-B

Tot Ion: 75 Resp: 17948
 Ion Ratio Lower Upper
 75 100
 110 9.4 18.1 54.1#
 77 0.0 25.0 37.6#

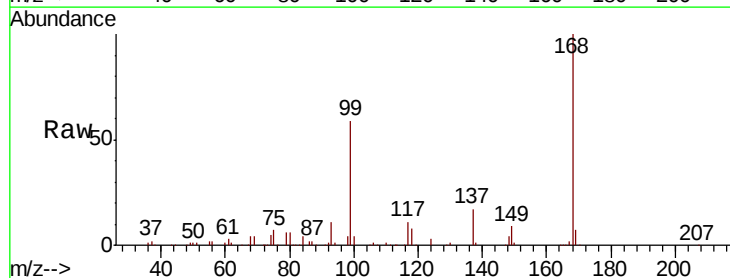


Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): VY0
 Ion 76.90 (76.60 to 77.60): VY0

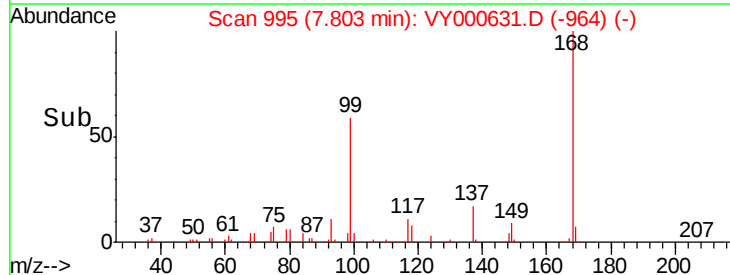
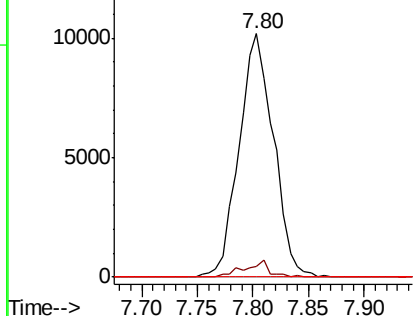


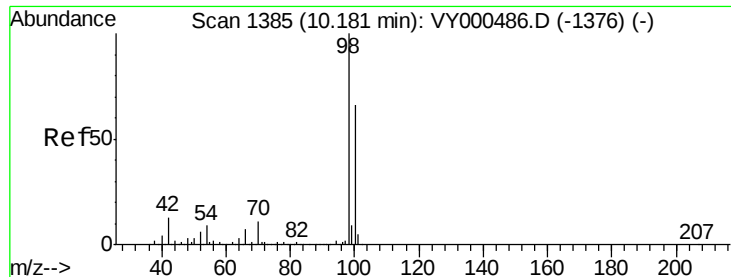
#38
 Carbon Tetrachloride
 Concen: 6.179 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000631.D
 Acq: 08 Nov 2019 20:23

Tgt Ion: 117 Resp: 21906
 Ion Ratio Lower Upper
 117 100
 119 4.6 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: 52.117 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000631.D

Acq: 08 Nov 2019 20:23

Instrument :

MSVOA_Y

ClientSampleId :

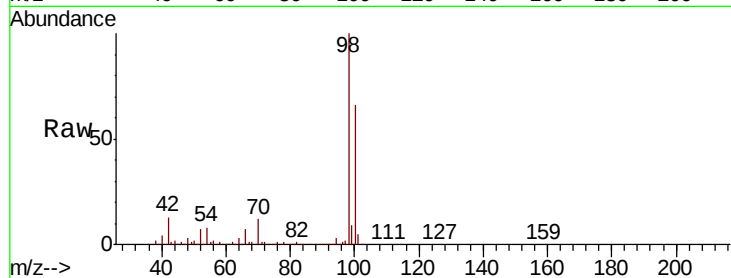
5-B

Tot Ion: 98 Resp: 452496

Ion Ratio Lower Upper

98 100

100 66.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.18

250000

200000

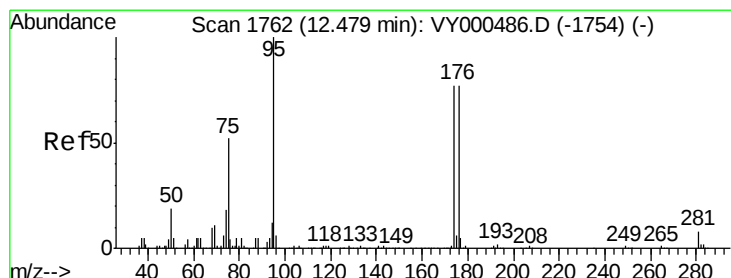
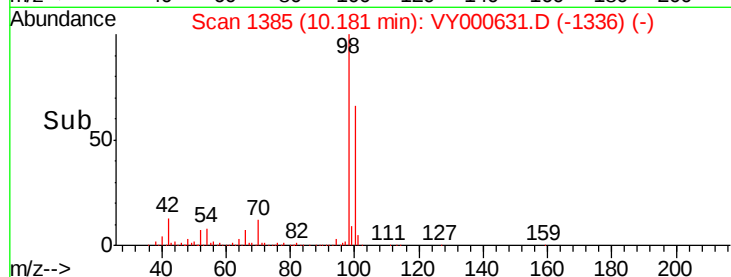
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.703 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY000631.D

Acq: 08 Nov 2019 20:23

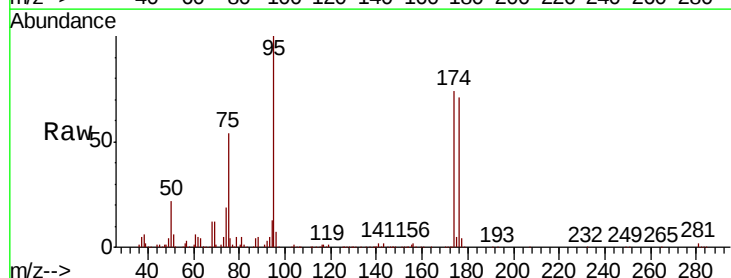
Tgt Ion: 95 Resp: 157673

Ion Ratio Lower Upper

95 100

174 78.8 0.0 161.6

176 76.0 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

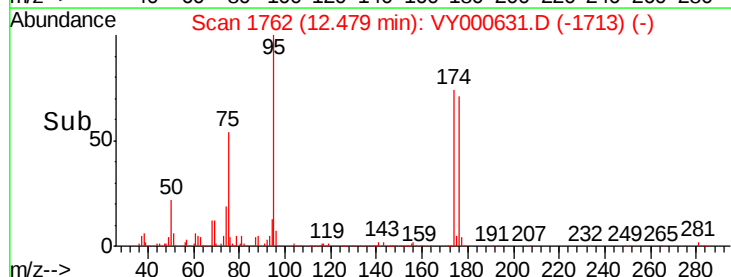
12.48

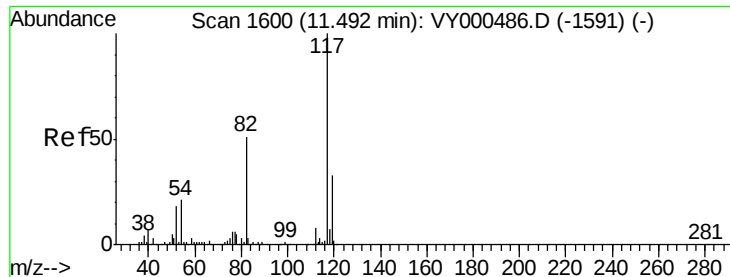
100000

50000

0

Time-->

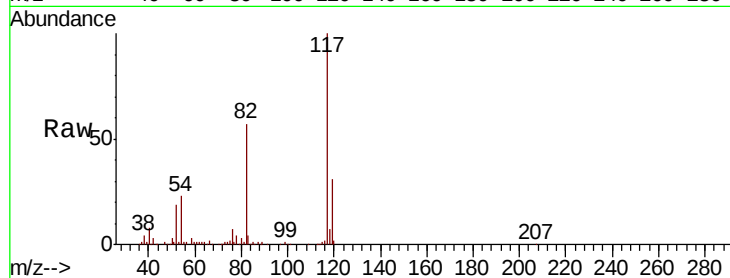




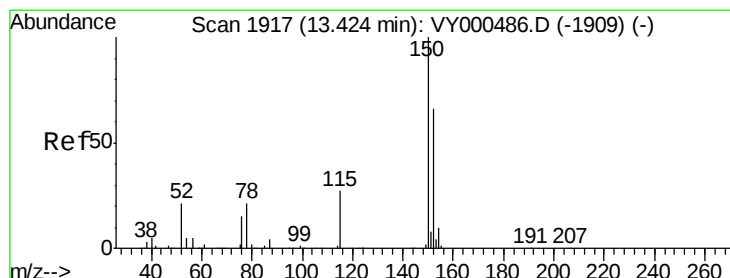
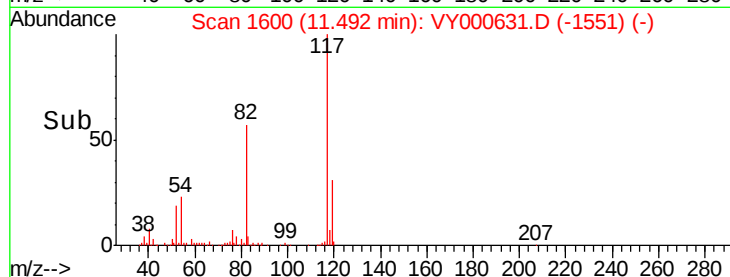
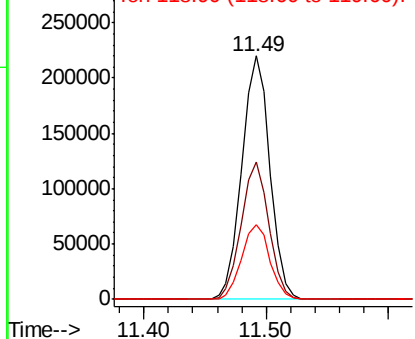
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY000631.D
Acq: 08 Nov 2019 20:23

Instrument :
MSVOA_Y
ClientSampled :
5-B

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	40.8	61.2
119	30.5	26.2	39.2

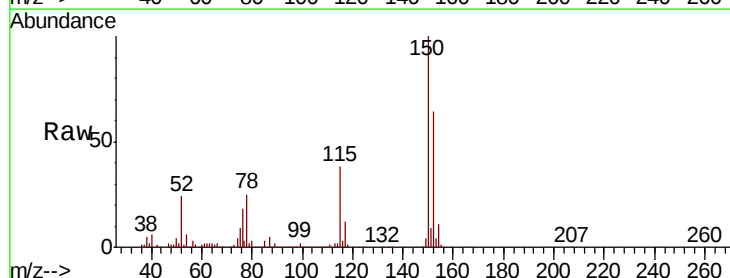


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

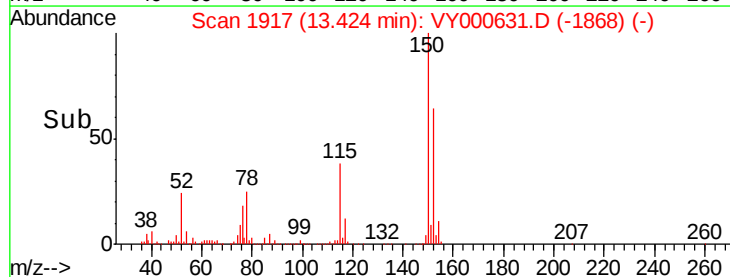
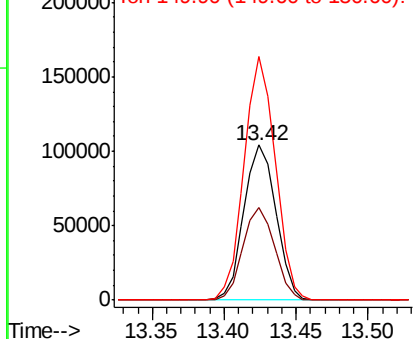


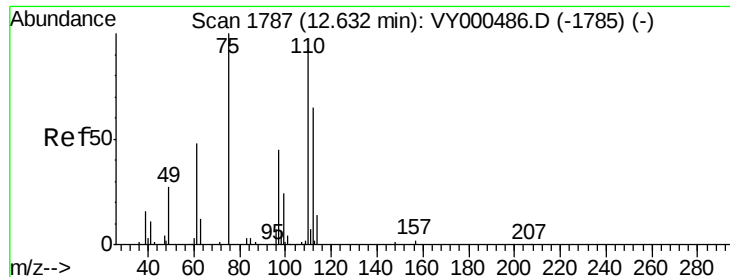
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY000631.D
Acq: 08 Nov 2019 20:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.1	87.4
150	152.4	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: 46.352 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000631.D

Acq: 08 Nov 2019 20:23

Instrument :

MSVOA_Y

ClientSampleId :

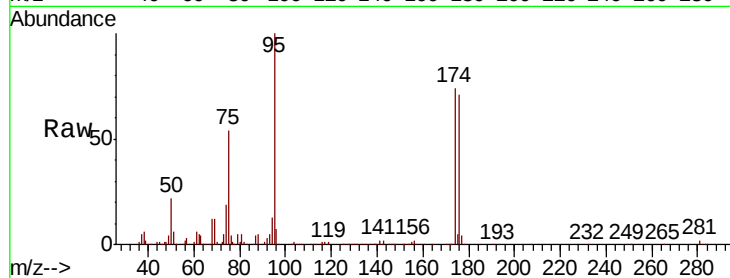
5-B

Tot Ion: 75 Resp: 84929

Ion Ratio Lower Upper

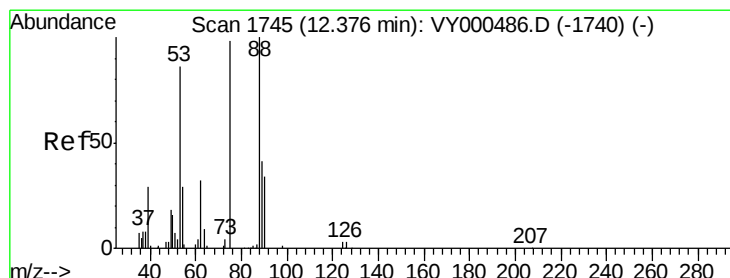
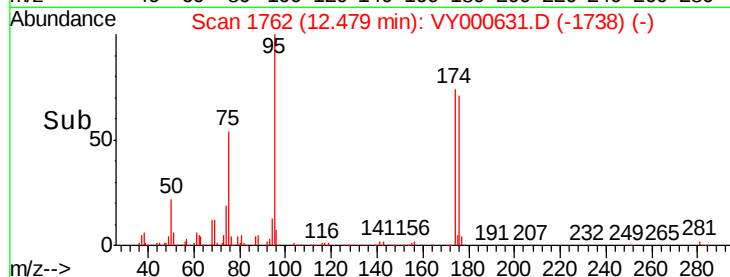
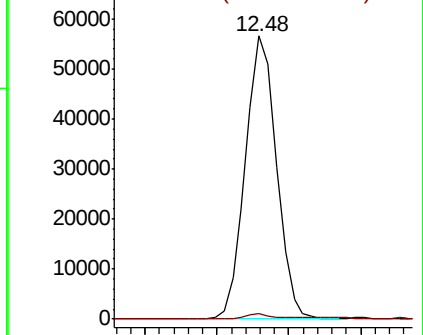
75 100

77 1.7 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: 103.928 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000631.D

Acq: 08 Nov 2019 20:23

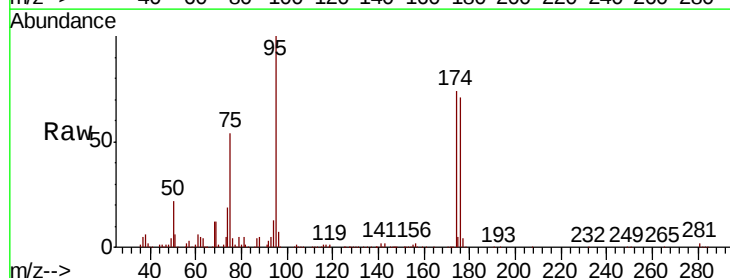
Tgt Ion: 75 Resp: 84929

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.1 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

