

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY110719\
 Data File : VY000574.D
 Acq On : 07 Nov 2019 12:52
 Operator : SY/MD
 Sample : K5723-05RE
 Misc : 7.42G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 08 03:46:15 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	240675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	436967	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	396086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	148683	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	149998	60.22	ug/l	0.00
Spiked Amount			Recovery	=	120.44%	
35) Dibromofluoromethane	7.73	113	134498	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
50) Toluene-d8	10.18	98	532523	54.71	ug/l	0.00
Spiked Amount			Recovery	=	109.42%	
62) 4-Bromofluorobenzene	12.48	95	167147	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

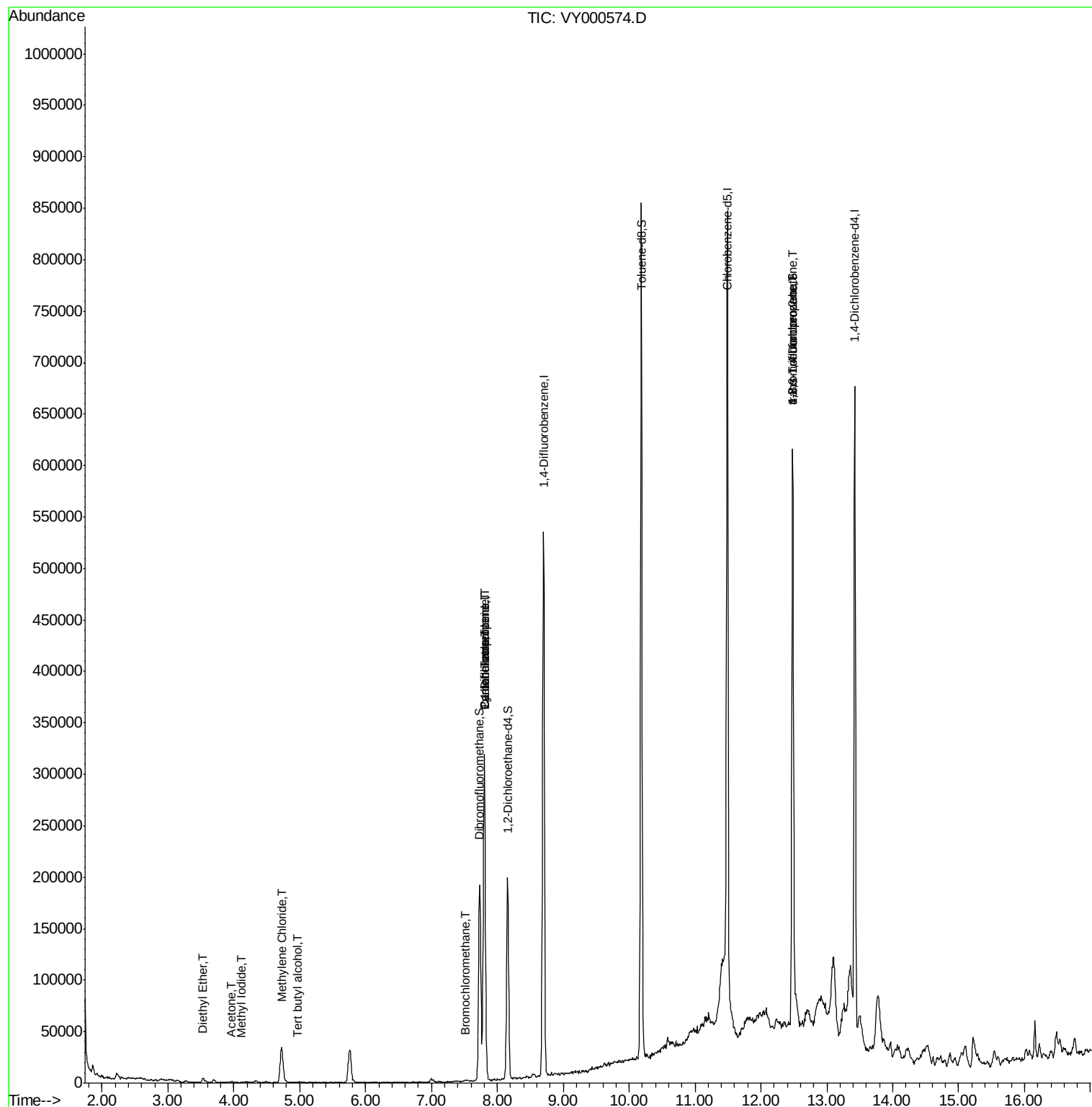
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.53	74	2525	1.736	ug/l	83
10) Methyl Iodide	4.11	142	53	3.215	ug/l #	41
11) Tert butyl alcohol	4.97	59	1267	5.226	ug/l #	72
16) Acetone	3.96	43	1788	2.605	ug/l #	71
20) Methylene Chloride	4.72	84	26021	8.846	ug/l #	86
28) Bromochloromethane	7.52	49	44	4.112	ug/l #	14
31) Cyclohexane	7.80	56	5742	1.191	ug/l #	1
36) 1,1-Dichloropropene	7.81	75	19366	4.688	ug/l #	50
38) Carbon Tetrachloride	7.80	117	25526	6.422	ug/l #	15
76) 1,2,3-Trichloropropane	12.48	75	90021	53.174	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	90021	119.223	ug/l #	13

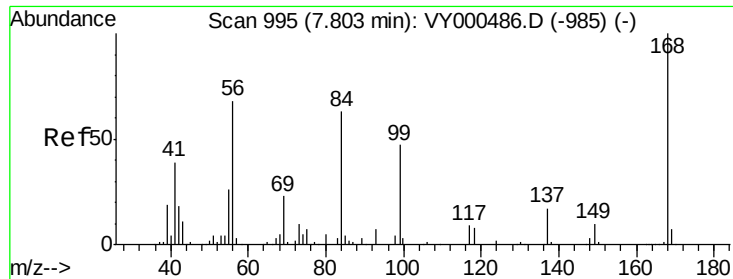
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY000574.D

Acq: 07 Nov 2019 12:52

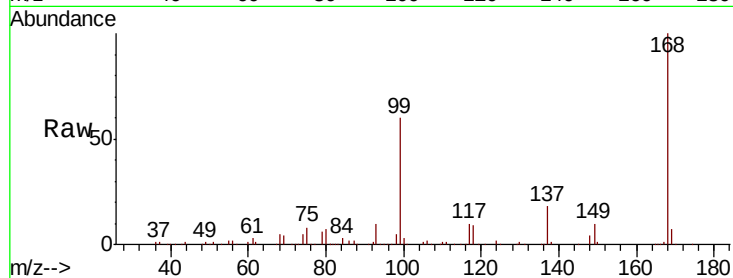
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:168 Resp: 240675

Ion Ratio Lower Upper

168 100

99 60.3 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

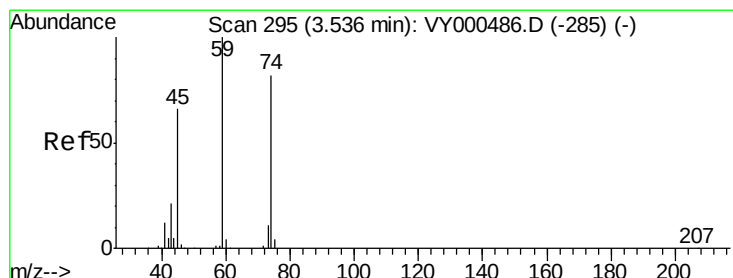
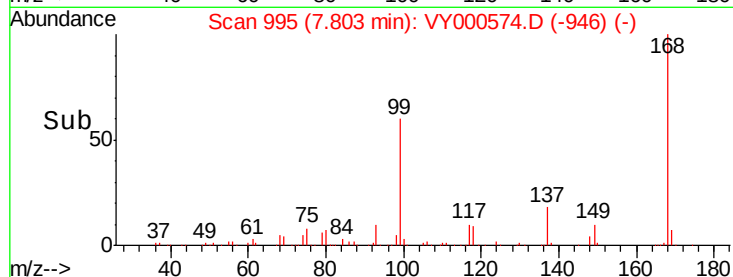
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.736 ug/l

RT: 3.53 min Scan# 294

Delta R.T. -0.01 min

Lab File: VY000574.D

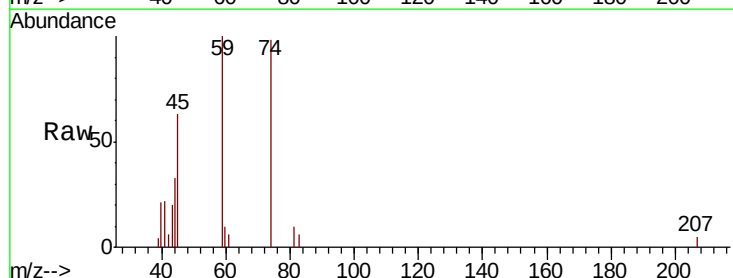
Acq: 07 Nov 2019 12:52

Tgt Ion: 74 Resp: 2525

Ion Ratio Lower Upper

74 100

45 106.7 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) (-)

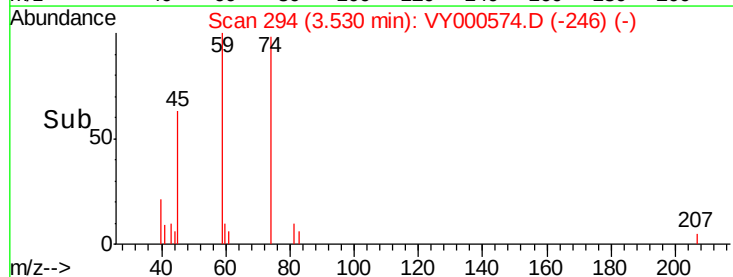
3.53

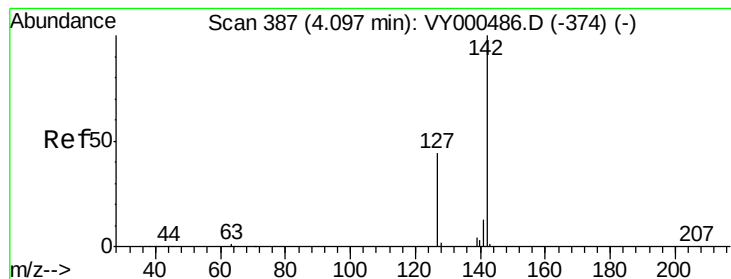
1000

500

0

Time-->





#10

Methyl Iodide

Concen: 3.215 ug/l

RT: 4.11 min Scan# 389

Delta R.T. 0.01 min

Lab File: VY000574.D

Acq: 07 Nov 2019 12:52

Instrument :

MSVOA_Y

ClientSampleId :

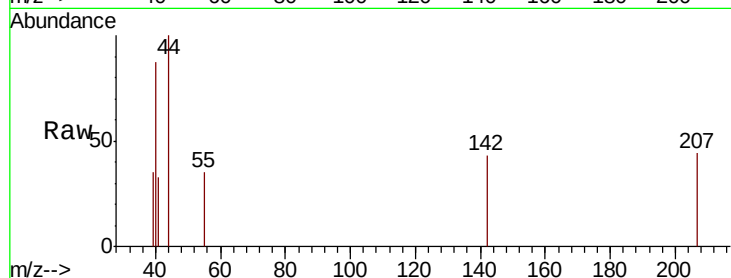
Tot Ion:142 Resp: 53

Ion Ratio Lower Upper

142 100

127 0.0 33.7 50.5#

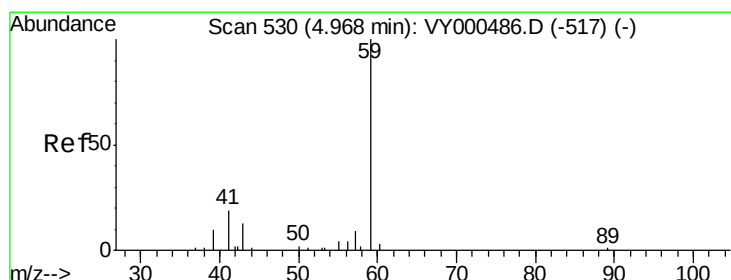
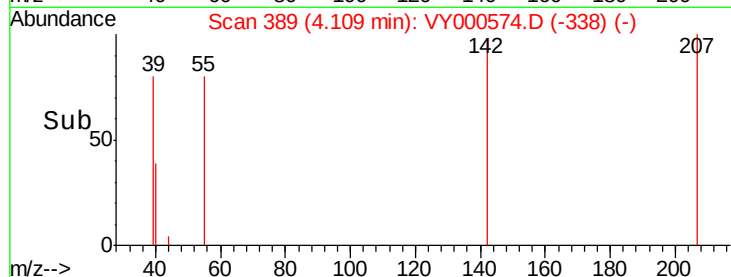
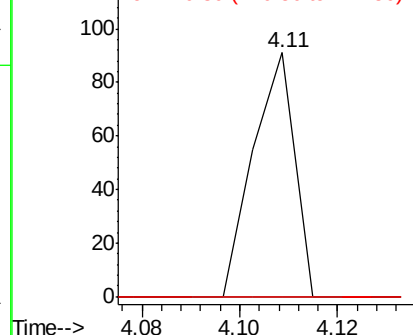
141 0.0 10.9 16.3#



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: 5.226 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY000574.D

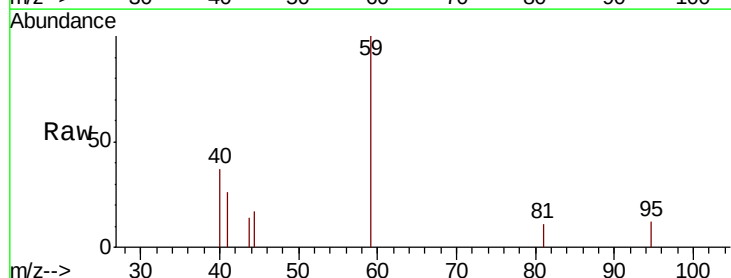
Acq: 07 Nov 2019 12:52

Tgt Ion: 59 Resp: 1267

Ion Ratio Lower Upper

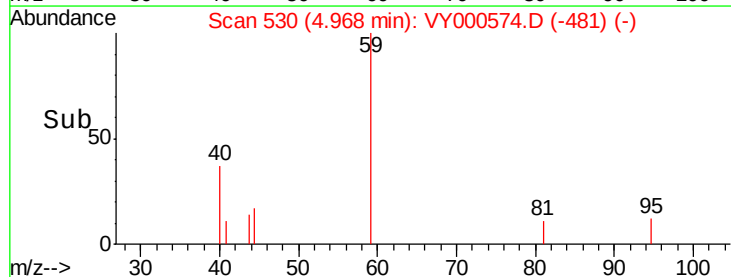
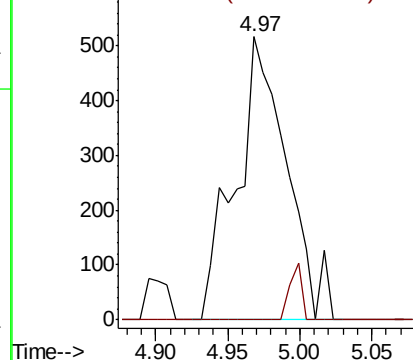
59 100

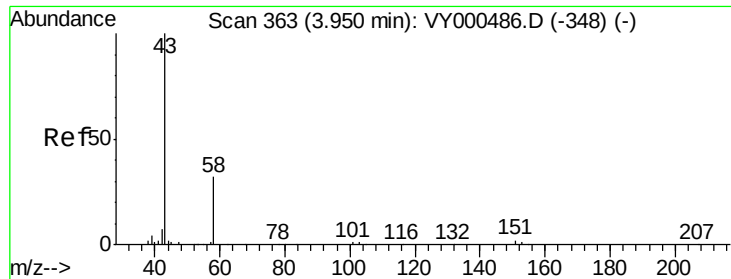
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0





#16

Acetone

Concen: 2.605 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000574.D

Acq: 07 Nov 2019 12:52

Instrument :

MSVOA_Y

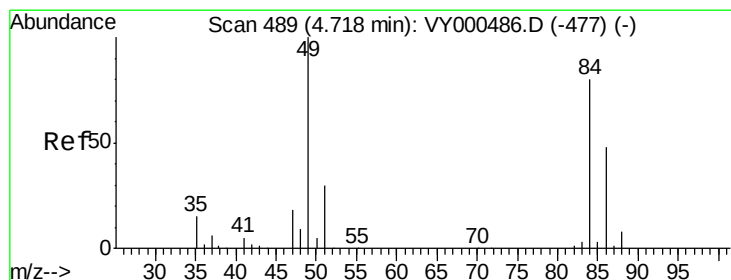
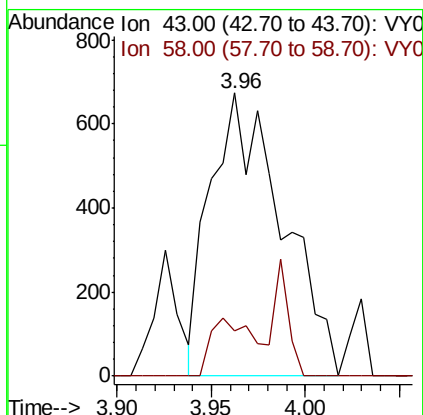
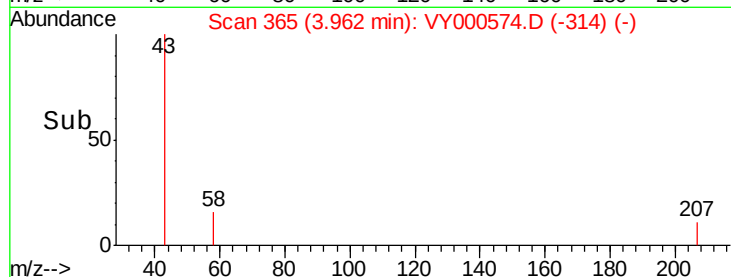
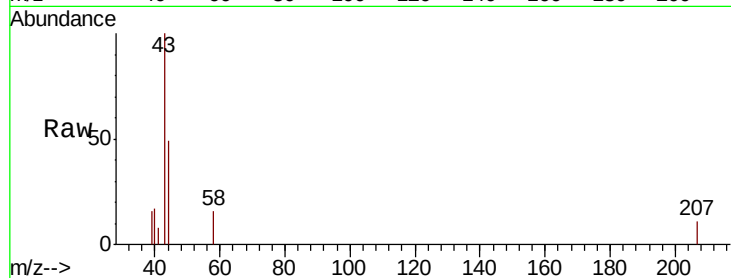
ClientSampleId :

Tot Ion: 43 Resp: 1788

Ion Ratio Lower Upper

43 100

58 16.0 25.8 38.6#



#20

Methylene Chloride

Concen: 8.846 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.01 min

Lab File: VY000574.D

Acq: 07 Nov 2019 12:52

Tgt Ion: 84 Resp: 26021

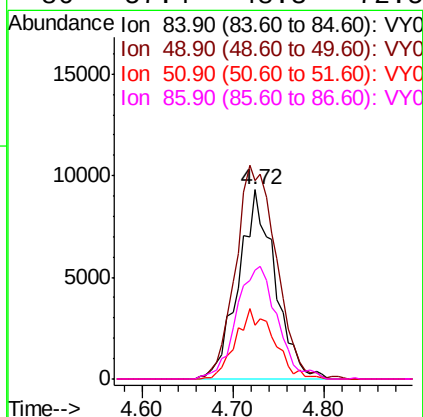
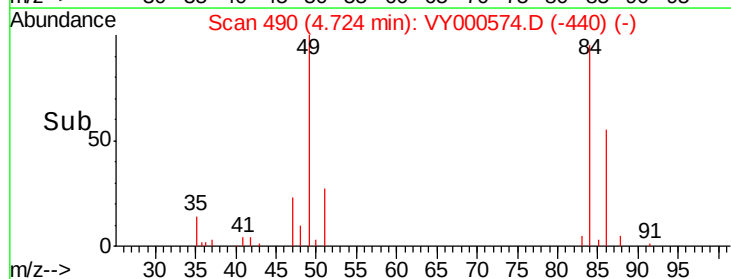
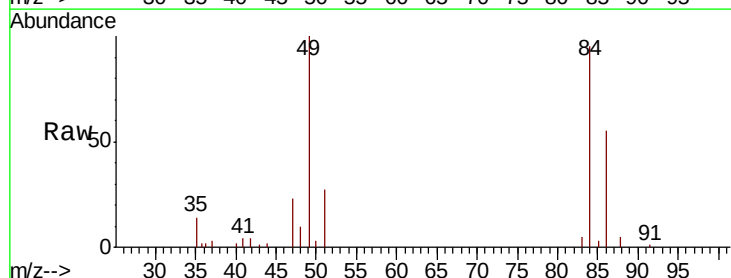
Ion Ratio Lower Upper

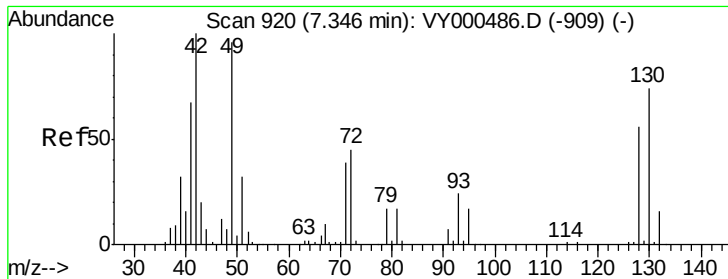
84 100

49 104.7 100.2 150.4

51 28.7 29.6 44.4#

86 57.4 48.3 72.5





#28

Bromochloromethane

Concen: 4.112 ug/l

RT: 7.52 min Scan# 948

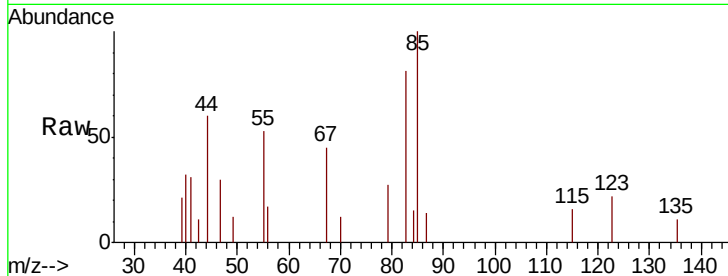
Delta R.T. 0.17 min

Lab File: VY000574.D

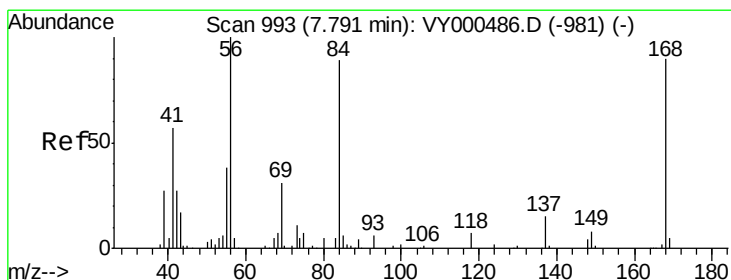
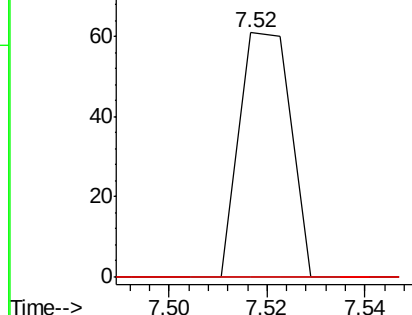
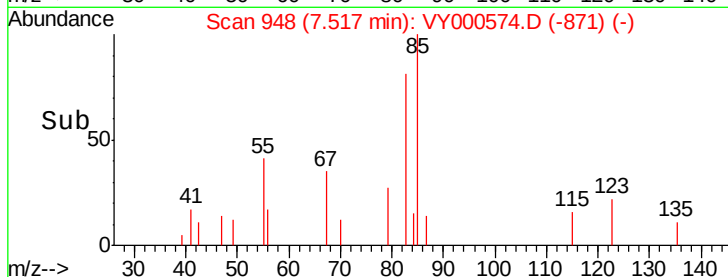
Acq: 07 Nov 2019 12:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 49 Resp: 44
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): VY0
Ion 129.80 (129.50 to 130.50): VY0



#31

Cyclohexane

Concen: 1.191 ug/l

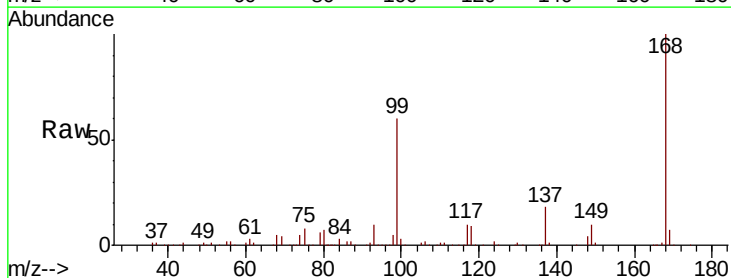
RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

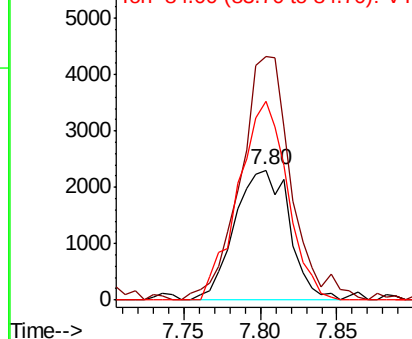
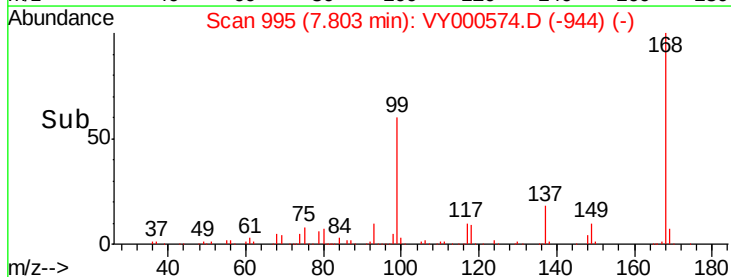
Lab File: VY000574.D

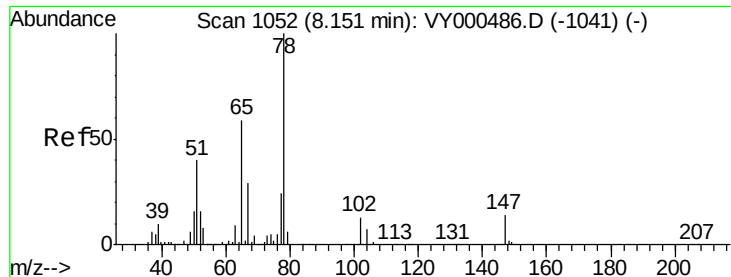
Acq: 07 Nov 2019 12:52

Tgt Ion: 56 Resp: 5742
Ion Ratio Lower Upper
56 100
69 182.0 25.0 37.6#
84 152.8 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

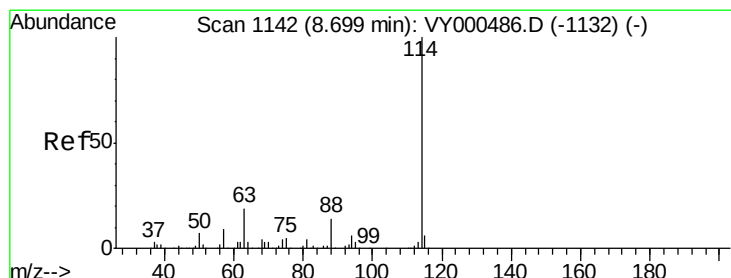
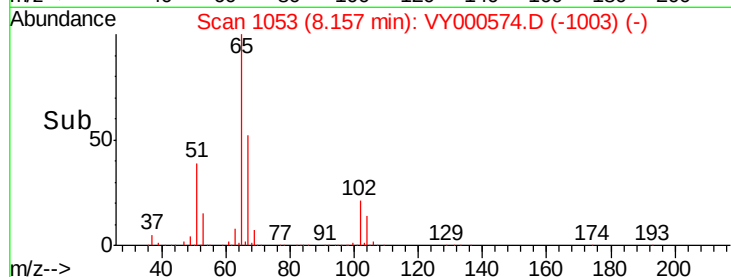
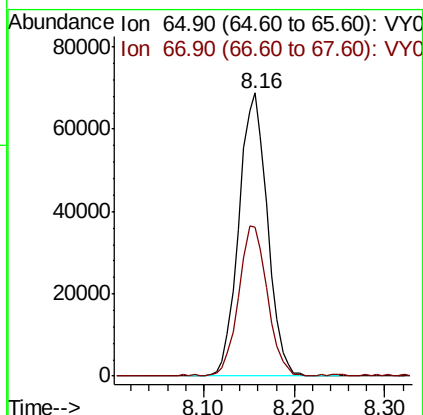
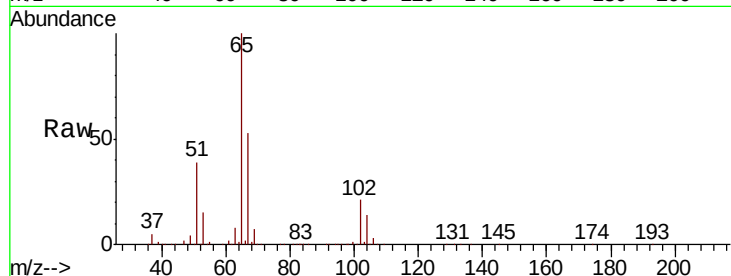




#33
 1,2-Dichloroethane-d4
 Concen: 60.224 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VY000574.D
 Acq: 07 Nov 2019 12:52

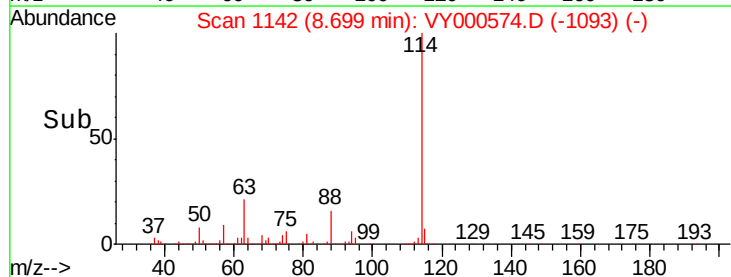
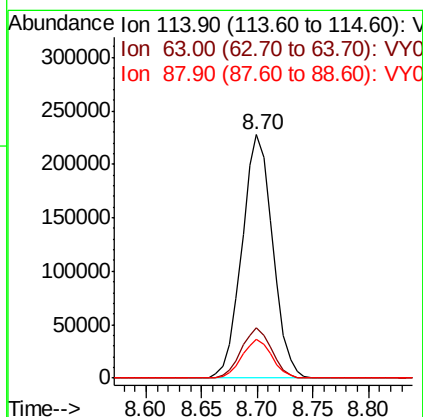
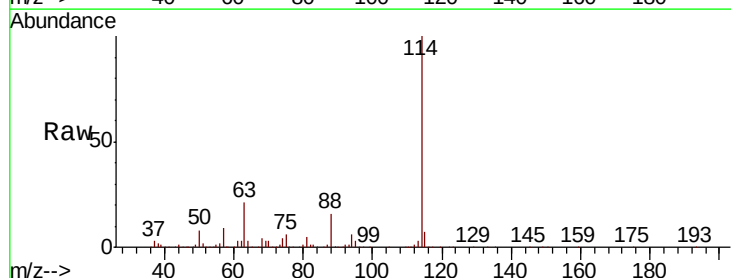
Instrument :
 MSVOA_Y
 ClientSampleId :

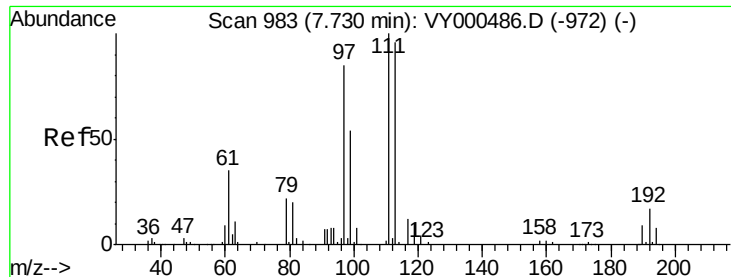
Tot Ion: 65 Resp: 149998
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000574.D
 Acq: 07 Nov 2019 12:52

Tgt Ion: 114 Resp: 436967
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 38.0
 88 15.8 0.0 28.6

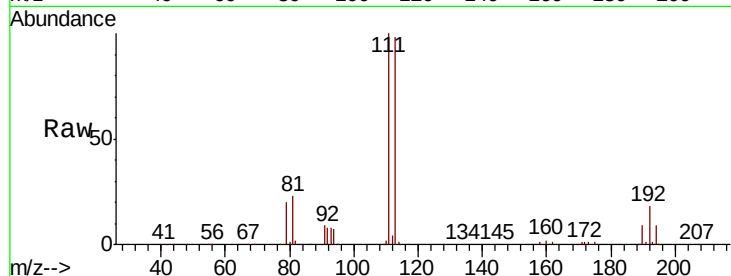




#35
 Dibromofluoromethane
 Concen: 52.430 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000574.D
 Acq: 07 Nov 2019 12:52

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.7	122.5
192	18.5	15.0	22.4

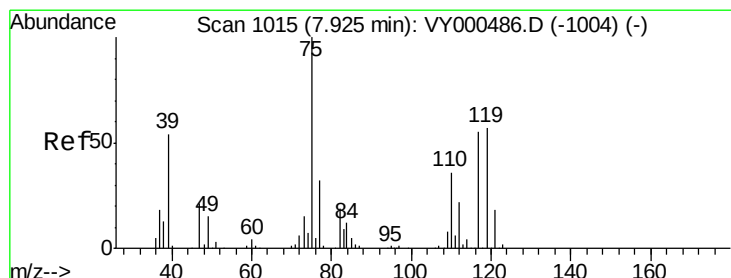
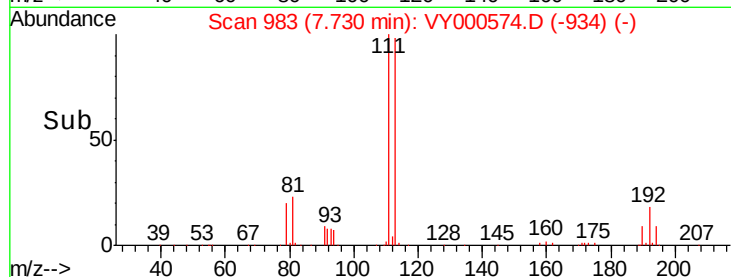
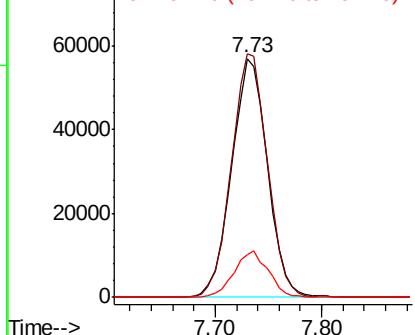


Abundance

Ion 112.80 (112.50 to 113.50): V

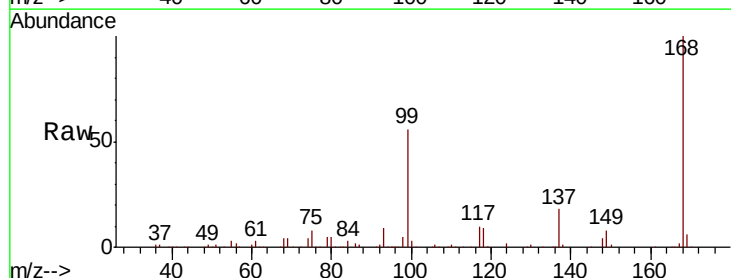
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.688 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.12 min
 Lab File: VY000574.D
 Acq: 07 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.1#
77	0.8	25.0	37.6#

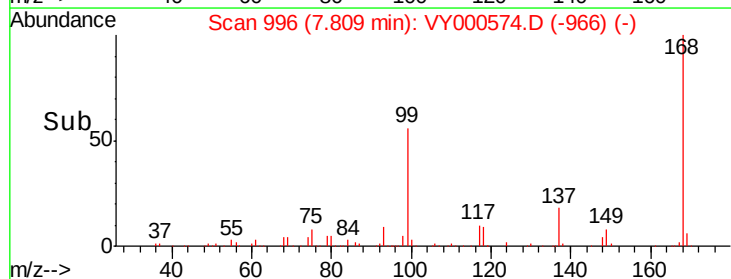
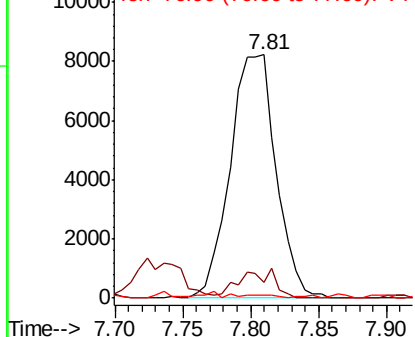


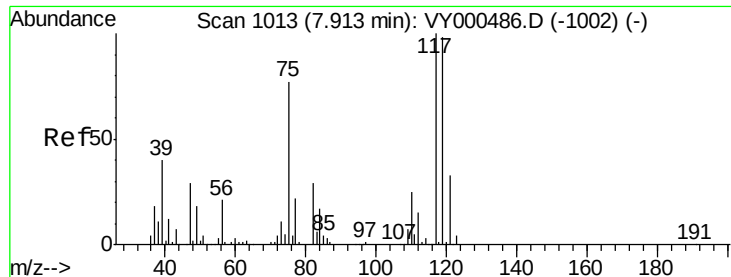
Abundance

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

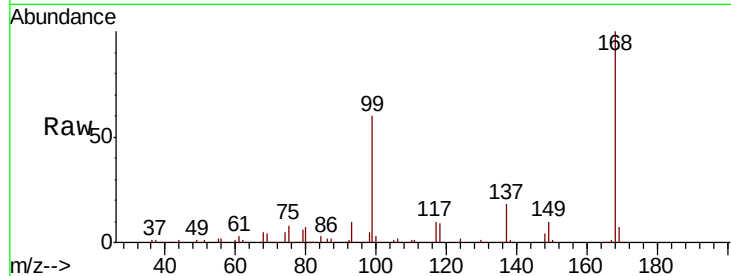




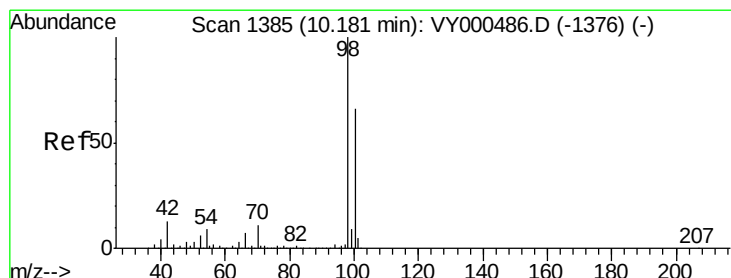
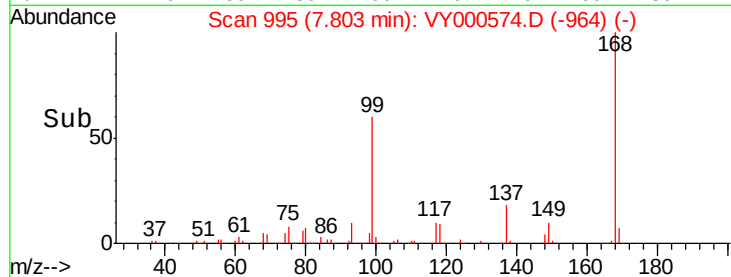
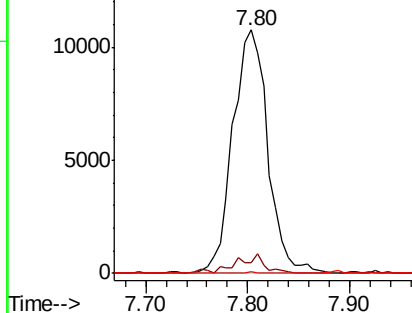
#38
Carbon Tetrachloride
Concen: 6.422 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.11 min
Lab File: VY000574.D
Acq: 07 Nov 2019 12:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 25526
Ion Ratio Lower Upper
117 100
119 4.3 78.0 117.0#
121 0.6 26.6 40.0#

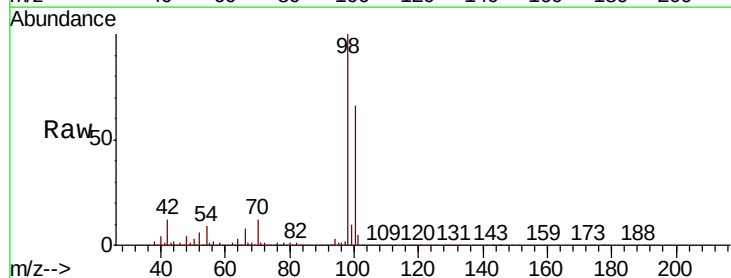


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

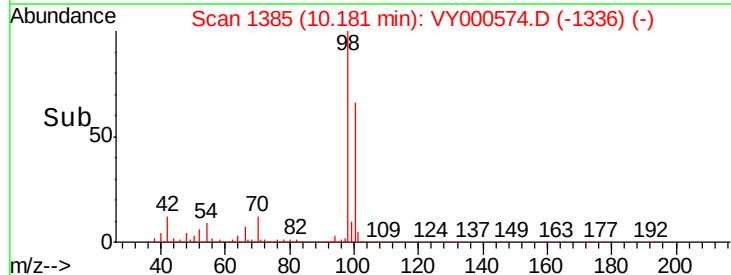
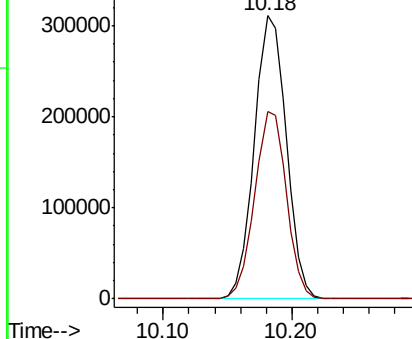


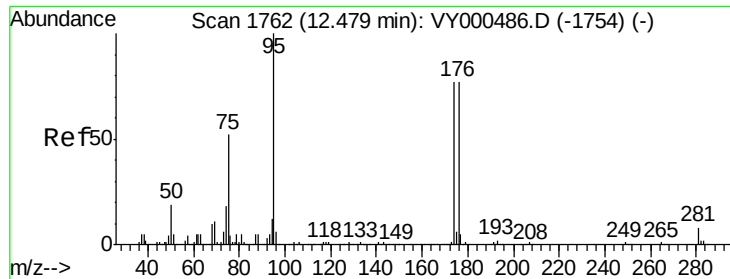
#50
Toluene-d8
Concen: 54.708 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000574.D
Acq: 07 Nov 2019 12:52

Tgt Ion: 98 Resp: 532523
Ion Ratio Lower Upper
98 100
100 65.8 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: 45.106 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY000574.D

Acq: 07 Nov 2019 12:52

Instrument :

MSVOA_Y

ClientSampled :

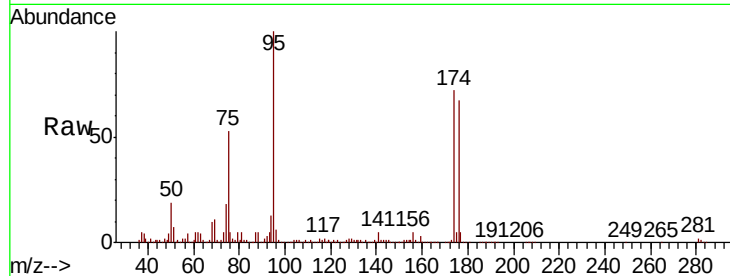
Tot Ion: 95 Resp: 167147

Ion Ratio Lower Upper

95 100

174 80.4 0.0 161.6

176 73.7 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

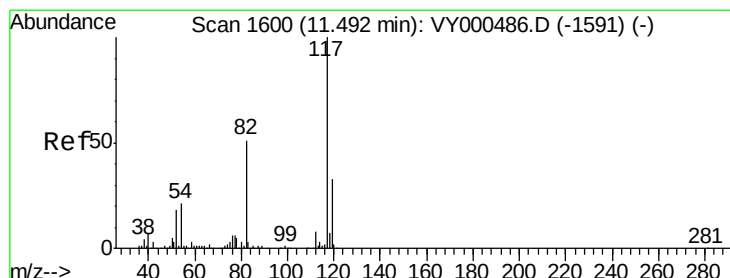
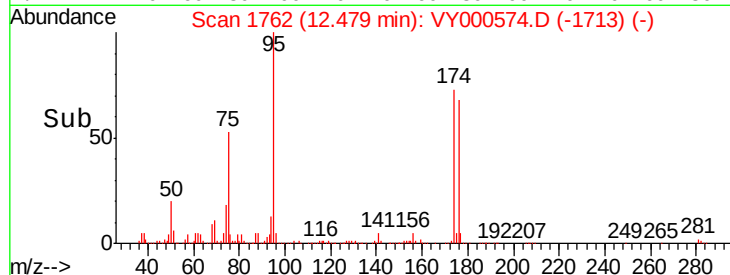
12.48

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: VY000574.D

Acq: 07 Nov 2019 12:52

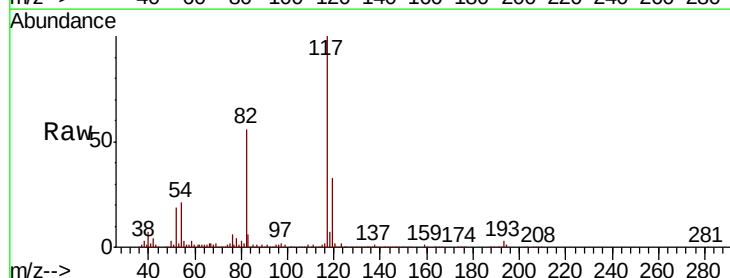
Tgt Ion: 117 Resp: 396086

Ion Ratio Lower Upper

117 100

82 55.4 40.8 61.2

119 32.9 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0

11.49

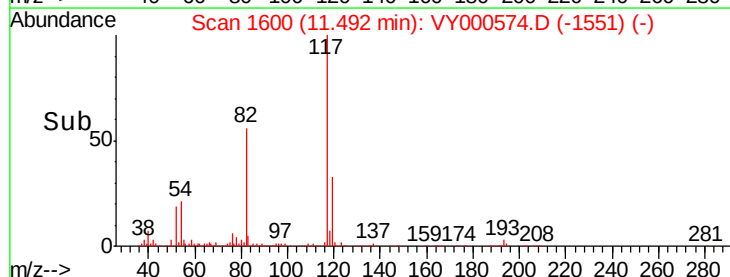
300000

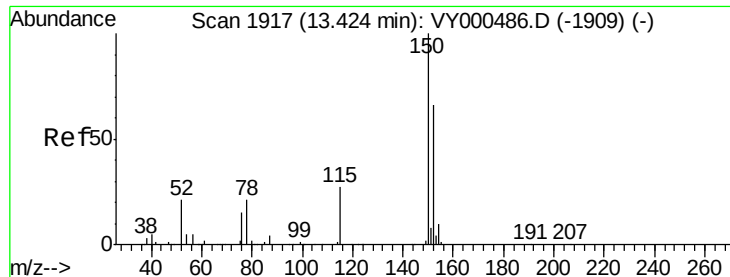
200000

100000

0

Time-->



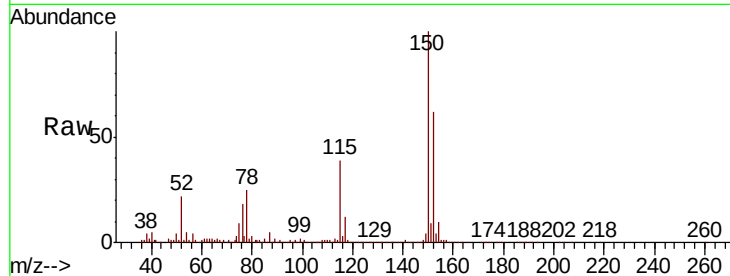


#72

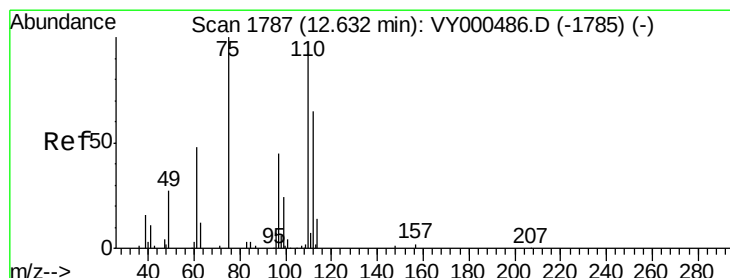
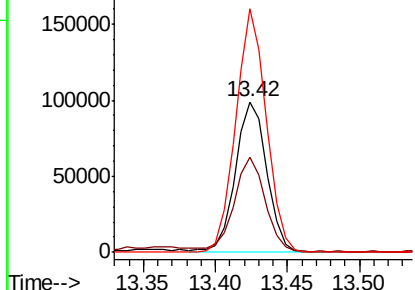
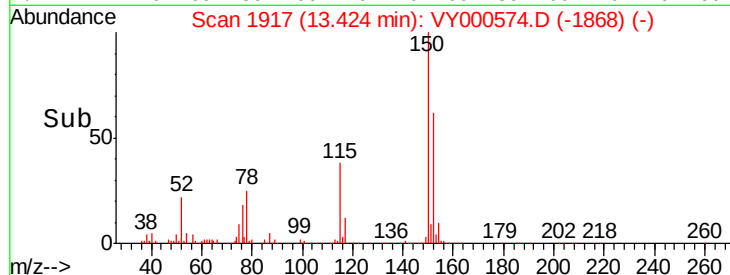
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY000574.D
Acq: 07 Nov 2019 12:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	62.5	29.1	87.4
150	158.1	0.0	348.8



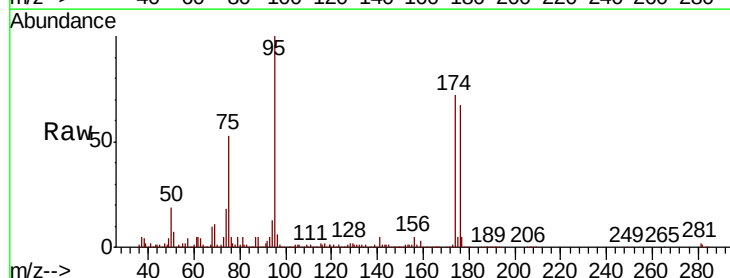
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



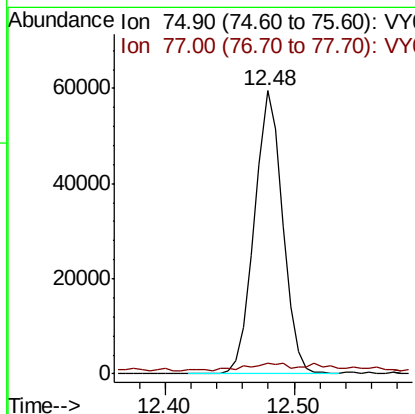
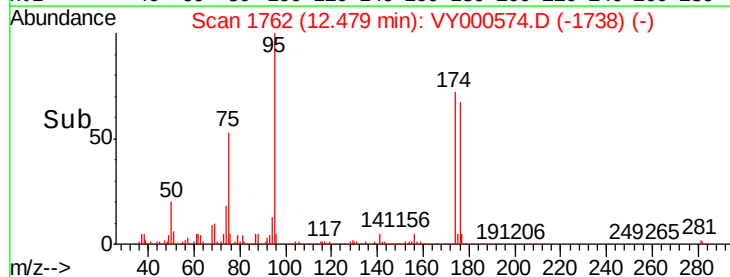
#76

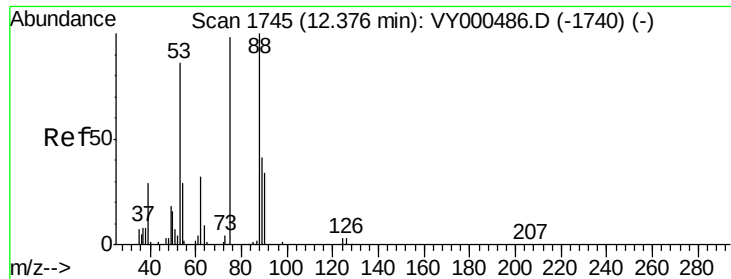
1,2,3-Trichloropropane
Concen: 53.174 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000574.D
Acq: 07 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
77	3.7	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: 119.223 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000574.D

Acq: 07 Nov 2019 12:52

Instrument :

MSVOA_Y

ClientSampleId :

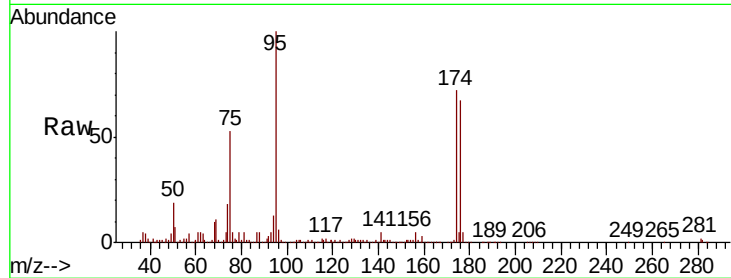
Tot Ion: 75 Resp: 90021

Ion Ratio Lower Upper

75 100

53 0.0 73.2 109.8#

89 0.5 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

