

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000576.D
 Acq On : 07 Nov 2019 13:36
 Operator : SY/MD
 Sample : K5723-07
 Misc : 6.26G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:46:39 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	233715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	440340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	380276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	156148	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	151851	62.78	ug/l	0.00
Spiked Amount			Recovery	=	125.56%	
35) Dibromofluoromethane	7.74	113	131500	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
50) Toluene-d8	10.18	98	516089	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
62) 4-Bromofluorobenzene	12.48	95	168909	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

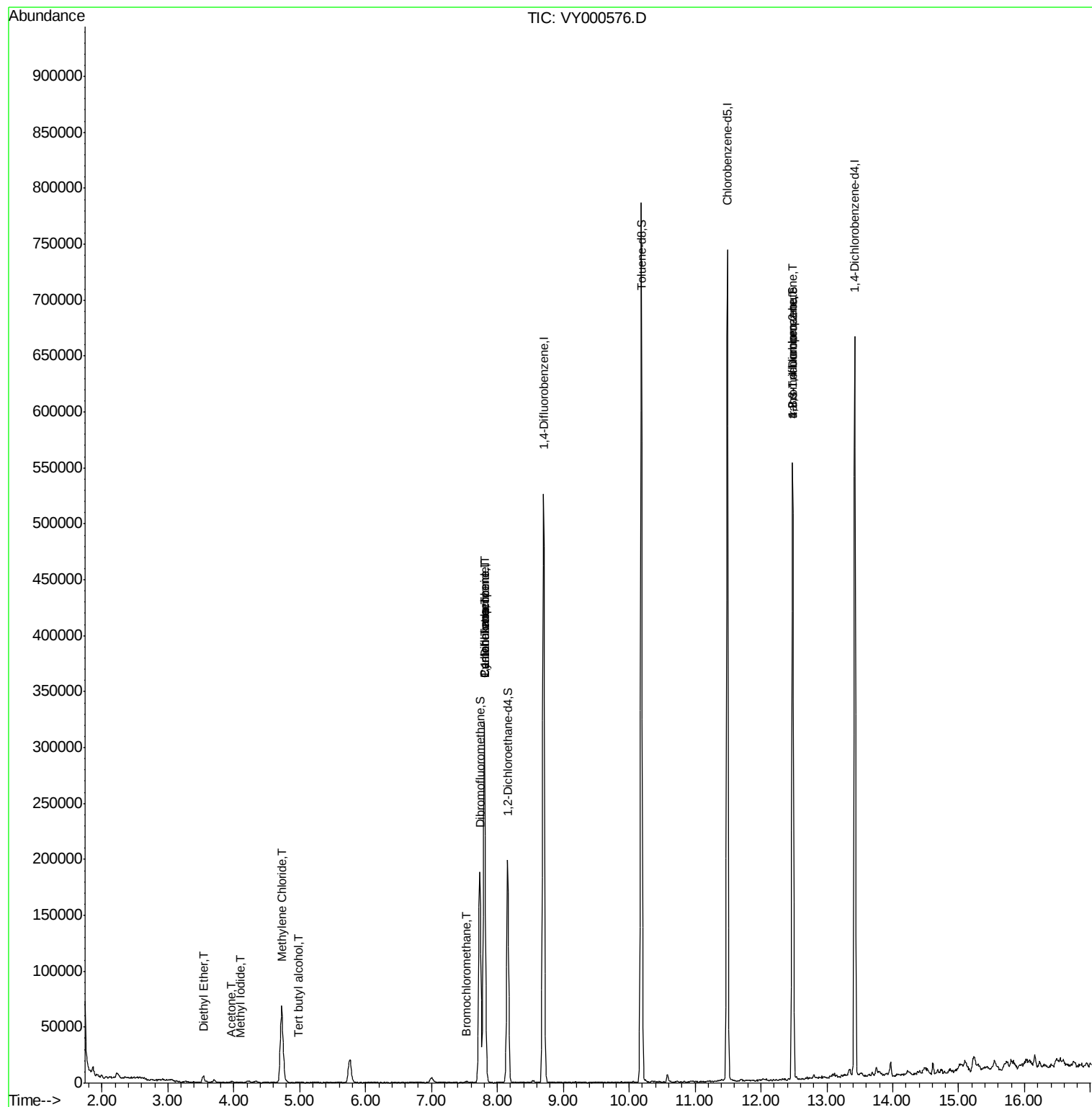
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	3174	2.247	ug/l	81
10) Methyl Iodide	4.10	142	22	3.206	ug/l #	41
11) Tert butyl alcohol	4.98	59	739	3.139	ug/l #	72
16) Acetone	3.96	43	1870	2.805	ug/l	98
20) Methylene Chloride	4.72	84	48725	17.059	ug/l	98
28) Bromochloromethane	7.53	49	52	4.116	ug/l #	14
31) Cyclohexane	7.80	56	5795	1.238	ug/l #	10
36) 1,1-Dichloropropene	7.80	75	20608	4.951	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24581	6.137	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	88174	49.593	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	88174	111.194	ug/l #	13

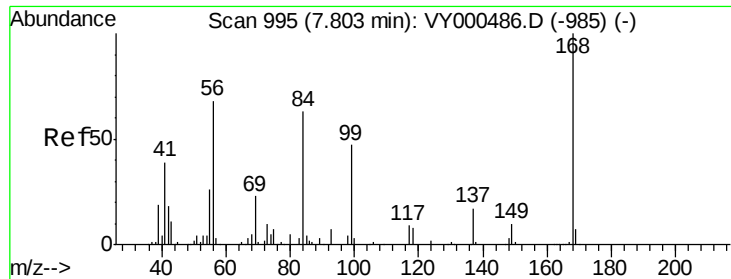
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000576.D

Acq: 07 Nov 2019 13:36

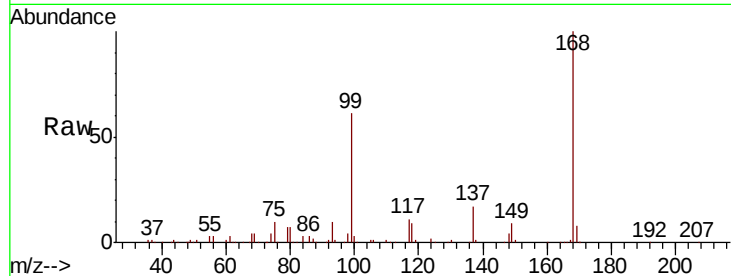
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 233715

Ion Ratio Lower Upper

168 100

99 60.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VY000486.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY000486.D (-985) (-)

7.80

120000

100000

80000

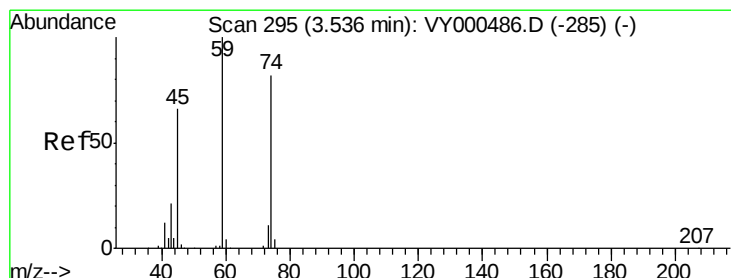
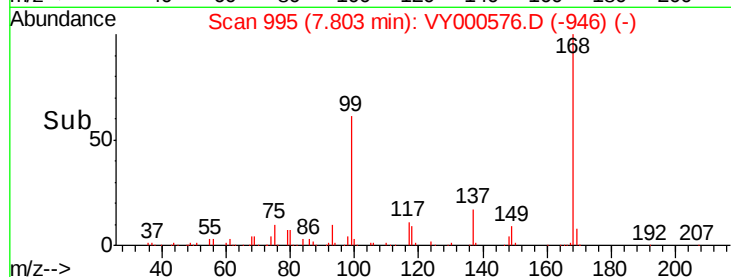
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 2.247 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY000576.D

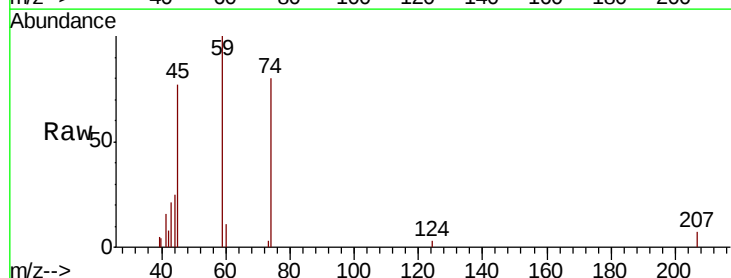
Acq: 07 Nov 2019 13:36

Tgt Ion: 74 Resp: 3174

Ion Ratio Lower Upper

74 100

45 108.5 45.5 136.4



Abundance Ion 74.00 (73.70 to 74.70): VY000486.D (-285) (-)

Ion 45.00 (44.70 to 45.70): VY000486.D (-285) (-)

3.54

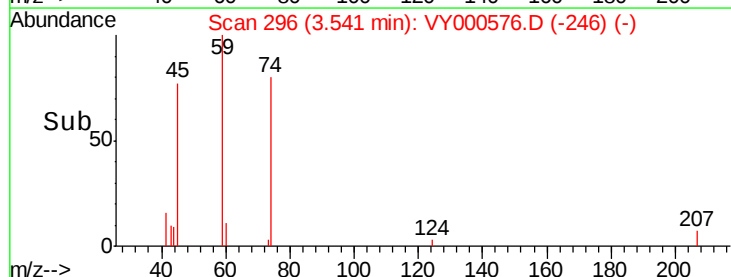
1500

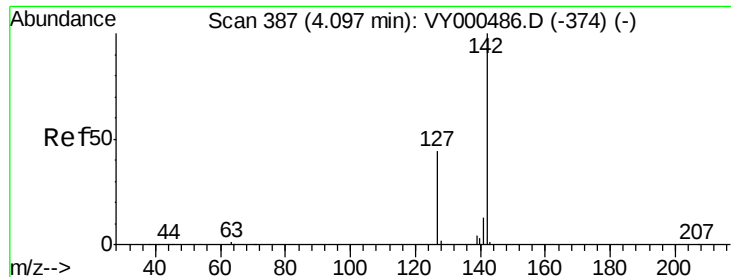
1000

500

0

Time-->

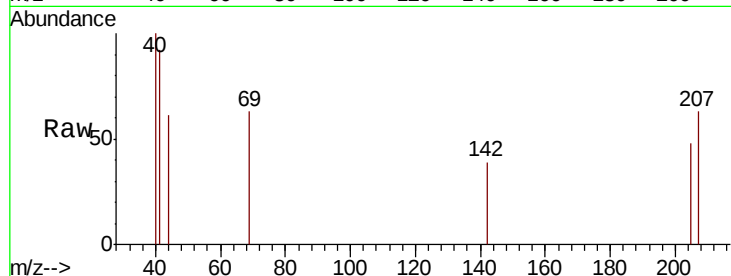




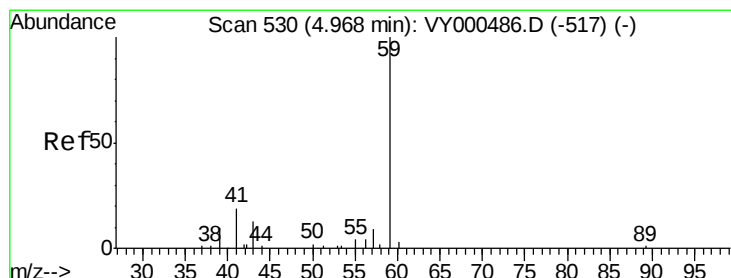
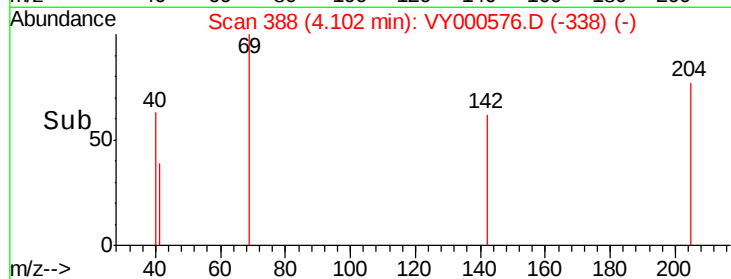
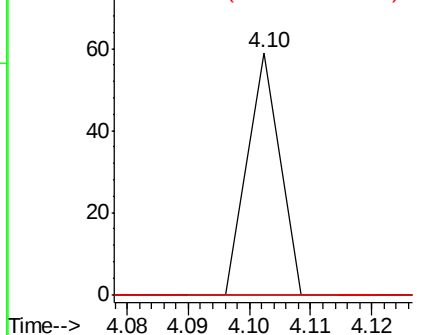
#10
Methyl Iodide
Concen: 3.206 ug/l
RT: 4.10 min Scan# 388
Delta R.T. 0.01 min
Lab File: VY000576.D
Acq: 07 Nov 2019 13:36

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:142 Resp: 22
Ion Ratio Lower Upper
142 100
127 0.0 33.7 50.5#
141 0.0 10.9 16.3#

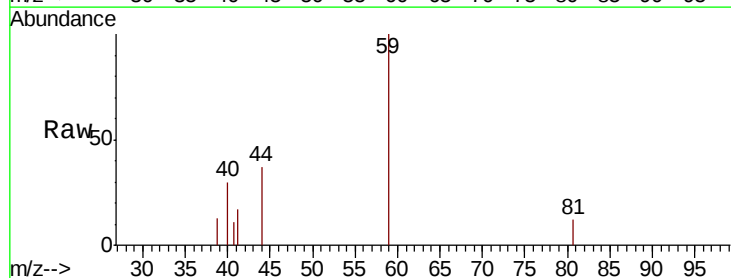


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

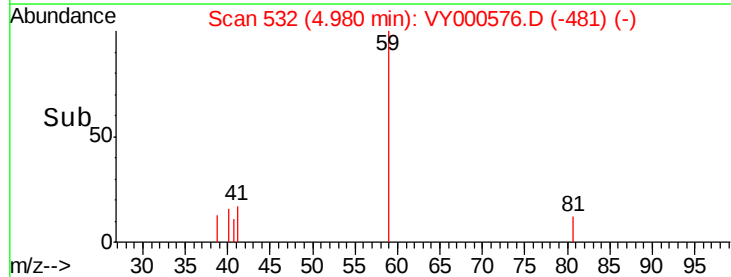
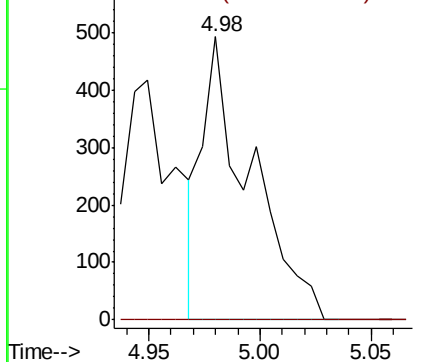


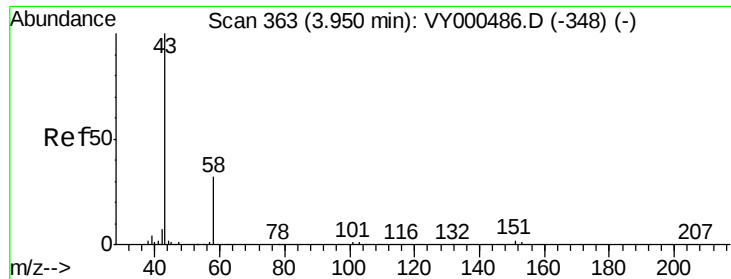
#11
Tert butyl alcohol
Concen: 3.139 ug/l
RT: 4.98 min Scan# 532
Delta R.T. 0.01 min
Lab File: VY000576.D
Acq: 07 Nov 2019 13:36

Tgt Ion: 59 Resp: 739
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: 2.805 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000576.D

Acq: 07 Nov 2019 13:36

Instrument :

MSVOA_Y

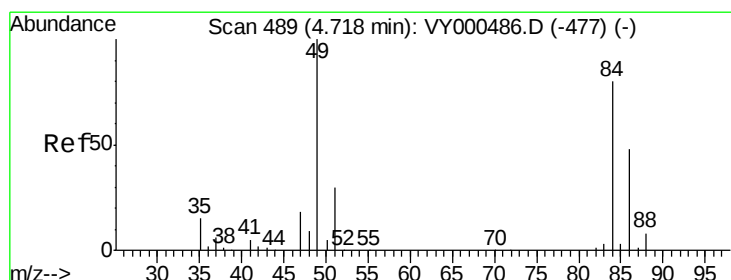
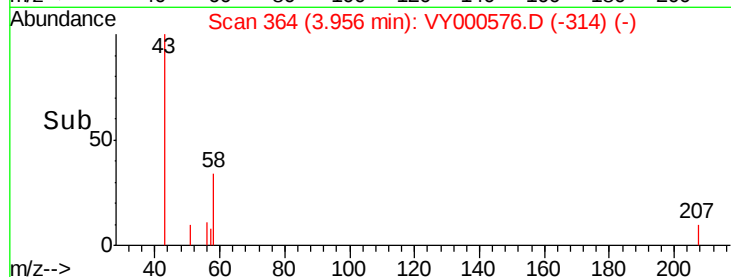
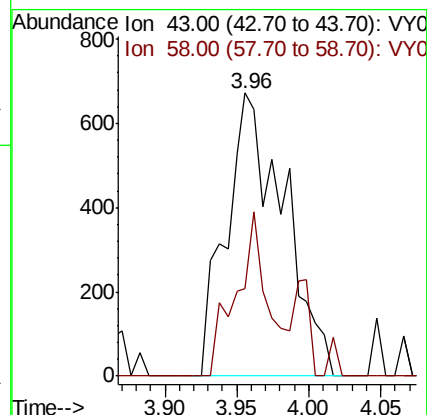
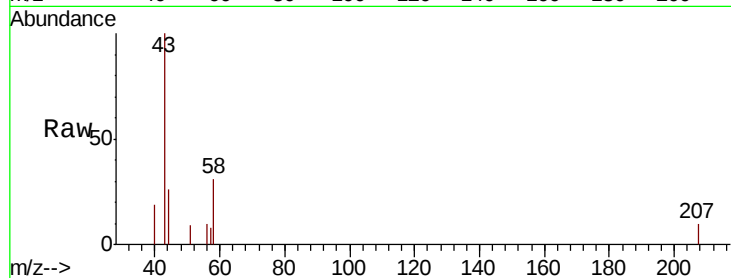
ClientSampleId :

Tot Ion: 43 Resp: 1870

Ion Ratio Lower Upper

43 100

58 31.1 25.8 38.6



#20

Methylene Chloride

Concen: 17.059 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000576.D

Acq: 07 Nov 2019 13:36

Tgt Ion: 84 Resp: 48725

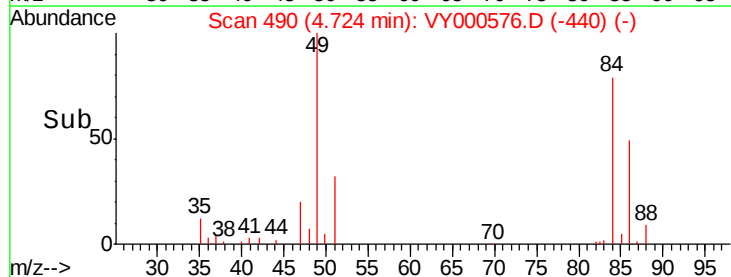
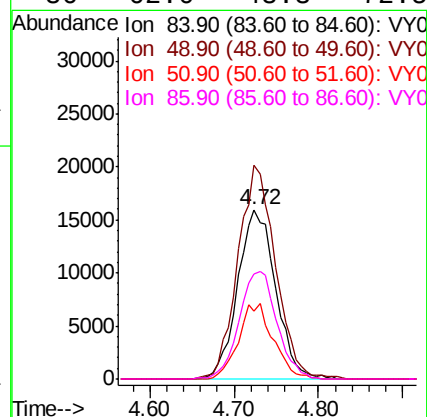
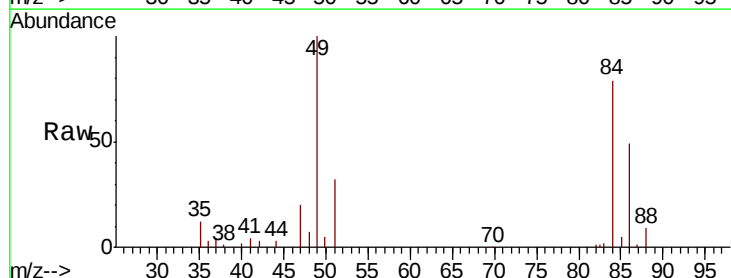
Ion Ratio Lower Upper

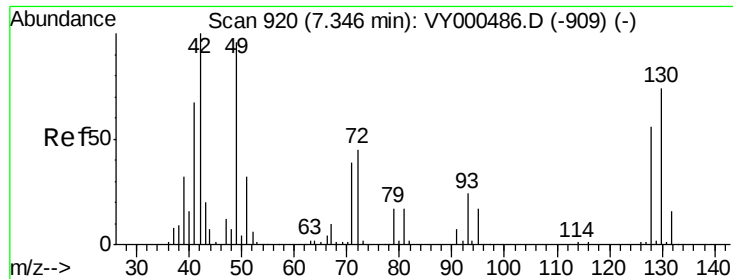
84 100

49 126.0 100.2 150.4

51 40.0 29.6 44.4

86 62.0 48.3 72.5





#28

Bromochloromethane

Concen: 4.116 ug/l

RT: 7.53 min Scan# 950

Delta R.T. 0.18 min

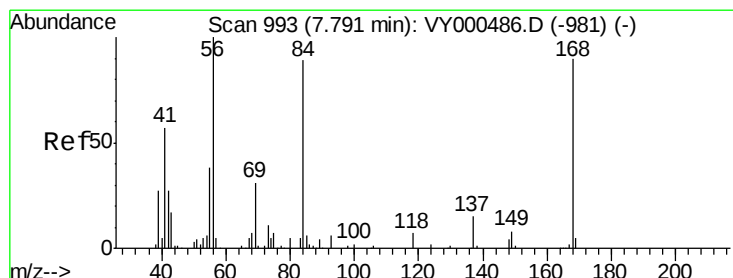
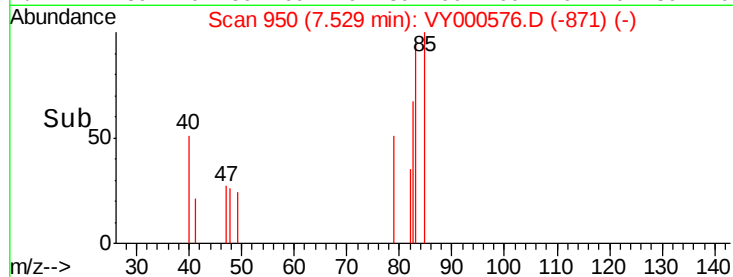
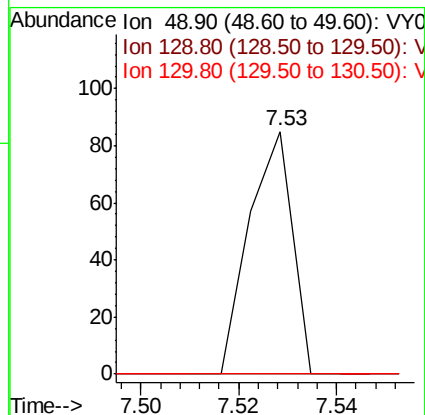
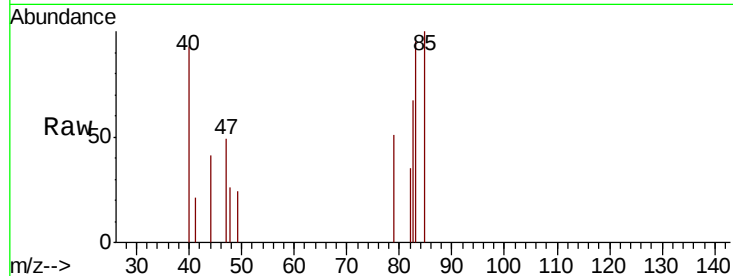
Lab File: VY000576.D

Acq: 07 Nov 2019 13:36

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 52

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	59.4	89.0#



#31

Cyclohexane

Concen: 1.238 ug/l

RT: 7.80 min Scan# 995

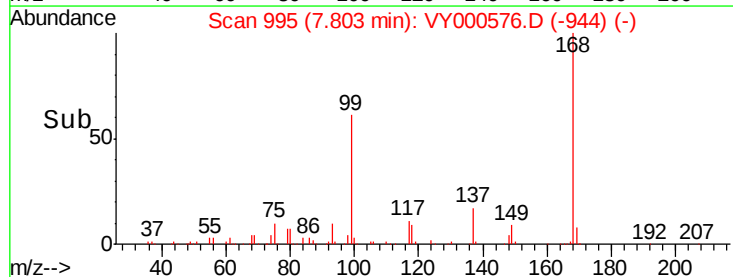
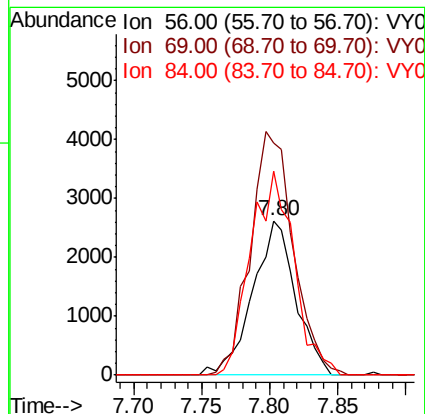
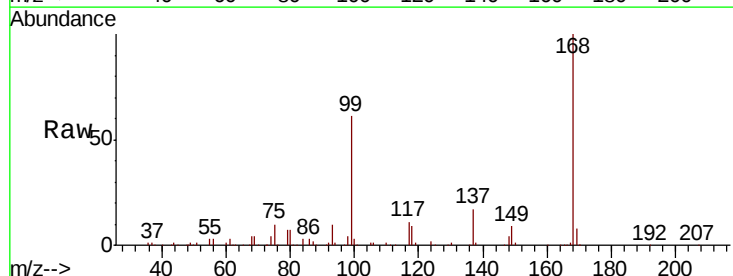
Delta R.T. 0.01 min

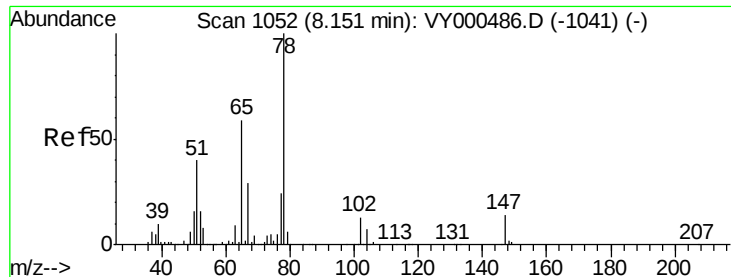
Lab File: VY000576.D

Acq: 07 Nov 2019 13:36

Tgt Ion: 56 Resp: 5795

Ion	Ratio	Lower	Upper
56	100		
69	150.1	25.0	37.6#
84	131.9	71.4	107.2#





#33

1,2-Dichloroethane-d4

Concen: 62.784 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VY000576.D

Acq: 07 Nov 2019 13:36

Instrument :

MSVOA_Y

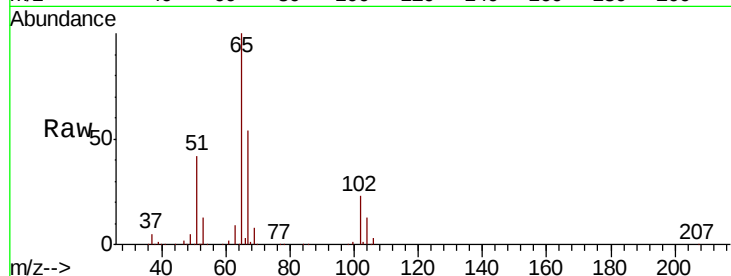
ClientSampleId :

Tot Ion: 65 Resp: 151851

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY000486.D (-1041) (-)

Ion 66.90 (66.60 to 67.60): VY000486.D (-1041) (-)

8.16

60000

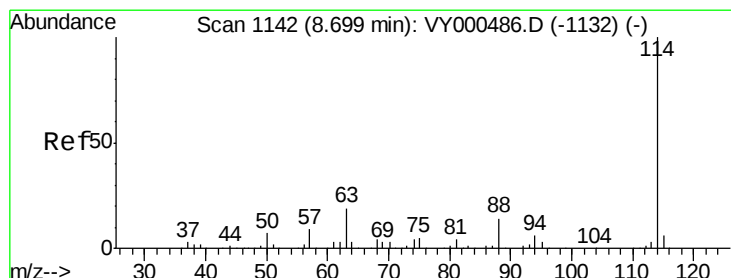
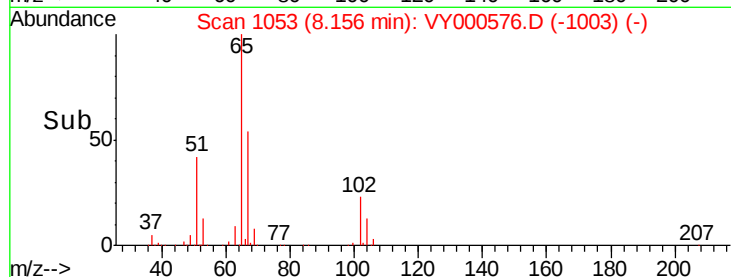
40000

20000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VY000576.D

Acq: 07 Nov 2019 13:36

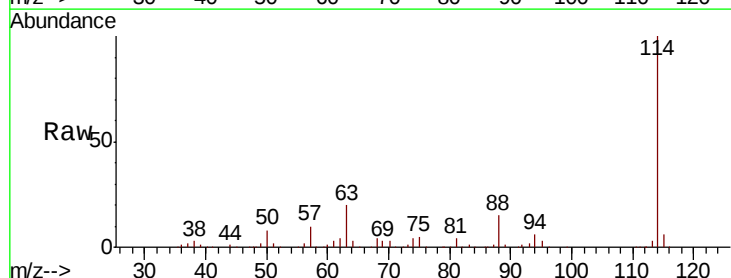
Tgt Ion: 114 Resp: 440340

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

88 15.5 0.0 28.6



Abundance Ion 113.90 (113.60 to 114.60): VY000486.D (-1132) (-)

Ion 63.00 (62.70 to 63.70): VY000486.D (-1132) (-)

Ion 87.90 (87.60 to 88.60): VY000486.D (-1132) (-)

8.70

300000

250000

200000

150000

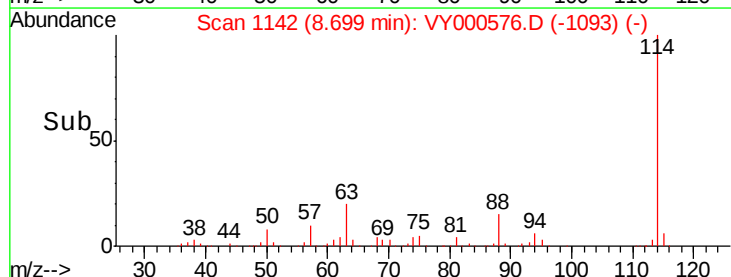
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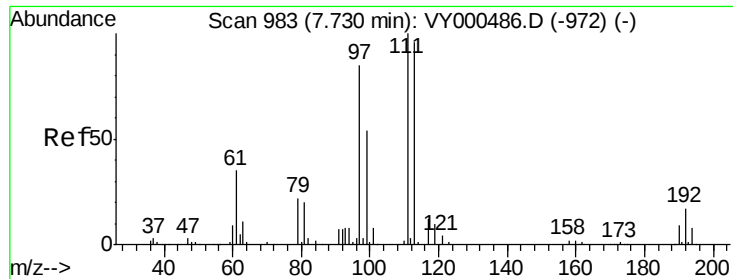
50000

0

8.60 8.70 8.80

Time-->

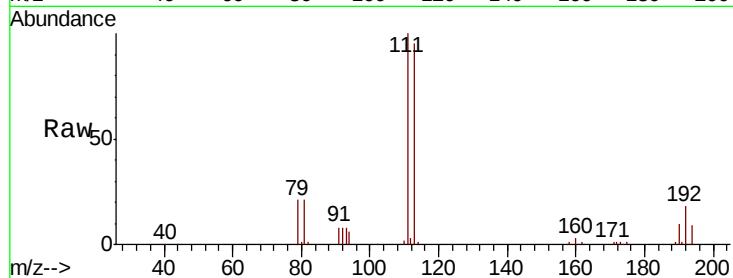




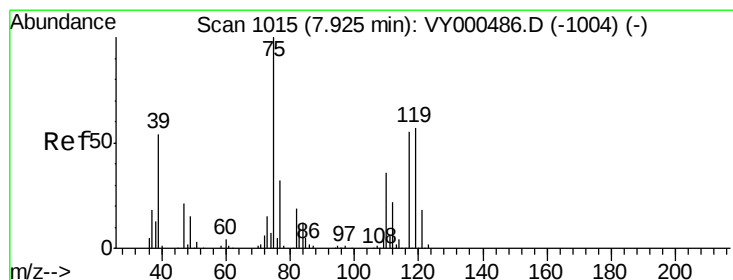
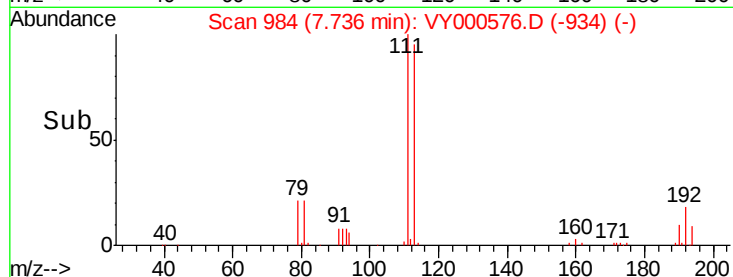
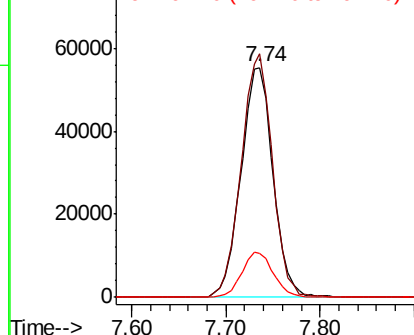
#35
Dibromofluoromethane
Concen: 50.869 ug/l
RT: 7.74 min Scan# 984
Delta R.T. 0.01 min
Lab File: VY000576.D
Acq: 07 Nov 2019 13:36

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:113 Resp: 131500
Ion Ratio Lower Upper
113 100
111 103.3 81.7 122.5
192 19.3 15.0 22.4

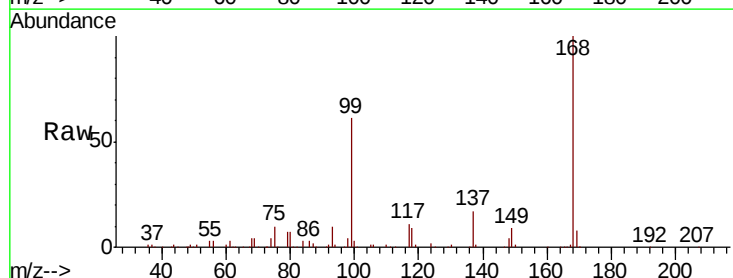


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

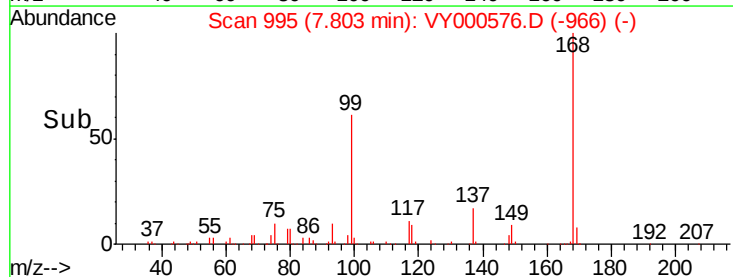
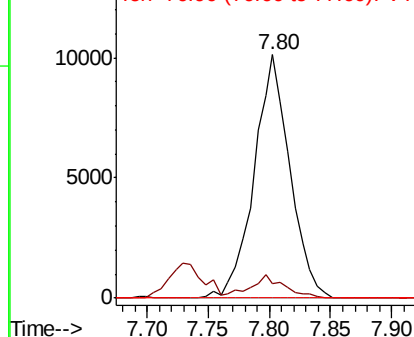


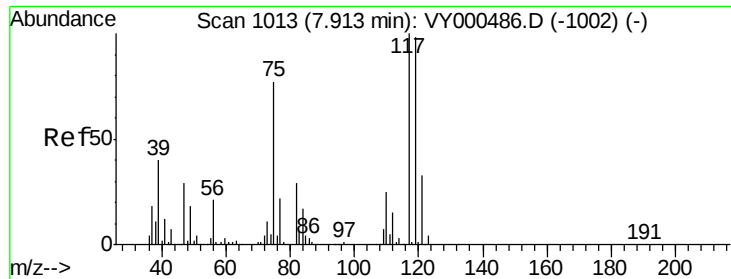
#36
1,1-Dichloropropene
Concen: 4.951 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.12 min
Lab File: VY000576.D
Acq: 07 Nov 2019 13:36

Tgt Ion: 75 Resp: 20608
Ion Ratio Lower Upper
75 100
110 9.0 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

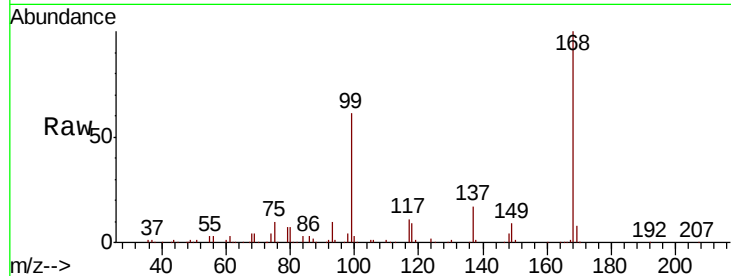




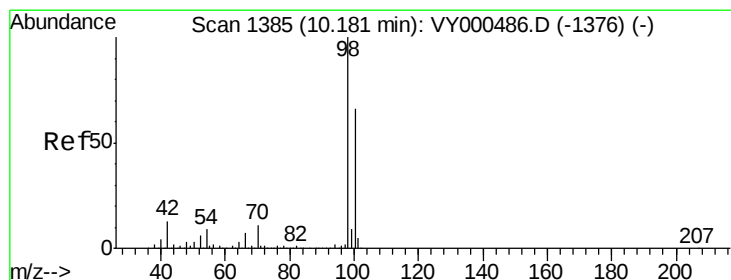
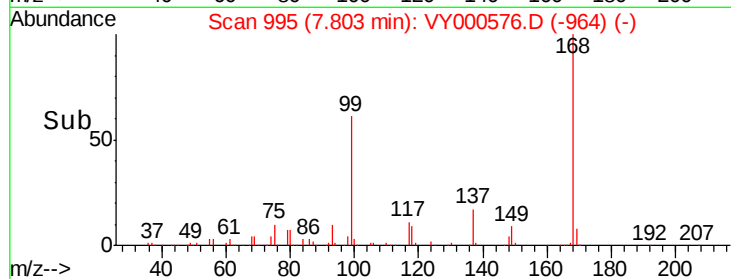
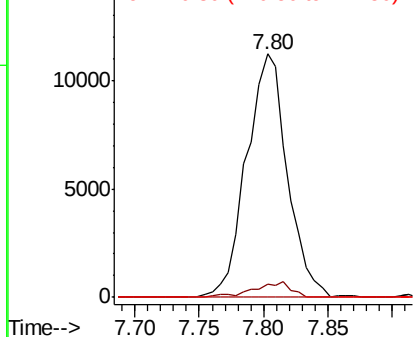
#38
Carbon Tetrachloride
Concen: 6.137 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000576.D
Acq: 07 Nov 2019 13:36

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 24581
Ion Ratio Lower Upper
117 100
119 5.2 78.0 117.0#
121 0.0 26.6 40.0#

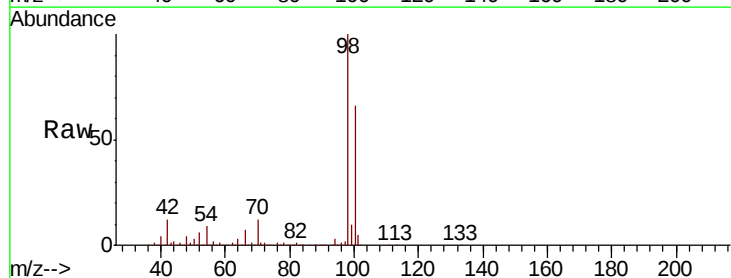


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

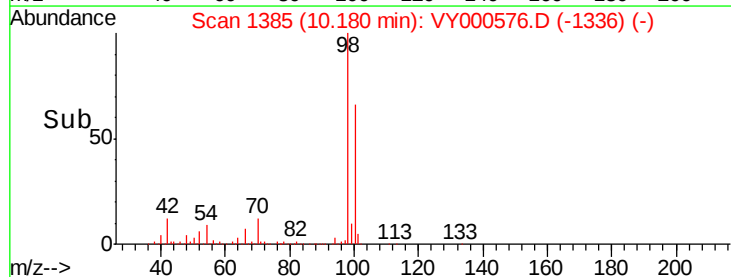
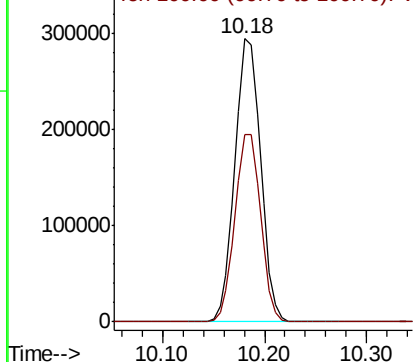


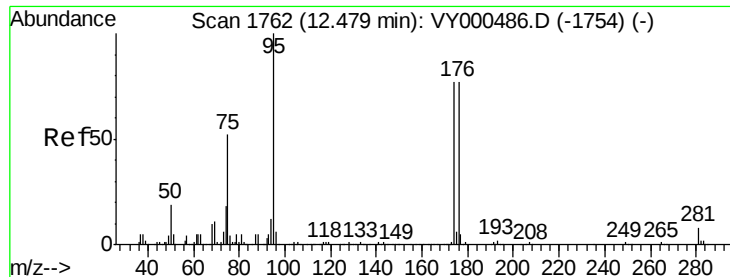
#50
Toluene-d8
Concen: 52.614 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000576.D
Acq: 07 Nov 2019 13:36

Tgt Ion: 98 Resp: 516089
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



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





#62

4-Bromofluorobenzene

Concen: 45.233 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000576.D

Acq: 07 Nov 2019 13:36

Instrument :

MSVOA_Y

ClientSampleId :

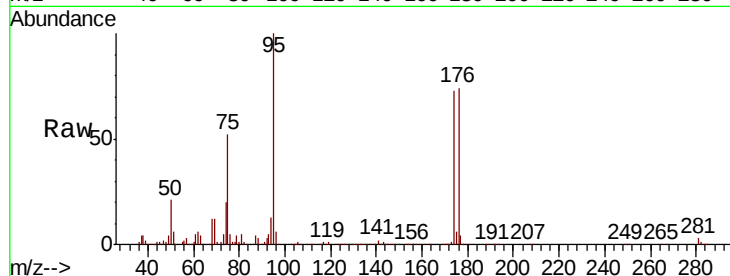
Tot Ion: 95 Resp: 168909

Ion Ratio Lower Upper

95 100

174 77.9 0.0 161.6

176 75.4 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY000576.D (-1754) (-)

Ion 173.80 (173.50 to 174.50): VY000576.D (-1754) (-)

Ion 175.80 (175.50 to 176.50): VY000576.D (-1754) (-)

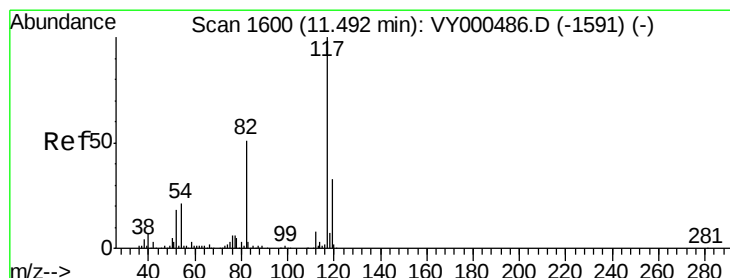
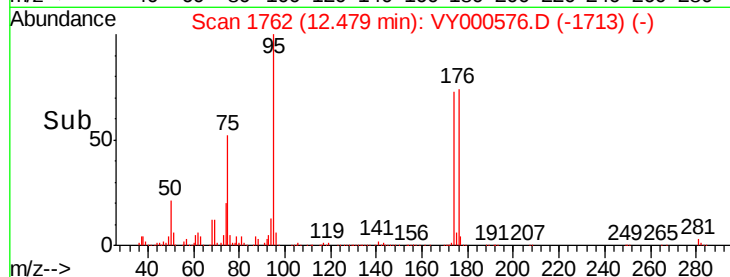
12.48

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: VY000576.D

Acq: 07 Nov 2019 13:36

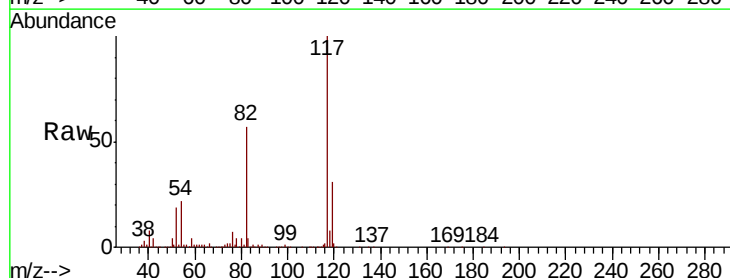
Tgt Ion: 117 Resp: 380276

Ion Ratio Lower Upper

117 100

82 56.8 40.8 61.2

119 31.1 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VY000576.D (-1591) (-)

Ion 82.00 (81.70 to 82.70): VY000576.D (-1591) (-)

Ion 118.90 (118.60 to 119.60): VY000576.D (-1591) (-)

11.49

300000

250000

200000

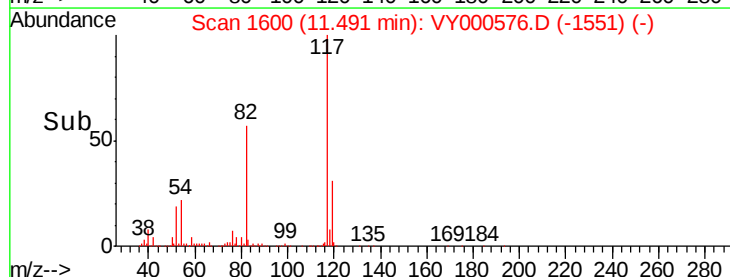
150000

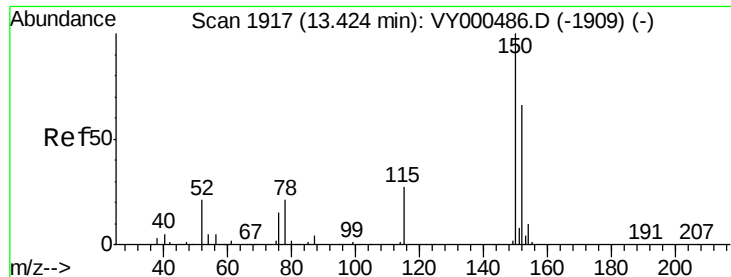
100000

50000

0

Time-->



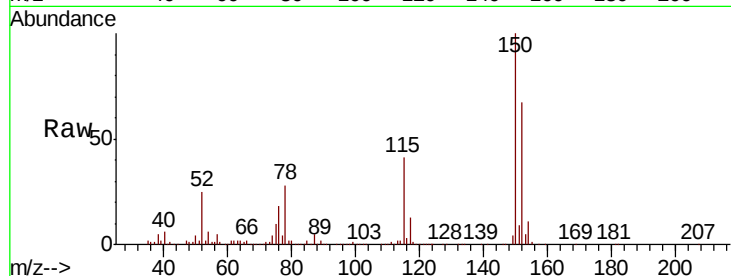


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000576.D
Acq: 07 Nov 2019 13:36

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.1	87.4
150	154.8	0.0	348.8

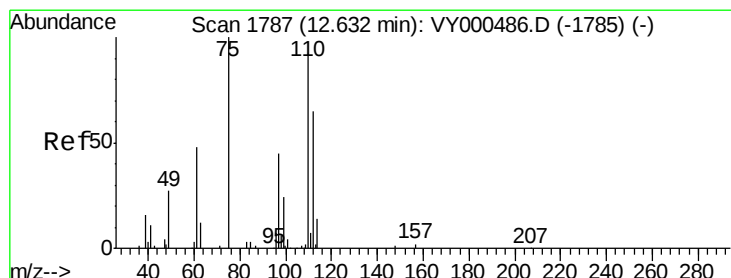
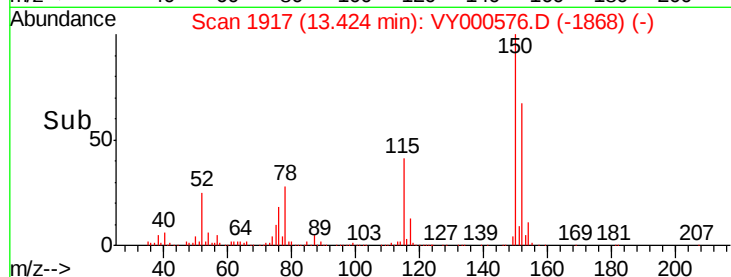
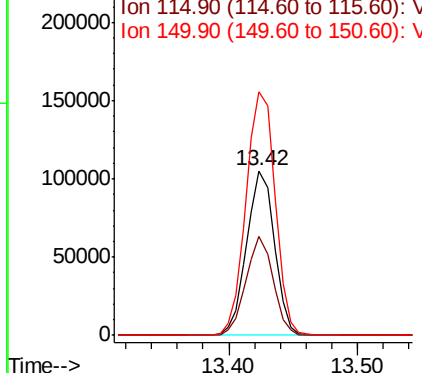


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

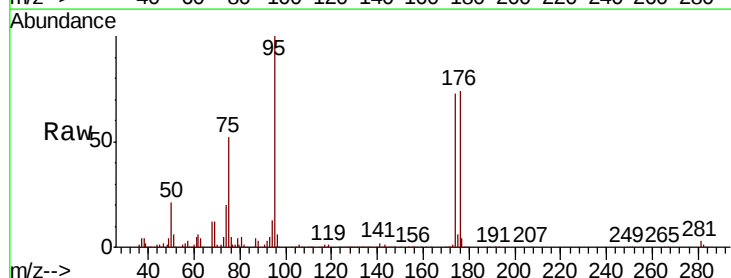
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 49.593 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000576.D
Acq: 07 Nov 2019 13:36

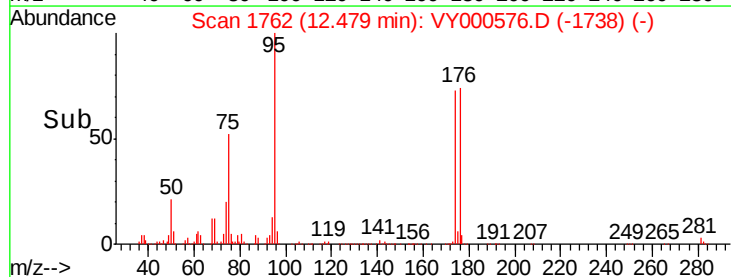
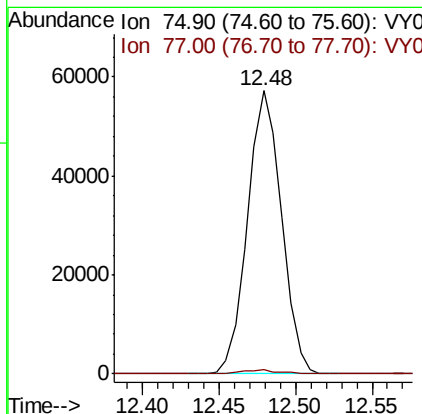
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	0.0	0.0#

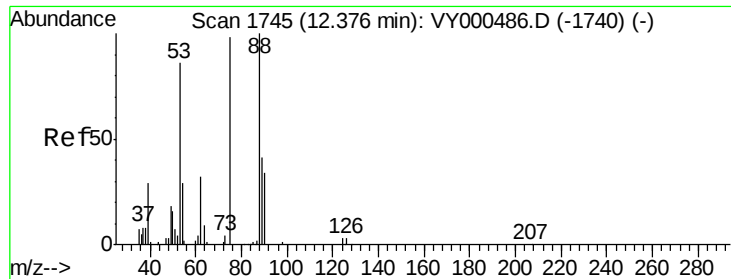


Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

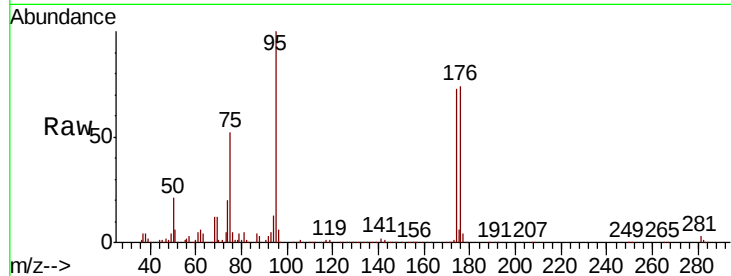




#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.194 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY000576.D
 Acq: 07 Nov 2019 13:36

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 88174
 Ion Ratio Lower Upper
 75 100
 53 0.1 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

