

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
 Data File : VY000776.D
 Acq On : 21 Nov 2019 18:17
 Operator : SY/MD
 Sample : K5959-08
 Misc : 8.43G/5ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 22 03:16:07 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	295286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	537455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	467568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	178776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	178227	58.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.64%	
35) Dibromofluoromethane	7.73	113	156711	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	10.18	98	651070	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
62) 4-Bromofluorobenzene	12.48	95	198936	43.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.30%	

Target Compounds

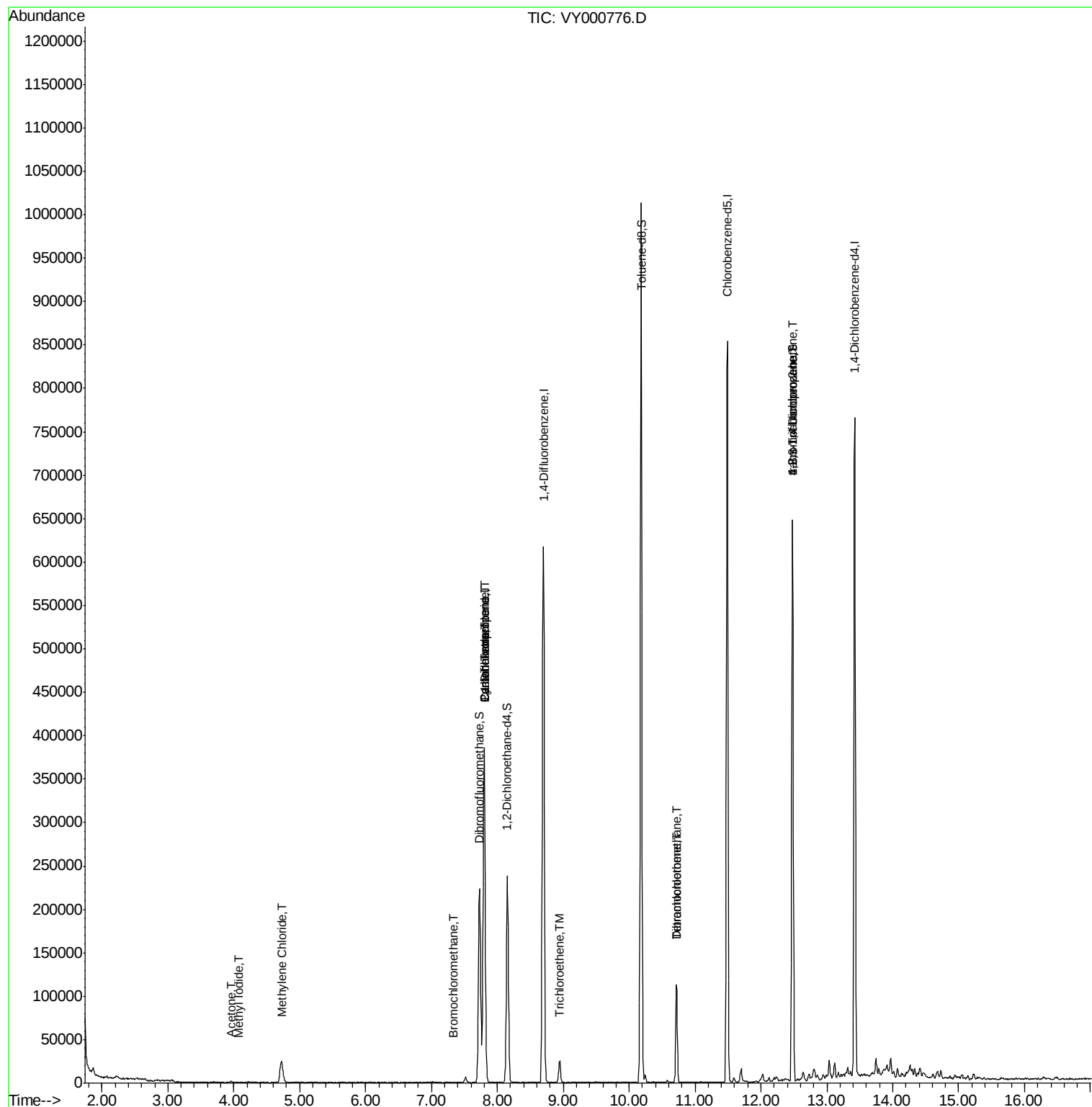
						Qvalue
10) Methyl Iodide	4.08	142	138	3.232	ug/l #	69
16) Acetone	3.95	43	1936	2.299	ug/l	94
20) Methylene Chloride	4.72	84	19235	5.330	ug/l	91
28) Bromochloromethane	7.35	49	80	4.121	ug/l #	14
31) Cyclohexane	7.80	56	6409	1.083	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	24968	4.914	ug/l #	48
38) Carbon Tetrachloride	7.80	117	29612	6.057	ug/l #	15
44) Trichloroethene	8.94	130	8389	2.136	ug/l	83
60) Dibromochloromethane	10.72	129	21400	6.407	ug/l #	10
64) Tetrachloroethene	10.72	164	24473	6.330	ug/l	91
76) 1,2,3-Trichloropropane	12.48	75	99889	49.071	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	99889	110.023	ug/l #	13

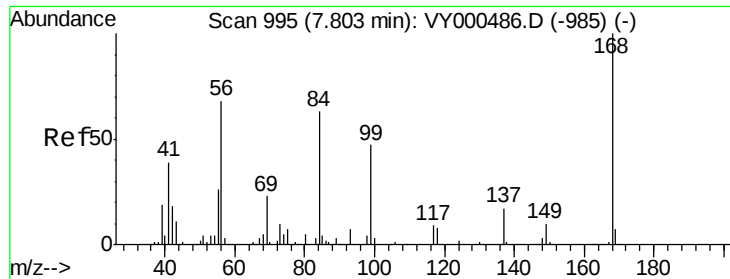
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
Data File : VY000776.D
Acq On : 21 Nov 2019 18:17
Operator : SY/MD
Sample : K5959-08
Misc : 8.43G/5ML/MSVOA Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Nov 22 03:16:07 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# 994

Delta R.T. -0.01 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

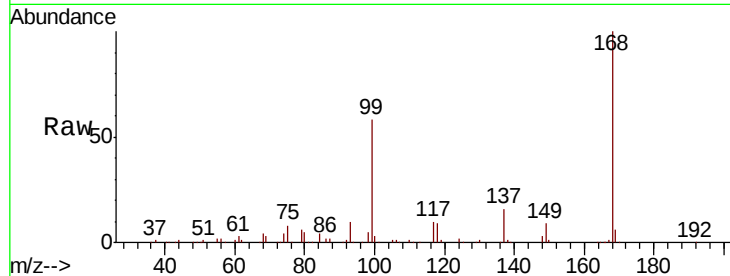
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 295286

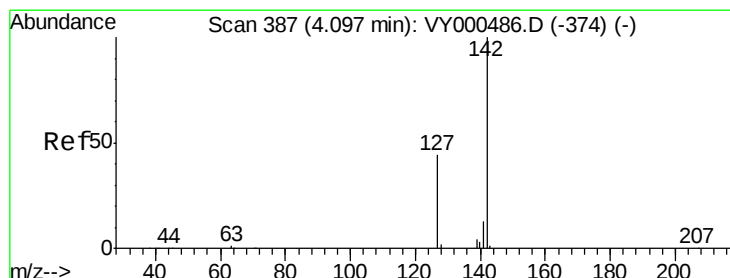
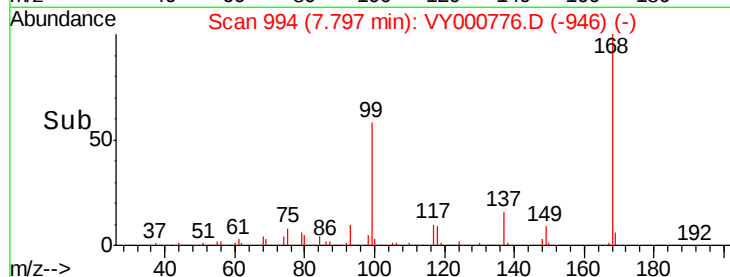
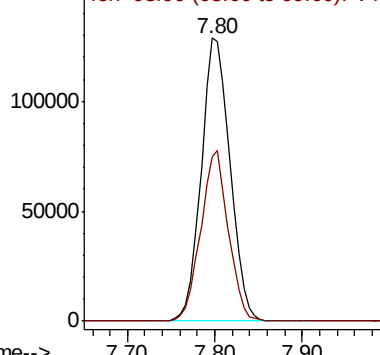
Ion Ratio Lower Upper

168 100

99 58.2 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: 3.232 ug/l

RT: 4.08 min Scan# 385

Delta R.T. -0.01 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

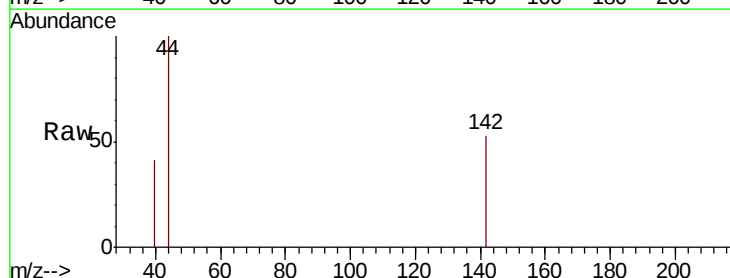
Tgt Ion:142 Resp: 138

Ion Ratio Lower Upper

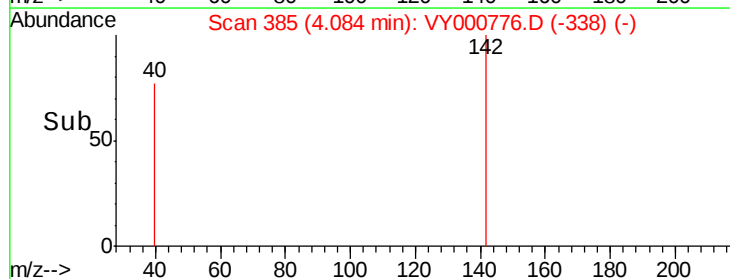
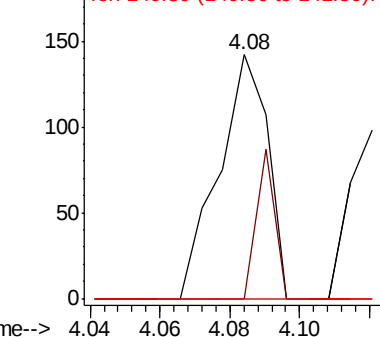
142 100

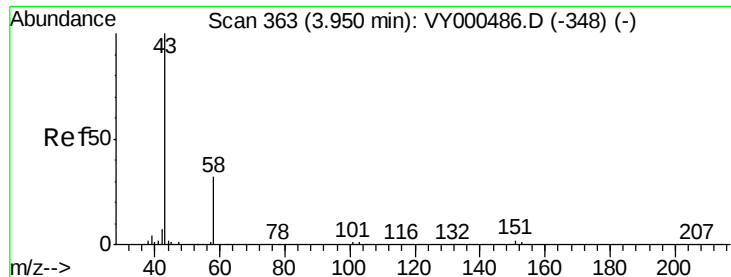
127 23.2 33.7 50.5#

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





#16

Acetone

Concen: 2.299 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

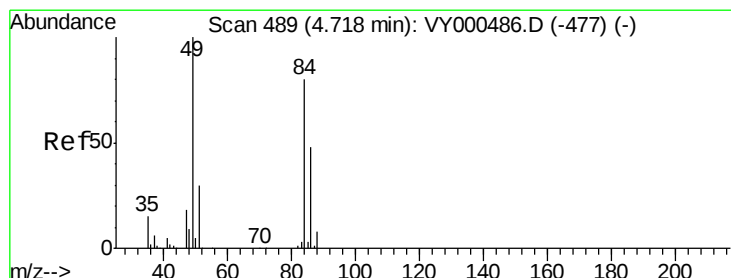
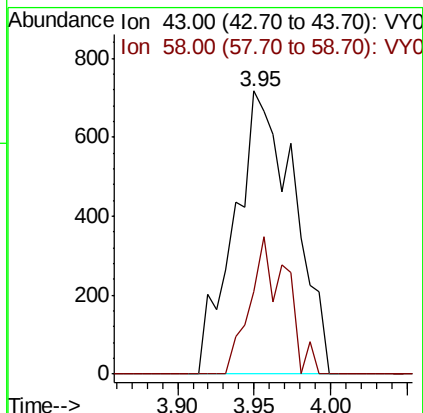
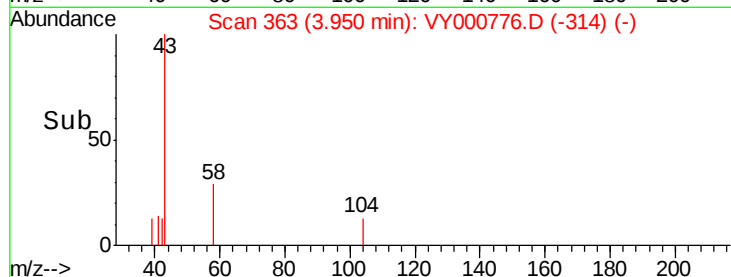
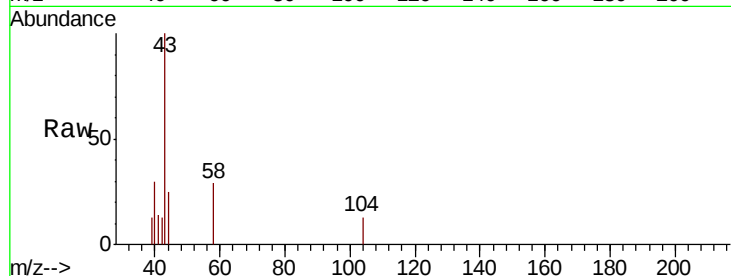
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 1936

Ion Ratio Lower Upper

43 100

58 29.0 25.8 38.6



#20

Methylene Chloride

Concen: 5.330 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.00 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

Tgt Ion: 84 Resp: 19235

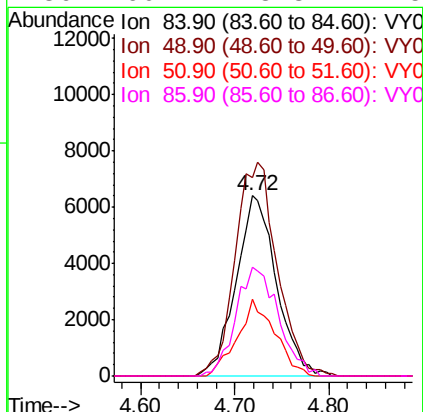
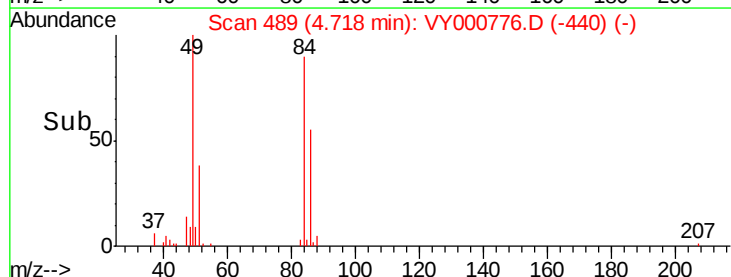
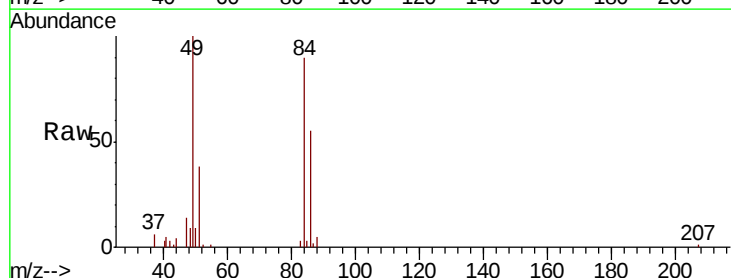
Ion Ratio Lower Upper

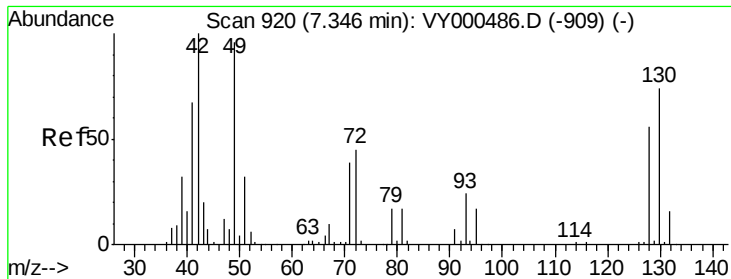
84 100

49 110.5 100.2 150.4

51 42.4 29.6 44.4

86 60.2 48.3 72.5





#28

Bromochloromethane

Concen: 4.121 ug/l

RT: 7.35 min Scan# 920

Delta R.T. 0.00 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

Instrument :
MSVOA_Y
ClientSampleId :

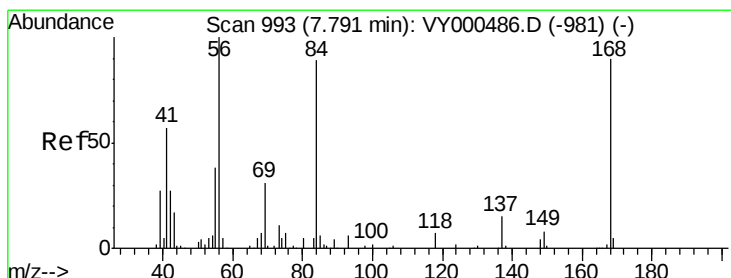
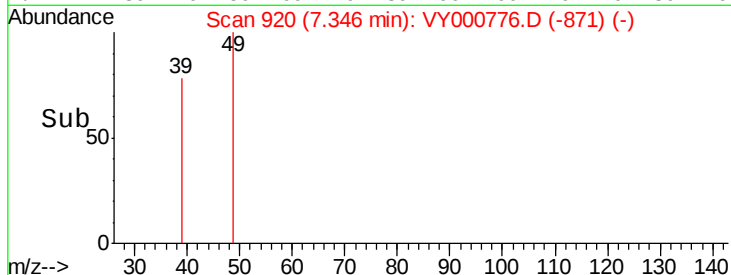
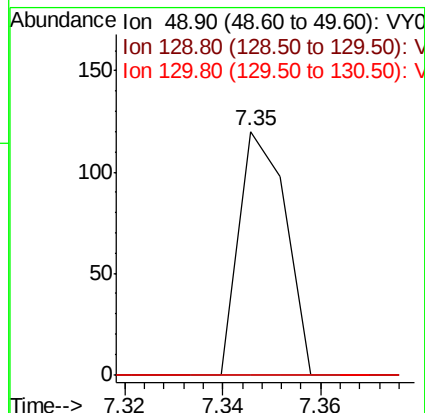
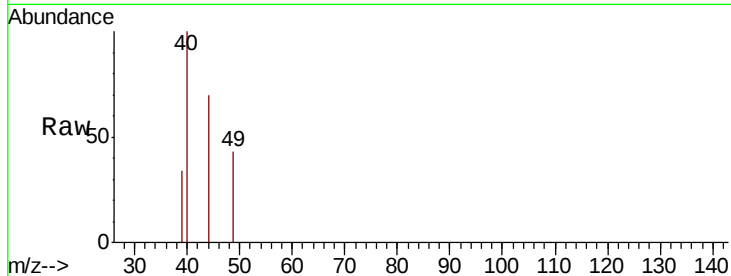
Tot Ion: 49 Resp: 80

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 59.4 89.0#



#31

Cyclohexane

Concen: 1.083 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

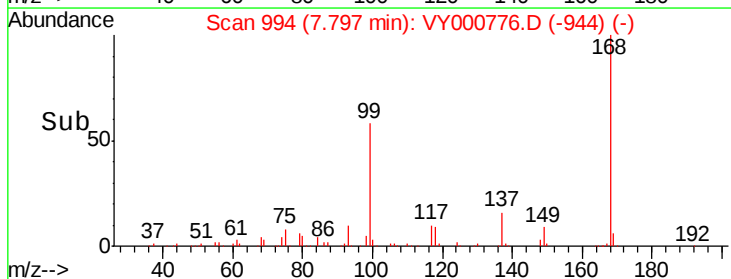
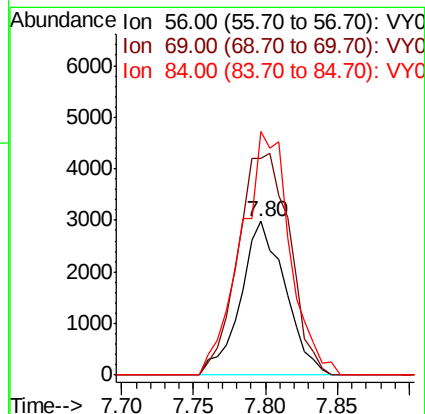
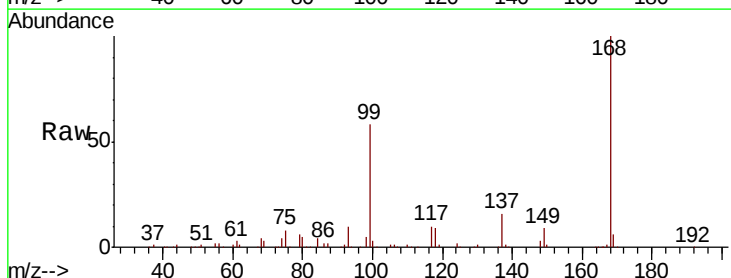
Tgt Ion: 56 Resp: 6409

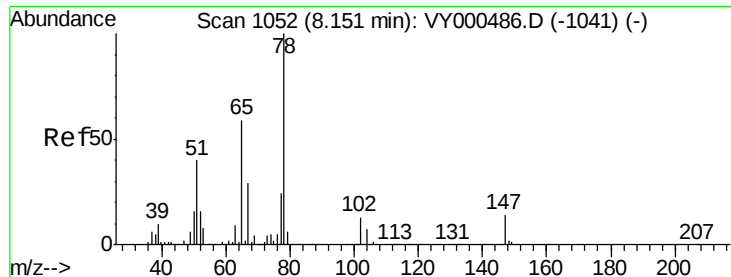
Ion Ratio Lower Upper

56 100

69 141.0 25.0 37.6#

84 158.3 71.4 107.2#

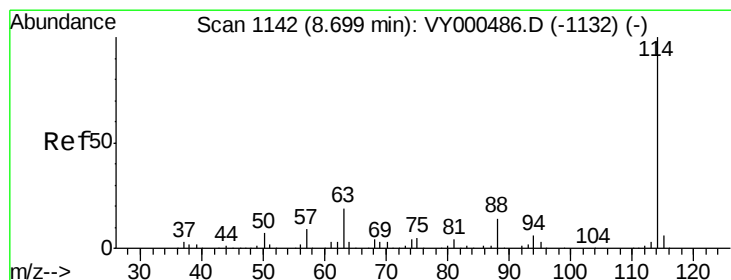
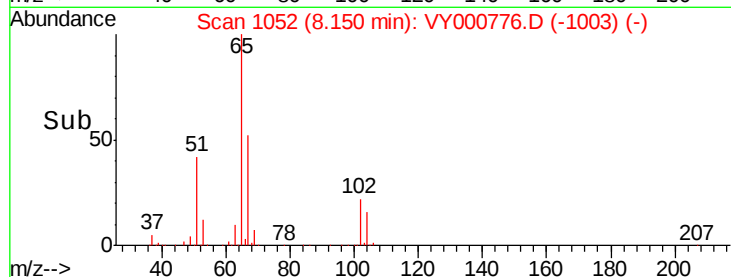
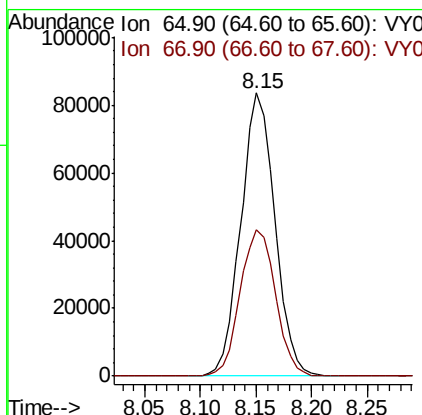
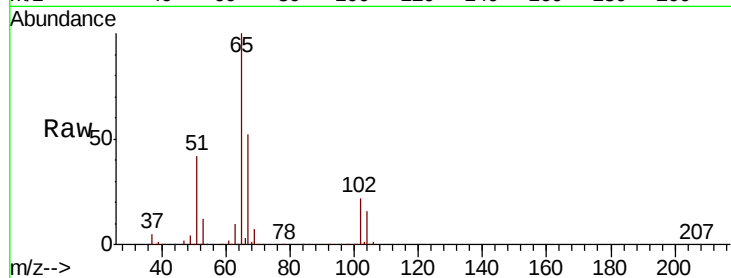




#33
 1,2-Dichloroethane-d4
 Concen: 58.324 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000776.D
 Acq: 21 Nov 2019 18:17

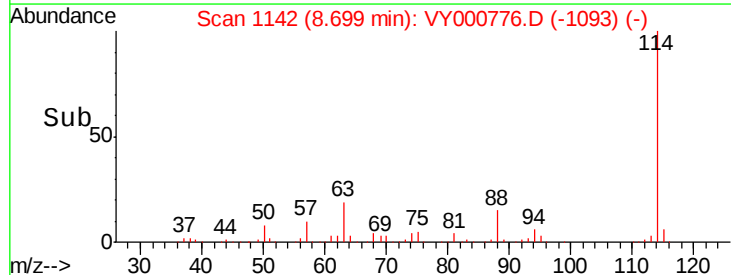
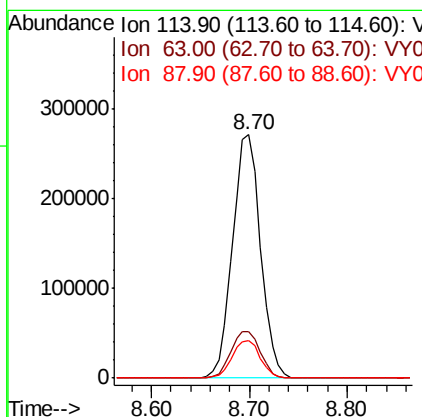
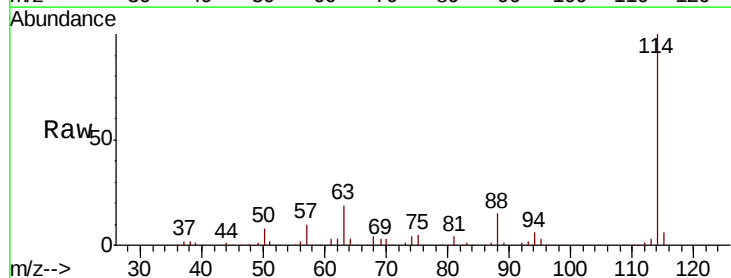
Instrument :
 MSVOA_Y
 ClientSampleId :

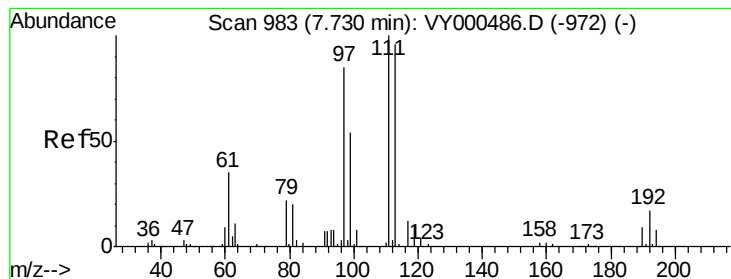
Tot Ion: 65 Resp: 178227
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000776.D
 Acq: 21 Nov 2019 18:17

Tgt Ion: 114 Resp: 537455
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.0
 88 15.5 0.0 28.6





#35

Dibromofluoromethane

Concen: 49.667 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

Instrument :

MSVOA_Y

ClientSampleId :

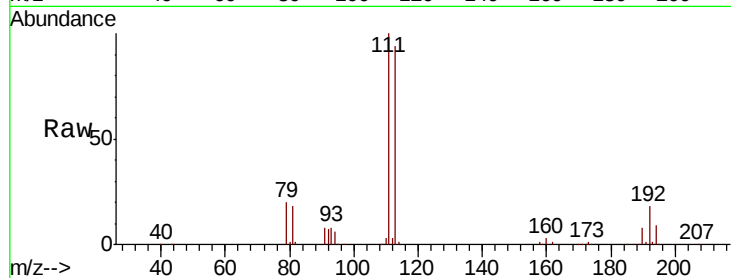
Tot Ion:113 Resp: 156711

Ion Ratio Lower Upper

113 100

111 103.3 81.7 122.5

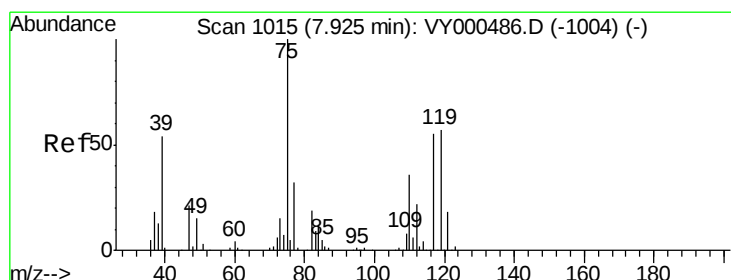
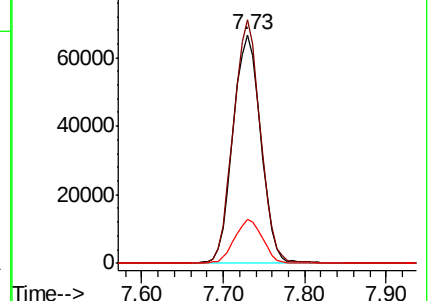
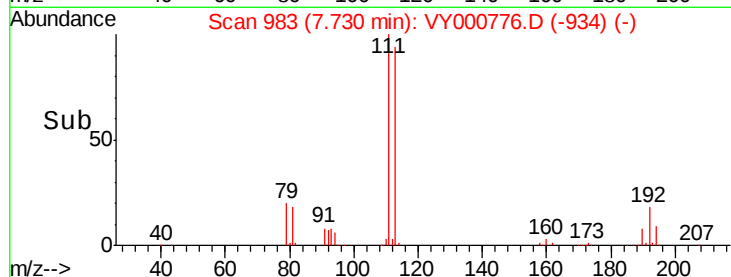
192 19.3 15.0 22.4



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: 4.914 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.12 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

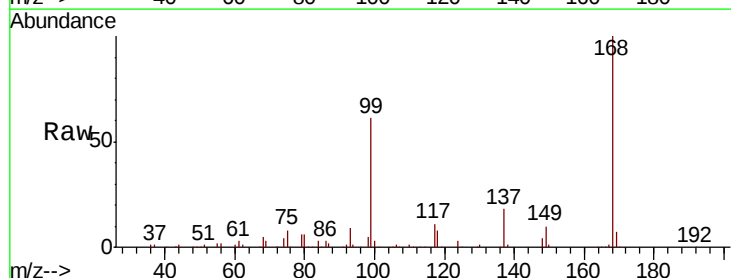
Tgt Ion: 75 Resp: 24968

Ion Ratio Lower Upper

75 100

110 7.5 18.1 54.1#

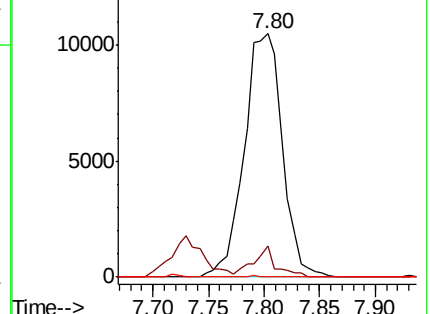
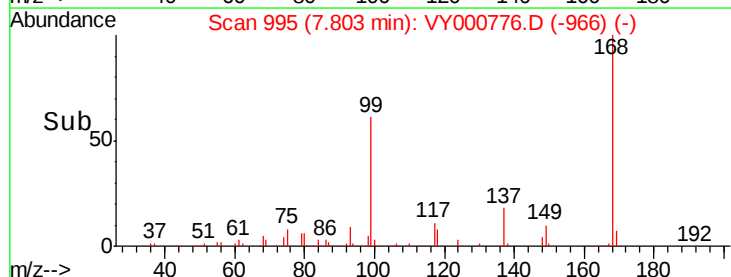
77 0.1 25.0 37.6#

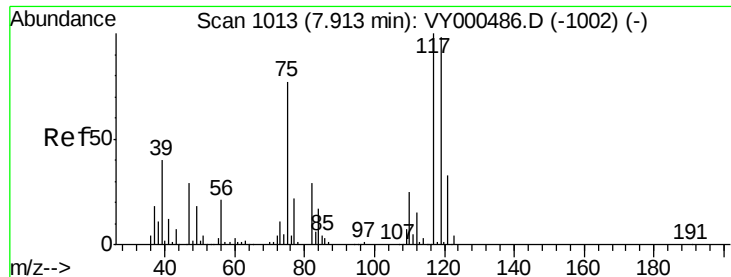


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.057 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.11 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

Instrument :

MSVOA_Y

ClientSampleId :

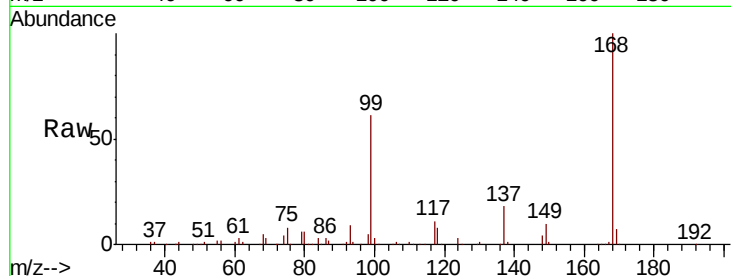
Tot Ion:117 Resp: 29612

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

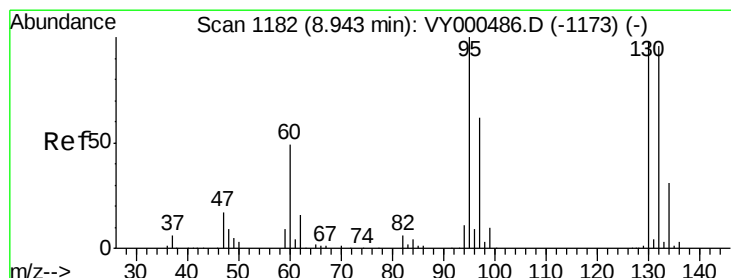
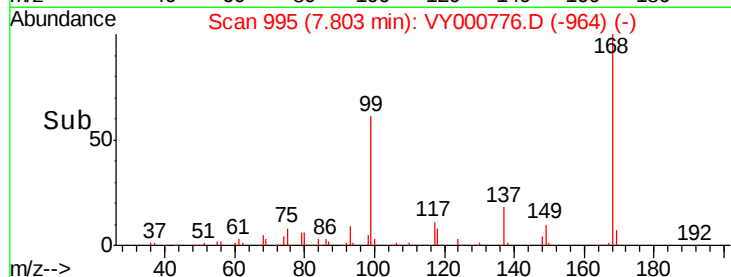
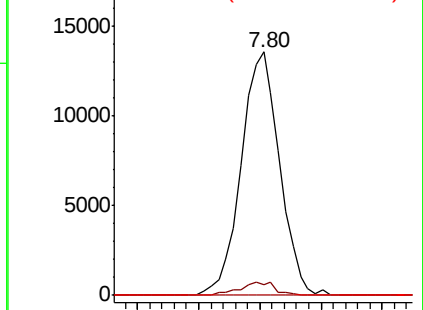
121 0.0 26.6 40.0#



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



#44

Trichloroethene

Concen: 2.136 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY000776.D

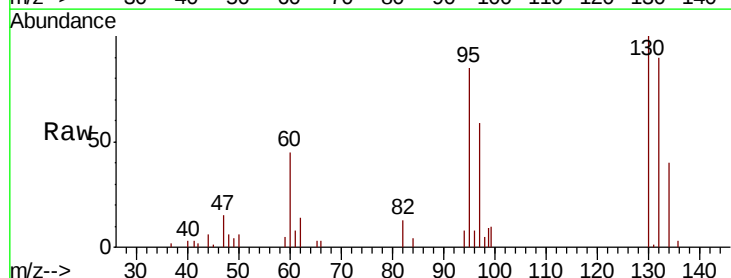
Acq: 21 Nov 2019 18:17

Tgt Ion:130 Resp: 8389

Ion Ratio Lower Upper

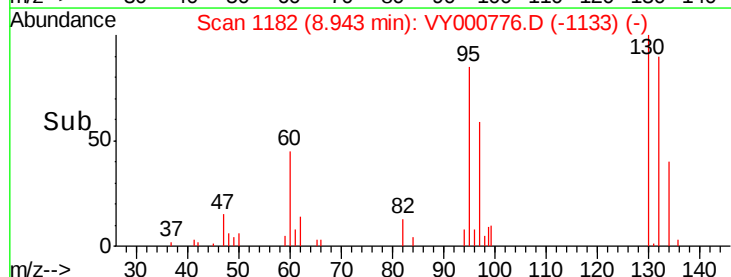
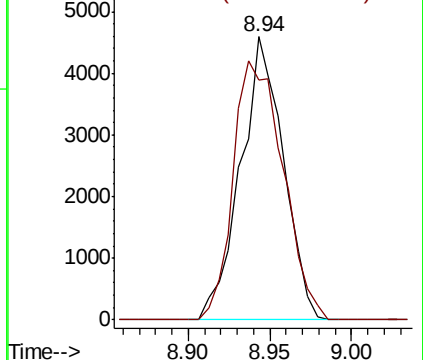
130 100

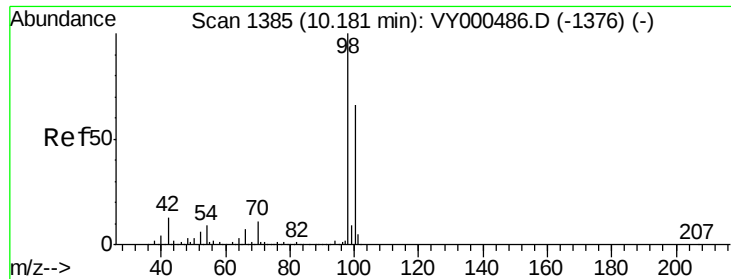
95 84.6 0.0 203.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VY0





#50

Toluene-d8

Concen: 54.381 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

Instrument :

MSVOA_Y

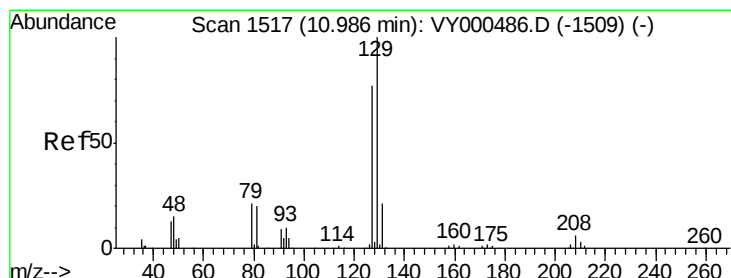
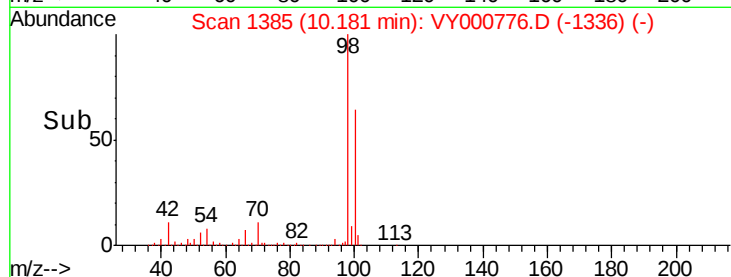
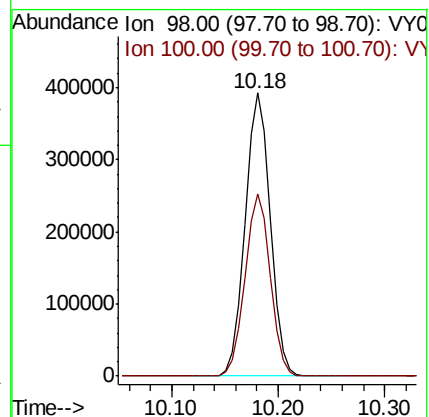
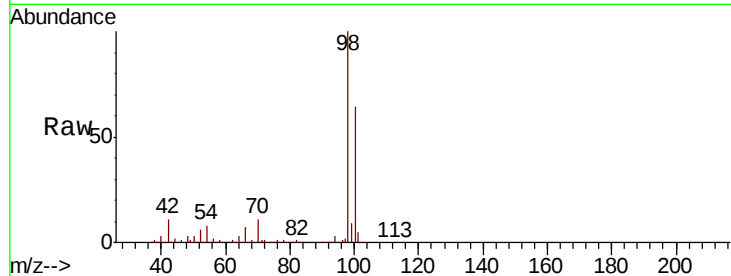
ClientSampleId :

Tot Ion: 98 Resp: 651070

Ion Ratio Lower Upper

98 100

100 64.6 52.9 79.3



#60

Dibromochloromethane

Concen: 6.407 ug/l

RT: 10.72 min Scan# 1473

Delta R.T. -0.27 min

Lab File: VY000776.D

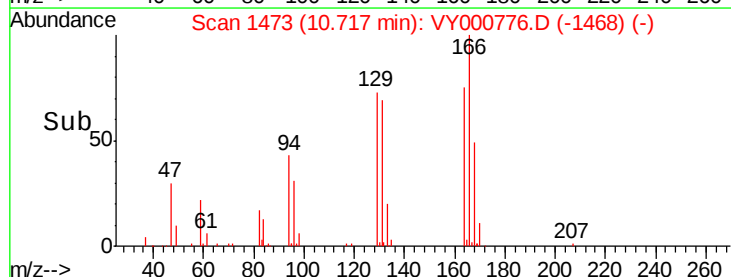
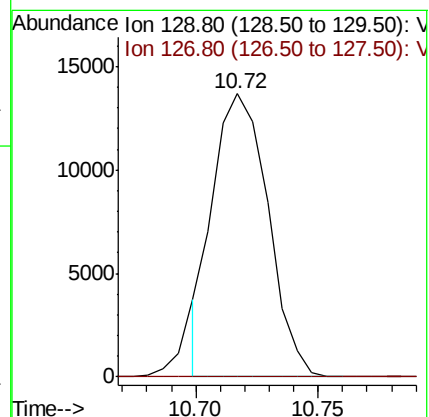
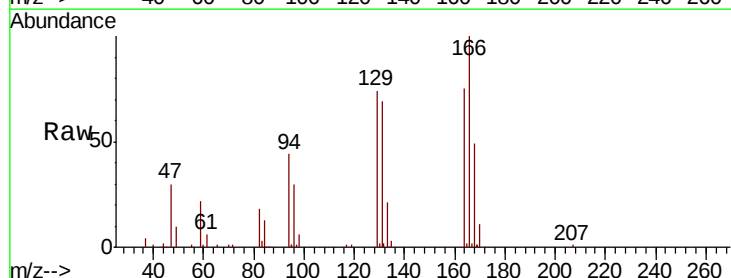
Acq: 21 Nov 2019 18:17

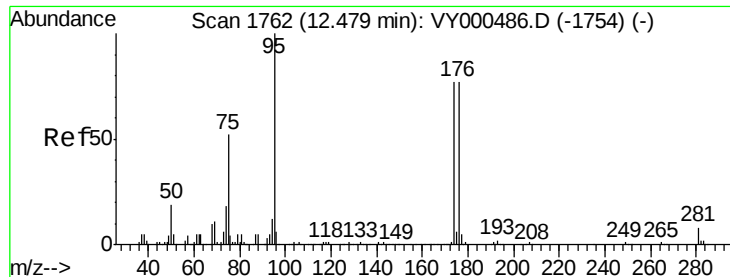
Tgt Ion: 129 Resp: 21400

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#

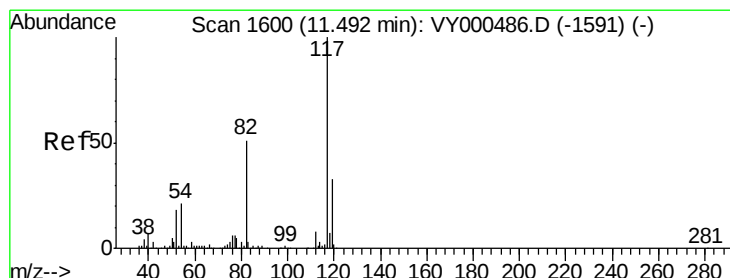
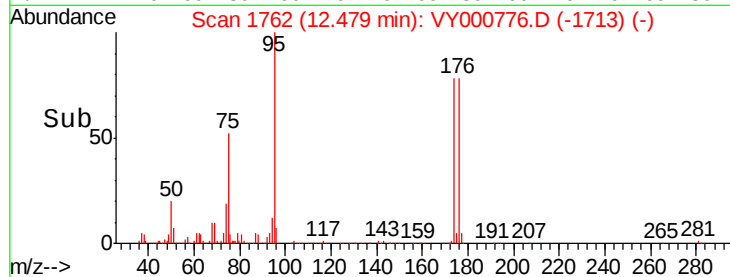
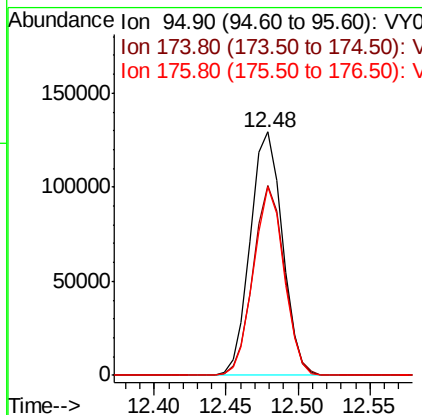
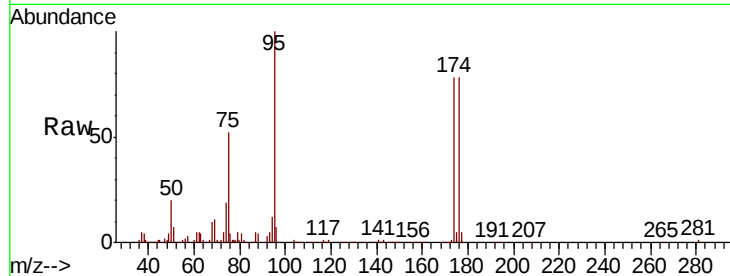




#62
4-Bromofluorobenzene
Concen: 43.647 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY000776.D
Acq: 21 Nov 2019 18:17

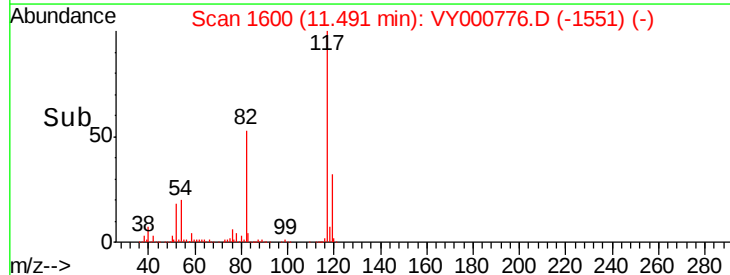
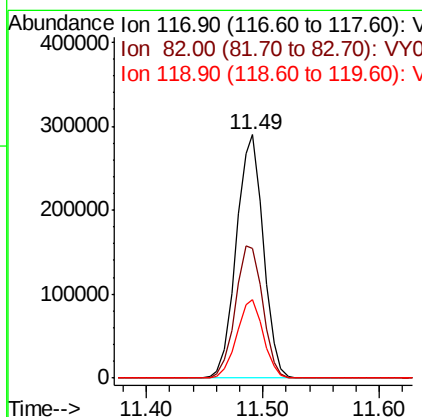
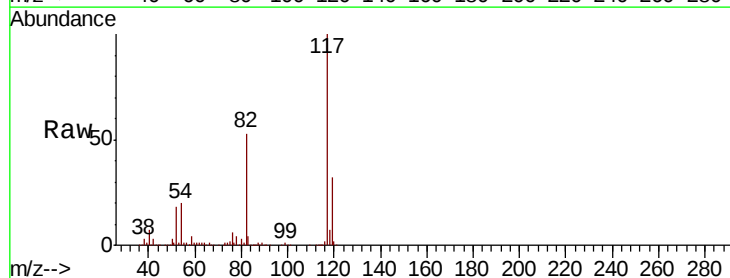
Instrument :
MSVOA_Y
ClientSampleId :

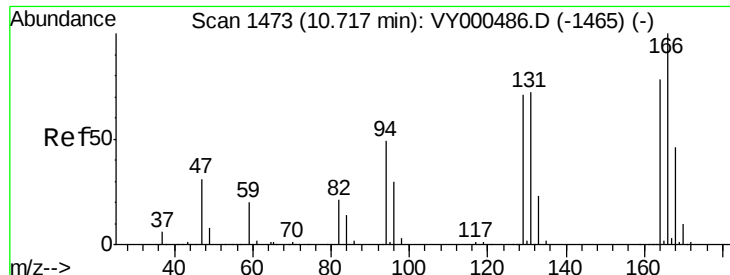
Tot Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	161.6
176	74.1	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000776.D
Acq: 21 Nov 2019 18:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.3	40.8	61.2
119	32.4	26.2	39.2

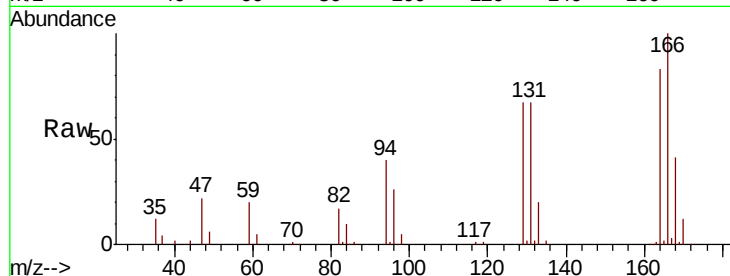




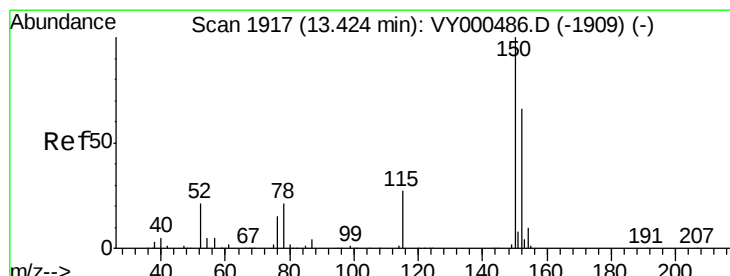
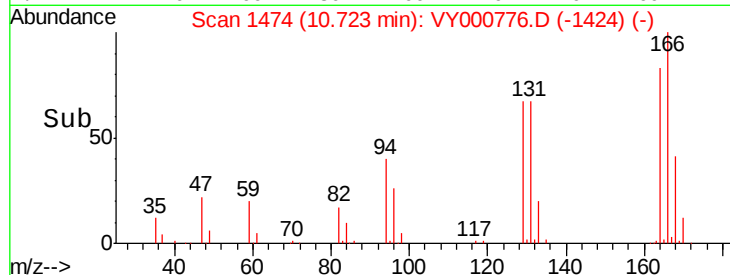
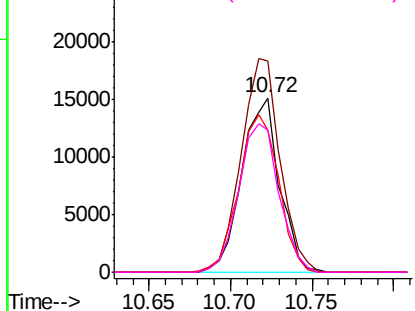
#64
Tetrachloroethene
Concen: 6.330 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VY000776.D
Acq: 21 Nov 2019 18:17

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:164 Resp: 24473
Ion Ratio Lower Upper
164 100
166 120.9 102.7 154.1
129 81.2 73.2 109.8
131 81.5 74.2 111.2

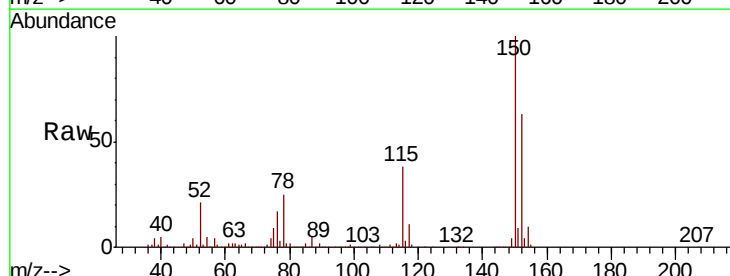


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

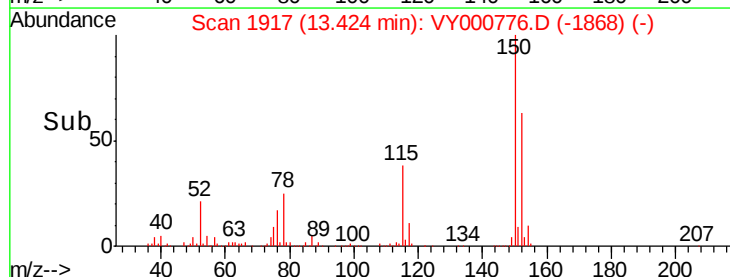
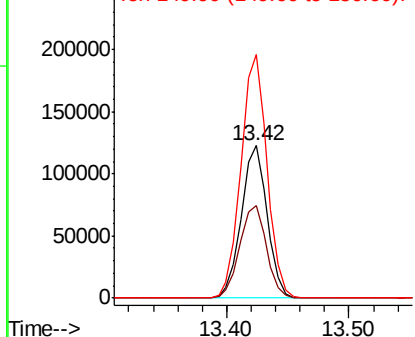


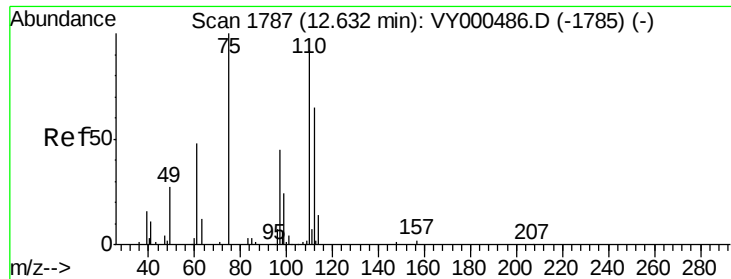
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000776.D
Acq: 21 Nov 2019 18:17

Tgt Ion:152 Resp: 178776
Ion Ratio Lower Upper
152 100
115 62.9 29.1 87.4
150 161.1 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: 49.071 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

Instrument :

MSVOA_Y

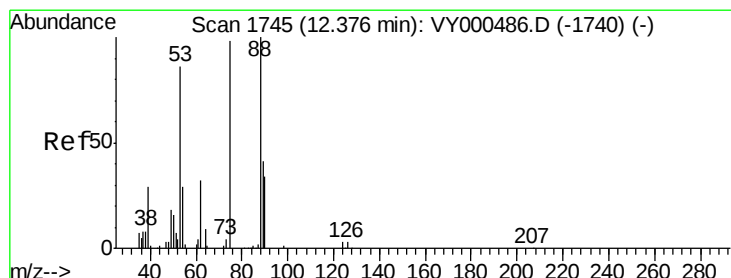
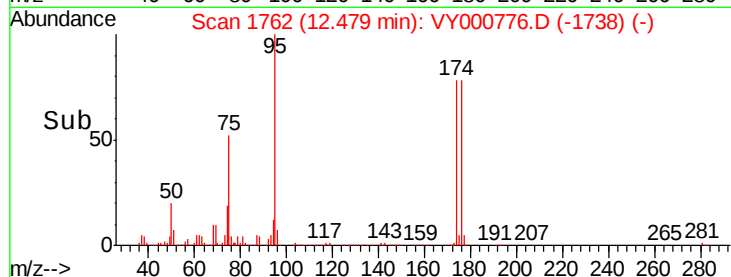
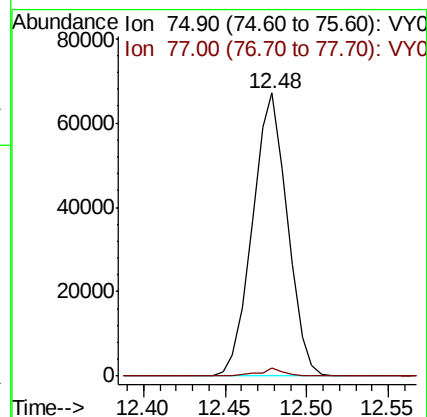
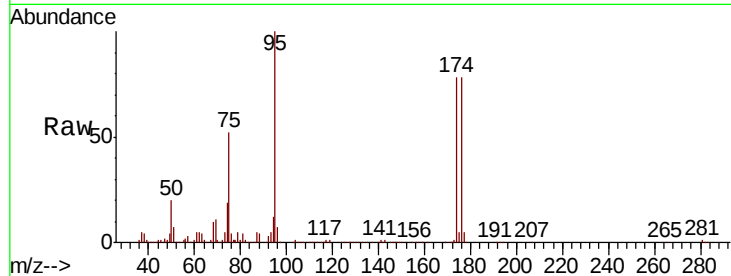
ClientSampleId :

Tot Ion: 75 Resp: 99889

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.023 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000776.D

Acq: 21 Nov 2019 18:17

Tgt Ion: 75 Resp: 99889

Ion Ratio Lower Upper

75 100

53 0.1 73.2 109.8#

89 0.0 35.9 53.9#

