

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111519\
 Data File : VY000704.D
 Acq On : 15 Nov 2019 16:20
 Operator : SY/MD
 Sample : K5861-15
 Misc : 6.80G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 02:32:27 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	190515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	356308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	328583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	148656	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	122707	62.24	ug/l	0.00
Spiked Amount			Recovery	=	124.48%	
35) Dibromofluoromethane	7.73	113	106167	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.18	98	421790	53.14	ug/l	0.00
Spiked Amount			Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.48	95	147705	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	

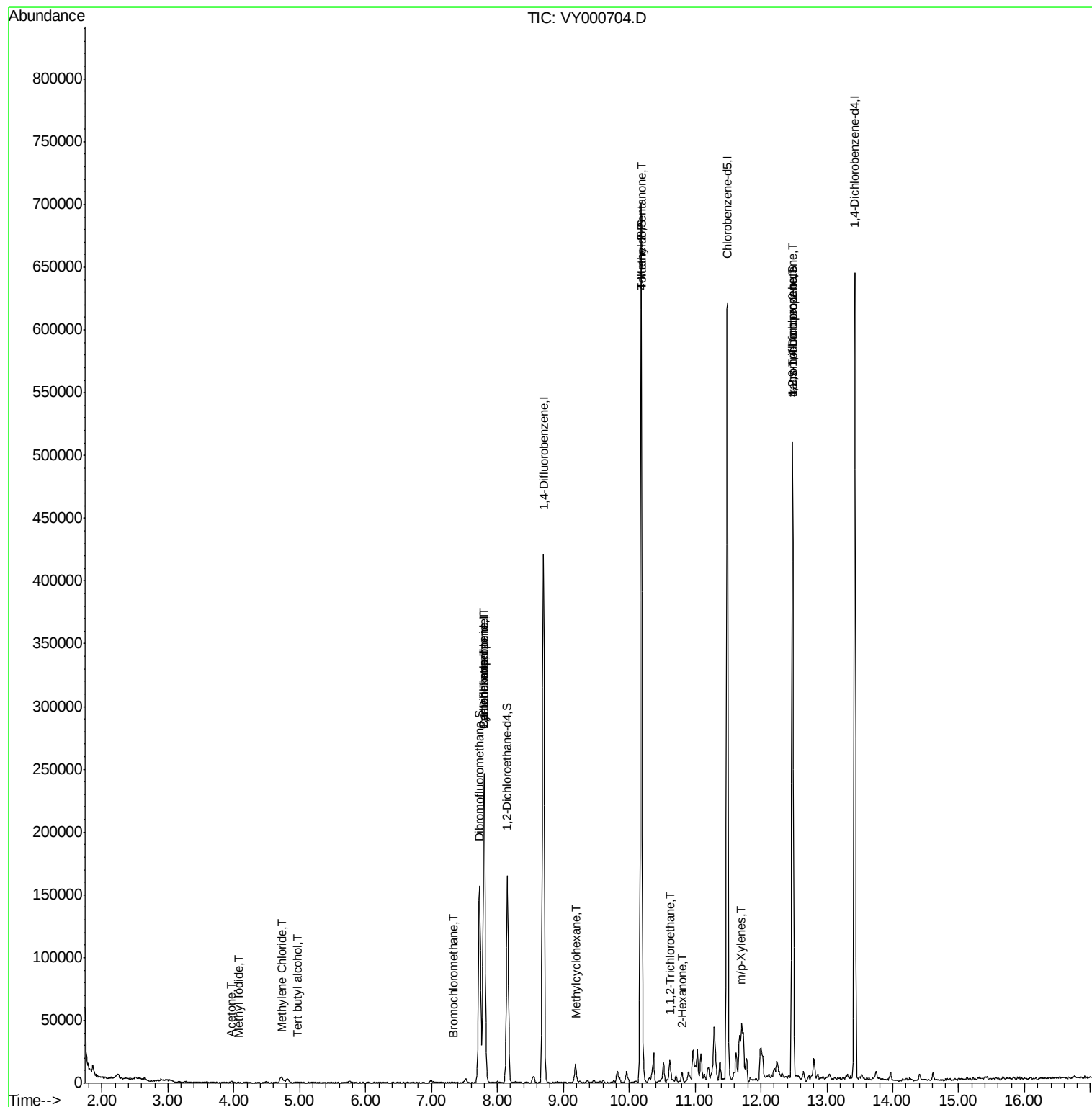
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.08	142	30	3.210	ug/l #	41
11) Tert butyl alcohol	4.97	59	1099	5.726	ug/l #	72
16) Acetone	3.96	43	2044	3.762	ug/l	91
20) Methylene Chloride	4.72	84	3452	1.483	ug/l	95
28) Bromochloromethane	7.35	49	55	4.123	ug/l #	14
31) Cyclohexane	7.80	56	4822	1.264	ug/l #	30
36) 1,1-Dichloropropene	7.80	75	15786	4.687	ug/l #	51
38) Carbon Tetrachloride	7.80	117	18724	5.777	ug/l #	16
39) Methylcyclohexane	9.19	83	5391	1.239	ug/l	94
51) 4-Methyl-2-Pentanone	10.17	43	3046	1.525	ug/l #	1
55) 1,1,2-Trichloroethane	10.62	97	6818	3.527	ug/l #	16
59) 2-Hexanone	10.80	43	3608	2.479	ug/l #	26
68) m/p-Xylenes	11.70	106	5403	1.139	ug/l	93
76) 1,2,3-Trichloropropane	12.48	75	80884	47.785	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	80884	107.141	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# 994

Delta R.T. -0.01 min

Lab File: VY000704.D

Acq: 15 Nov 2019 16:20

Instrument :

MSVOA_Y

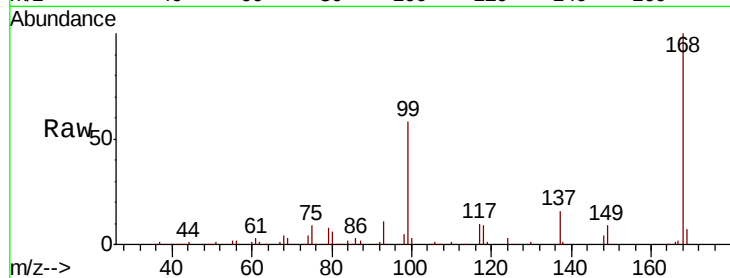
ClientSampleId :

Tot Ion:168 Resp: 190515

Ion Ratio Lower Upper

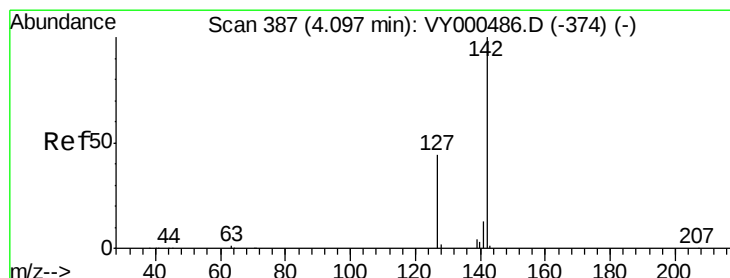
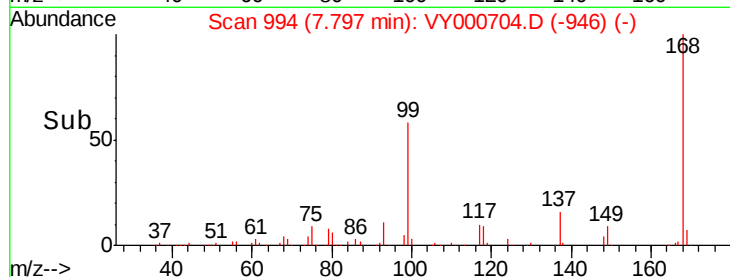
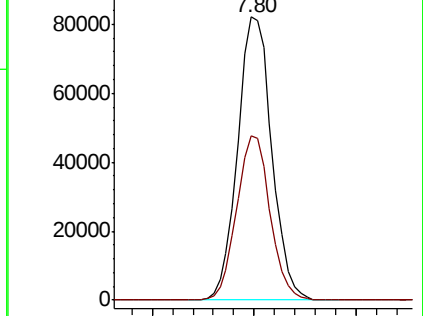
168 100

99 58.0 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: 3.210 ug/l

RT: 4.08 min Scan# 385

Delta R.T. -0.01 min

Lab File: VY000704.D

Acq: 15 Nov 2019 16:20

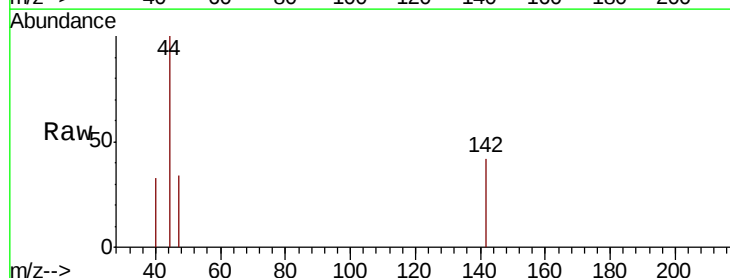
Tgt Ion:142 Resp: 30

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

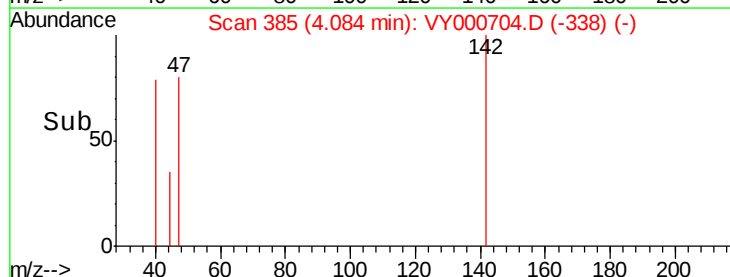
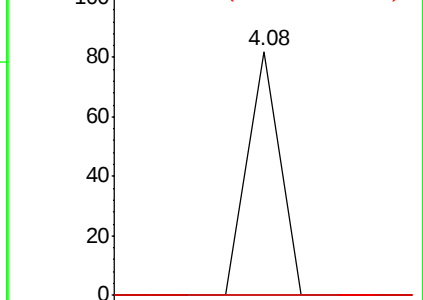
141 0.0 10.9 16.3#



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



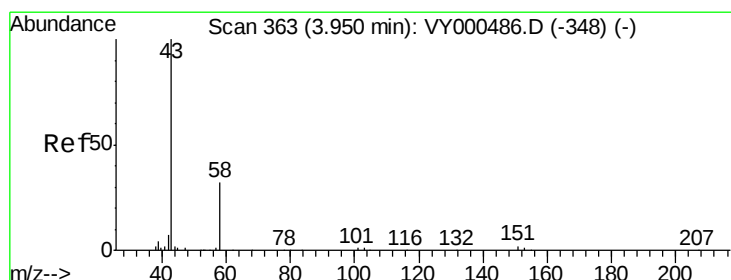
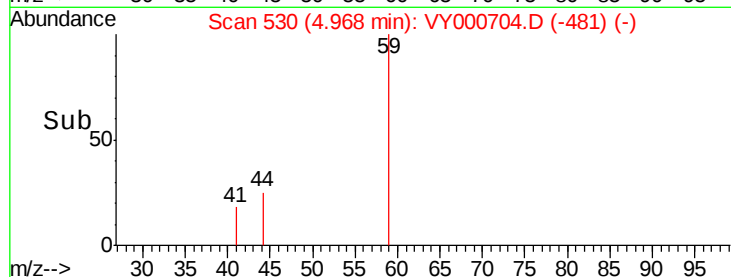
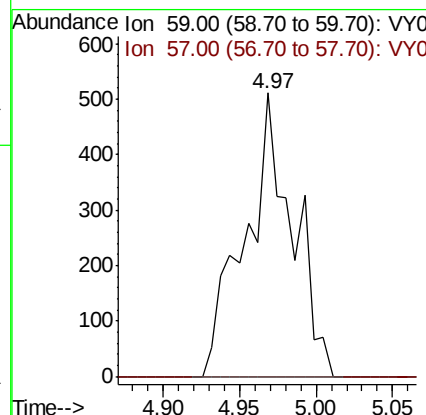
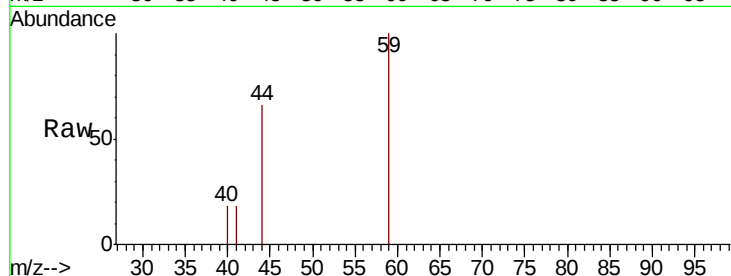


#11

Tert butyl alcohol
 Concen: 5.726 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VY000704.D
 Acq: 15 Nov 2019 16:20

Instrument :
 MSVOA_Y
 ClientSampled :

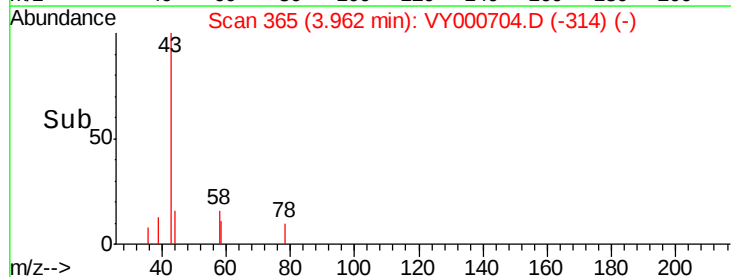
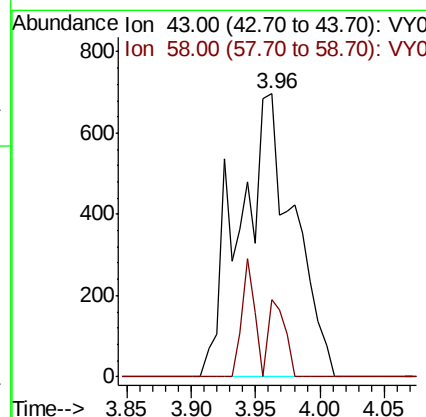
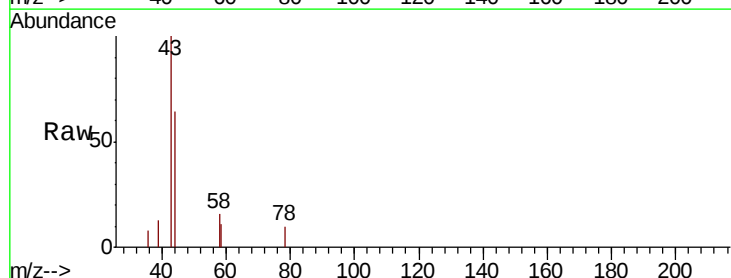
Tot Ion: 59 Resp: 1099
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.6 12.8#

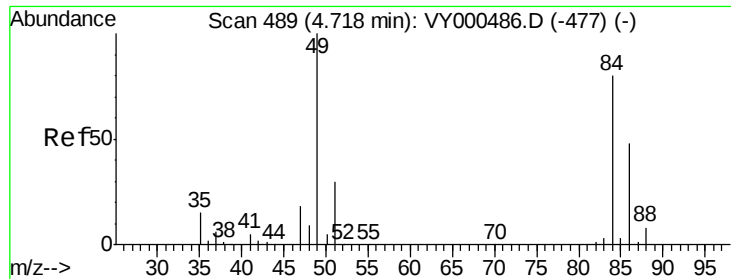


#16

Acetone
 Concen: 3.762 ug/l
 RT: 3.96 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VY000704.D
 Acq: 15 Nov 2019 16:20

Tgt Ion: 43 Resp: 2044
 Ion Ratio Lower Upper
 43 100
 58 27.1 25.8 38.6

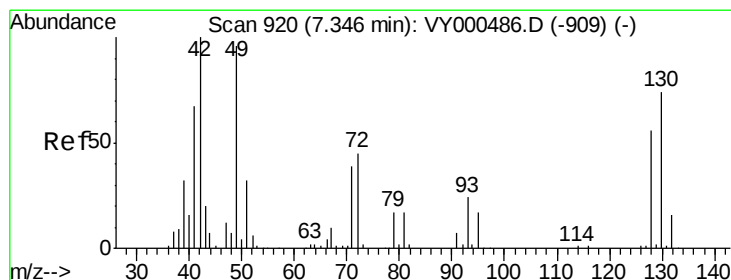
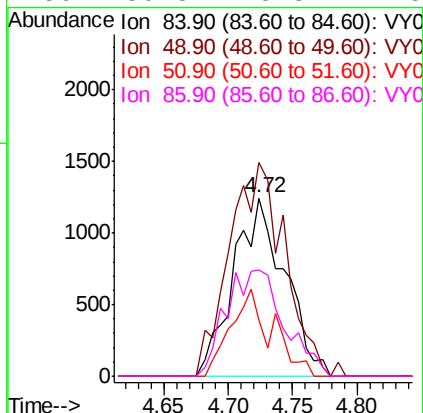
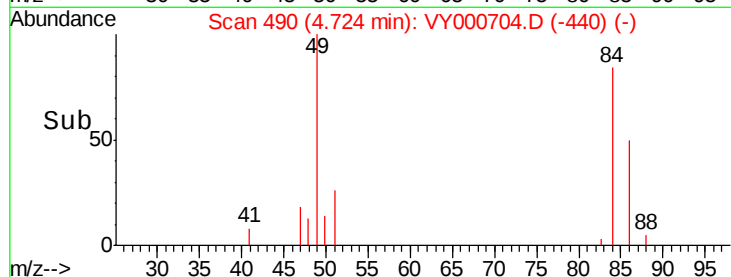
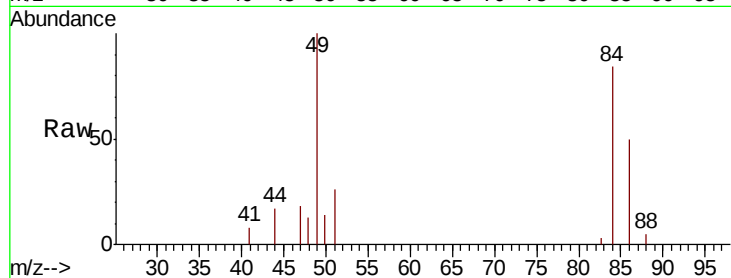




#20
Methvlene Chloride
Concen: 1.483 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.01 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

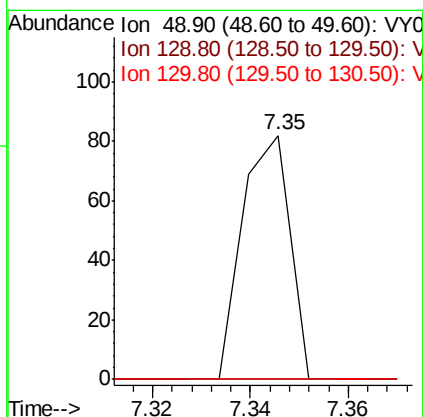
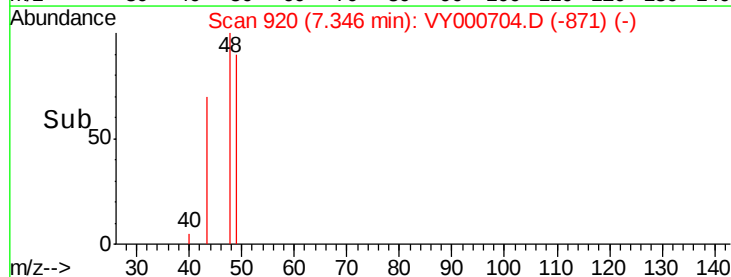
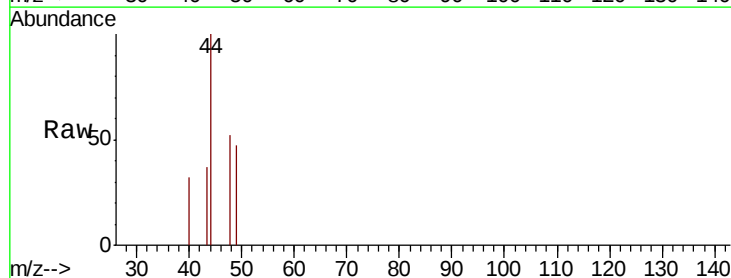
Instrument :
MSVOA_Y
ClientSampled :

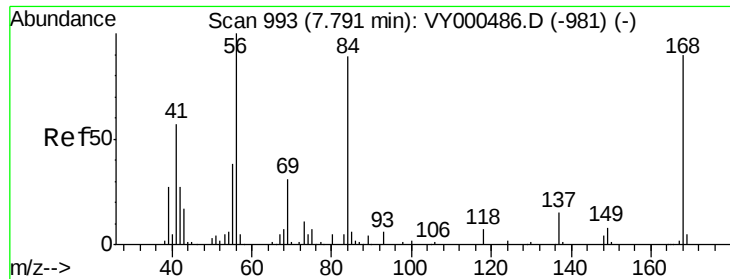
Tot Ion:	84	Resp:	3452
Ion	Ratio	Lower	Upper
84	100		
49	119.6	100.2	150.4
51	31.5	29.6	44.4
86	59.8	48.3	72.5



#28
Bromochloromethane
Concen: 4.123 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

Tgt Ion:	49	Resp:	55
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	59.4	89.0#

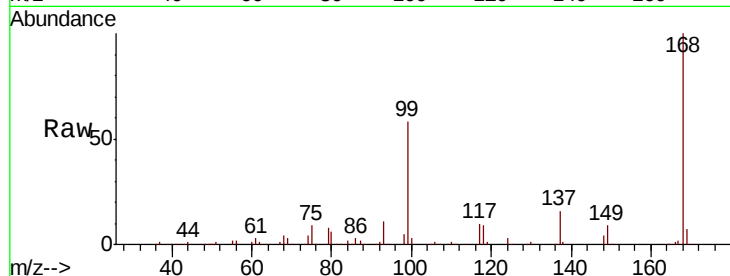




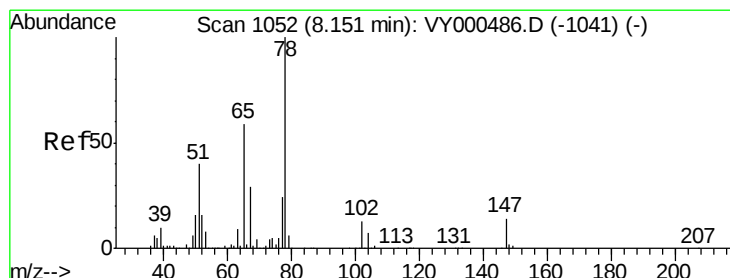
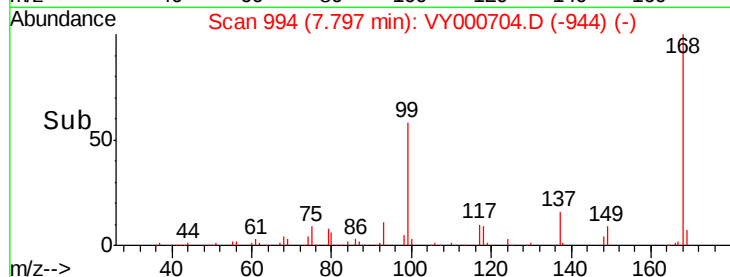
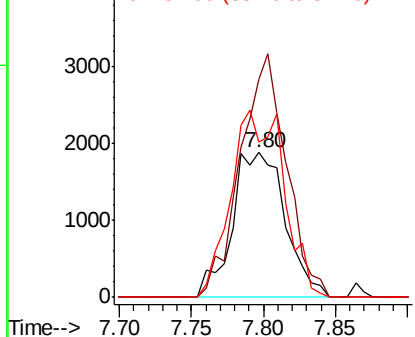
#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 56 Resp: 4822
Ion Ratio Lower Upper
56 100
69 150.5 25.0 37.6#
84 106.9 71.4 107.2

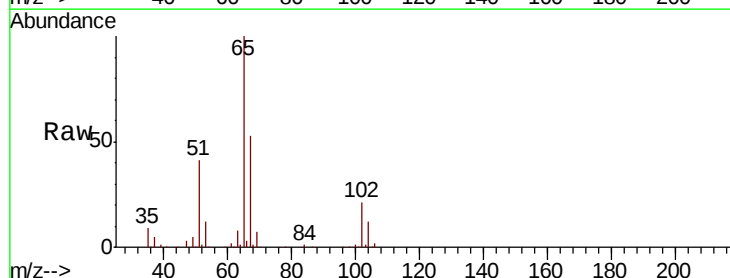


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

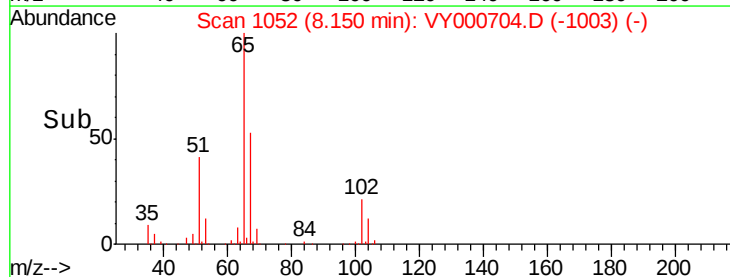
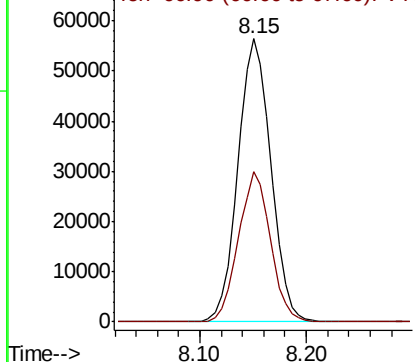


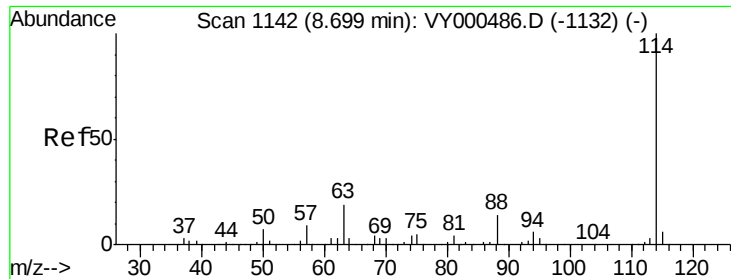
#33
1,2-Dichloroethane-d4
Concen: 62.238 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

Tgt Ion: 65 Resp: 122707
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

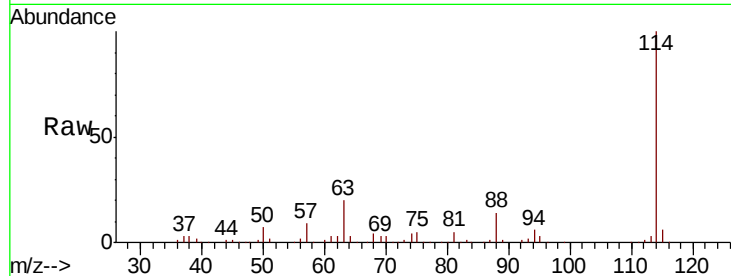




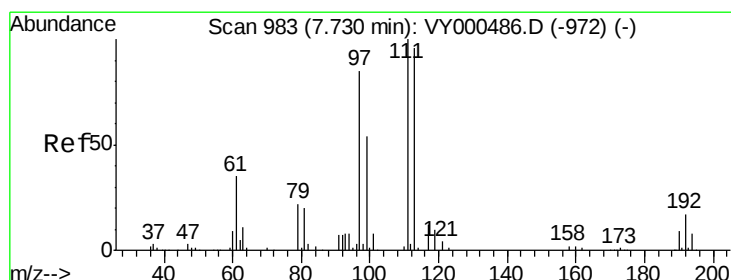
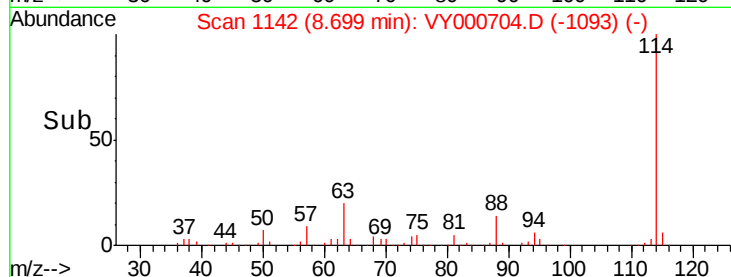
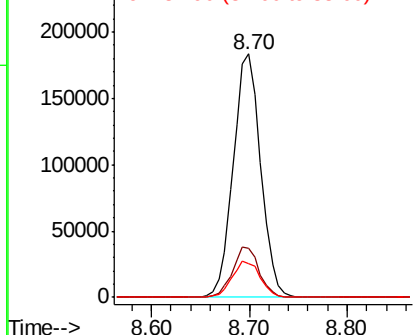
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000704.D
 Acq: 15 Nov 2019 16:20

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.0
88	14.1	0.0	28.6

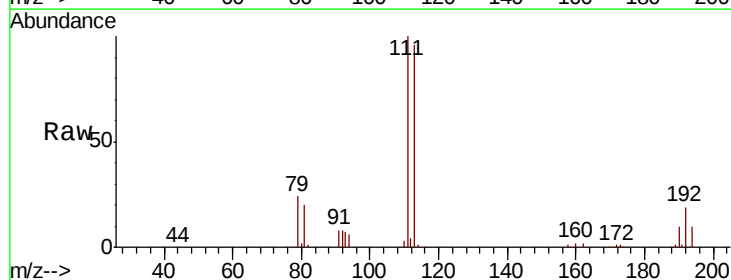


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

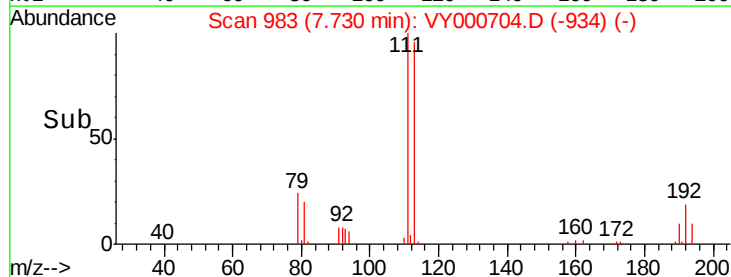
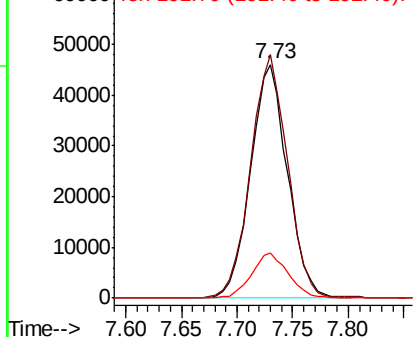


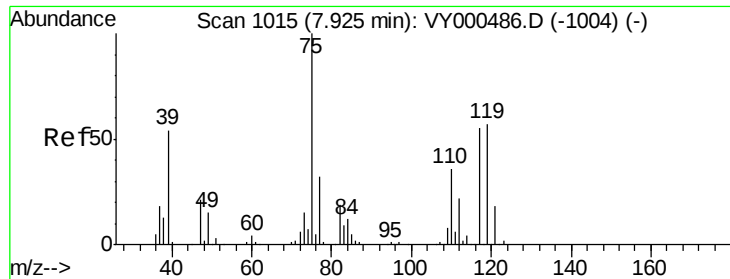
#35
 Dibromofluoromethane
 Concen: 50.755 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000704.D
 Acq: 15 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.7	122.5
192	19.1	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

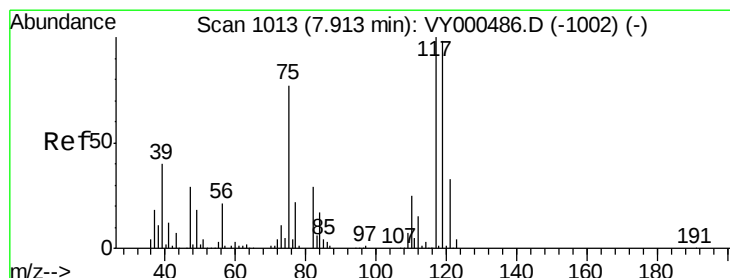
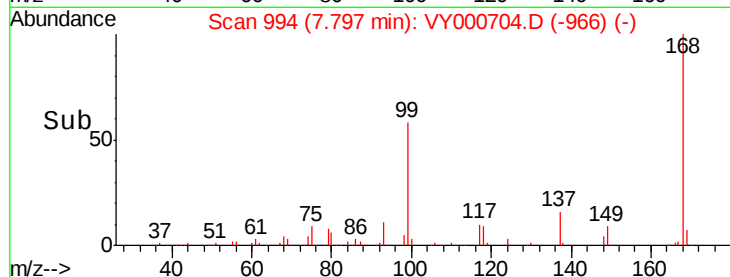
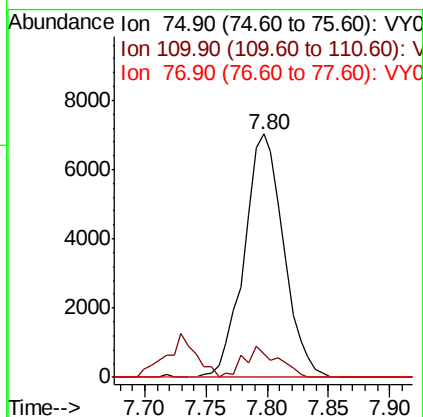
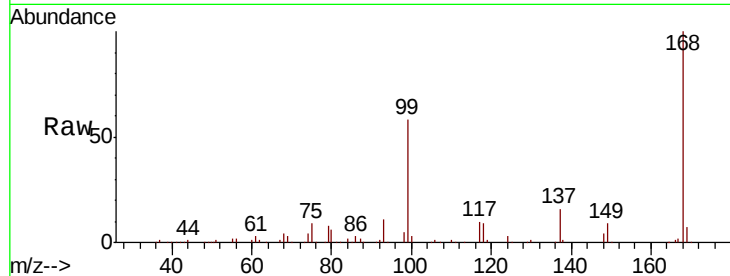




#36
 1,1-Dichloropropene
 Concen: 4.687 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000704.D
 Acq: 15 Nov 2019 16:20

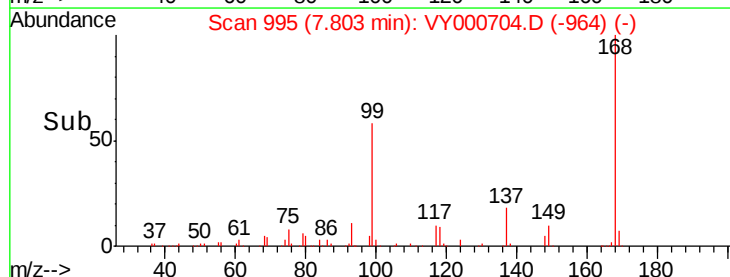
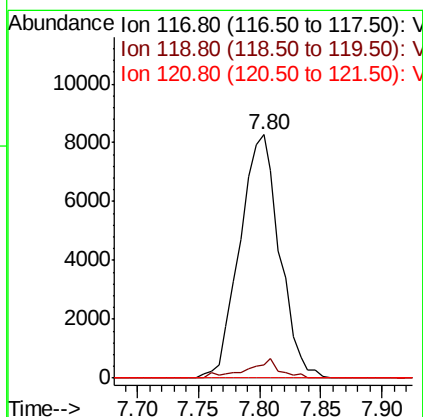
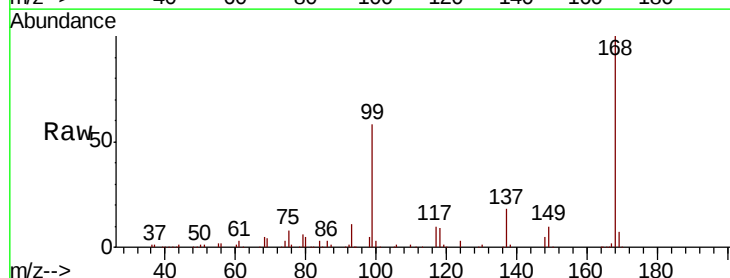
Instrument :
 MSVOA_Y
 ClientSampleId :

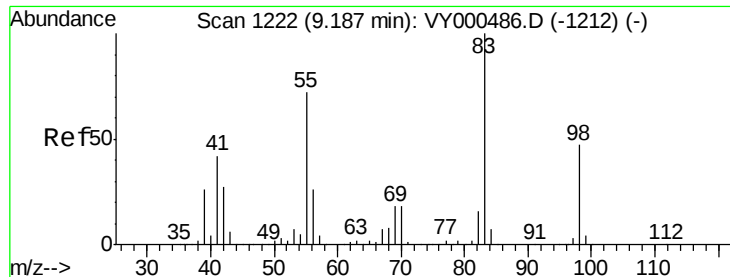
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.777 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.11 min
 Lab File: VY000704.D
 Acq: 15 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.0	117.0#
121	0.0	26.6	40.0#

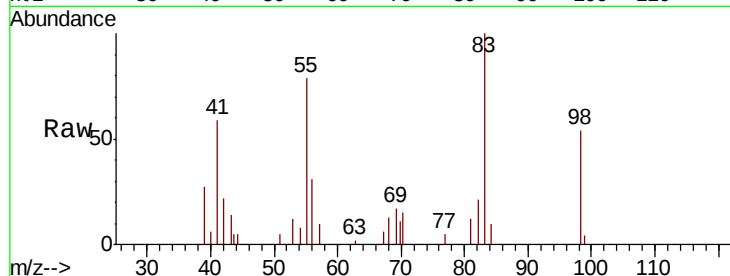




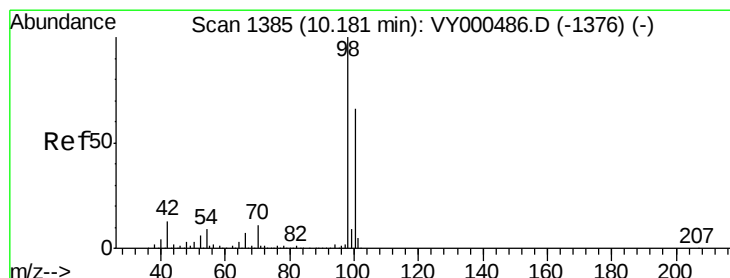
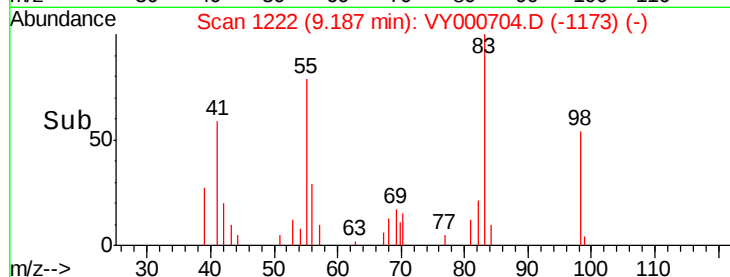
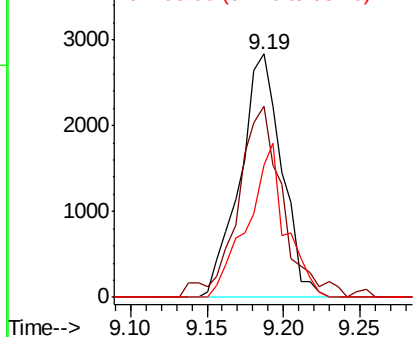
#39
Methvlcvclohexane
Concen: 1.239 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 83 Resp: 5391
Ion Ratio Lower Upper
83 100
55 74.3 57.5 86.3
98 54.4 38.0 57.0

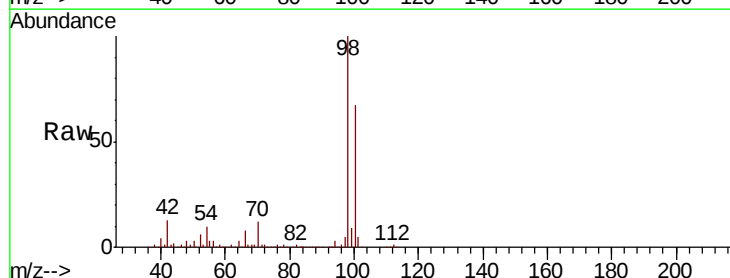


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

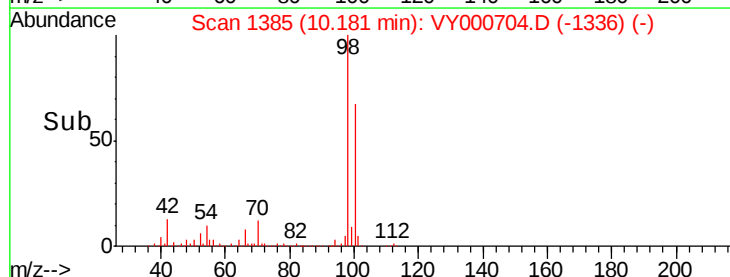
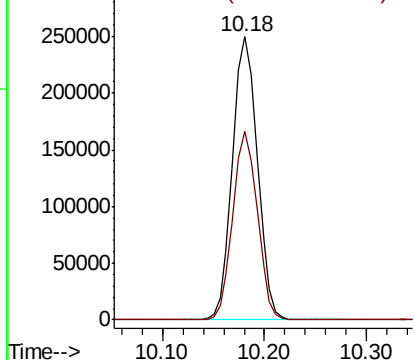


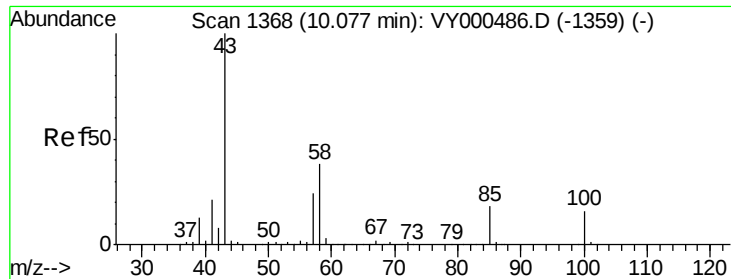
#50
Toluene-d8
Concen: 53.142 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

Tgt Ion: 98 Resp: 421790
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



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

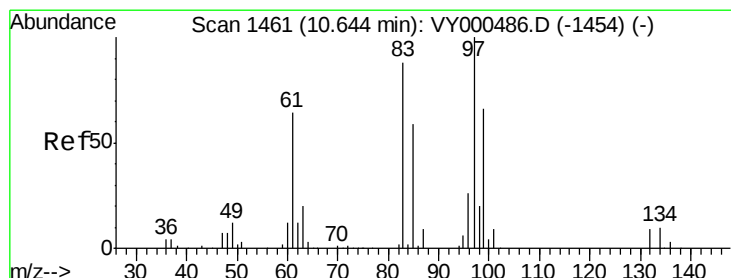
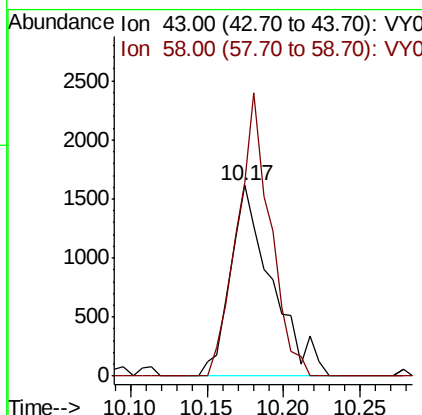
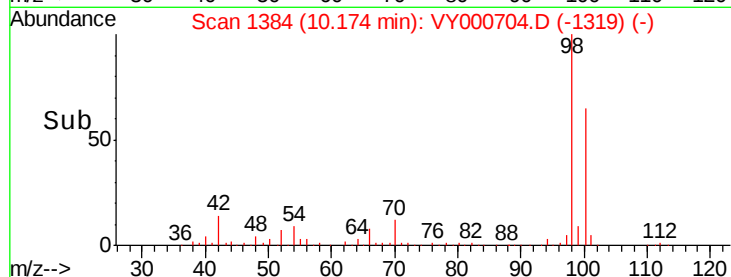
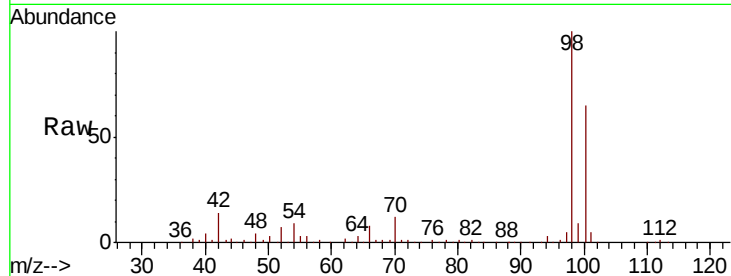




#51
4-Methyl-2-Pentanone
Concen: 1.525 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. 0.10 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

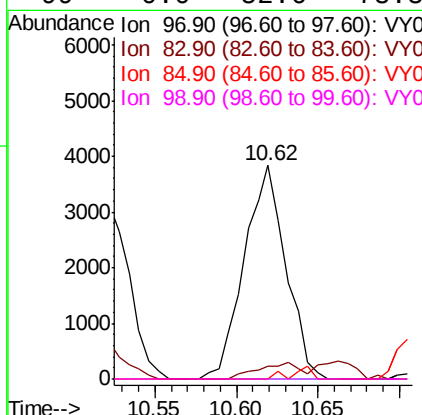
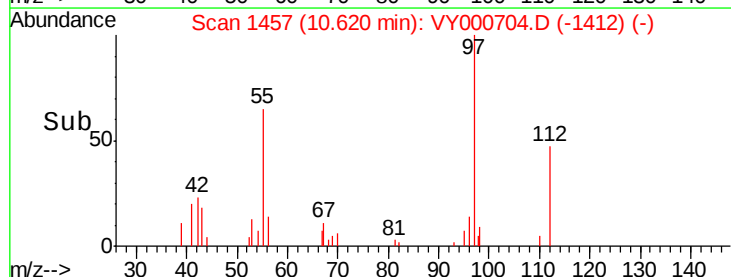
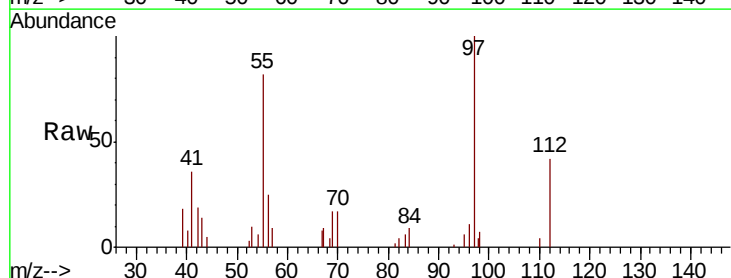
Instrument :
MSVOA_Y
ClientSampled :

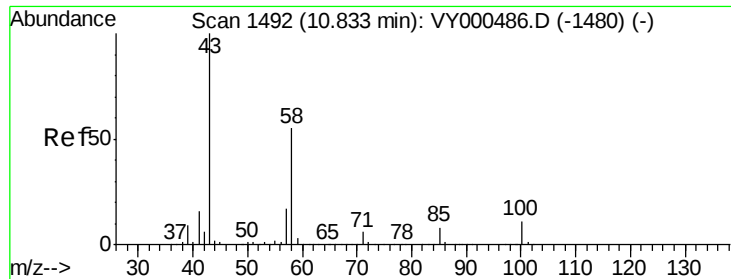
Tot Ion: 43 Resp: 3046
Ion Ratio Lower Upper
43 100
58 117.3 30.2 45.4#



#55
1,1,2-Trichloroethane
Concen: 3.527 ug/l
RT: 10.62 min Scan# 1457
Delta R.T. -0.02 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

Tgt Ion: 97 Resp: 6818
Ion Ratio Lower Upper
97 100
83 6.2 70.2 105.4#
85 0.0 46.9 70.3#
99 0.0 52.6 78.8#





#59

2-Hexanone

Concen: 2.479 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.03 min

Lab File: VY000704.D

Acq: 15 Nov 2019 16:20

Instrument :

MSVOA_Y

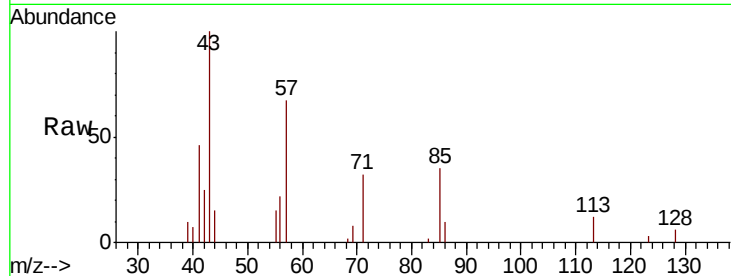
ClientSampleId :

Tot Ion: 43 Resp: 3608

Ion Ratio Lower Upper

43 100

58 0.9 27.1 81.3#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.80

2500

2000

1500

1000

500

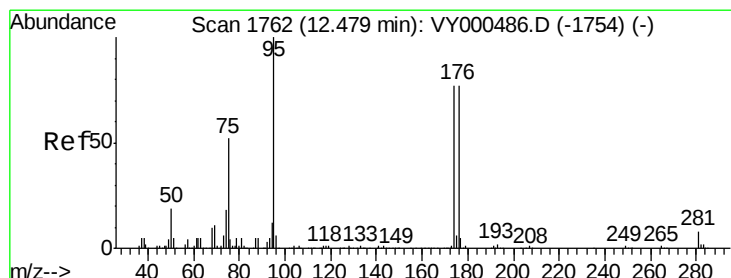
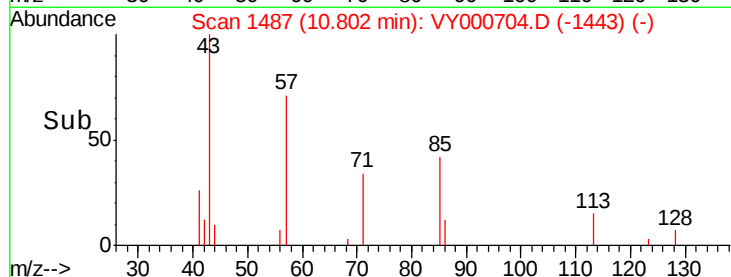
0

Time-->

10.75

10.80

10.85



#62

4-Bromofluorobenzene

Concen: 48.883 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000704.D

Acq: 15 Nov 2019 16:20

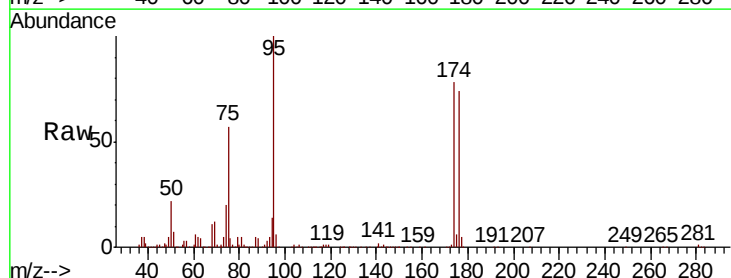
Tgt Ion: 95 Resp: 147705

Ion Ratio Lower Upper

95 100

174 80.1 0.0 161.6

176 76.5 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

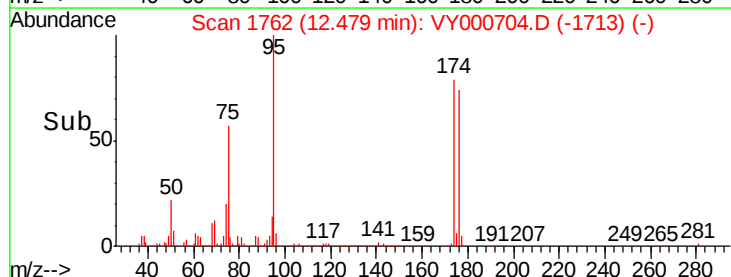
50000

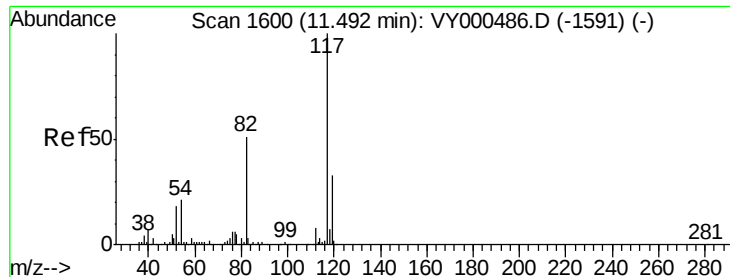
0

Time-->

12.40

12.50

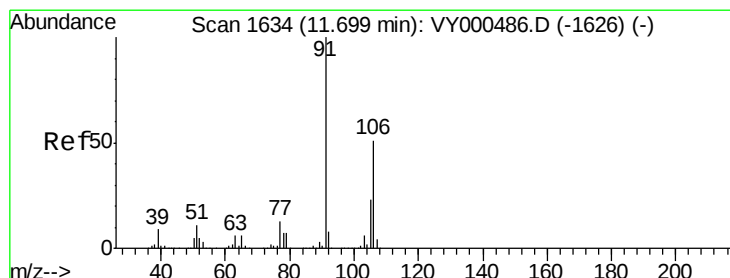
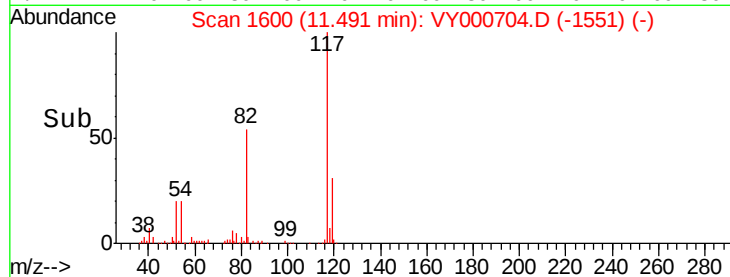
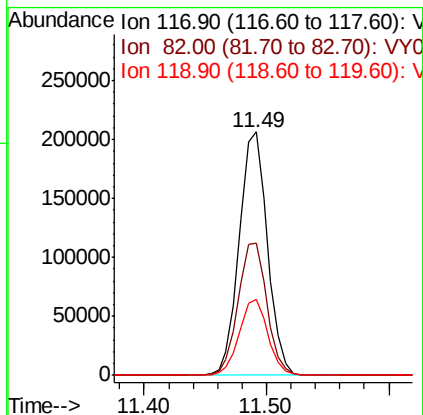
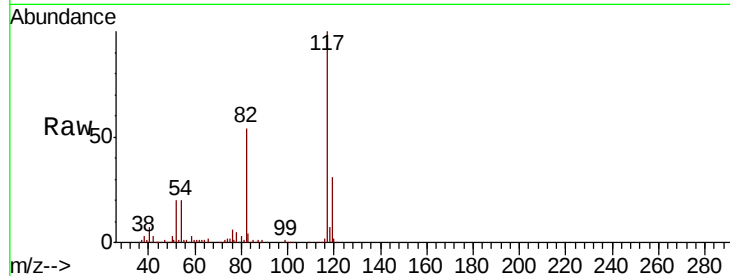




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

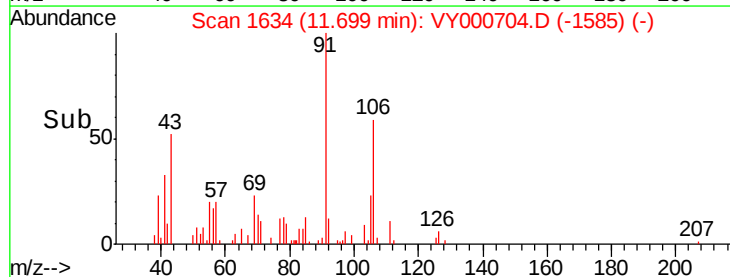
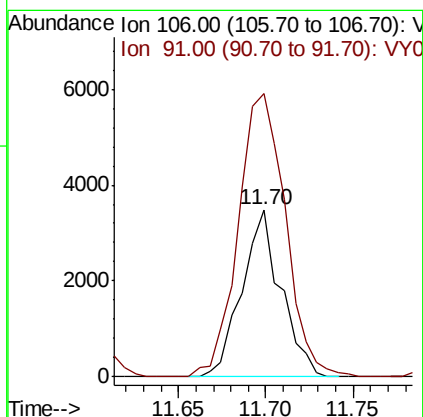
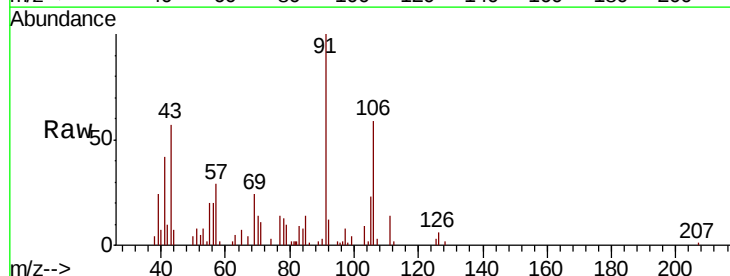
Instrument :
MSVOA_Y
ClientSampled :

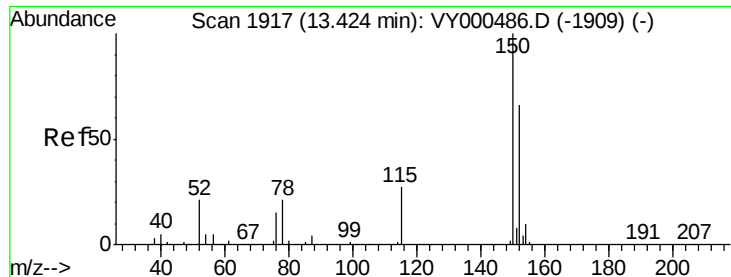
Tot Ion:117 Resp: 328583
Ion Ratio Lower Upper
117 100
82 54.1 40.8 61.2
119 31.1 26.2 39.2



#68
m/p-Xylenes
Concen: 1.139 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

Tgt Ion:106 Resp: 5403
Ion Ratio Lower Upper
106 100
91 205.2 155.9 233.9



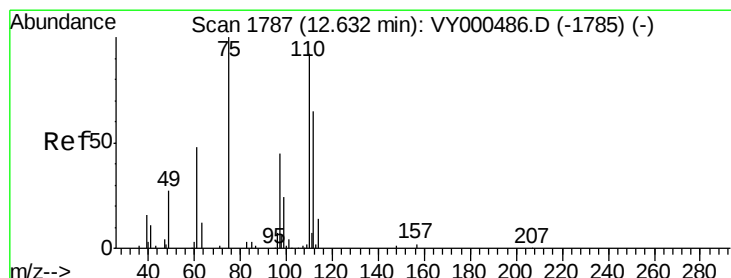
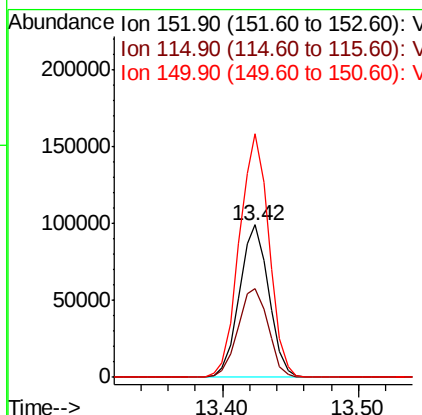
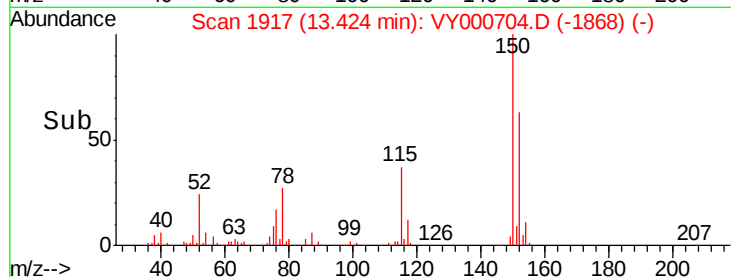
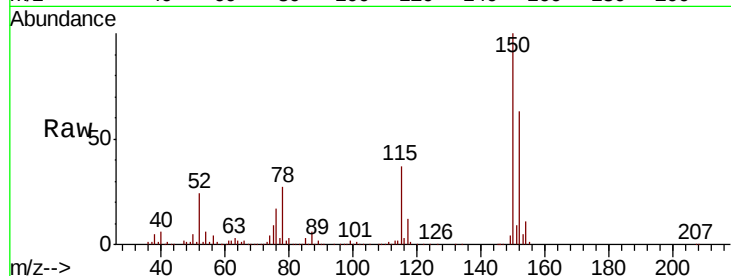


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

Instrument :
MSVOA_Y
ClientSampleId :

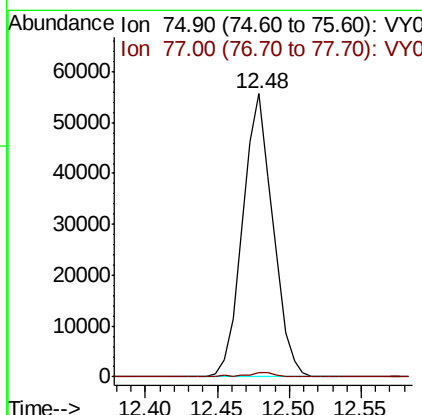
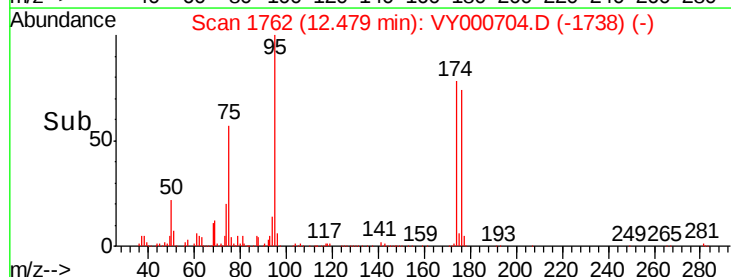
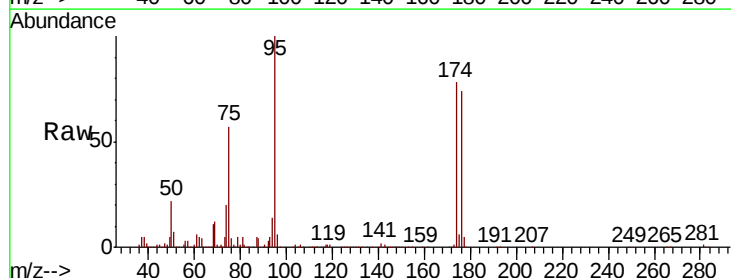
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.1	87.4
150	160.9	0.0	348.8

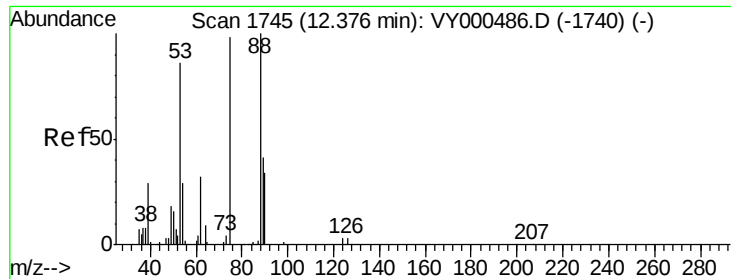


#76

1,2,3-Trichloropropane
Concen: 47.785 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000704.D
Acq: 15 Nov 2019 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 107.141 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000704.D

Acq: 15 Nov 2019 16:20

Instrument :

MSVOA_Y

ClientSampleId :

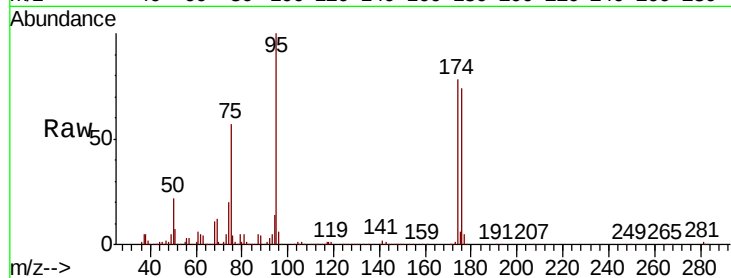
Tot Ion: 75 Resp: 80884

Ion Ratio Lower Upper

75 100

53 0.1 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

