

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071320\
 Data File : VY003183.D
 Acq On : 13 Jul 2020 15:19
 Operator : SY/MD
 Sample : L3283-03
 Misc : 7.72G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP

Quant Time: Jul 14 03:56:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	463281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	679220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	616242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	304775	50.00	ug/l	0.00

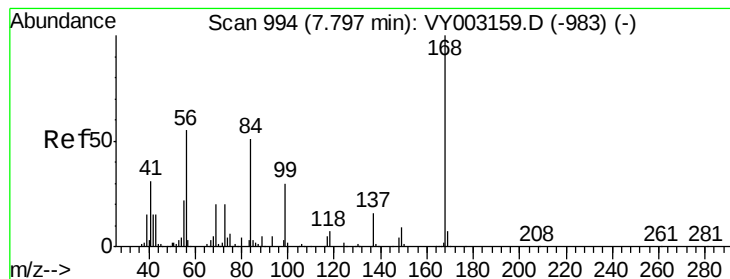
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	220063	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	
35) Dibromofluoromethane	7.72	113	208288	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	10.18	98	805346	55.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.84%	
62) 4-Bromofluorobenzene	12.48	95	268982	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	4.95	59	660	1.561	ug/l #	72
13) Acrolein	3.74	56	414	1.128	ug/l #	71
16) Acetone	3.96	43	15243	17.452	ug/l	95
25) 2-Butanone	7.00	43	4626	3.226	ug/l	96
31) Cyclohexane	7.80	56	8447	1.188	ug/l #	15
36) 1,1-Dichloropropene	7.79	75	31119	5.055	ug/l #	50
37) Ethyl Acetate	7.00	43	4626	1.395	ug/l #	69
38) Carbon Tetrachloride	7.79	117	40298	6.341	ug/l #	17
49) 1,4-Dioxane	9.30	88	253	7.782	ug/l #	87
51) 4-Methyl-2-Pentanone	10.18	43	3418	1.025	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	135975	50.402	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	135975	98.093	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY003183.D

Acq: 13 Jul 2020 15:19

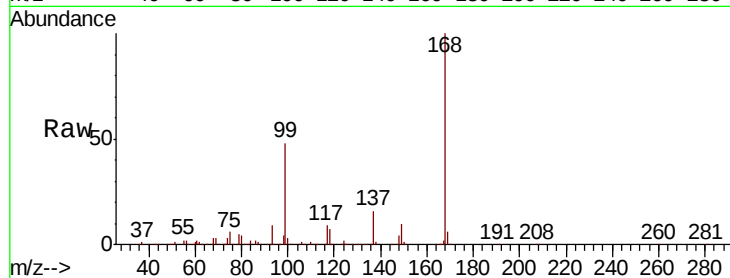
Instrument :
MSVOA_Y
ClientSampled :
TP

Tot Ion:168 Resp: 463281

Ion Ratio Lower Upper

168 100

99 47.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003183.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003183.D (-945) (-)

7.80

200000

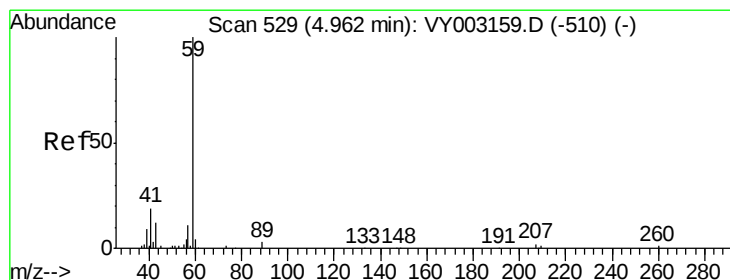
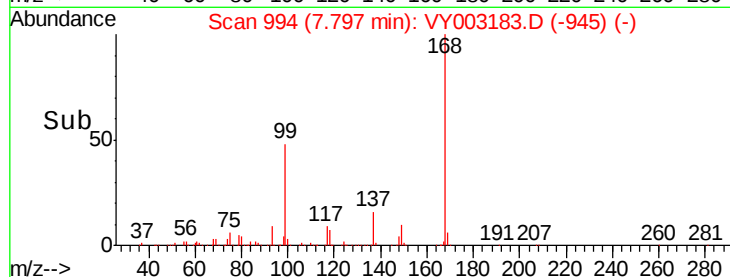
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.561 ug/l

RT: 4.95 min Scan# 527

Delta R.T. -0.01 min

Lab File: VY003183.D

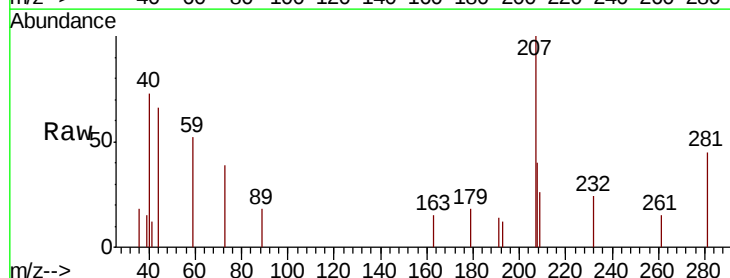
Acq: 13 Jul 2020 15:19

Tgt Ion: 59 Resp: 660

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003183.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003183.D (-480) (-)

4.95

250

200

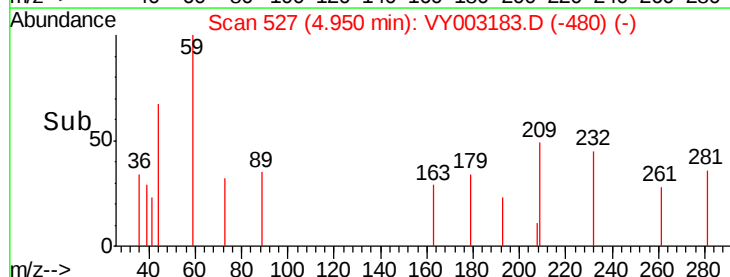
150

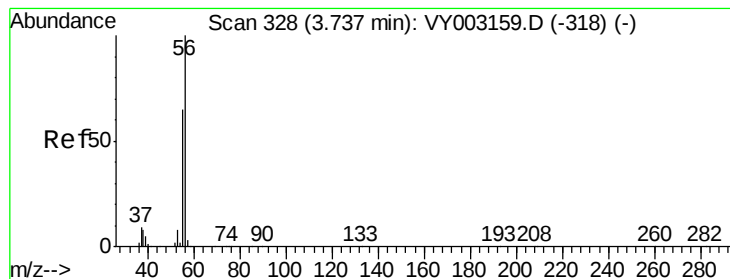
100

50

0

Time-->





#13

Acrolein

Concen: 1.128 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY003183.D

Acq: 13 Jul 2020 15:19

Instrument :

MSVOA_Y

ClientSampled :

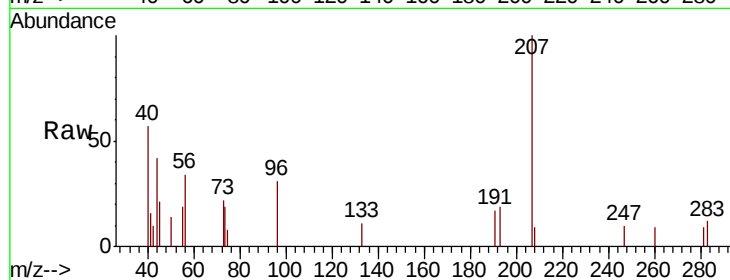
TP

Tot Ion: 56 Resp: 414

Ion Ratio Lower Upper

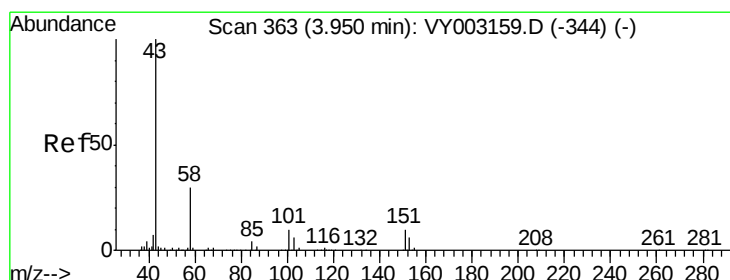
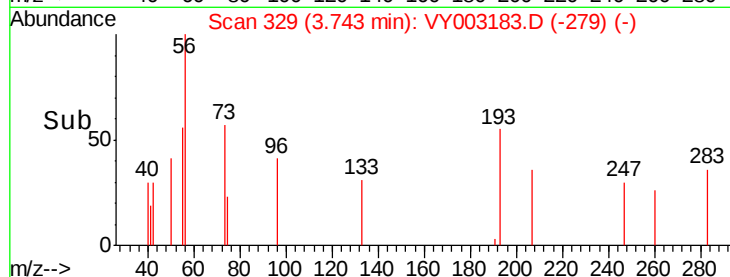
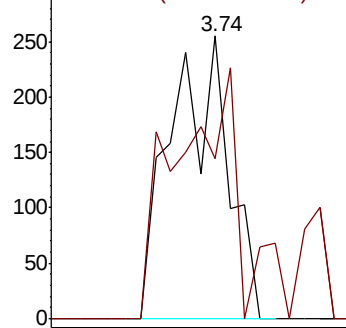
56 100

55 93.7 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#16

Acetone

Concen: 17.452 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003183.D

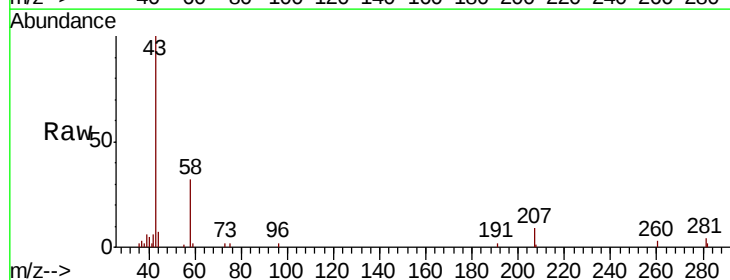
Acq: 13 Jul 2020 15:19

Tgt Ion: 43 Resp: 15243

Ion Ratio Lower Upper

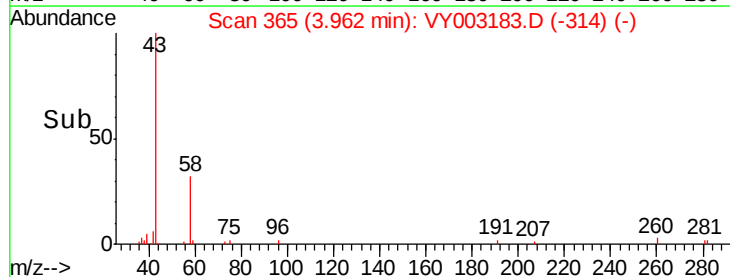
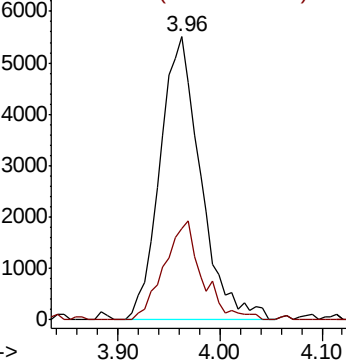
43 100

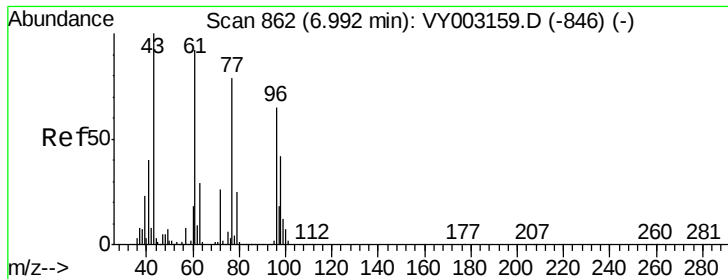
58 32.1 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

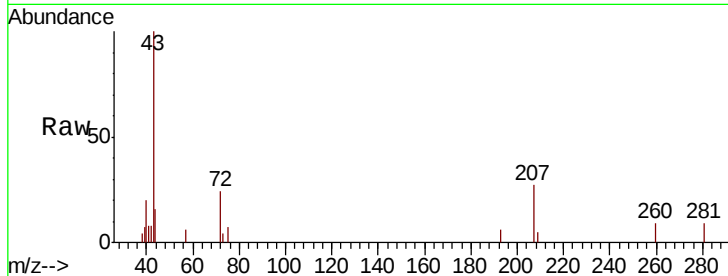




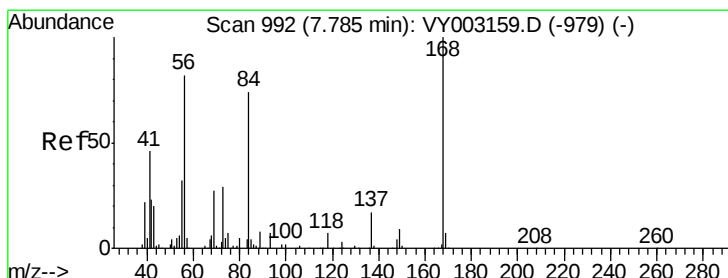
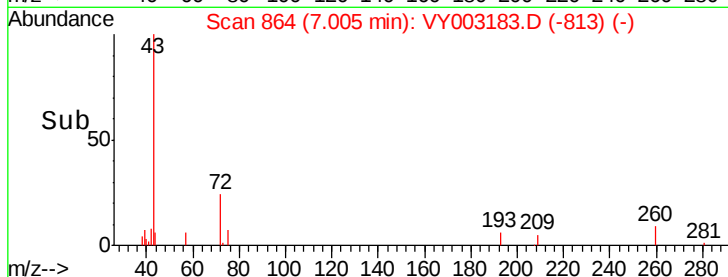
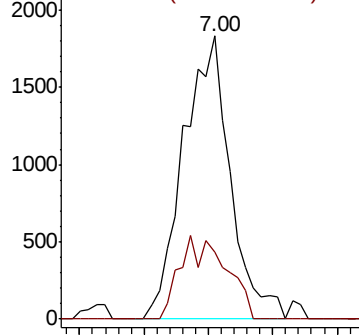
#25
2-Butanone
Concen: 3.226 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY003183.D
Acq: 13 Jul 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
TP

Tot Ion: 43 Resp: 4626
Ion Ratio Lower Upper
43 100
72 23.9 20.9 31.3

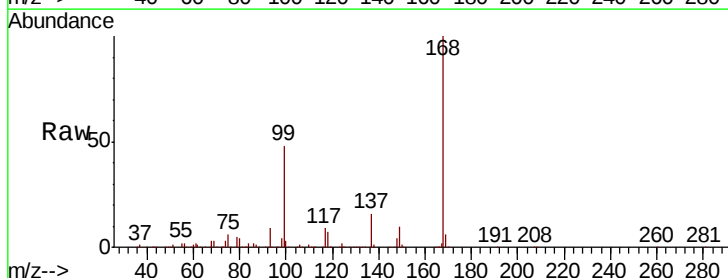


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 72.00 (71.70 to 72.70): VY0

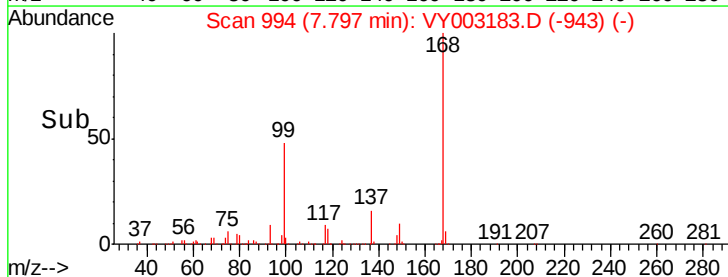
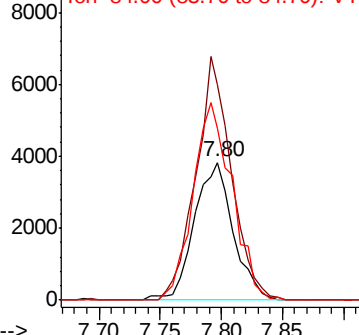


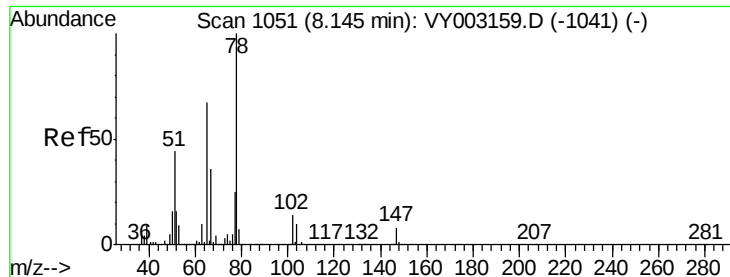
#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY003183.D
Acq: 13 Jul 2020 15:19

Tgt Ion: 56 Resp: 8447
Ion Ratio Lower Upper
56 100
69 156.4 26.7 40.1#
84 124.8 72.3 108.5#



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

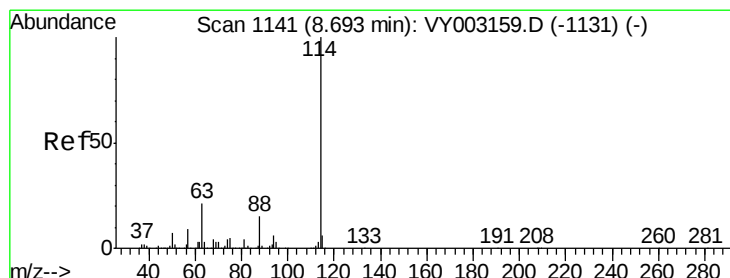
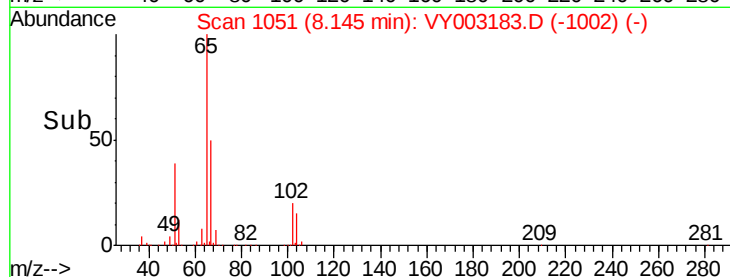
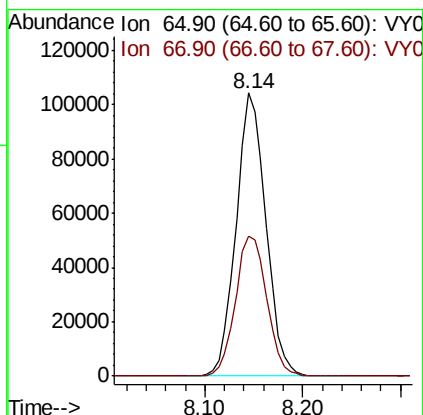
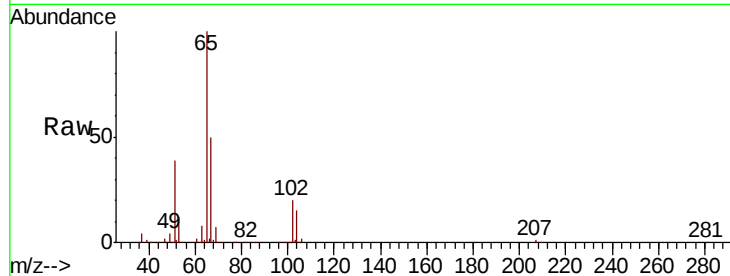




#33
 1,2-Dichloroethane-d4
 Concen: 56.278 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY003183.D
 Acq: 13 Jul 2020 15:19

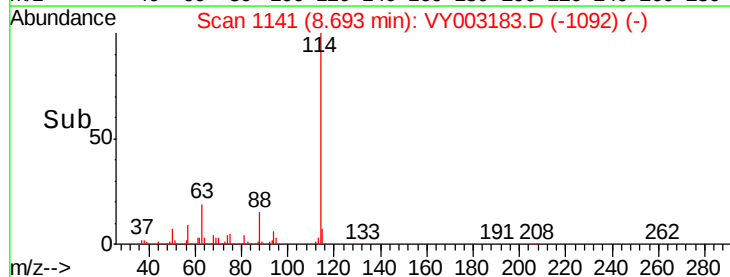
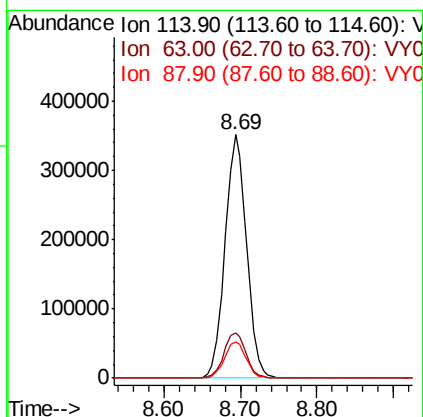
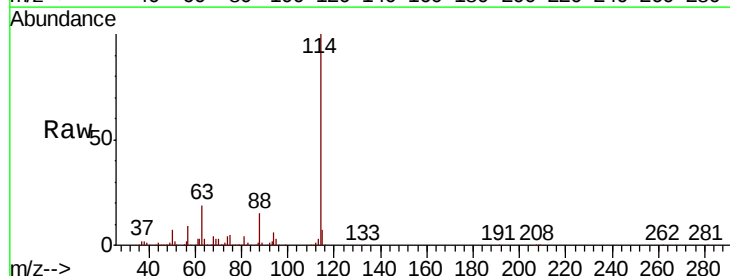
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP

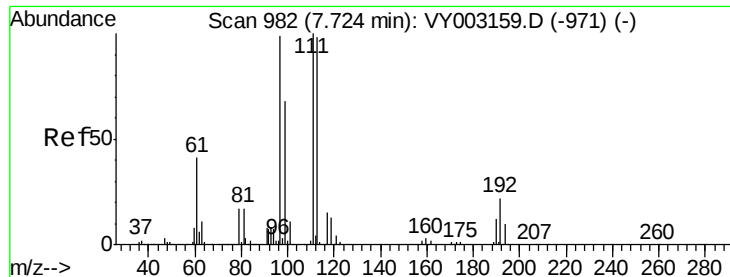
Tot Ion: 65 Resp: 220063
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY003183.D
 Acq: 13 Jul 2020 15:19

Tgt Ion: 114 Resp: 679220
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 41.2
 88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 53.288 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003183.D

Acq: 13 Jul 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

TP

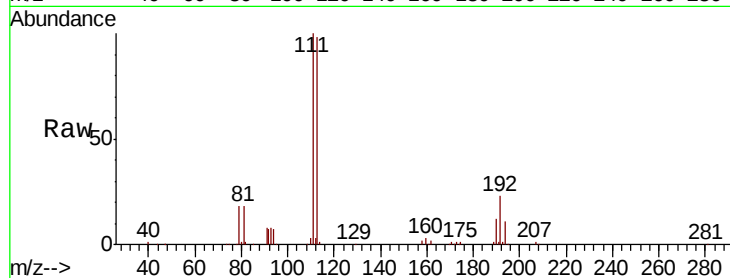
Tot Ion:113 Resp: 208288

Ion Ratio Lower Upper

113 100

111 103.5 82.1 123.1

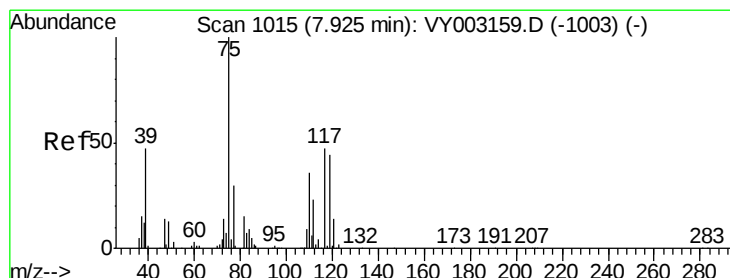
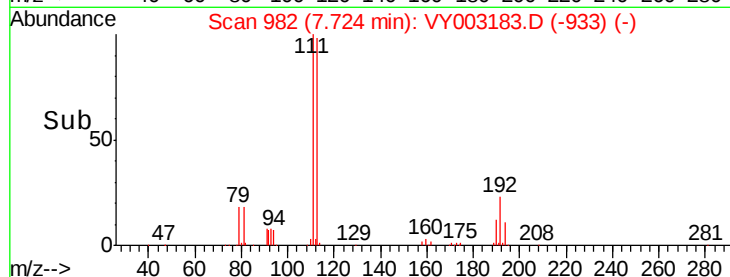
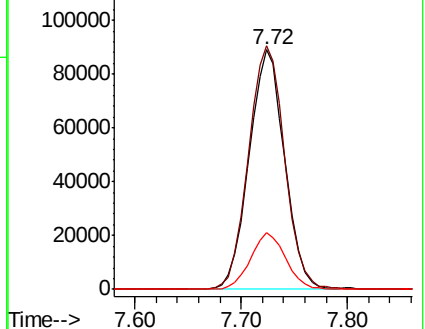
192 23.4 18.8 28.2



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: 5.055 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003183.D

Acq: 13 Jul 2020 15:19

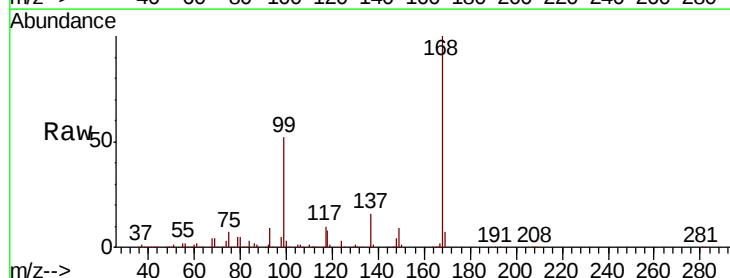
Tgt Ion: 75 Resp: 31119

Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.1#

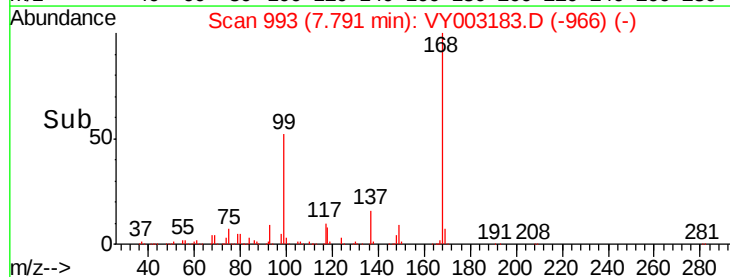
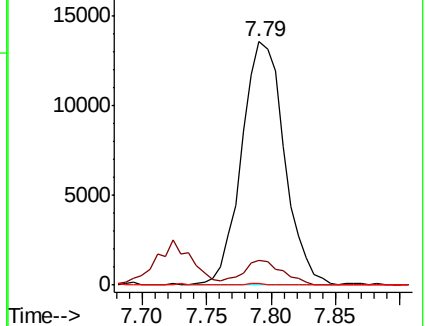
77 0.2 24.8 37.2#

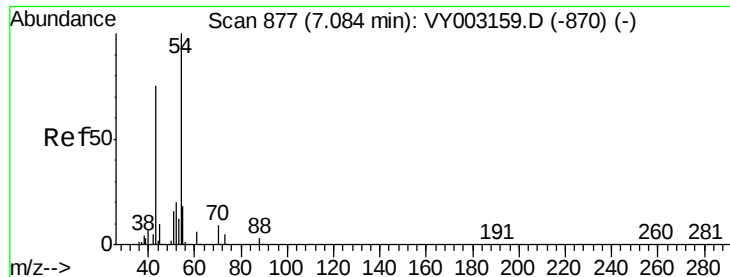


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

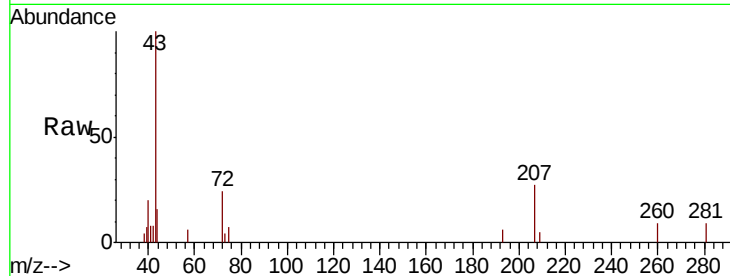




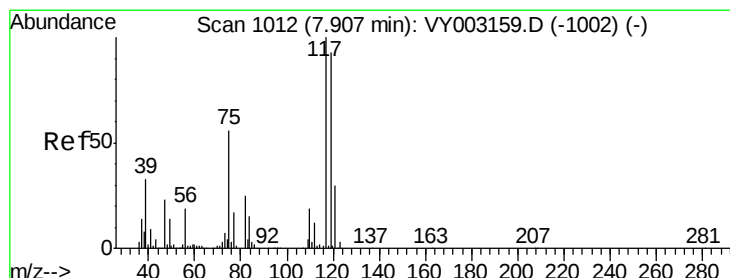
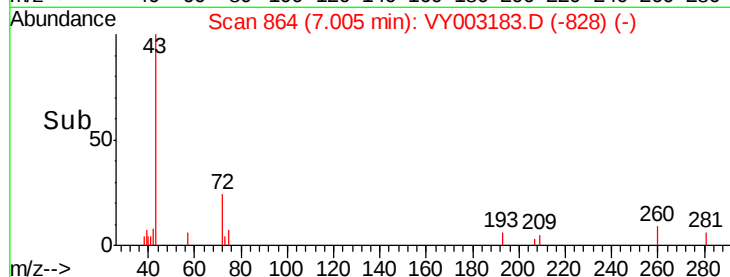
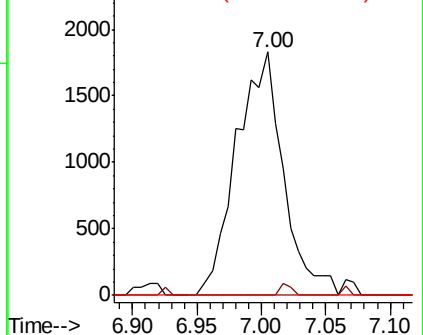
#37
Ethyl Acetate
Concen: 1.395 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.08 min
Lab File: VY003183.D
Acq: 13 Jul 2020 15:19

Instrument :
MSVOA_Y
ClientSampleId :
TP

Tot Ion: 43 Resp: 4626
Ion Ratio Lower Upper
43 100
61 1.2 11.8 17.6#
70 0.0 8.6 13.0#

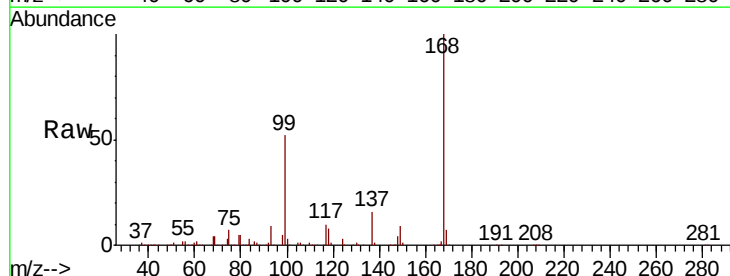


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 70.00 (69.70 to 70.70): VY0

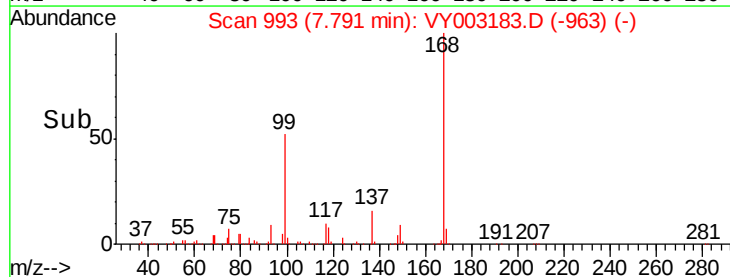
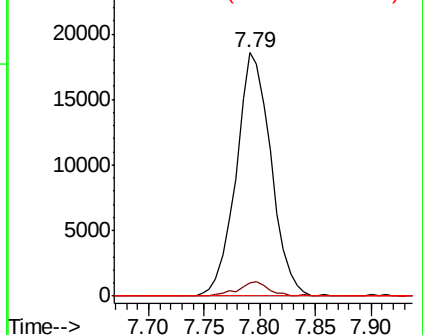


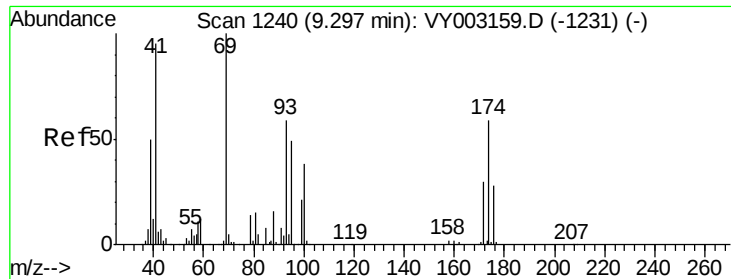
#38
Carbon Tetrachloride
Concen: 6.341 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY003183.D
Acq: 13 Jul 2020 15:19

Tgt Ion: 117 Resp: 40298
Ion Ratio Lower Upper
117 100
119 5.5 74.5 111.7#
121 0.0 24.2 36.2#



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

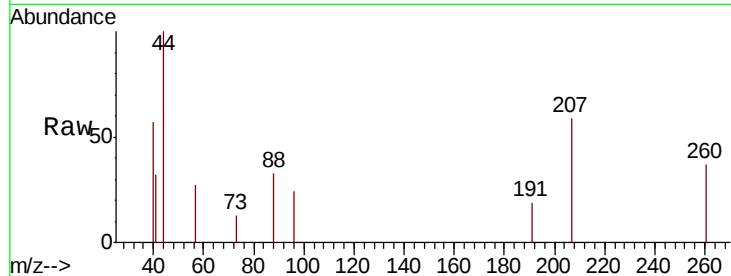




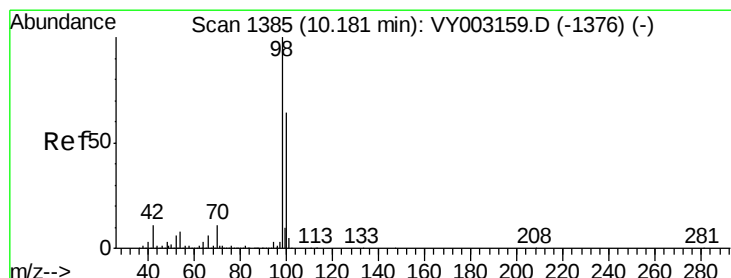
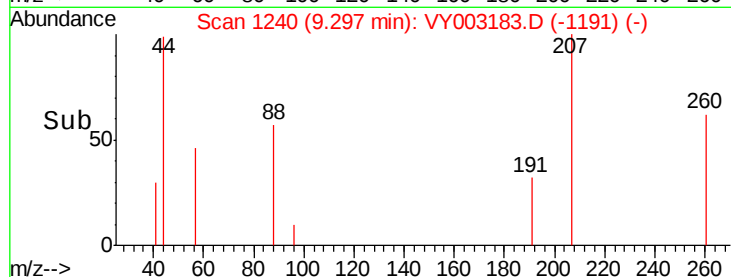
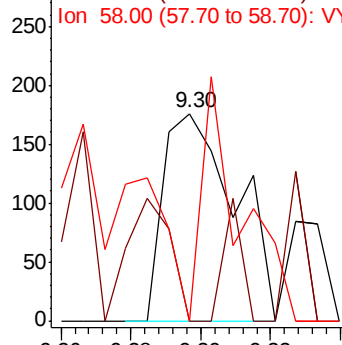
#49
 1,4-Dioxane
 Concen: 7.782 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VY003183.D
 Acq: 13 Jul 2020 15:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP

Tot Ion: 88 Resp: 253
 Ion Ratio Lower Upper
 88 100
 43 15.0 25.6 38.4#
 58 62.5 47.8 71.6

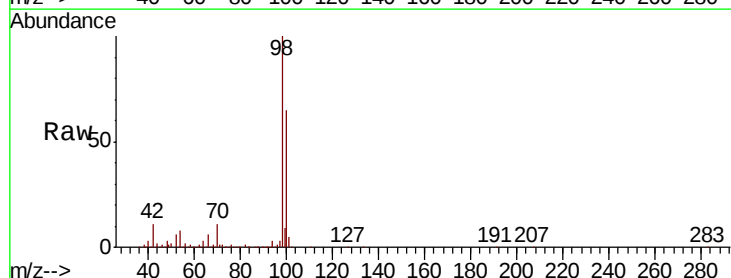


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

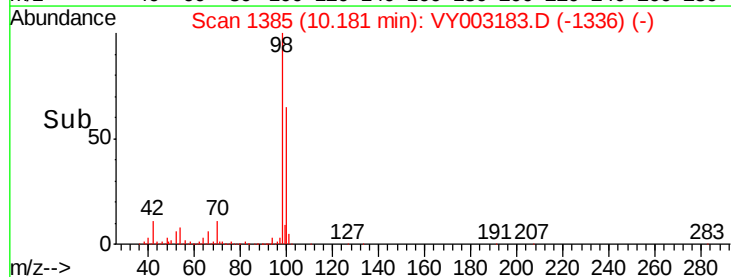
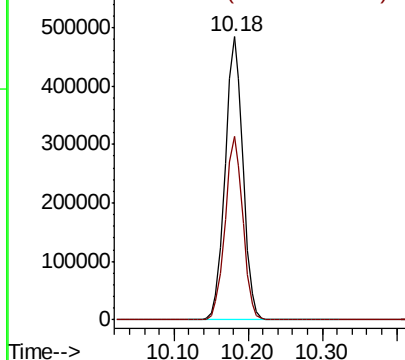


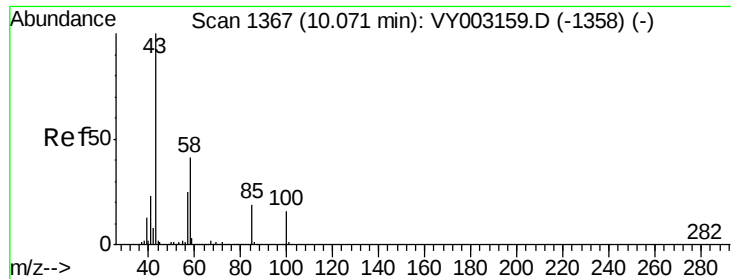
#50
 Toluene-d8
 Concen: 55.419 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY003183.D
 Acq: 13 Jul 2020 15:19

Tgt Ion: 98 Resp: 805346
 Ion Ratio Lower Upper
 98 100
 100 64.6 50.7 76.1



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: 1.025 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.11 min

Lab File: VY003183.D

Acq: 13 Jul 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

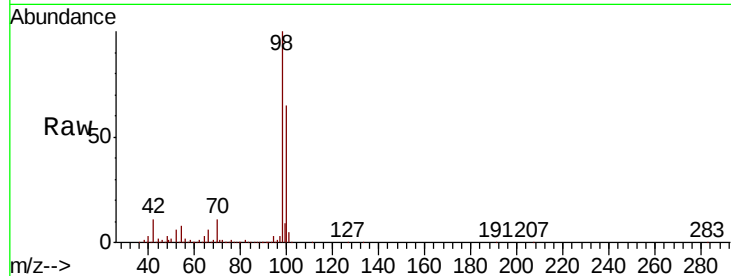
TP

Tot Ion: 43 Resp: 3418

Ion Ratio Lower Upper

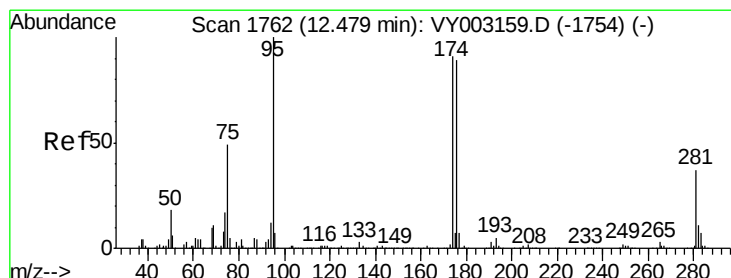
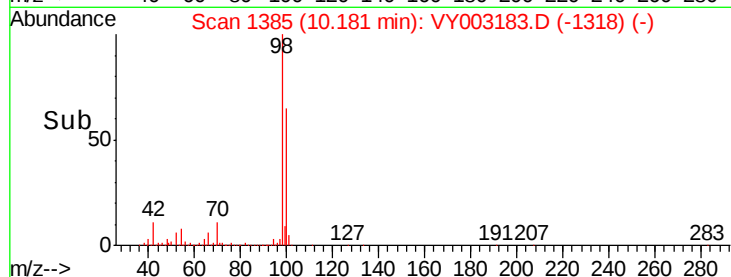
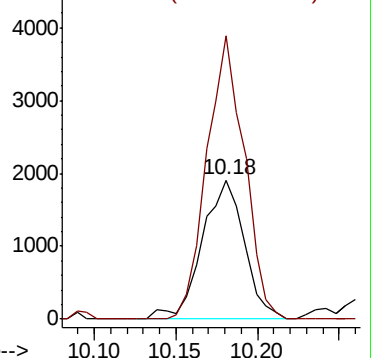
43 100

58 180.8 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#62

4-Bromofluorobenzene

Concen: 51.236 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003183.D

Acq: 13 Jul 2020 15:19

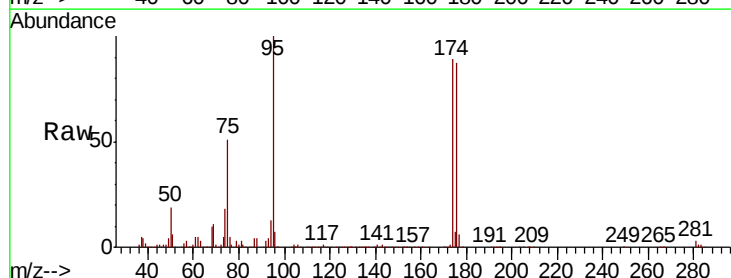
Tgt Ion: 95 Resp: 268982

Ion Ratio Lower Upper

95 100

174 94.8 0.0 190.6

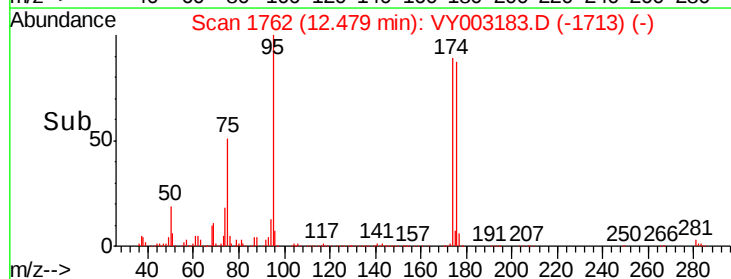
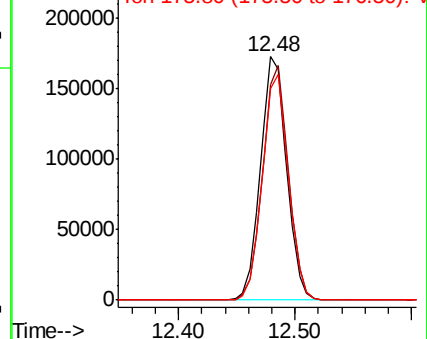
176 92.4 0.0 186.4

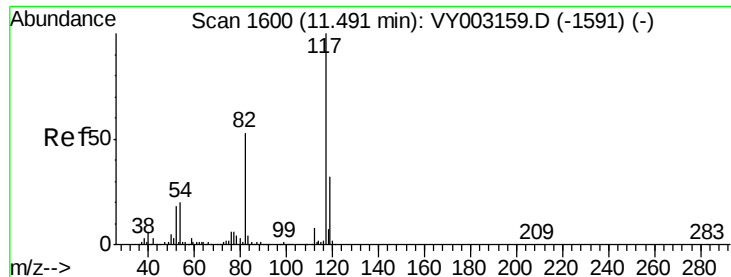


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

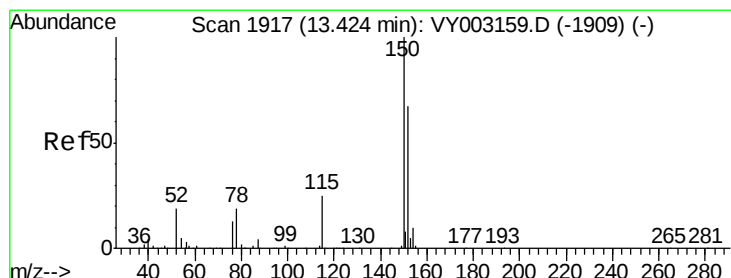
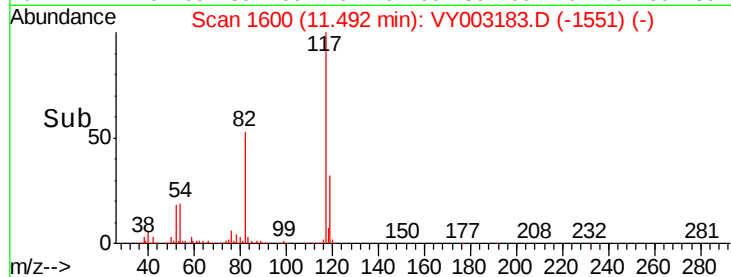
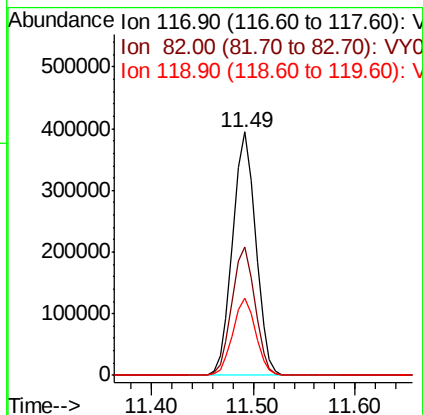
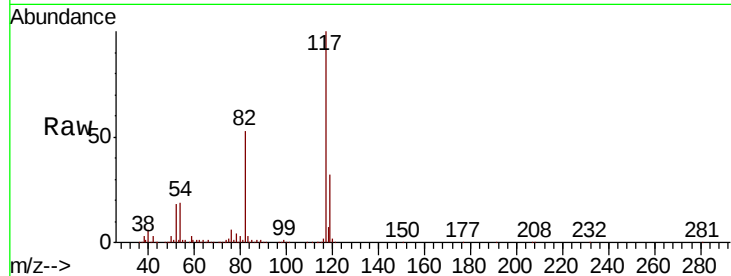




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003183.D
Acq: 13 Jul 2020 15:19

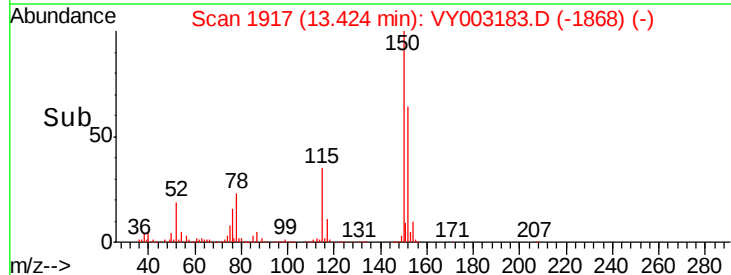
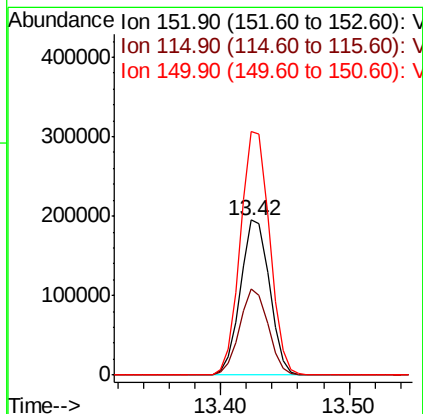
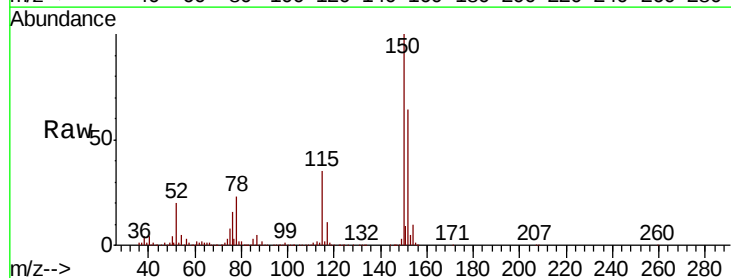
Instrument :
MSVOA_Y
ClientSampleId :
TP

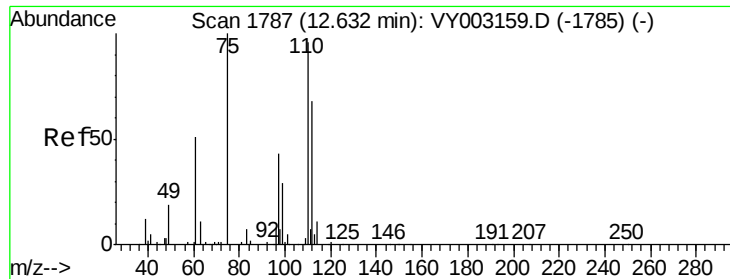
Tot Ion:117 Resp: 616242
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003183.D
Acq: 13 Jul 2020 15:19

Tgt Ion:152 Resp: 304775
Ion Ratio Lower Upper
152 100
115 54.3 26.9 80.7
150 157.1 0.0 338.0





#76

1,2,3-Trichloropropane

Concen: 50.402 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003183.D

Acq: 13 Jul 2020 15:19

Instrument :

MSVOA_Y

ClientSampleId :

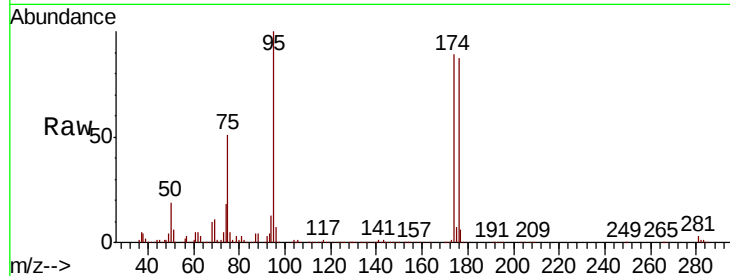
TP

Tot Ion: 75 Resp: 135975

Ion Ratio Lower Upper

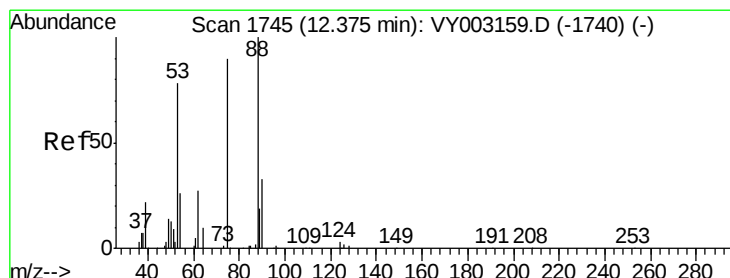
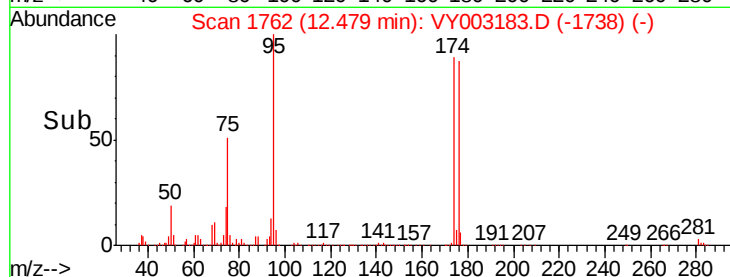
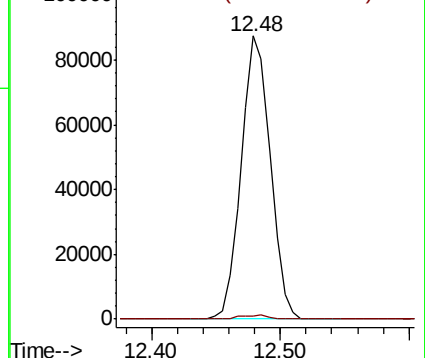
75 100

77 1.5 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: 98.093 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003183.D

Acq: 13 Jul 2020 15:19

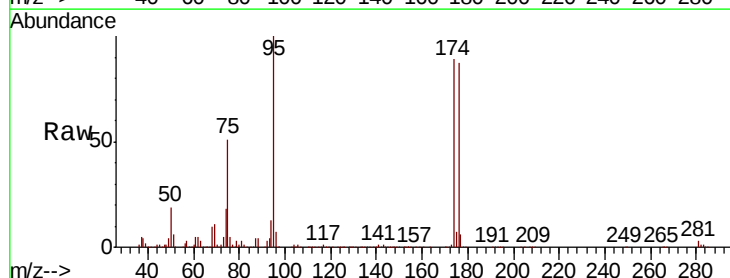
Tgt Ion: 75 Resp: 135975

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.0 37.3 55.9#



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

