

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001030.D
 Acq On : 23 Dec 2019 15:52
 Operator : SY/MD
 Sample : K6399-01
 Misc : 5.08G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 161-CHURCH-ST-NORTH-HALED0

Quant Time: Dec 24 04:43:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	26406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	44946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	34061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	13049	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	10407	39.96	ug/l	0.00
Spiked Amount			Recovery	=	79.92%	
35) Dibromofluoromethane	7.73	113	10728	40.53	ug/l	0.00
Spiked Amount			Recovery	=	81.06%	
50) Toluene-d8	10.17	98	51631	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.48	95	13318	35.22	ug/l	0.00
Spiked Amount			Recovery	=	70.44%	

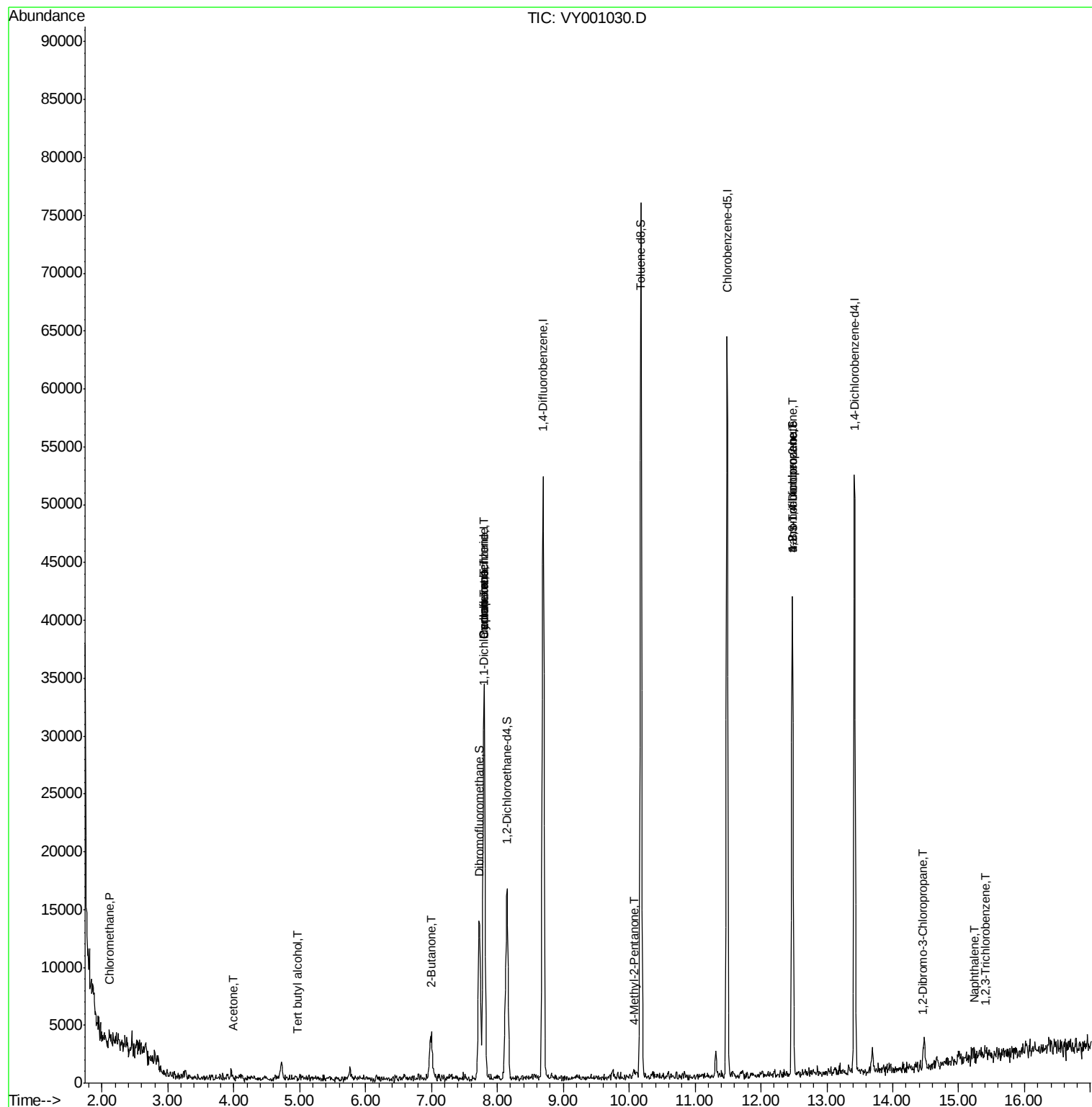
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	374	1.194	ug/l #	75
11) Tert butyl alcohol	4.97	59	45	1.571	ug/l #	74
16) Acetone	3.99	43	611	10.184	ug/l #	35
25) 2-Butanone	7.00	43	373	3.539	ug/l #	47
31) Cyclohexane	7.80	56	739	1.277	ug/l #	57
36) 1,1-Dichloropropene	7.78	75	1836	4.282	ug/l #	44
38) Carbon Tetrachloride	7.80	117	3148	8.380	ug/l #	18
51) 4-Methyl-2-Pentanone	10.07	43	298	1.301	ug/l #	66
76) 1,2,3-Trichloropropane	12.48	75	6961	43.272	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	6961	92.288	ug/l #	19
92) 1,2-Dibromo-3-Chloropropan	14.45	75	50	1.502	ug/l #	1
95) Naphthalene	15.23	128	916	1.434	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.41	180	386	1.594	ug/l #	30

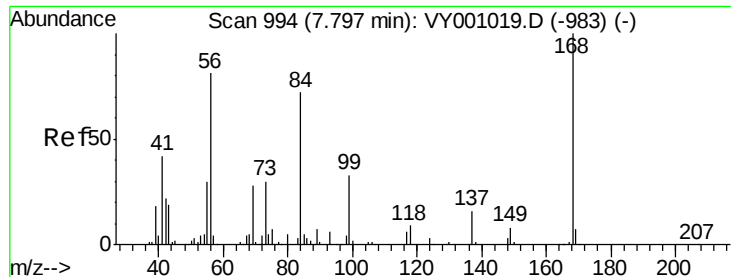
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001030.D

Acq: 23 Dec 2019 15:52

Instrument :

MSVOA_Y

ClientSampleId :

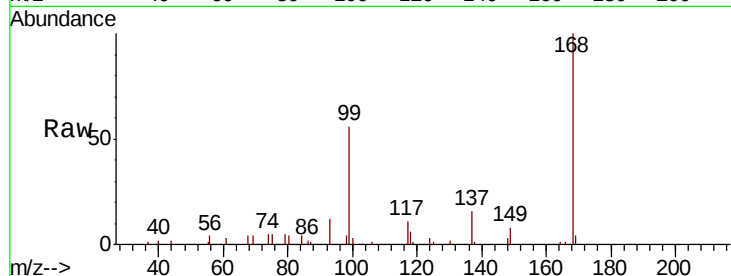
161-CHURCH-ST-NORTH-HALEDO

Tot Ion:168 Resp: 26406

Ion Ratio Lower Upper

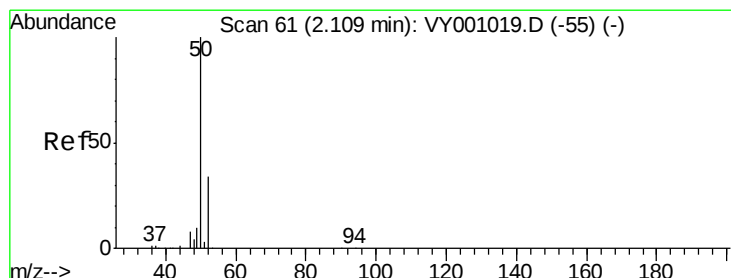
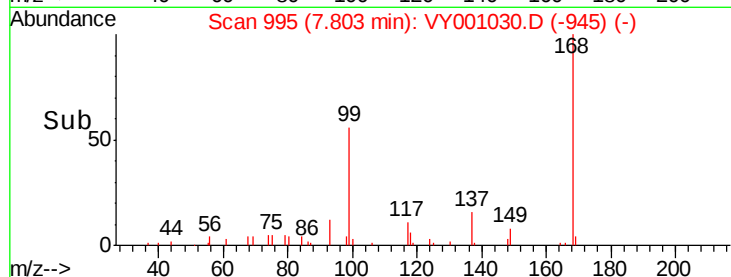
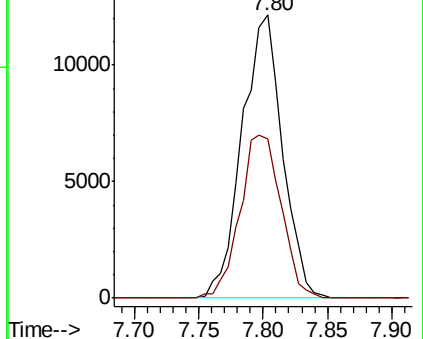
168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)



#3

Chloromethane

Concen: 1.194 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001030.D

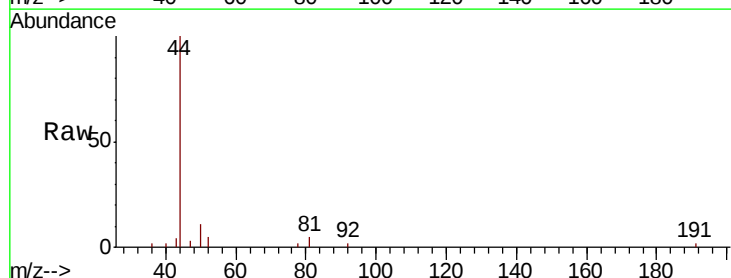
Acq: 23 Dec 2019 15:52

Tgt Ion: 50 Resp: 374

Ion Ratio Lower Upper

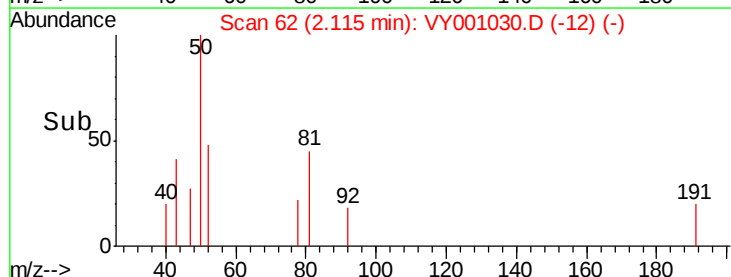
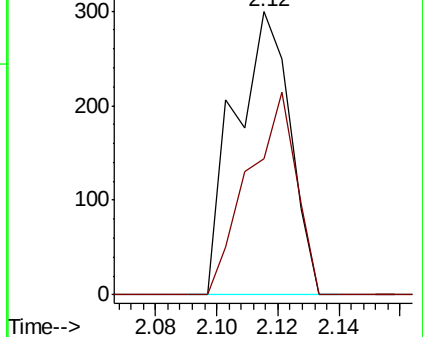
50 100

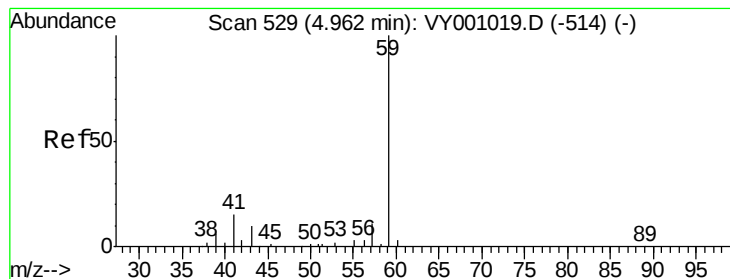
52 48.2 27.1 40.7#



Abundance Ion 49.90 (49.60 to 50.60): VY001019.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY001019.D (-55) (-)



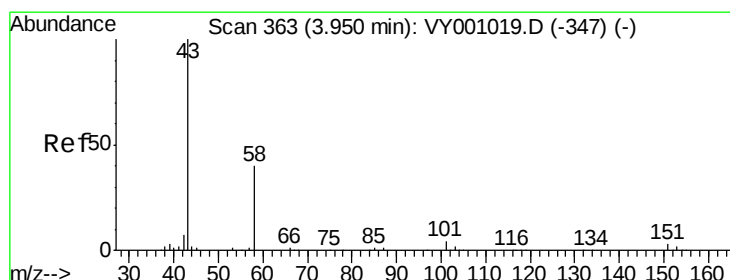
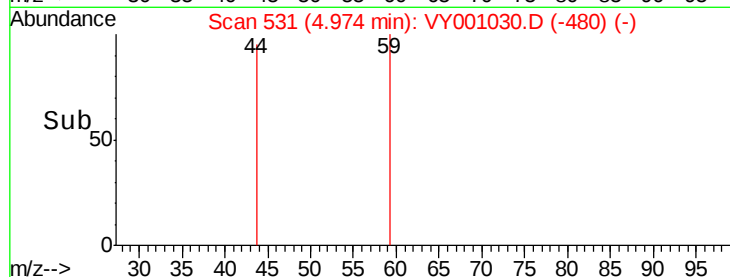
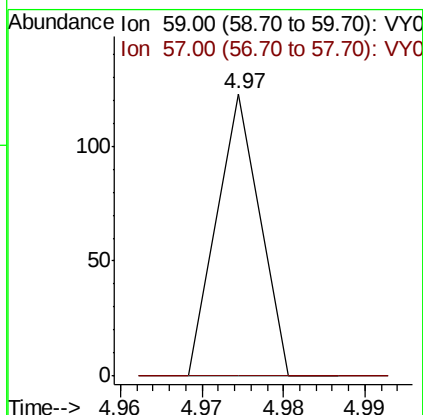
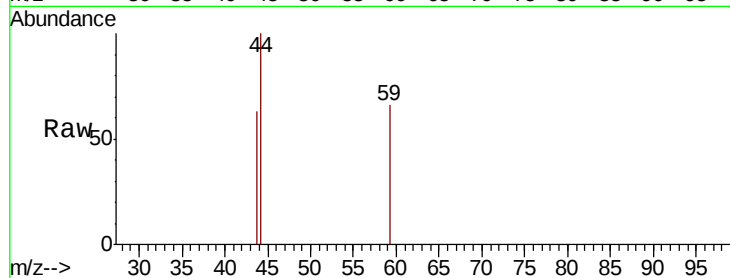


#11

Tert butyl alcohol
 Concen: 1.571 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY001030.D
 Acq: 23 Dec 2019 15:52

Instrument :
 MSVOA_Y
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 161-CHURCH-ST-NORTH-HALED0

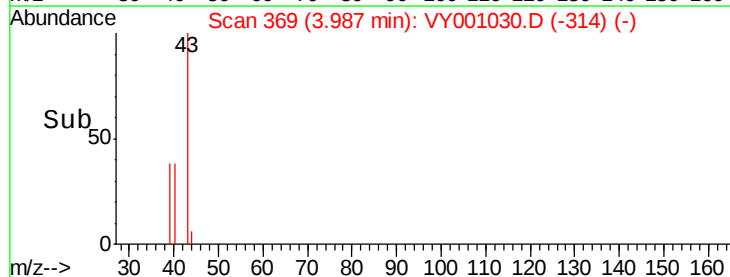
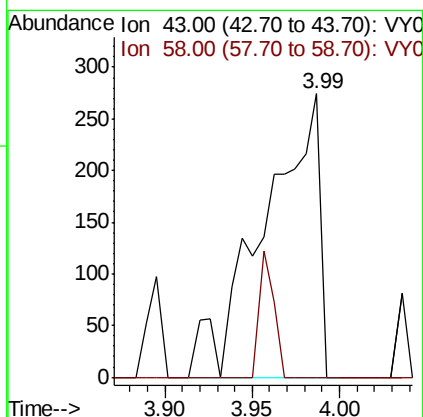
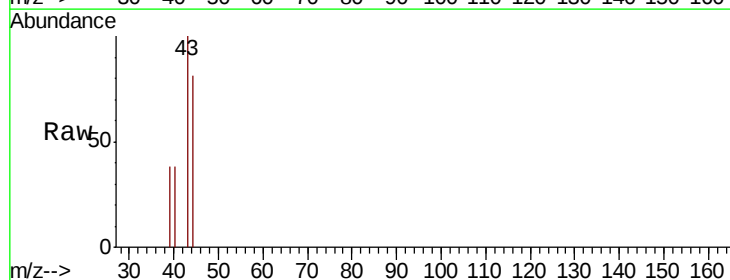
Tot Ion: 59 Resp: 45
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

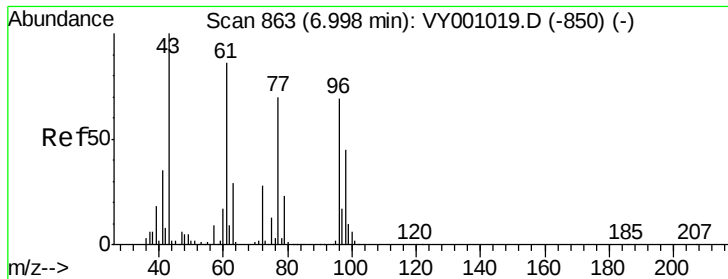


#16

Acetone
 Concen: 10.184 ug/l
 RT: 3.99 min Scan# 369
 Delta R.T. 0.04 min
 Lab File: VY001030.D
 Acq: 23 Dec 2019 15:52

Tgt Ion: 43 Resp: 611
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.1 48.1#





#25

2-Butanone

Concen: 3.539 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001030.D

Acq: 23 Dec 2019 15:52

Instrument :

MSVOA_Y

ClientSampleId :

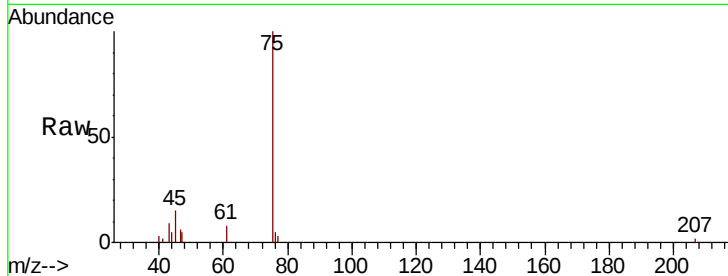
161-CHURCH-ST-NORTH-HALEDO

Tot Ion: 43 Resp: 373

Ion Ratio Lower Upper

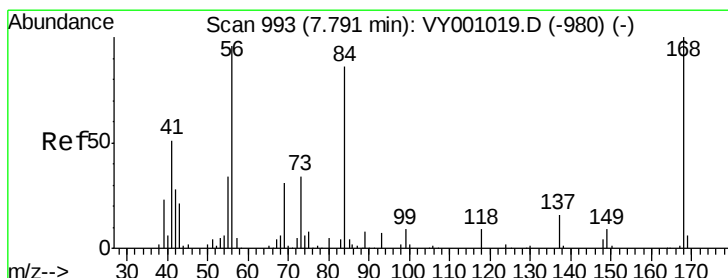
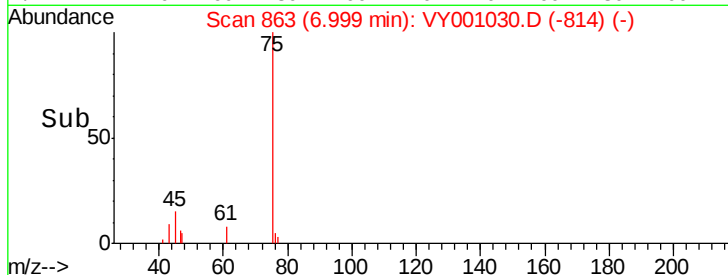
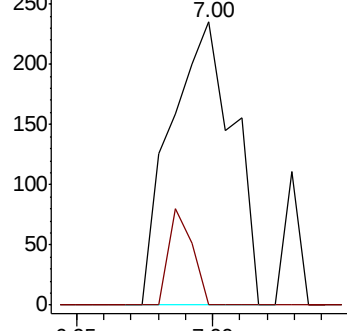
43 100

72 0.0 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.277 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001030.D

Acq: 23 Dec 2019 15:52

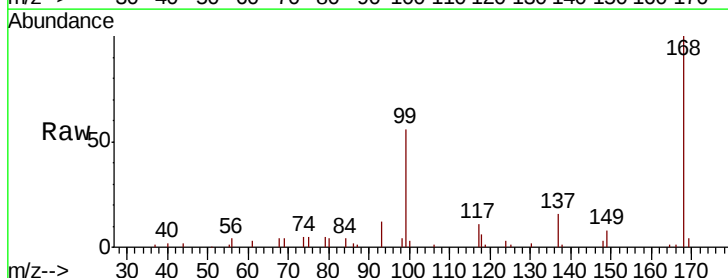
Tgt Ion: 56 Resp: 739

Ion Ratio Lower Upper

56 100

69 93.6 26.1 39.1#

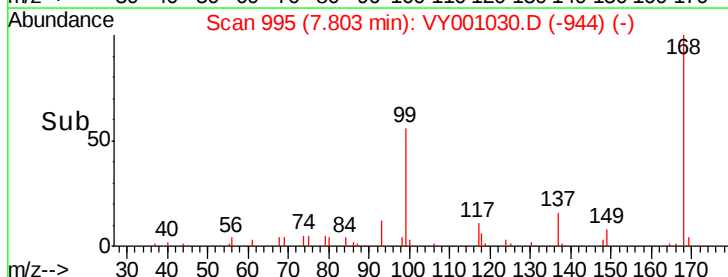
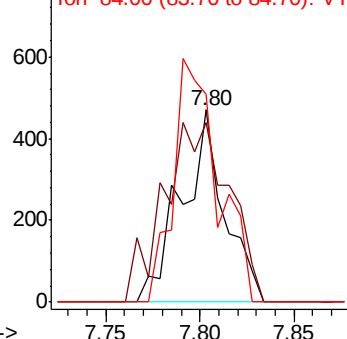
84 108.1 71.8 107.8#

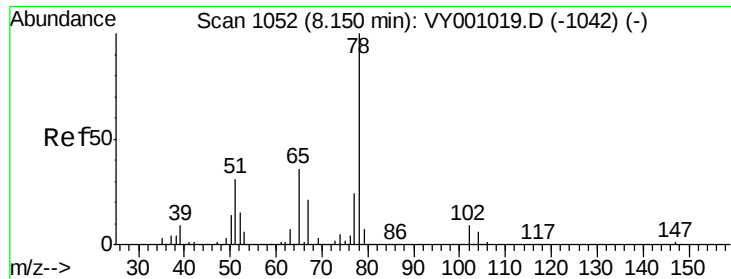


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

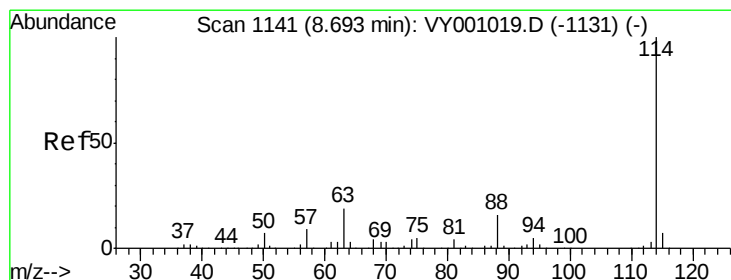
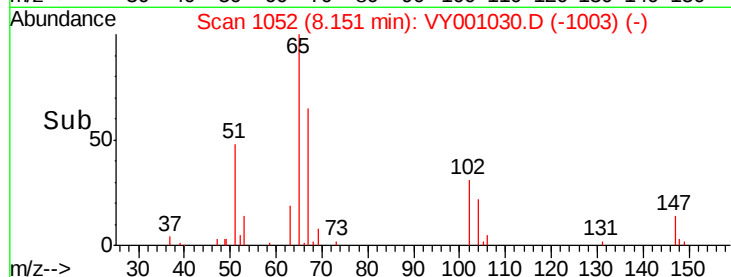
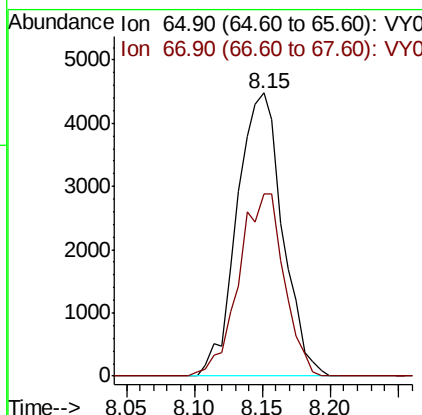
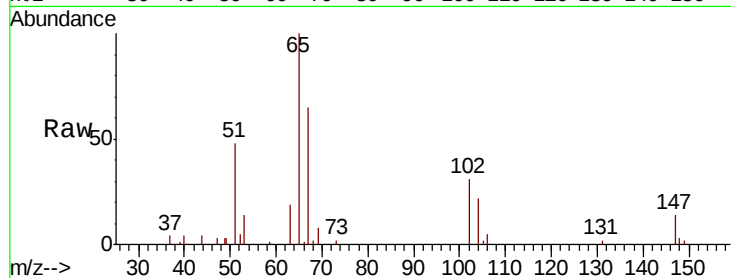




#33
 1,2-Dichloroethane-d4
 Concen: 39.960 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001030.D
 Acq: 23 Dec 2019 15:52

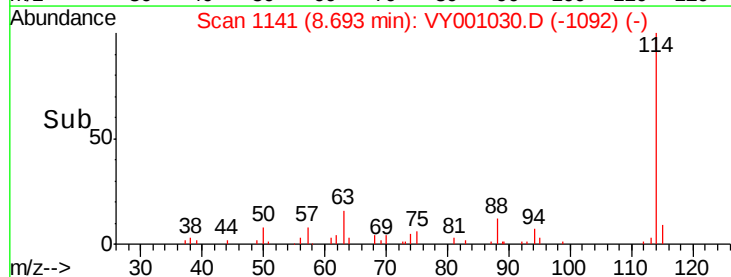
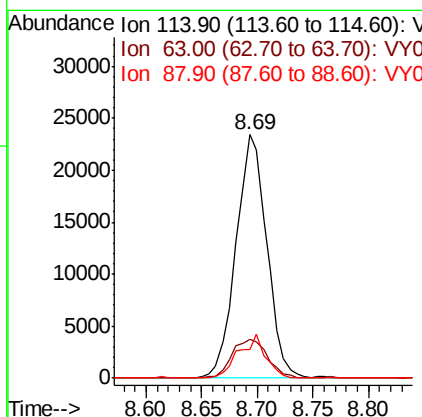
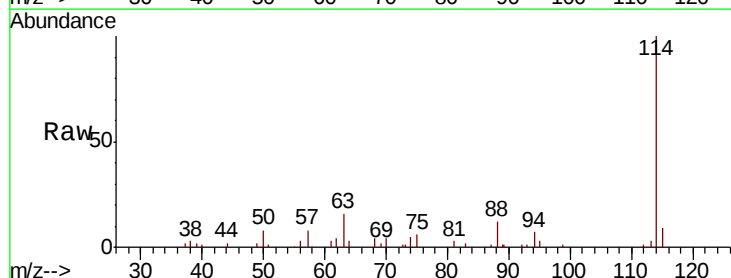
Instrument :
 MSVOA_Y
 ClientSampleId :
 161-CHURCH-ST-NORTH-HALED0

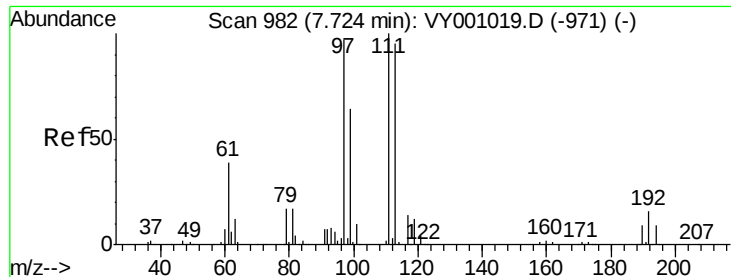
Tot Ion: 65 Resp: 10407
 Ion Ratio Lower Upper
 65 100
 67 64.1 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001030.D
 Acq: 23 Dec 2019 15:52

Tgt Ion: 114 Resp: 44946
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 37.0
 88 11.6 0.0 32.0

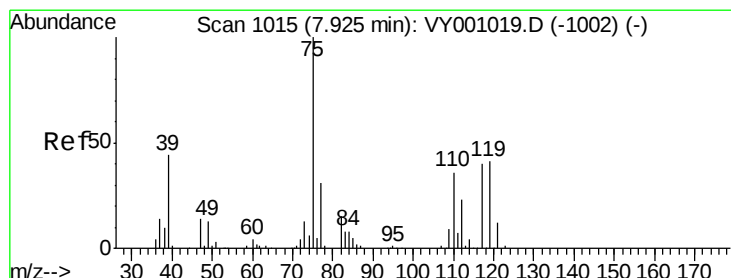
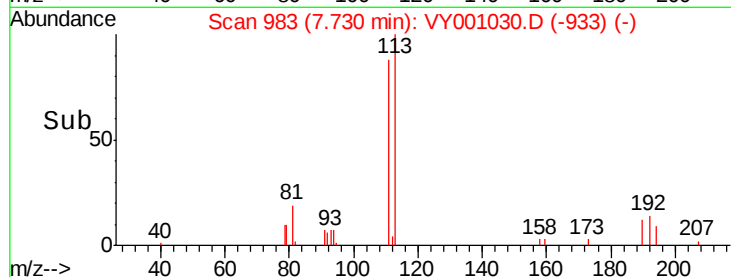
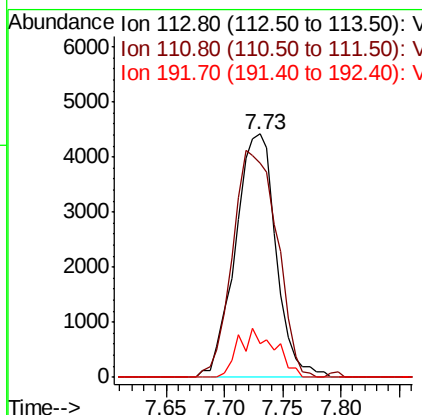
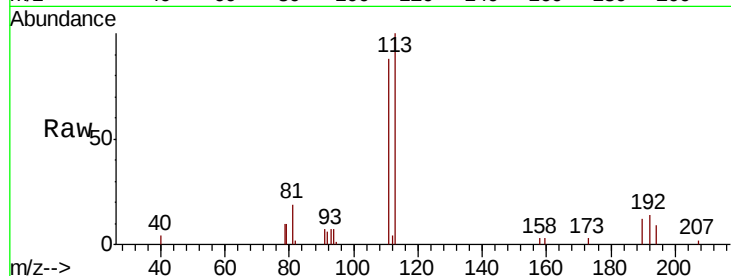




#35
 Dibromofluoromethane
 Concen: 40.534 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001030.D
 Acq: 23 Dec 2019 15:52

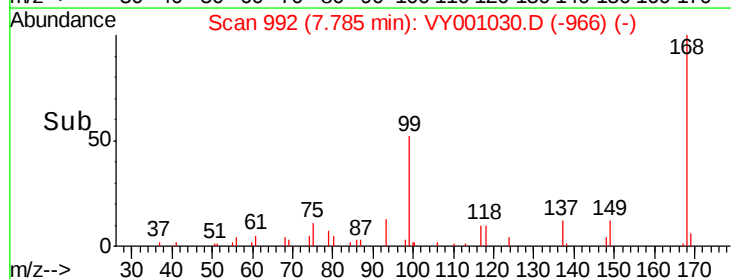
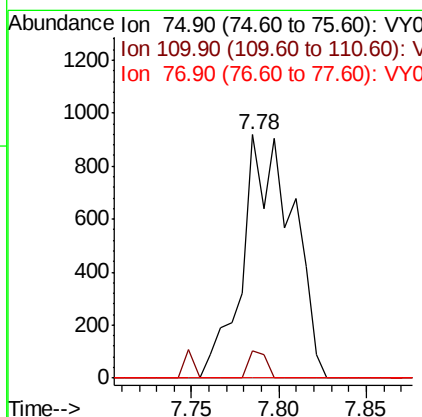
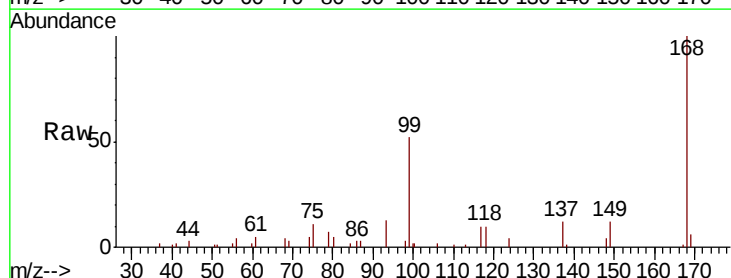
Instrument :
 MSVOA_Y
 ClientSampleId :
 161-CHURCH-ST-NORTH-HALED0

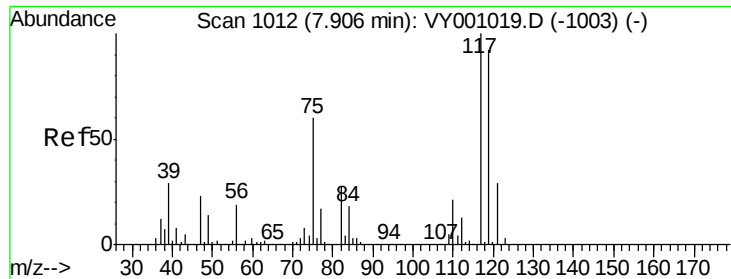
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.0	124.4
192	18.0	14.6	21.8



#36
 1,1-Dichloropropene
 Concen: 4.282 ug/l
 RT: 7.78 min Scan# 992
 Delta R.T. -0.14 min
 Lab File: VY001030.D
 Acq: 23 Dec 2019 15:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.8	18.1	54.4#
77	0.0	24.6	37.0#

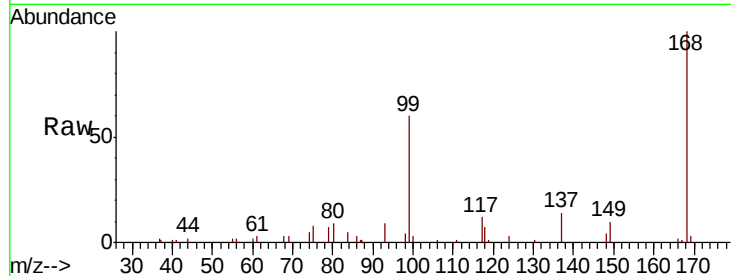




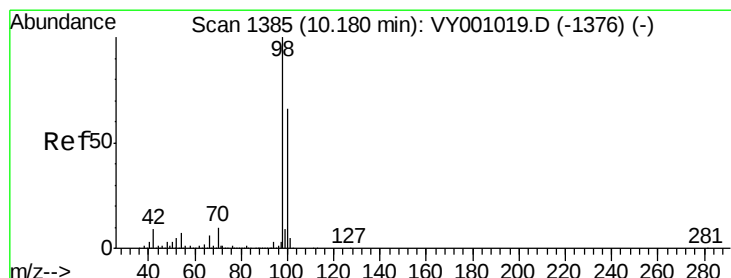
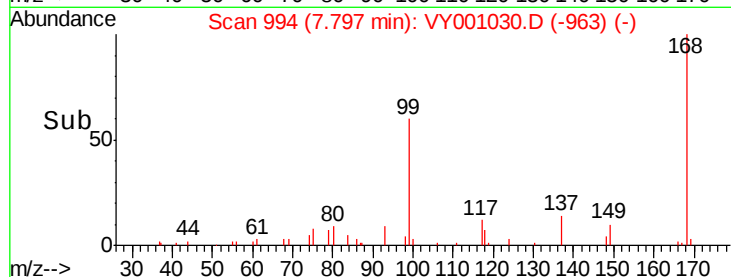
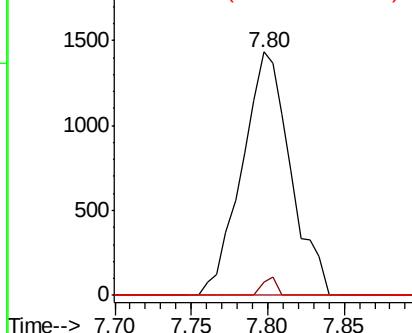
#38
Carbon Tetrachloride
Concen: 8.380 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY001030.D
Acq: 23 Dec 2019 15:52

Instrument :
MSVOA_Y
ClientSampleId :
161-CHURCH-ST-NORTH-HALEDO

Tot Ion:117 Resp: 3148
Ion Ratio Lower Upper
117 100
119 5.4 74.2 111.2#
121 0.0 22.9 34.3#

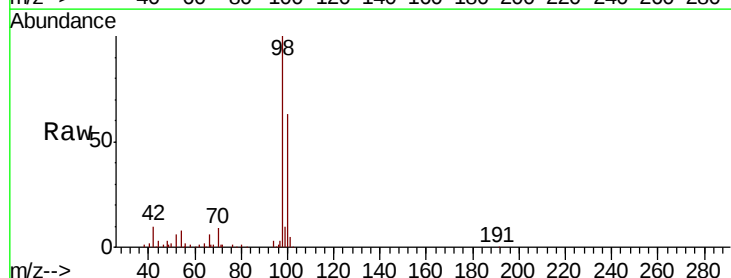


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

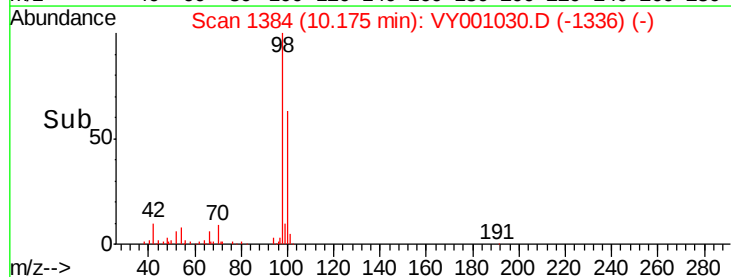
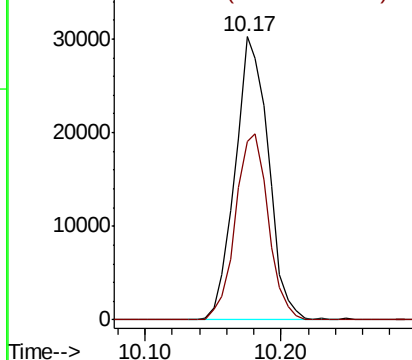


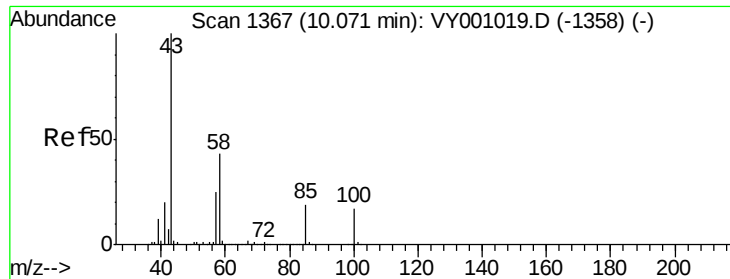
#50
Toluene-d8
Concen: 49.918 ug/l
RT: 10.17 min Scan# 1384
Delta R.T. -0.01 min
Lab File: VY001030.D
Acq: 23 Dec 2019 15:52

Tgt Ion: 98 Resp: 51631
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.301 ug/l

RT: 10.07 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VY001030.D

Acq: 23 Dec 2019 15:52

Instrument :

MSVOA_Y

ClientSampleId :

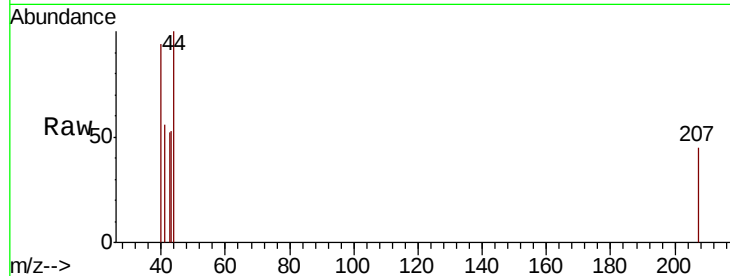
161-CHURCH-ST-NORTH-HALED

Tot Ion: 43 Resp: 298

Ion Ratio Lower Upper

43 100

58 21.5 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

250

200

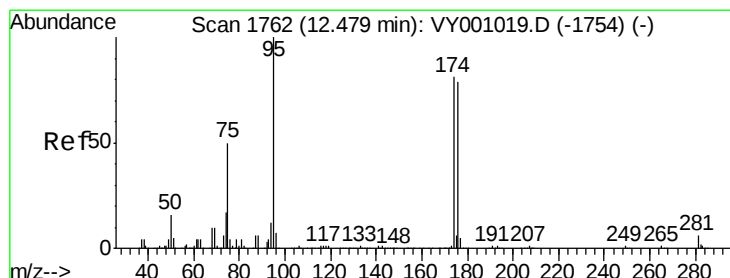
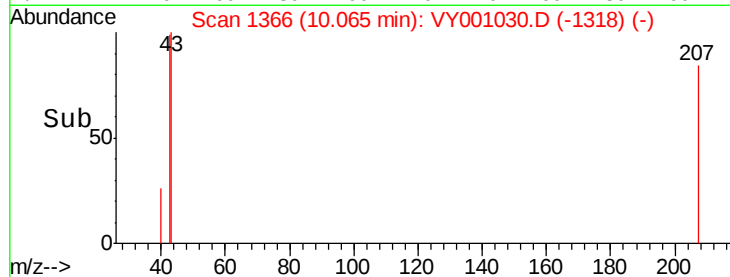
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 35.218 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY001030.D

Acq: 23 Dec 2019 15:52

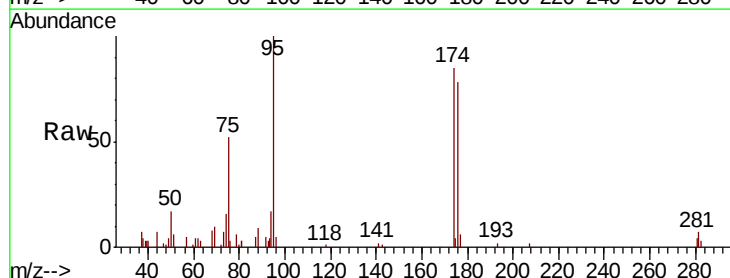
Tgt Ion: 95 Resp: 13318

Ion Ratio Lower Upper

95 100

174 79.1 0.0 156.4

176 71.6 0.0 155.0



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

10000

8000

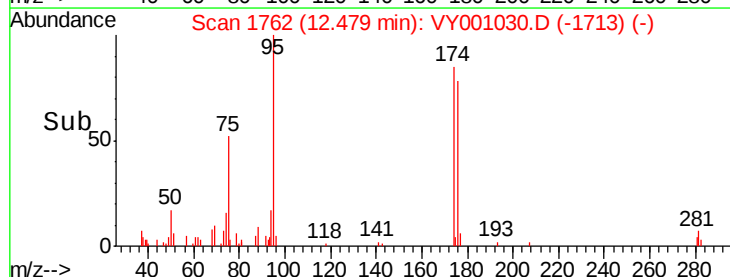
6000

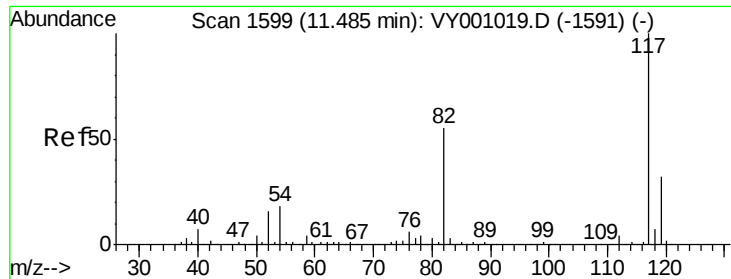
4000

2000

0

Time-->

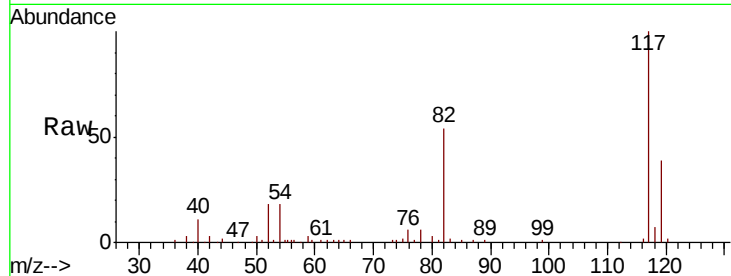




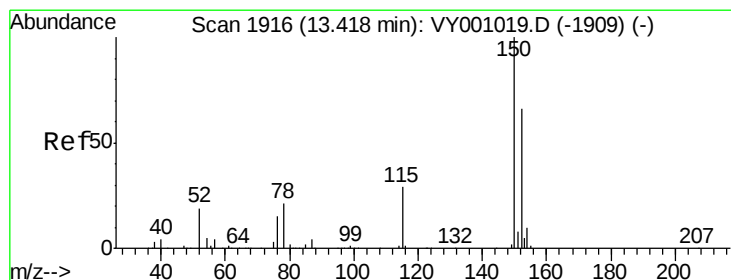
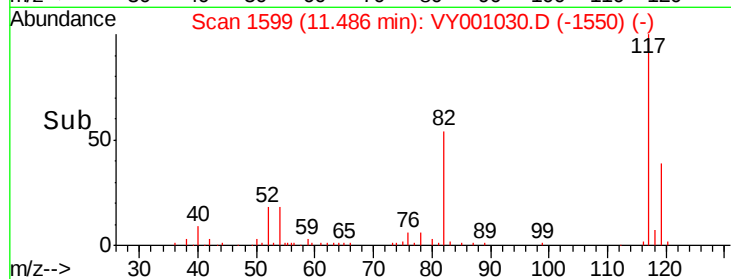
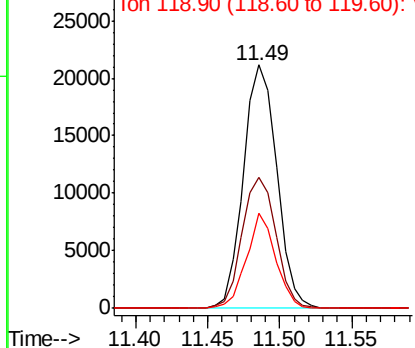
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001030.D
Acq: 23 Dec 2019 15:52

Instrument :
MSVOA_Y
ClientSampleId :
161-CHURCH-ST-NORTH-HALED0

Tot Ion:117 Resp: 34061
Ion Ratio Lower Upper
117 100
82 53.6 43.8 65.8
119 38.9 25.8 38.6#

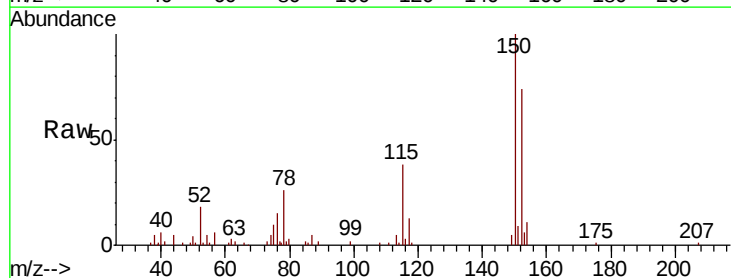


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

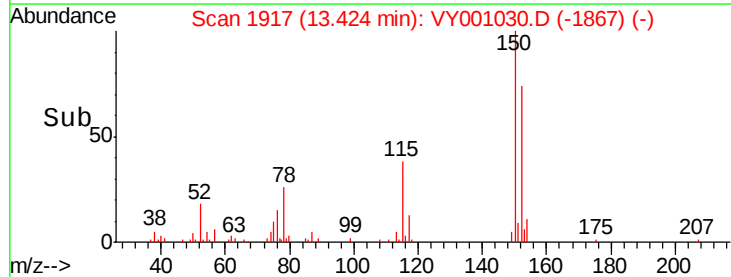
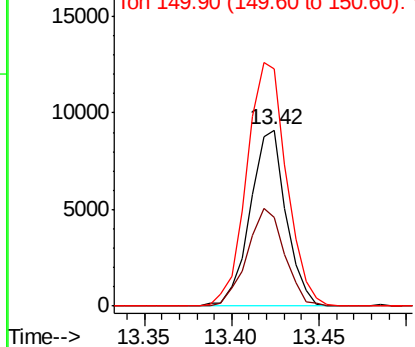


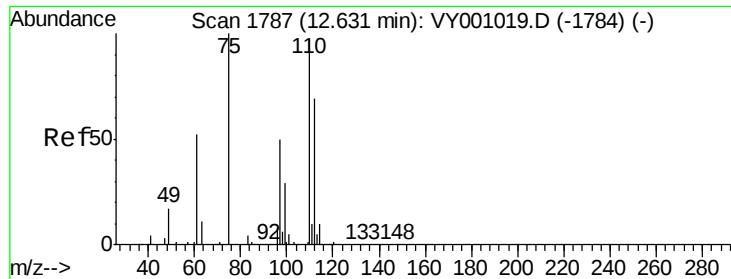
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001030.D
Acq: 23 Dec 2019 15:52

Tgt Ion:152 Resp: 13049
Ion Ratio Lower Upper
152 100
115 57.4 29.8 89.3
150 152.6 0.0 352.6



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

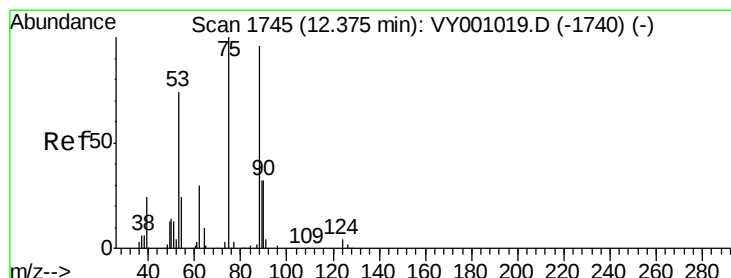
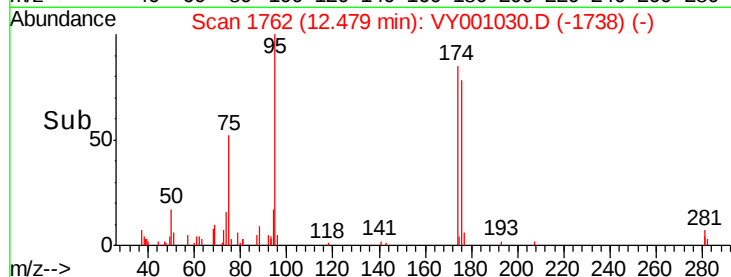
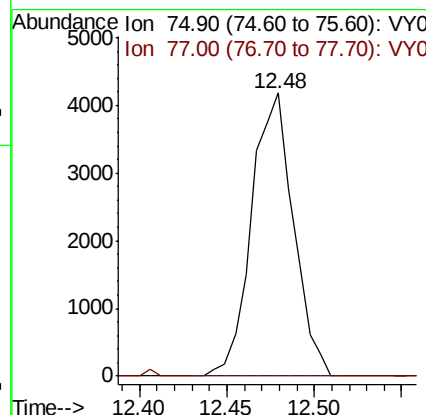
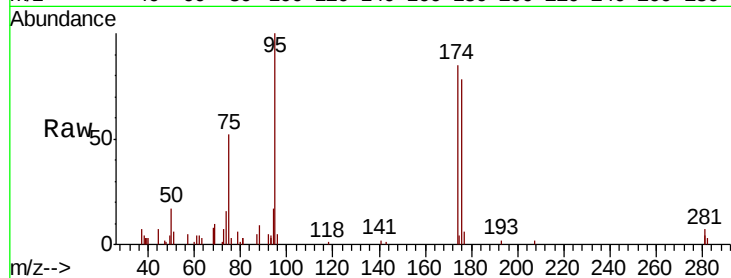




#76
 1,2,3-Trichloropropane
 Concen: 43.272 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.15 min
 Lab File: VY001030.D
 Acq: 23 Dec 2019 15:52

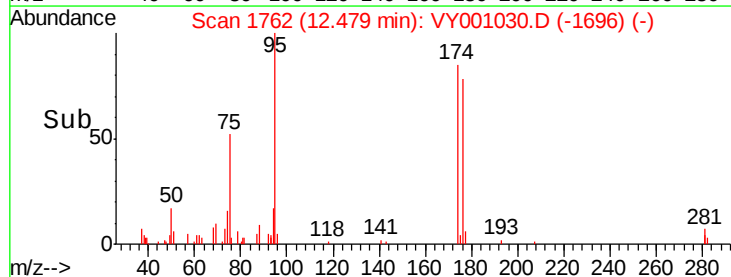
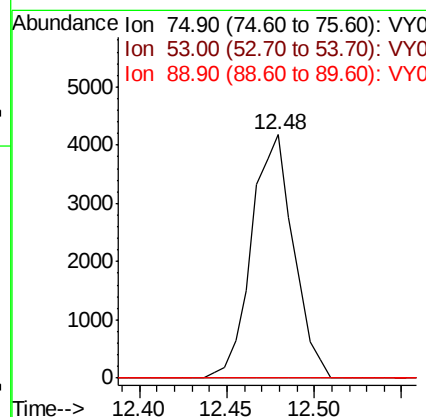
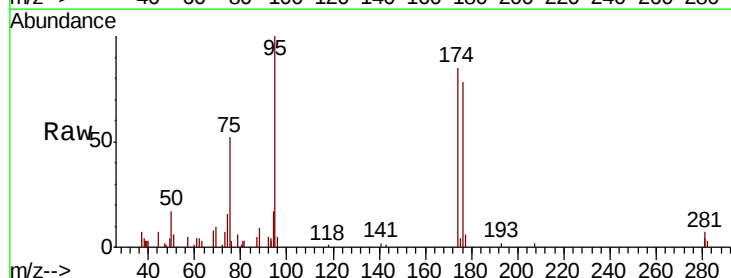
Instrument :
 MSVOA_Y
 ClientSampleId :
 161-CHURCH-ST-NORTH-HALED0

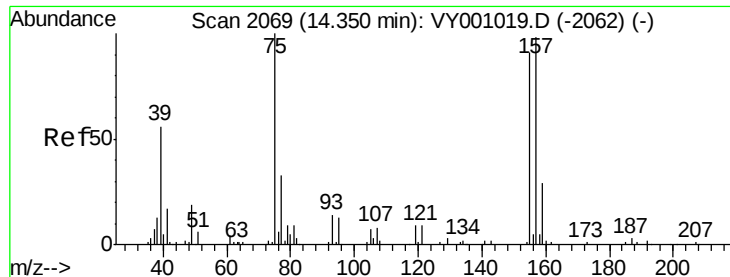
Tot Ion: 75 Resp: 6961
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.288 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.10 min
 Lab File: VY001030.D
 Acq: 23 Dec 2019 15:52

Tgt Ion: 75 Resp: 6961
 Ion Ratio Lower Upper
 75 100
 53 0.0 60.6 91.0#
 89 0.0 35.4 53.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.502 ug/l

RT: 14.45 min Scan# 2085

Delta R.T. 0.10 min

Lab File: VY001030.D

Acq: 23 Dec 2019 15:52

Instrument :

MSVOA_Y

ClientSampleId :

161-CHURCH-ST-NORTH-HALED0

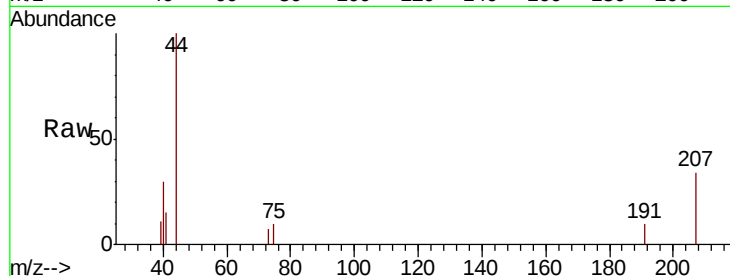
Tot Ion: 75 Resp: 50

Ion Ratio Lower Upper

75 100

155 0.0 46.3 138.9#

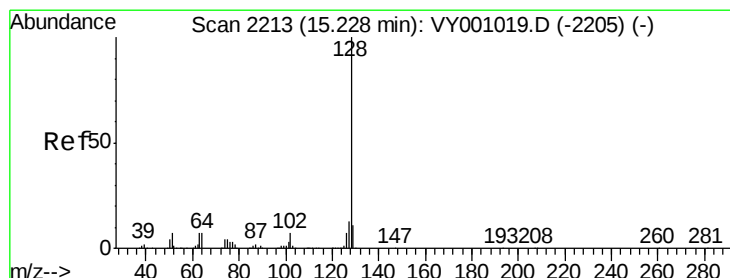
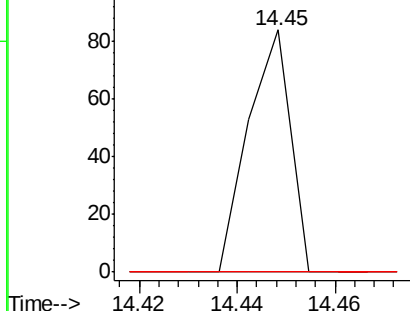
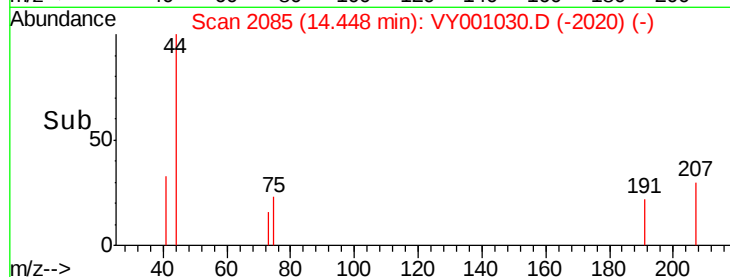
157 0.0 58.1 174.4#



Abundance Ion 74.90 (74.60 to 75.60): VY001019.D (-2062) (-)

Ion 154.80 (154.50 to 155.50): VY001019.D (-2062) (-)

Ion 156.80 (156.50 to 157.50): VY001019.D (-2062) (-)



#95

Naphthalene

Concen: 1.434 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY001030.D

Acq: 23 Dec 2019 15:52

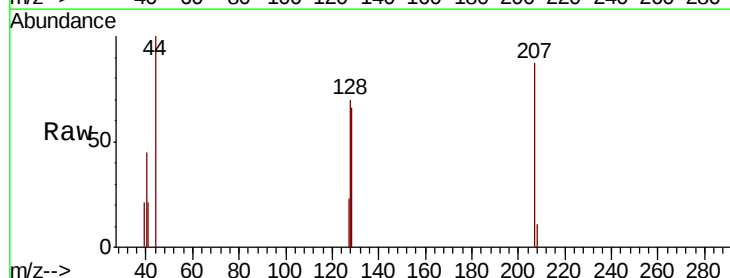
Tgt Ion: 128 Resp: 916

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

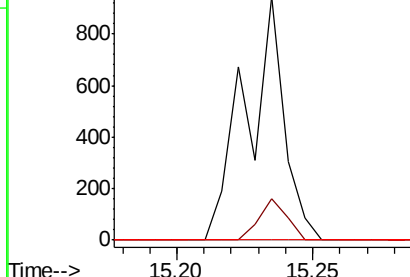
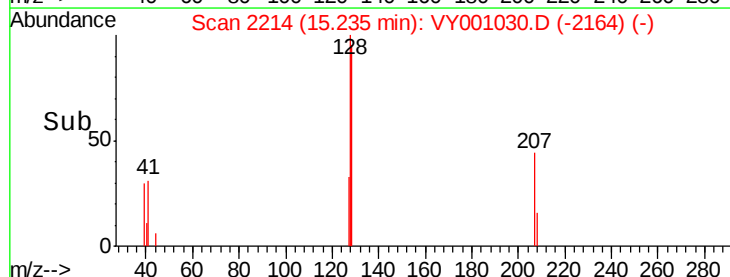
129 0.0 8.6 13.0#

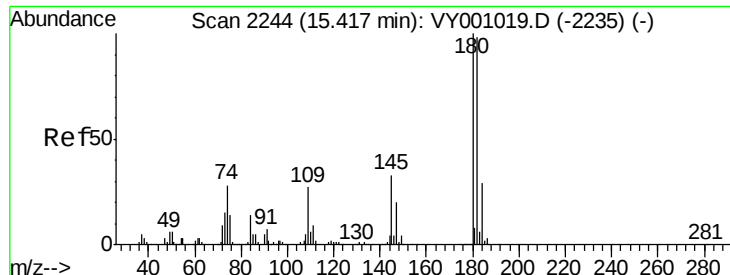


Abundance Ion 128.00 (127.70 to 128.70): VY001019.D (-2205) (-)

Ion 127.00 (126.70 to 127.70): VY001019.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VY001019.D (-2205) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 1.594 ug/l
 RT: 15.41 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: VY001030.D
 Acq: 23 Dec 2019 15:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 161-CHURCH-ST-NORTH-HALED0

Tot Ion	Ratio	Lower	Upper
180	100		
182	23.1	47.9	143.8#
145	0.0	16.3	48.9#

