

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003130.D
 Acq On : 07 Jul 2020 16:38
 Operator : SY/MD
 Sample : L3217-05RE
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-BOILER-ROOMRE

Quant Time: Jul 08 03:52:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	229251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	368376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	316905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	110554	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	121018	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
35) Dibromofluoromethane	7.72	113	124137	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	10.18	98	423049	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.48	95	121793	40.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.84%	

Target Compounds

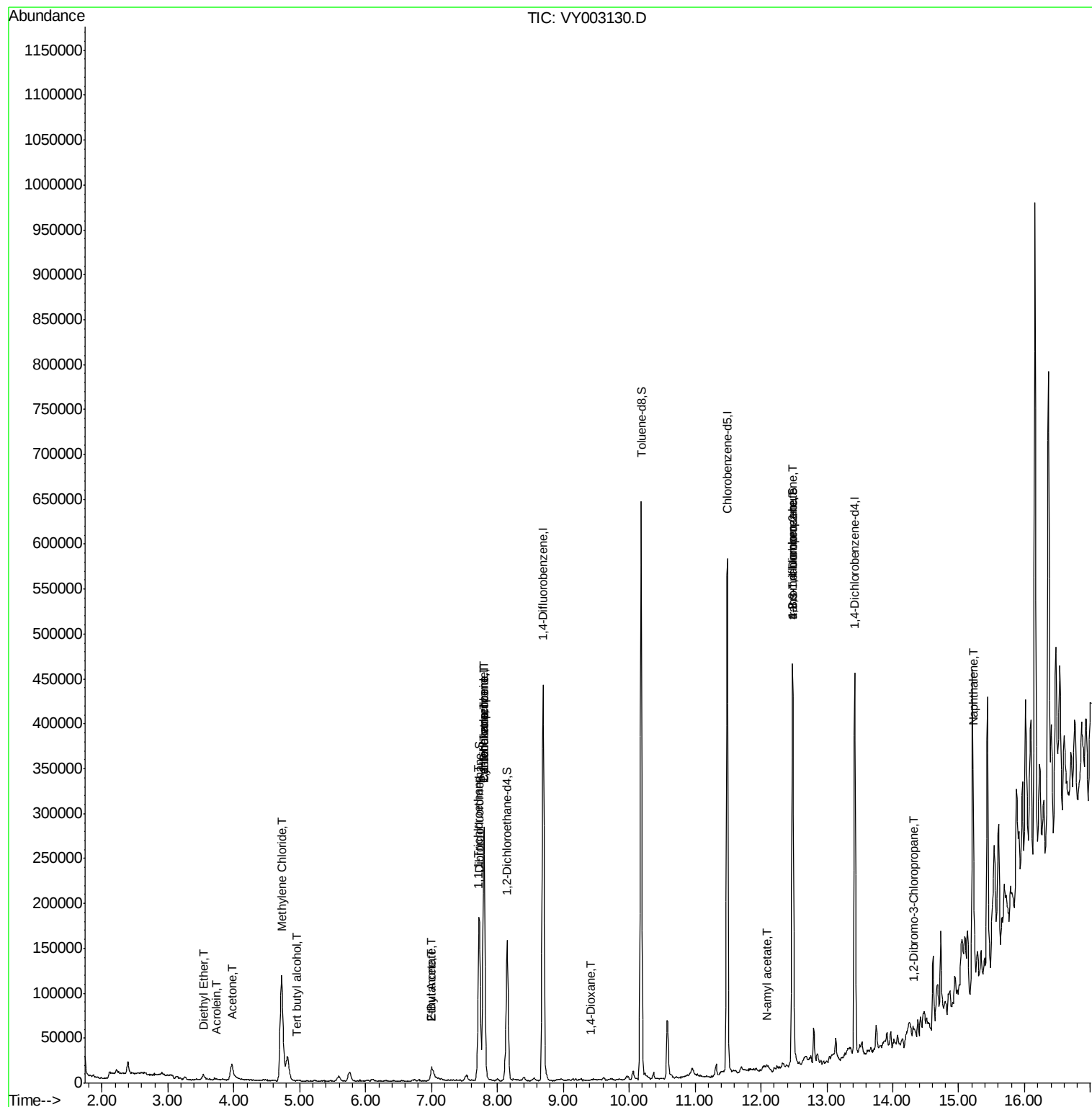
						Qvalue
8) Diethyl Ether	3.54	74	3406	2.838	ug/l	98
11) Tert butyl alcohol	4.95	59	251	1.082	ug/l #	73
13) Acrolein	3.74	56	811	3.891	ug/l #	68
16) Acetone	3.97	43	37141	69.163	ug/l	95
20) Methylene Chloride	4.72	84	91619	36.327	ug/l	90
25) 2-Butanone	7.00	43	17083	20.026	ug/l	100
31) Cyclohexane	7.79	56	4515	1.127	ug/l #	1
32) 1,1,1-Trichloroethane	7.71	97	10152	2.762	ug/l	97
36) 1,1-Dichloropropene	7.80	75	15923	4.487	ug/l #	50
37) Ethyl Acetate	7.00	43	17083	8.007	ug/l #	72
38) Carbon Tetrachloride	7.80	117	21003	5.689	ug/l #	17
49) 1,4-Dioxane	9.41	88	20	1.122	ug/l #	1
74) N-amyl acetate	12.09	43	2509	1.065	ug/l #	55
76) 1,2,3-Trichloropropane	12.48	75	62376	57.009	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	62376	110.915	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.31	75	457	1.768	ug/l	74
95) Naphthalene	15.23	128	8428	1.998	ug/l #	17

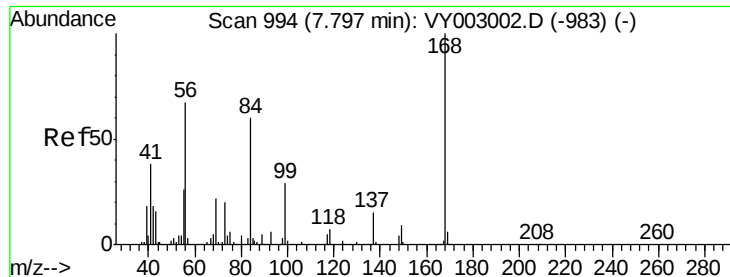
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_Y

ClientSampleId :

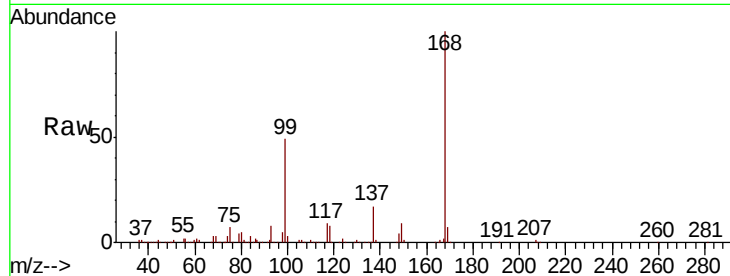
E3-41-BOILER-ROOMRE

Tot Ion:168 Resp: 229251

Ion Ratio Lower Upper

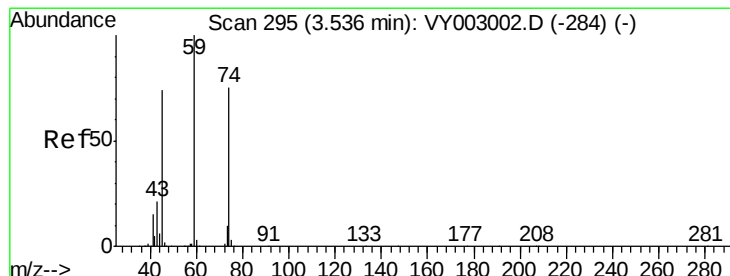
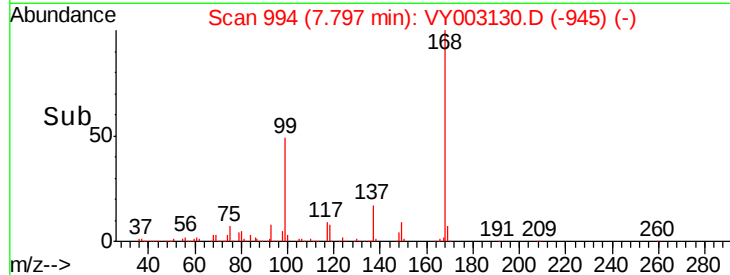
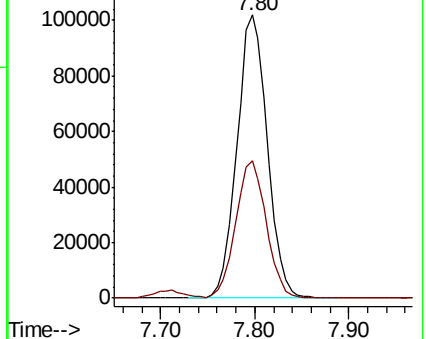
168 100

99 48.4 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003130.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003130.D (-945) (-)



#8

Diethyl Ether

Concen: 2.838 ug/l

RT: 3.54 min Scan# 296

Delta R.T. 0.01 min

Lab File: VY003130.D

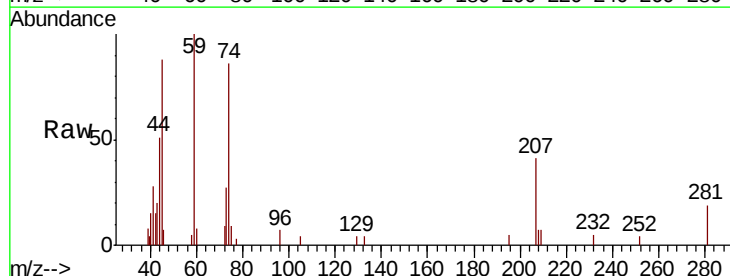
Acq: 07 Jul 2020 16:38

Tgt Ion: 74 Resp: 3406

Ion Ratio Lower Upper

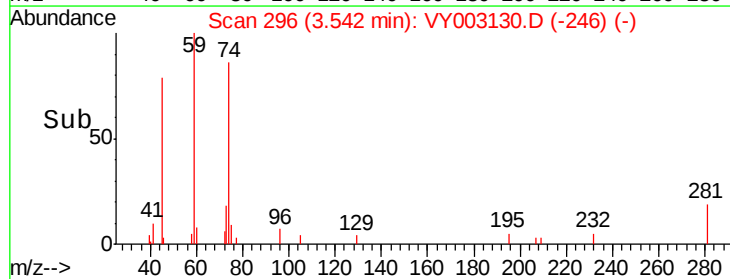
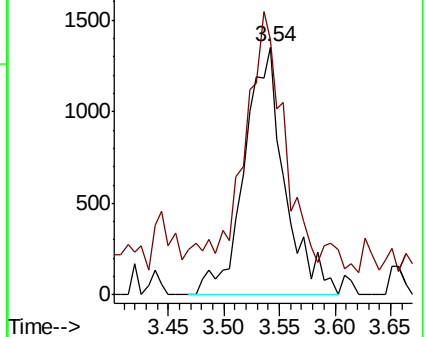
74 100

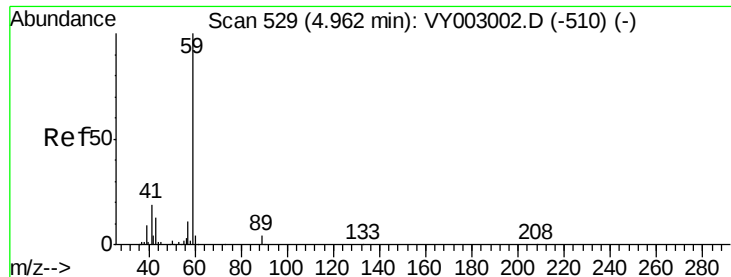
45 100.8 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY003130.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY003130.D (-246) (-)

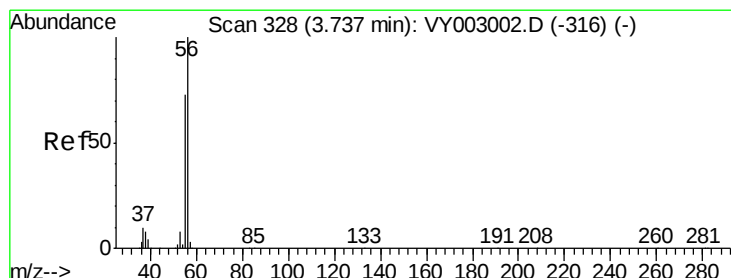
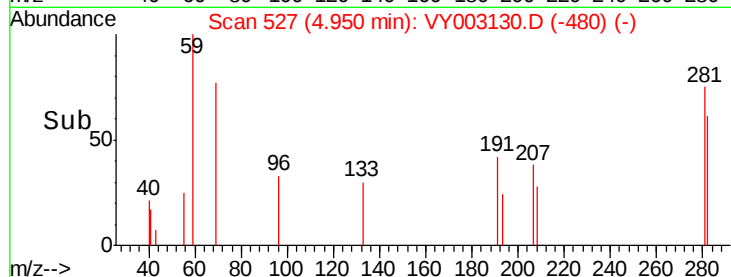
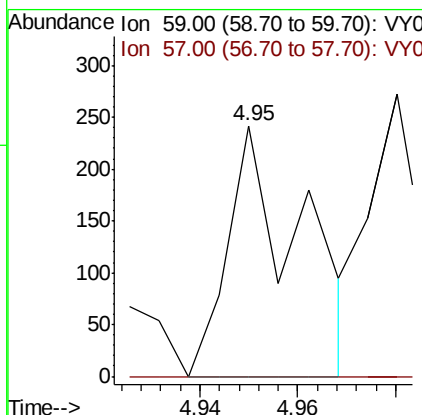
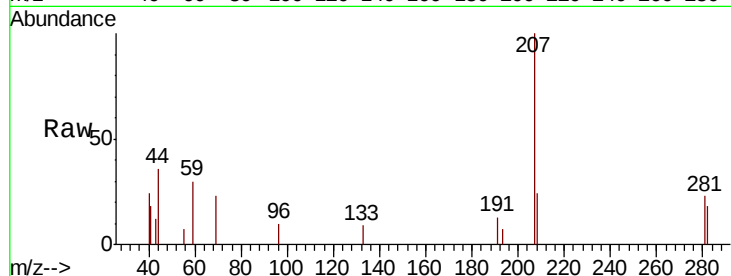




#11
Tert butyl alcohol
Concen: 1.082 ug/l
RT: 4.95 min Scan# 527
Delta R.T. -0.01 min
Lab File: VY003130.D
Acq: 07 Jul 2020 16:38

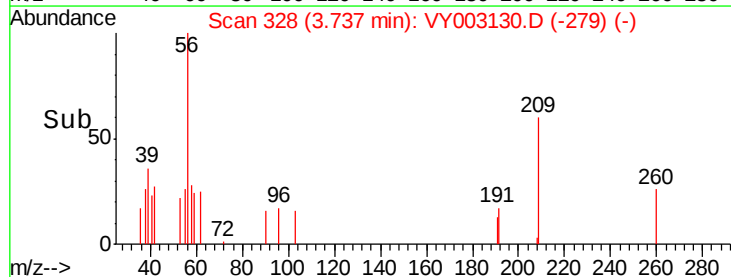
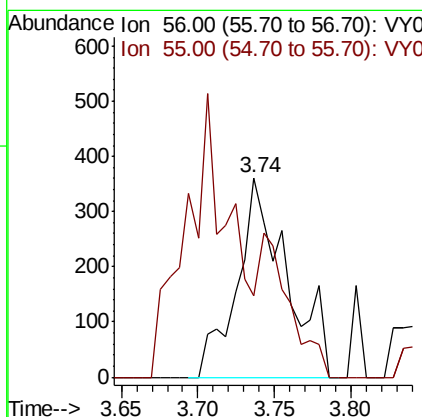
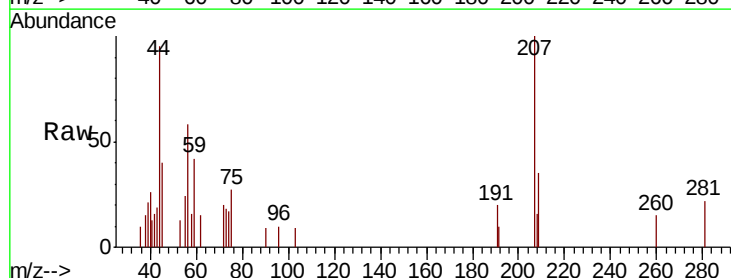
Instrument :
MSVOA_Y
ClientSampleId :
E3-41-BOILER-ROOMRE

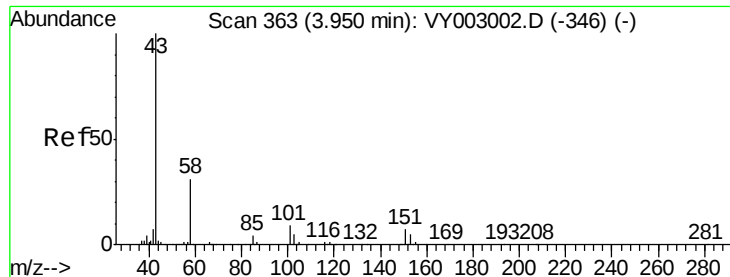
Tot Ion: 59 Resp: 251
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#13
Acrolein
Concen: 3.891 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.00 min
Lab File: VY003130.D
Acq: 07 Jul 2020 16:38

Tgt Ion: 56 Resp: 811
Ion Ratio Lower Upper
56 100
55 44.1 56.4 84.6#





#16

Acetone

Concen: 69.163 ug/l

RT: 3.97 min Scan# 366

Delta R.T. 0.02 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_Y

ClientSampleId :

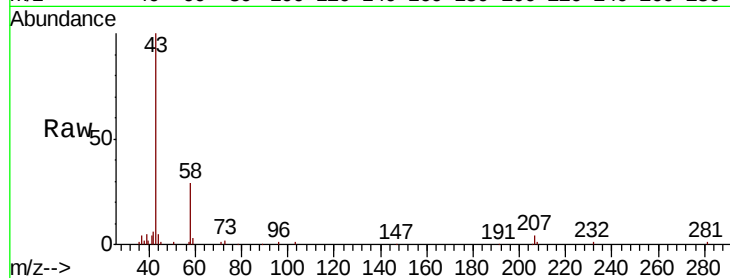
E3-41-BOILER-ROOMRE

Tot Ion: 43 Resp: 37141

Ion Ratio Lower Upper

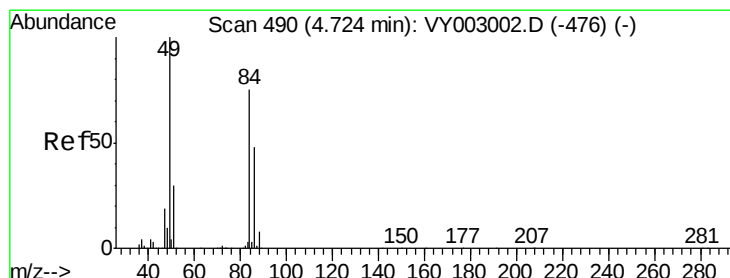
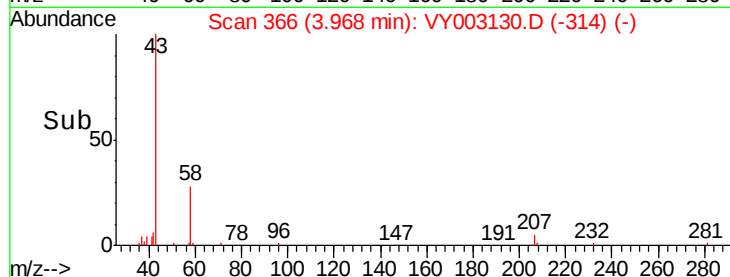
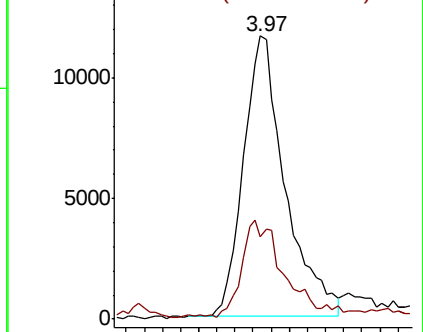
43 100

58 27.9 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 36.327 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

Tgt Ion: 84 Resp: 91619

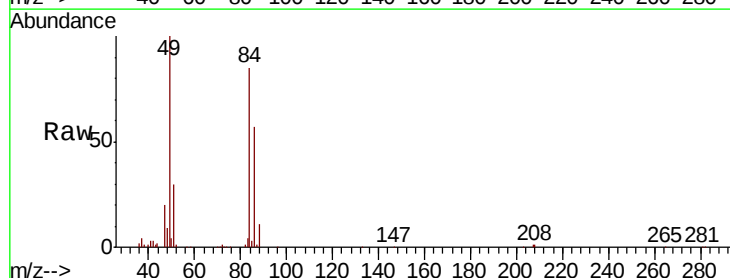
Ion Ratio Lower Upper

84 100

49 118.0 106.8 160.2

51 35.2 32.0 48.0

86 67.0 51.4 77.2

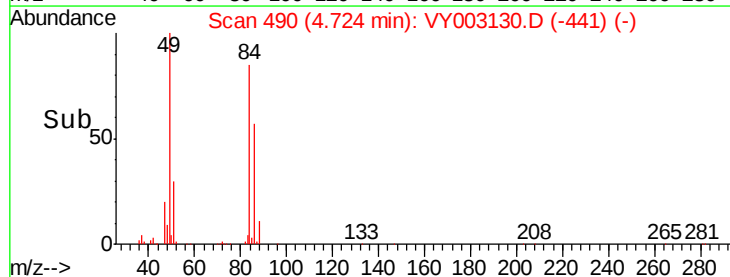
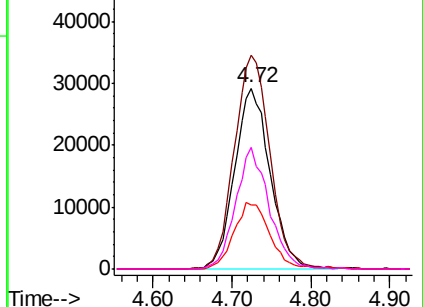


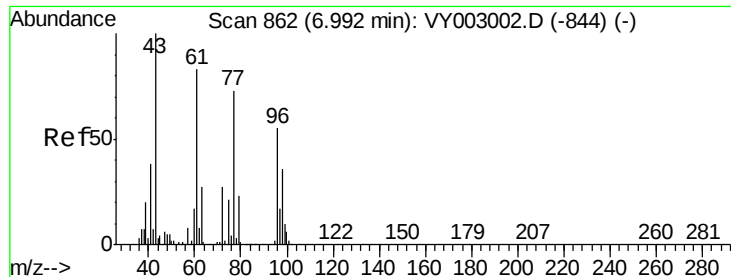
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0





#25

2-Butanone

Concen: 20.026 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_Y

ClientSampleId :

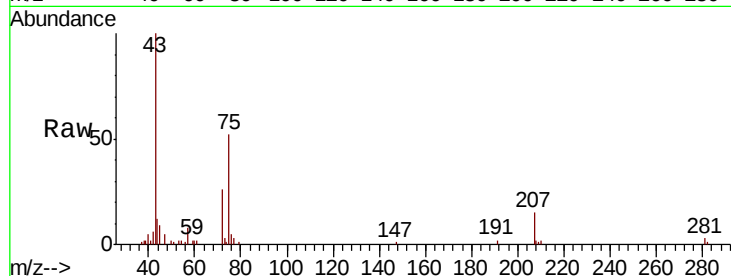
E3-41-BOILER-ROOMRE

Tot Ion: 43 Resp: 17083

Ion Ratio Lower Upper

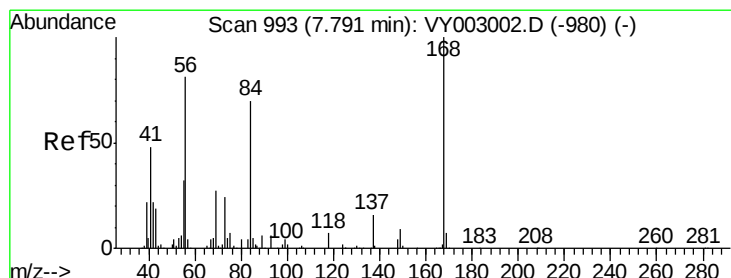
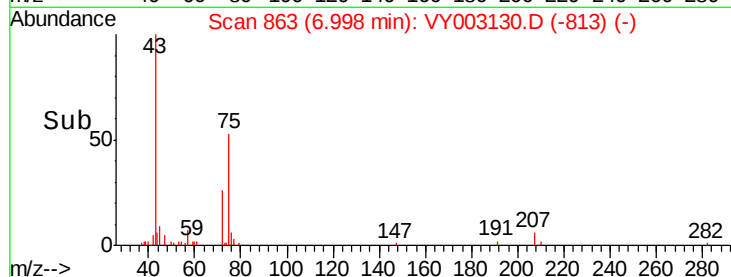
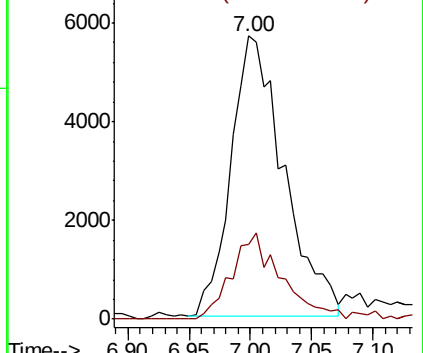
43 100

72 26.5 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#31

Cyclohexane

Concen: 1.127 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

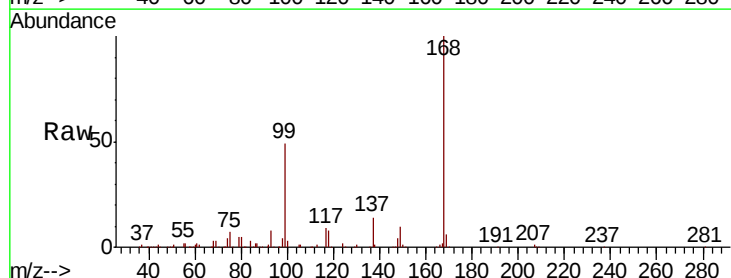
Tgt Ion: 56 Resp: 4515

Ion Ratio Lower Upper

56 100

69 174.5 27.0 40.4#

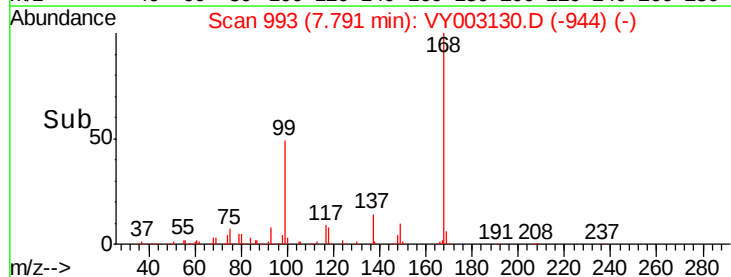
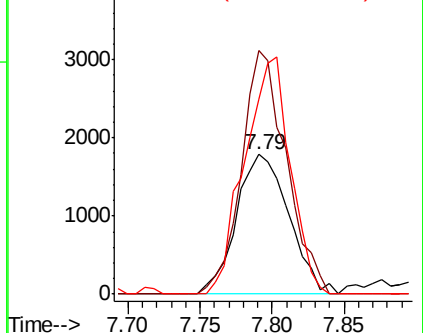
84 139.9 68.1 102.1#

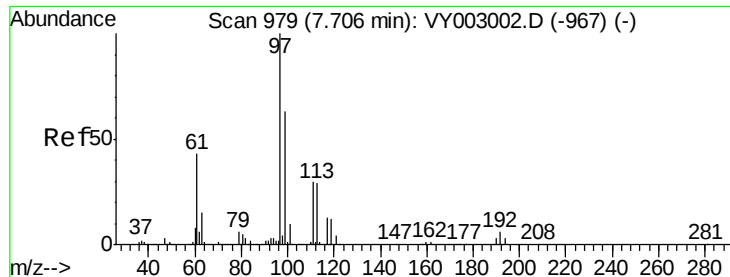


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0





#32

1,1,1-Trichloroethane

Concen: 2.762 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.01 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-BOILER-ROOMRE

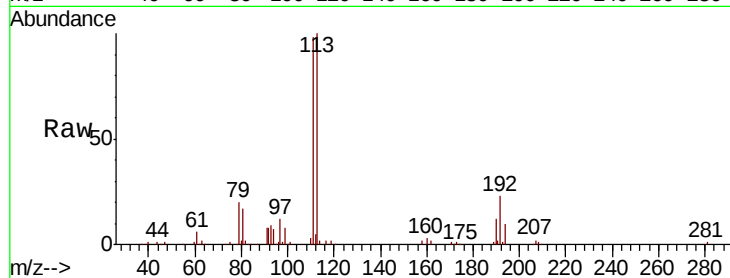
Tot Ion: 97 Resp: 10152

Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.2

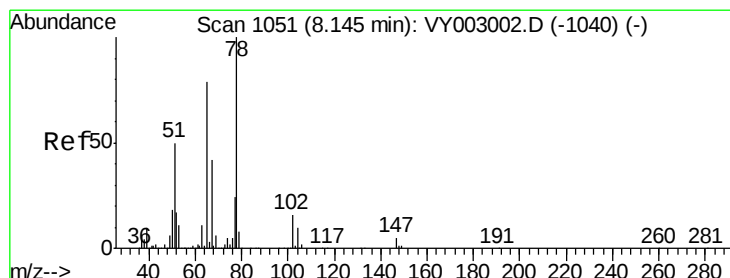
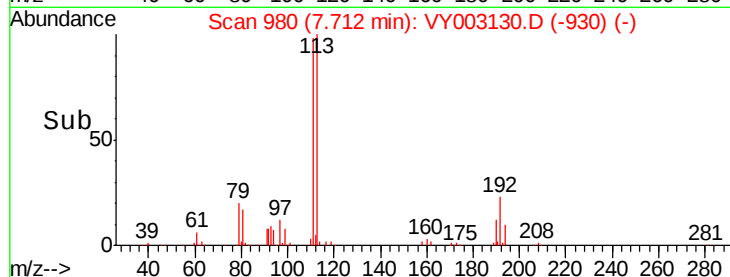
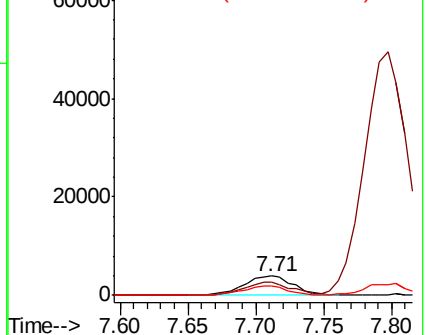
61 45.6 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0



#33

1,2-Dichloroethane-d4

Concen: 53.150 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003130.D

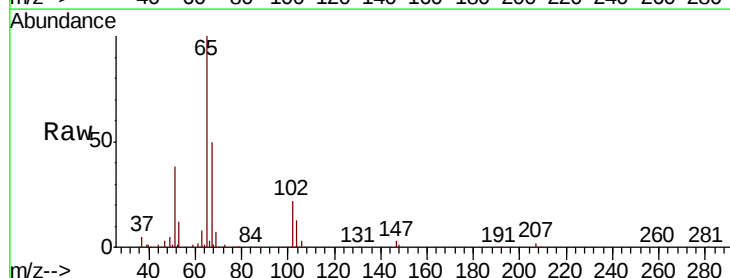
Acq: 07 Jul 2020 16:38

Tgt Ion: 65 Resp: 121018

Ion Ratio Lower Upper

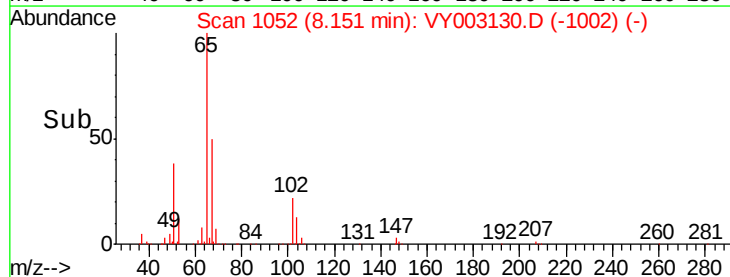
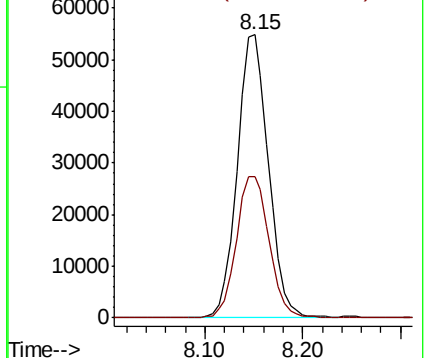
65 100

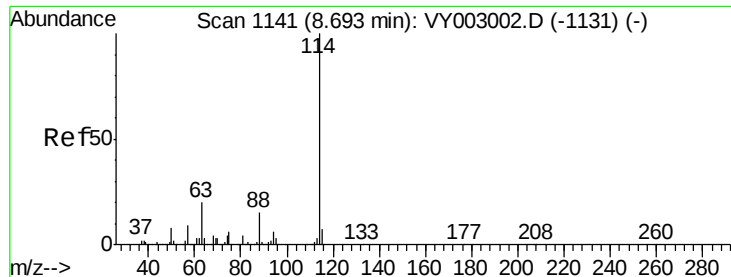
67 52.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

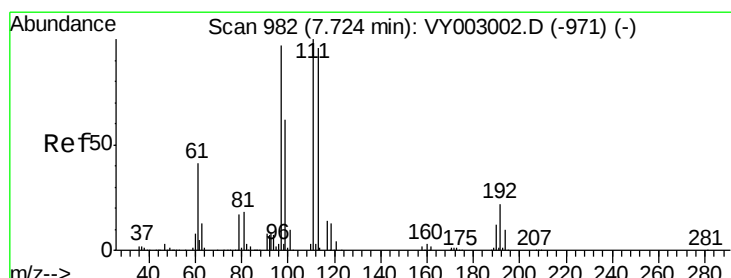
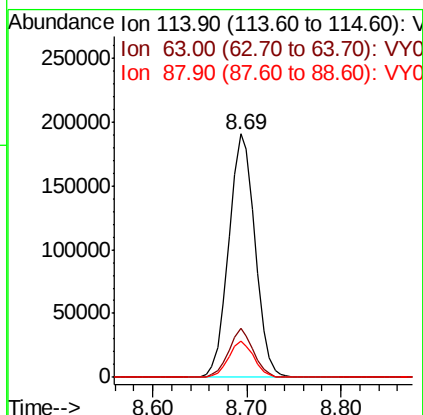
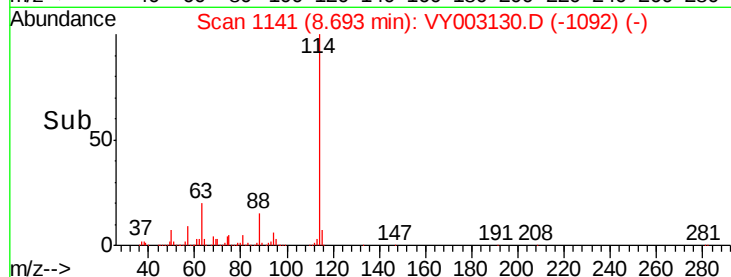
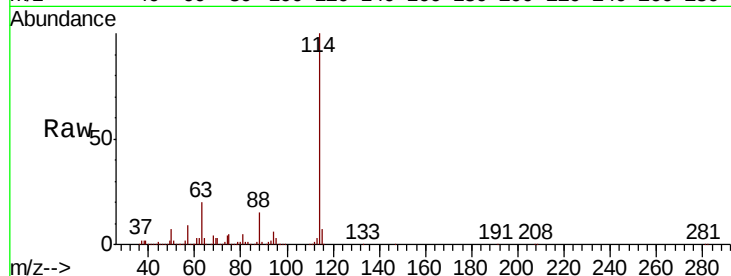




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003130.D
 Acq: 07 Jul 2020 16:38

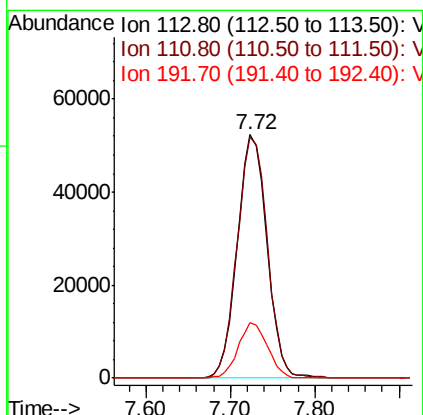
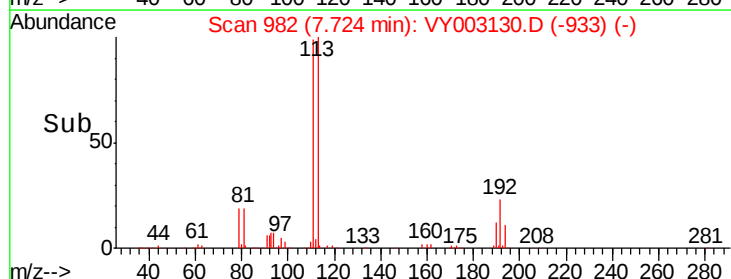
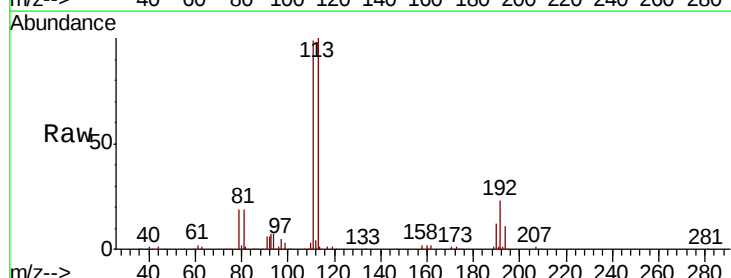
Instrument :
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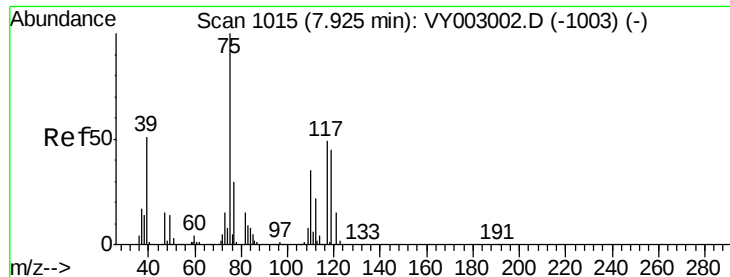
Tot Ion:114 Resp: 368376
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.6
 88 14.9 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 54.020 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003130.D
 Acq: 07 Jul 2020 16:38

Tgt Ion:113 Resp: 124137
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.6 123.8
 192 22.6 18.1 27.1

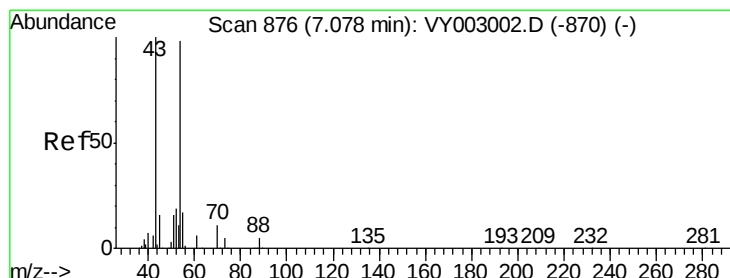
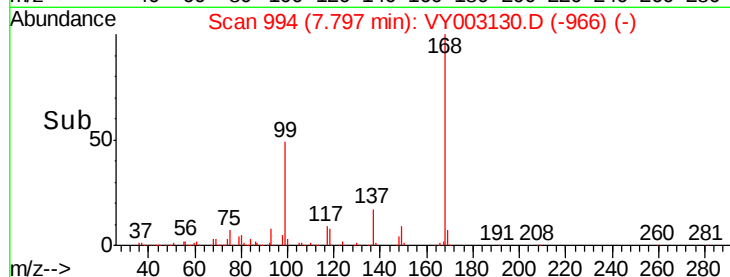
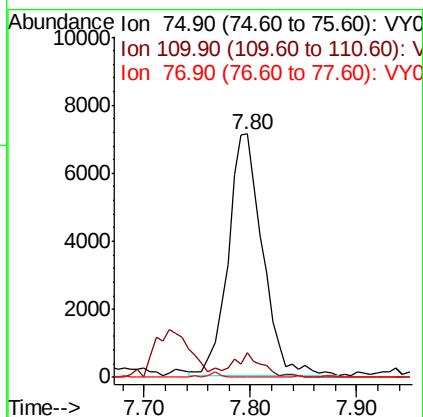
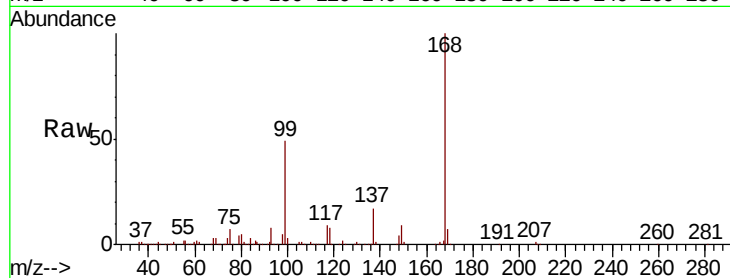




#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003130.D
 Acq: 07 Jul 2020 16:38

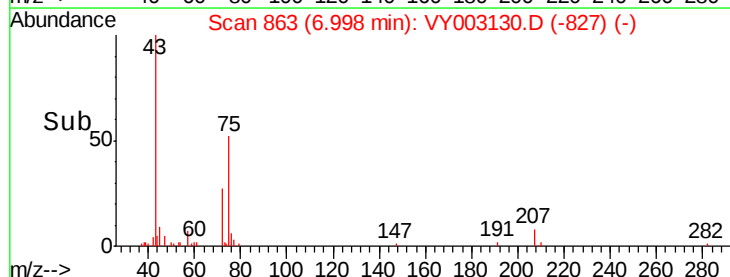
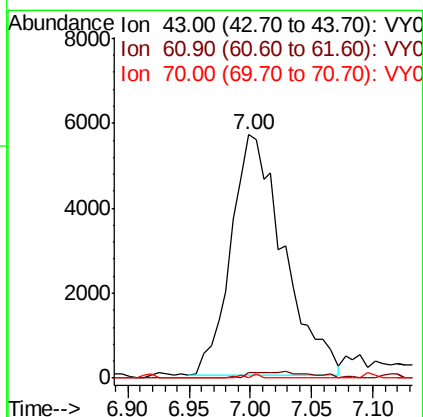
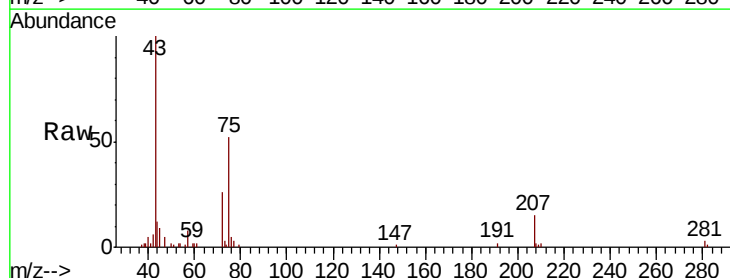
Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-BOILER-ROOMRE

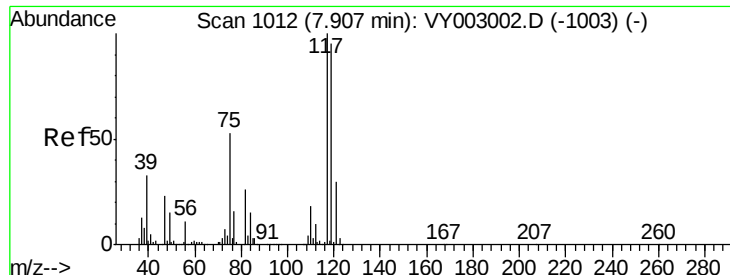
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.1	51.2#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: 8.007 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.08 min
 Lab File: VY003130.D
 Acq: 07 Jul 2020 16:38

Tgt Ion	Ratio	Lower	Upper
43	100		
61	1.2	10.4	15.6#
70	0.1	7.7	11.5#





#38

Carbon Tetrachloride

Concen: 5.689 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_Y

ClientSampleId :

E3-41-BOILER-ROOMRE

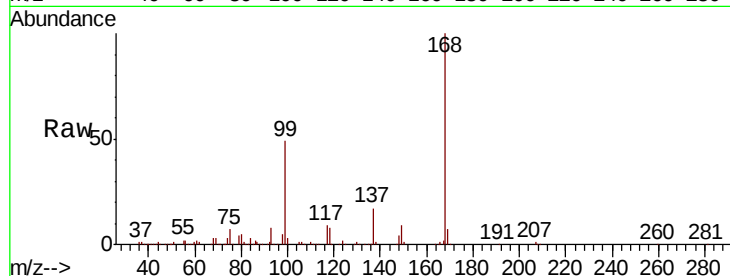
Tot Ion:117 Resp: 21003

Ion Ratio Lower Upper

117 100

119 5.3 75.7 113.5#

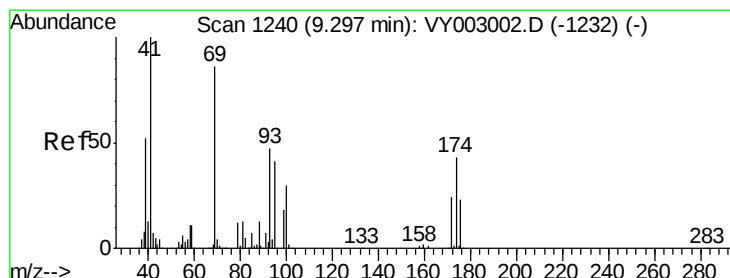
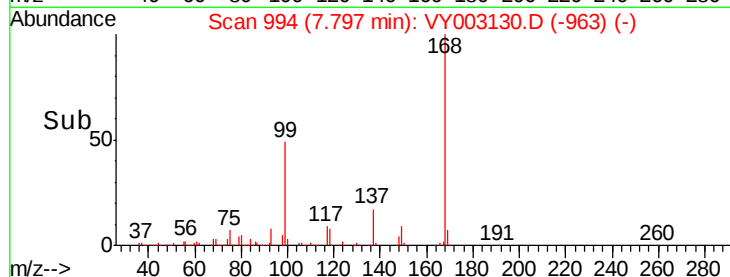
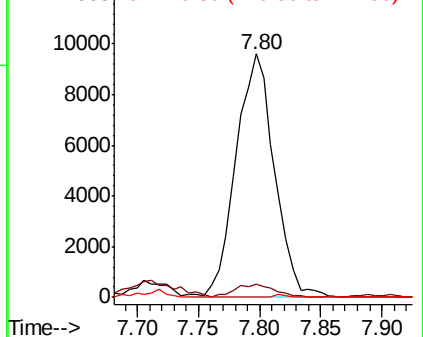
121 0.0 23.9 35.9#



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



#49

1,4-Dioxane

Concen: 1.122 ug/l

RT: 9.41 min Scan# 1258

Delta R.T. 0.11 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

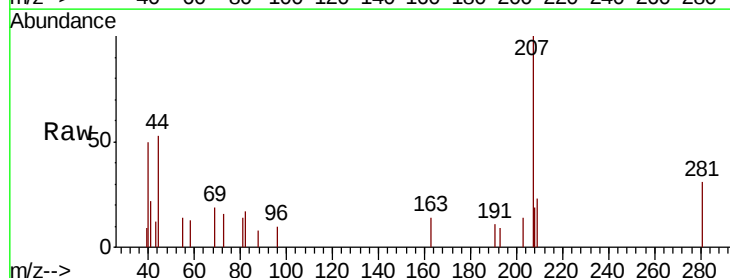
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 820.0 28.6 42.8#

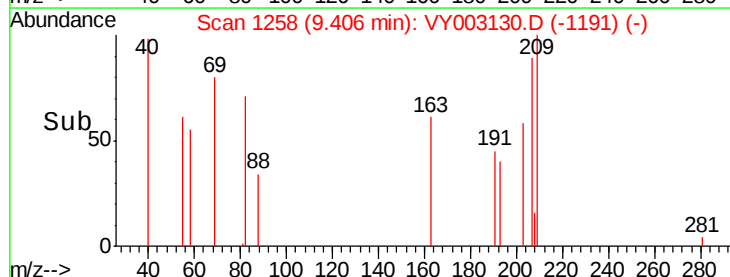
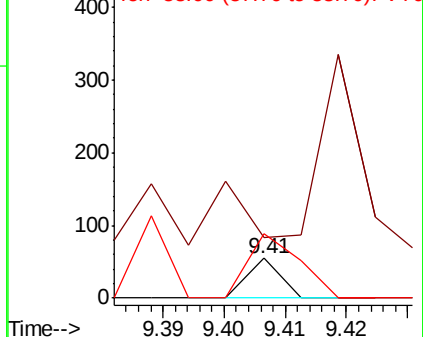
58 255.0 56.7 85.1#

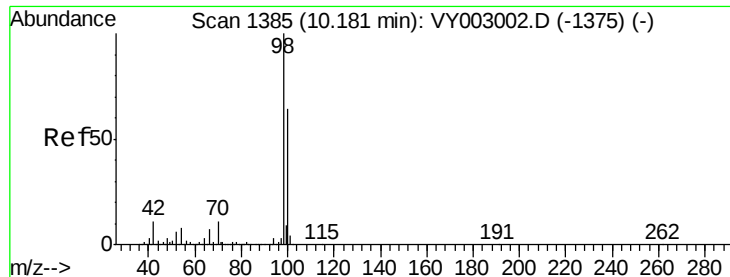


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 49.416 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

Instrument :

MSVOA_Y

ClientSampleId :

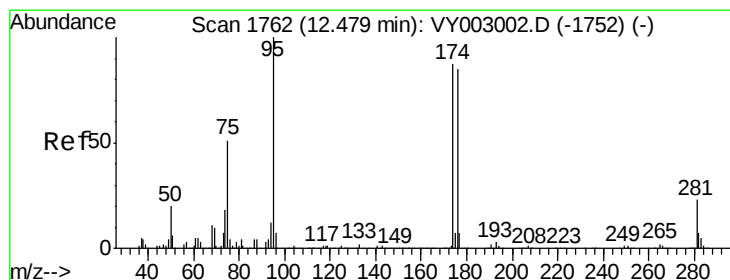
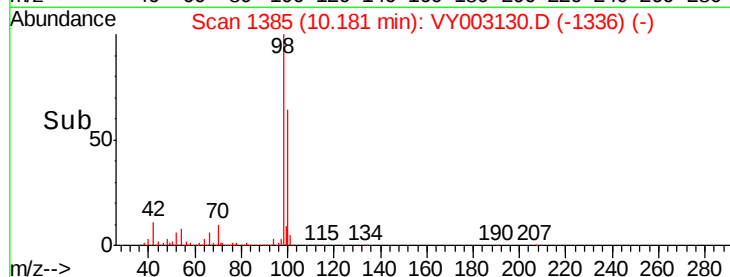
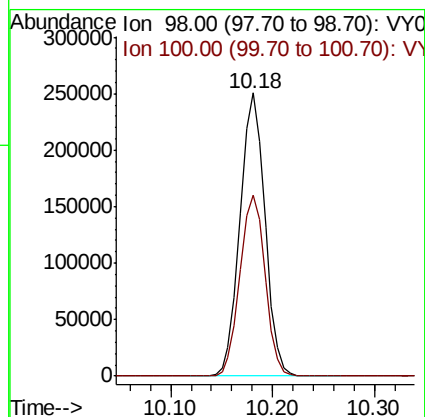
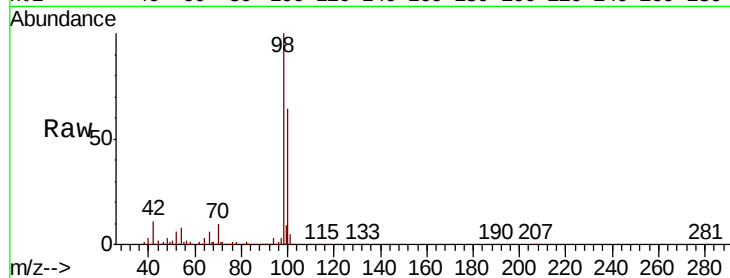
E3-41-BOILER-ROOMRE

Tot Ion: 98 Resp: 423049

Ion Ratio Lower Upper

98 100

100 64.6 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 40.416 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003130.D

Acq: 07 Jul 2020 16:38

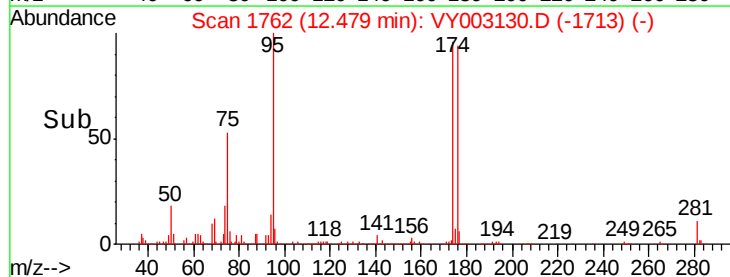
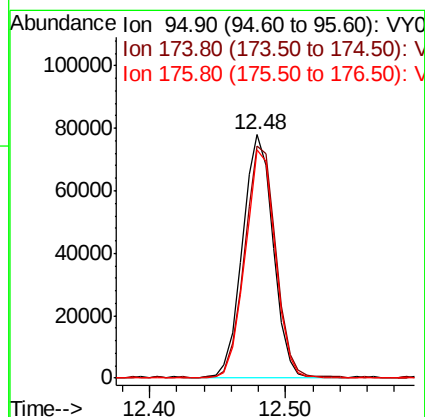
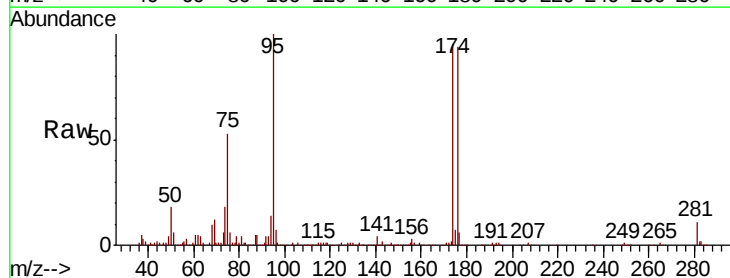
Tgt Ion: 95 Resp: 121793

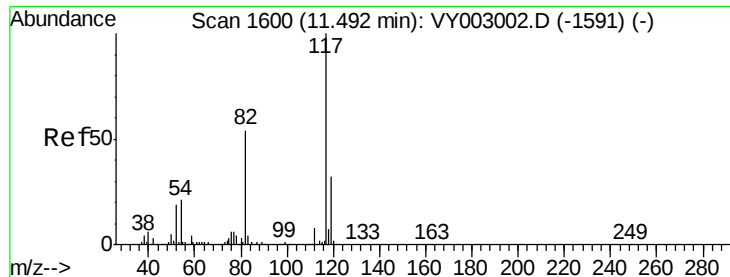
Ion Ratio Lower Upper

95 100

174 99.1 0.0 184.8

176 93.0 0.0 183.0

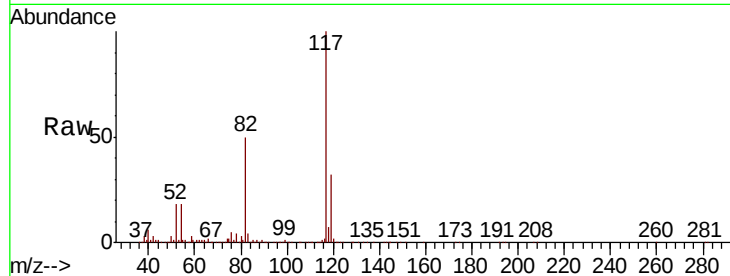




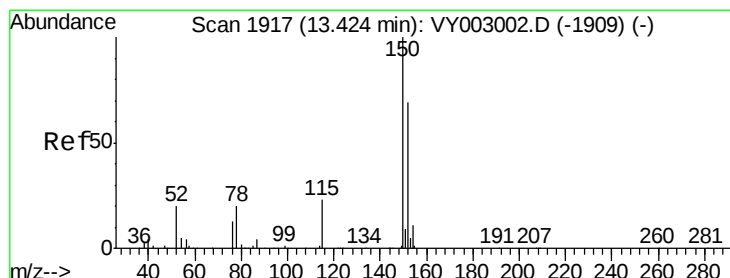
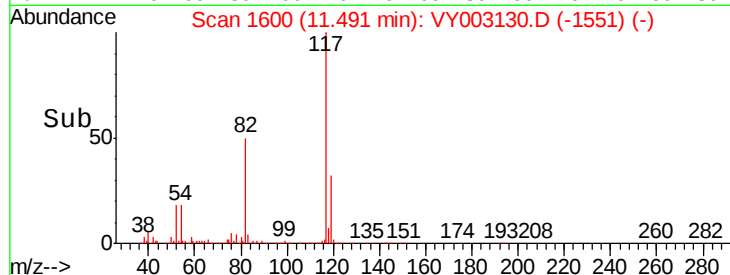
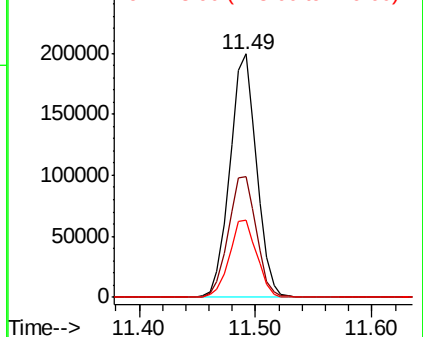
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003130.D
Acq: 07 Jul 2020 16:38

Instrument :
MSVOA_Y
ClientSampleId :
E3-41-BOILER-ROOMRE

Tot Ion:117 Resp: 316905
Ion Ratio Lower Upper
117 100
82 49.6 43.0 64.6
119 31.9 25.8 38.8

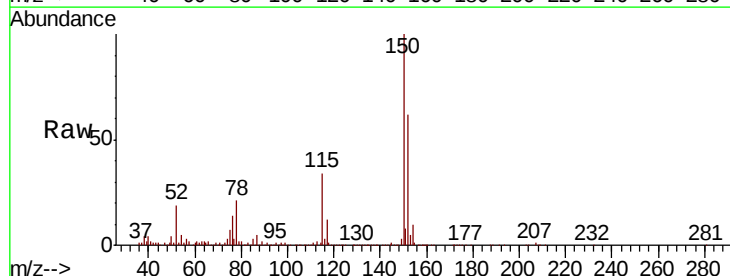


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

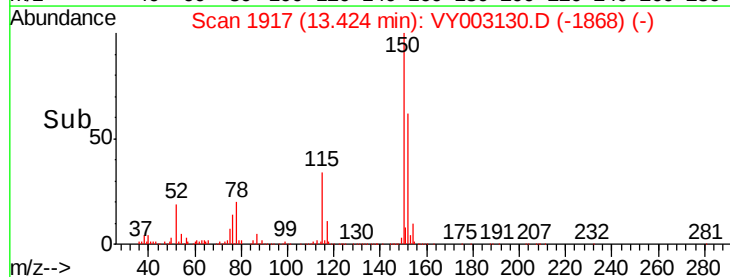
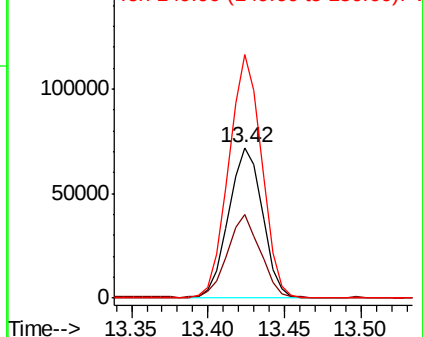


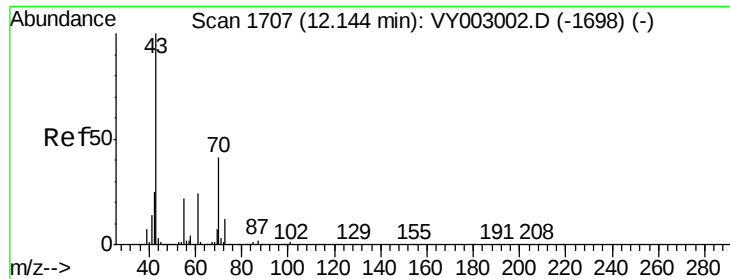
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003130.D
Acq: 07 Jul 2020 16:38

Tgt Ion:152 Resp: 110554
Ion Ratio Lower Upper
152 100
115 53.2 27.3 81.9
150 156.9 0.0 343.4



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

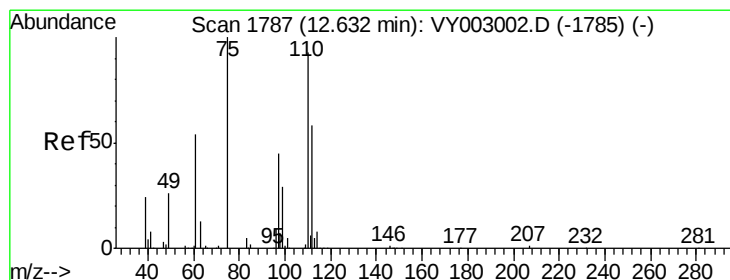
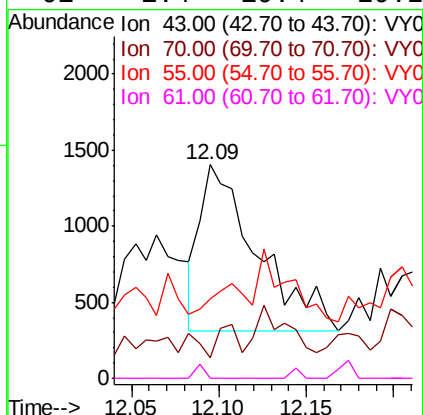
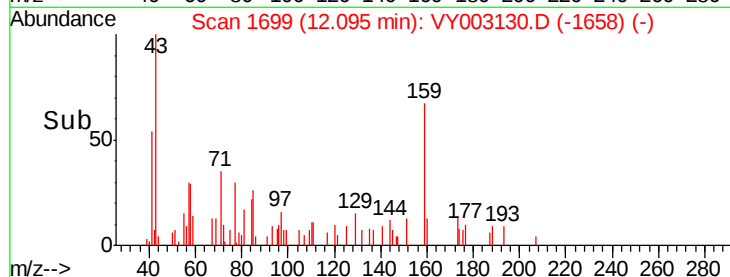
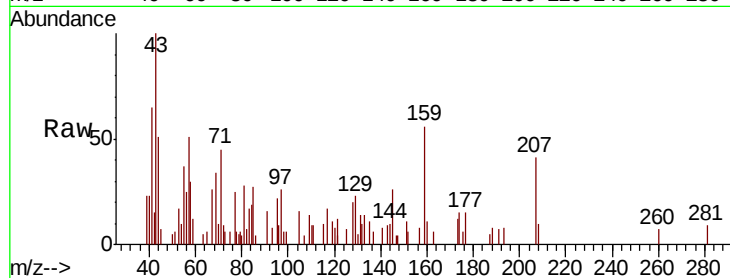




#74
N-amvl acetate
Concen: 1.065 ug/l
RT: 12.09 min Scan# 1699
Delta R.T. -0.05 min
Lab File: VY003130.D
Acq: 07 Jul 2020 16:38

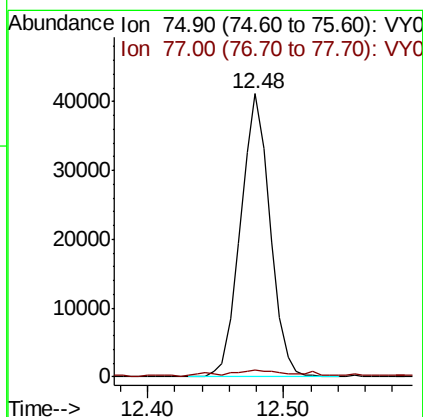
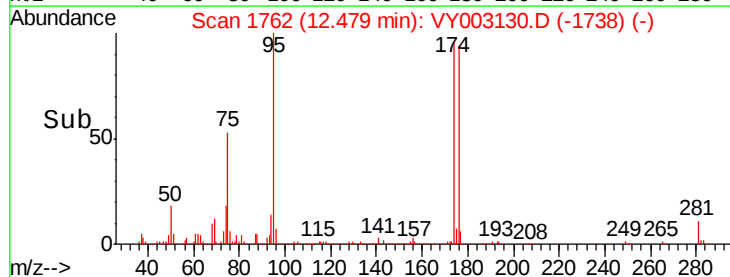
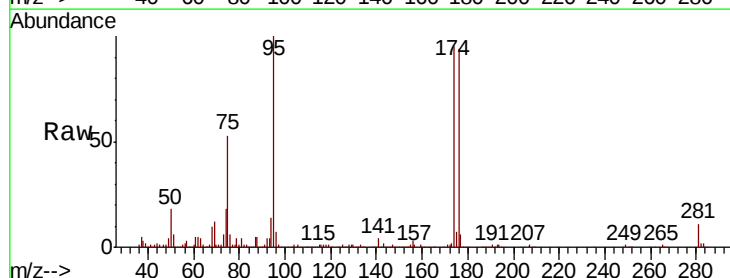
Instrument :
MSVOA_Y
ClientSampleId :
E3-41-BOILER-ROOMRE

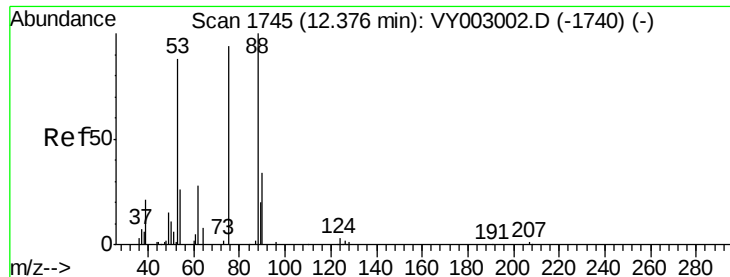
Tot Ion: 43 Resp: 2509
Ion Ratio Lower Upper
43 100
70 6.5 33.0 49.4#
55 10.0 18.2 27.2#
61 1.4 19.4 29.2#



#76
1,2,3-Trichloropropane
Concen: 57.009 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003130.D
Acq: 07 Jul 2020 16:38

Tgt Ion: 75 Resp: 62376
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#

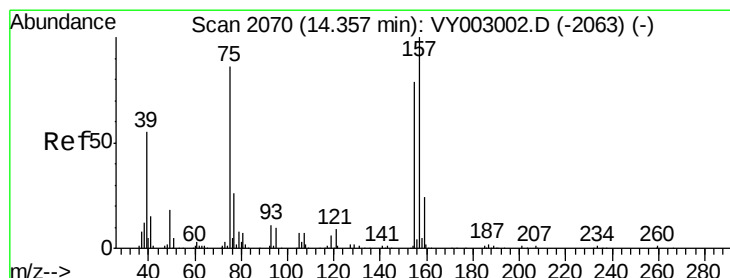
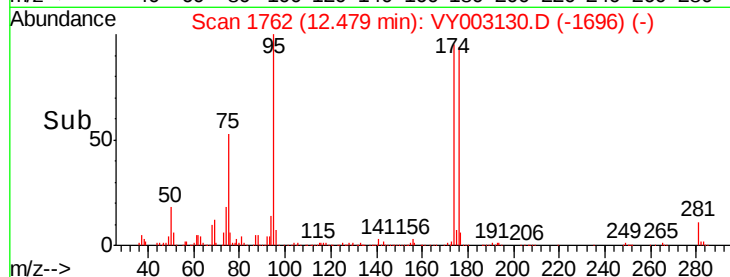
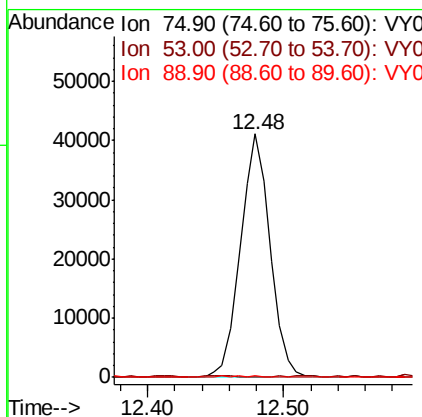
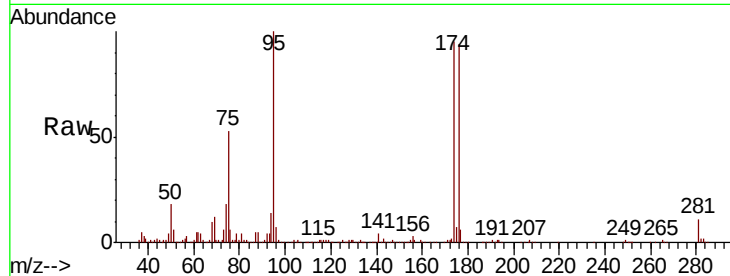




#81
trans-1,4-Dichloro-2-butene
Concen: 110.915 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.10 min
Lab File: VY003130.D
Acq: 07 Jul 2020 16:38

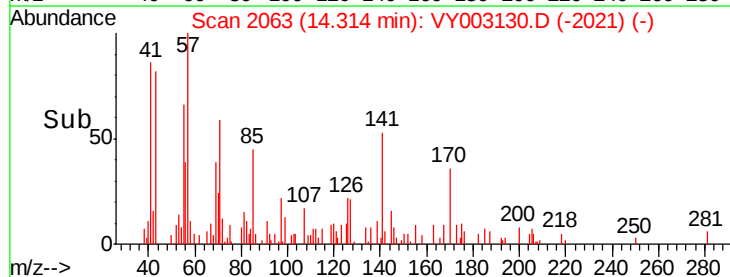
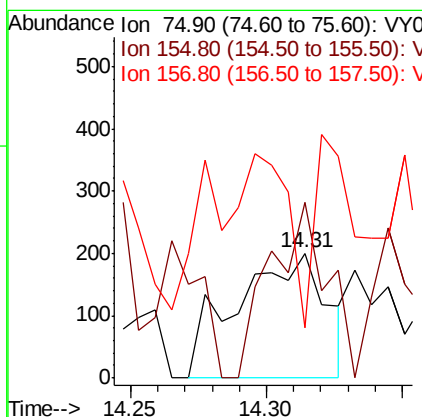
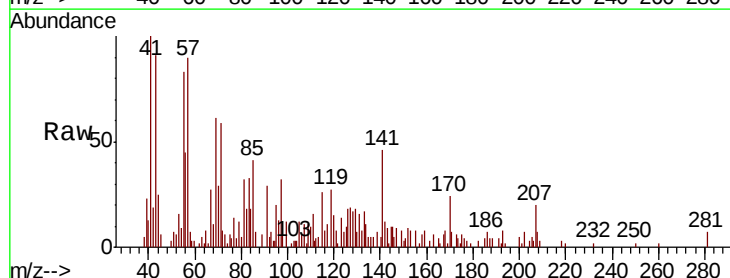
Instrument :
MSVOA_Y
ClientSampleId :
E3-41-BOILER-ROOMRE

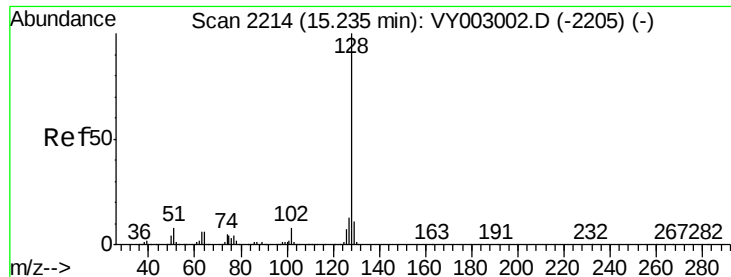
Tot Ion: 75 Resp: 62376
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 1.2 37.5 56.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.768 ug/l
RT: 14.31 min Scan# 2063
Delta R.T. -0.04 min
Lab File: VY003130.D
Acq: 07 Jul 2020 16:38

Tgt Ion: 75 Resp: 457
Ion Ratio Lower Upper
75 100
155 89.1 46.5 139.3
157 70.2 59.2 177.5





#95
 Naphthalene
 Concen: 1.998 ug/l
 RT: 15.23 min Scan# 2213
 Delta R.T. -0.01 min
 Lab File: VY003130.D
 Acq: 07 Jul 2020 16:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 E3-41-BOILER-ROOMRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	54.2	10.8	16.2#
129	33.6	8.8	13.2#

