

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072020\
 Data File : VY003238.D
 Acq On : 20 Jul 2020 17:44
 Operator : SY/MD
 Sample : L3308-12
 Misc : 5.07G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 12RE

Quant Time: Jul 21 03:19:34 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	323281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	492084	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	413193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	165616	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	184379	67.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.14%	
35) Dibromofluoromethane	7.72	113	162193	57.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.56%	
50) Toluene-d8	10.18	98	574558	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.48	95	168235	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	

Target Compounds

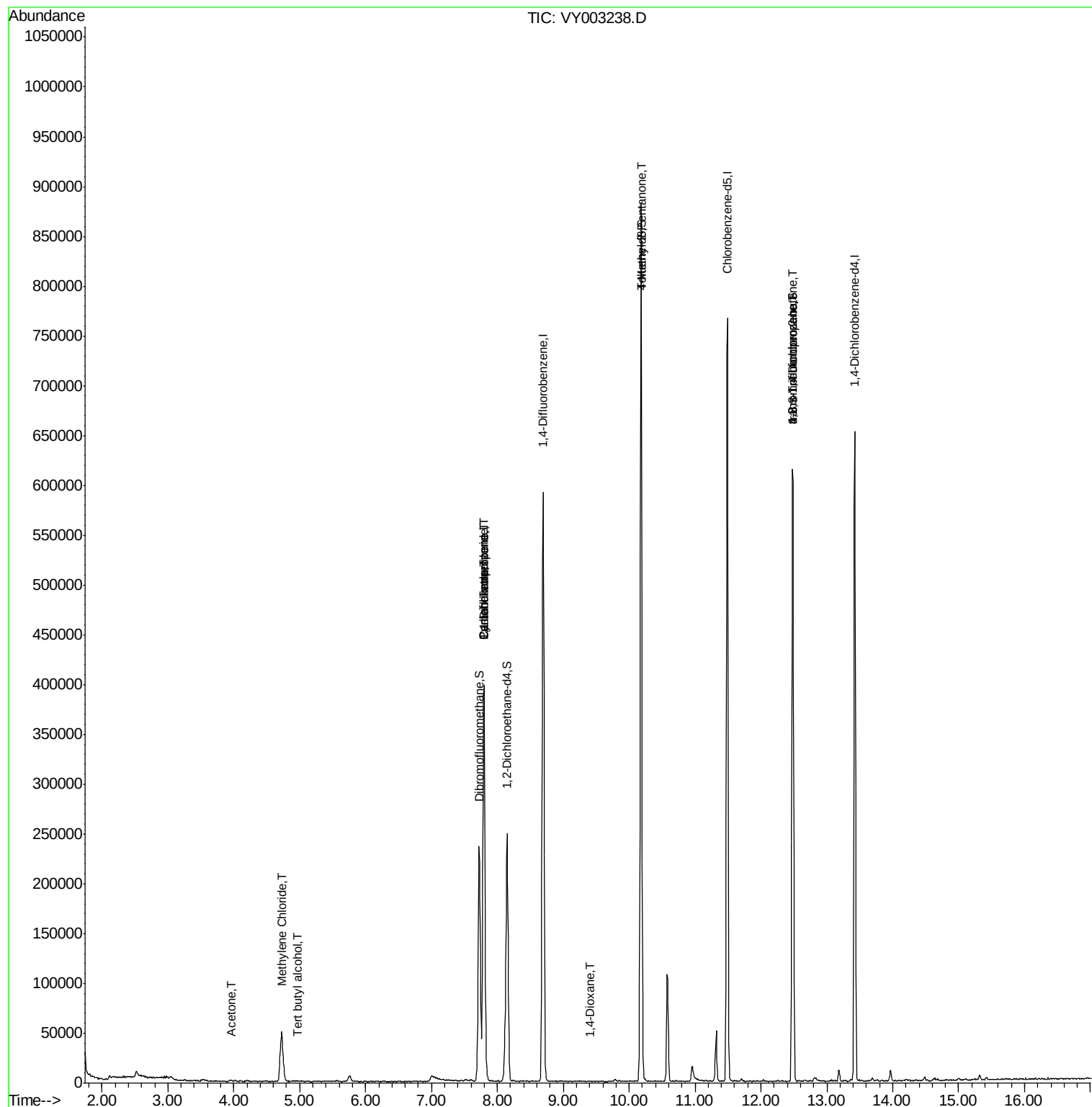
					Qvalue	
11) Tert butyl alcohol	4.96	59	1173	3.976	ug/l #	78
16) Acetone	3.96	43	2196	3.603	ug/l	97
20) Methylene Chloride	4.72	84	36475	7.189	ug/l	92
31) Cyclohexane	7.79	56	6245	1.258	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	23622	5.297	ug/l #	49
38) Carbon Tetrachloride	7.79	117	30331	6.588	ug/l #	18
49) 1,4-Dioxane	9.41	88	49	2.080	ug/l #	42
51) 4-Methyl-2-Pentanone	10.18	43	2621	1.085	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	87789	59.884	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	87789	116.546	ug/l #	13

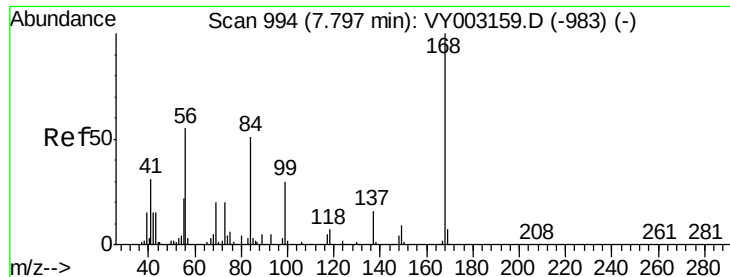
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY003238.D

Acq: 20 Jul 2020 17:44

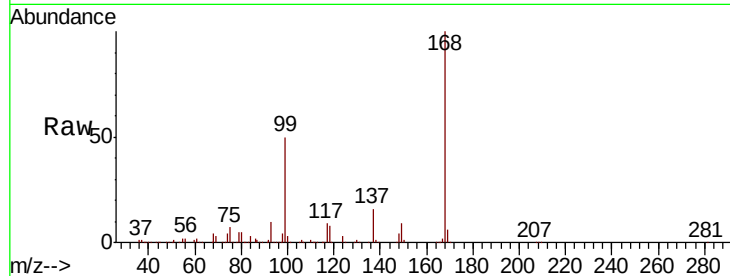
Instrument :
MSVOA_Y
ClientSampleId :
12RE

Tot Ion:168 Resp: 323281

Ion Ratio Lower Upper

168 100

99 49.8 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003159.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY003159.D (-983) (-)

7.80

150000

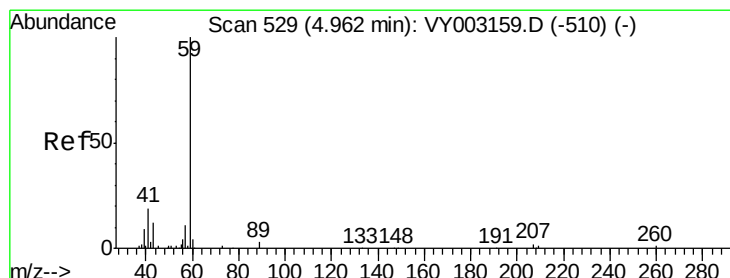
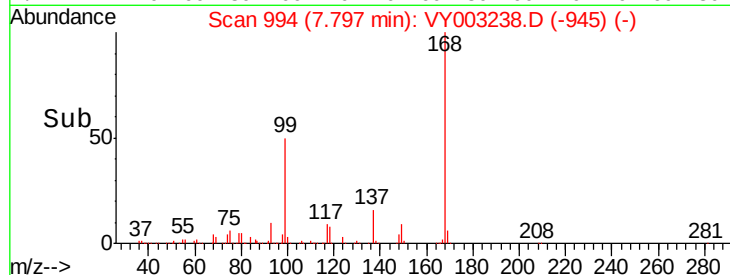
100000

50000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 3.976 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.00 min

Lab File: VY003238.D

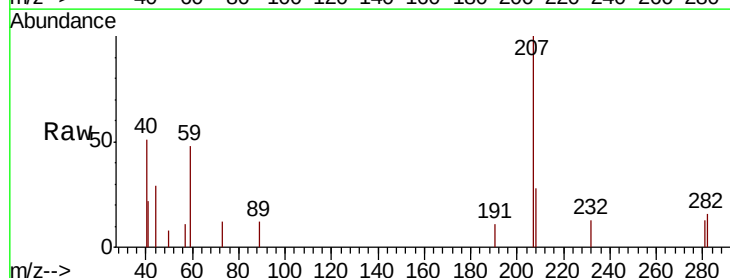
Acq: 20 Jul 2020 17:44

Tgt Ion: 59 Resp: 1173

Ion Ratio Lower Upper

59 100

57 2.2 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003159.D (-510) (-)

Ion 57.00 (56.70 to 57.70): VY003159.D (-510) (-)

4.96

300

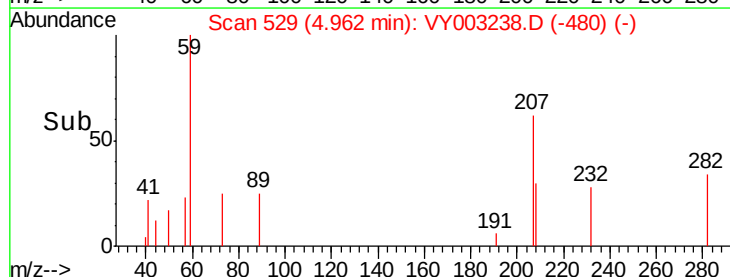
200

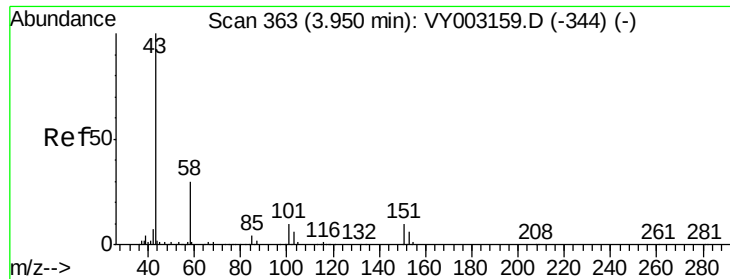
100

0

4.85 4.90 4.95 5.00

Time-->





#16

Acetone

Concen: 3.603 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY003238.D

Acq: 20 Jul 2020 17:44

Instrument :

MSVOA_Y

ClientSampleId :

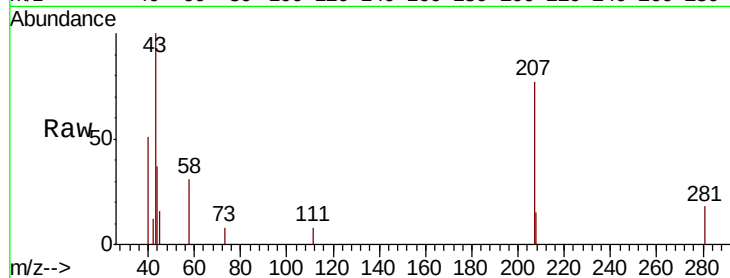
12RE

Tot Ion: 43 Resp: 2196

Ion Ratio Lower Upper

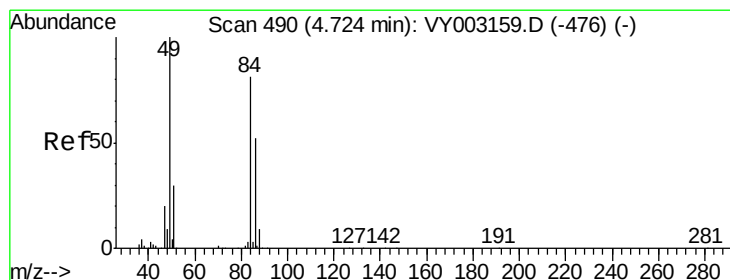
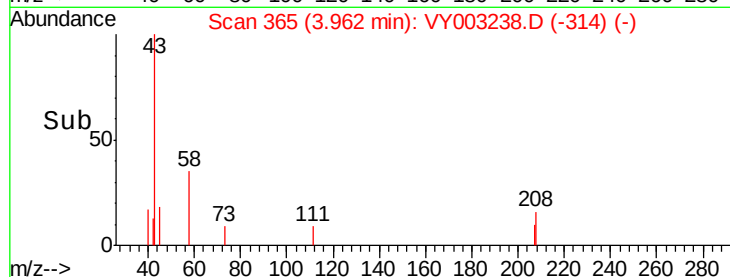
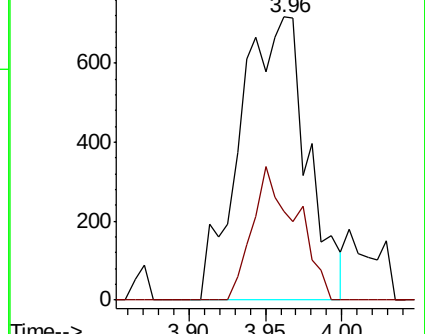
43 100

58 31.4 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 7.189 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003238.D

Acq: 20 Jul 2020 17:44

Tgt Ion: 84 Resp: 36475

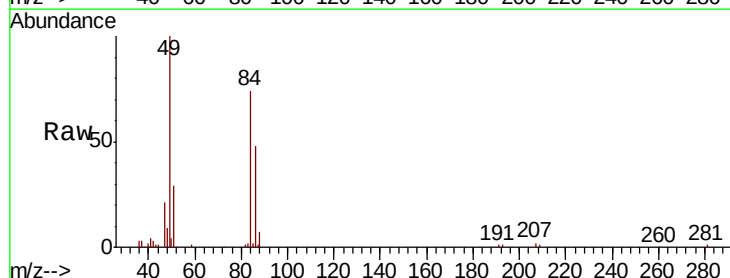
Ion Ratio Lower Upper

84 100

49 135.9 98.2 147.4

51 39.8 29.8 44.6

86 65.3 51.2 76.8

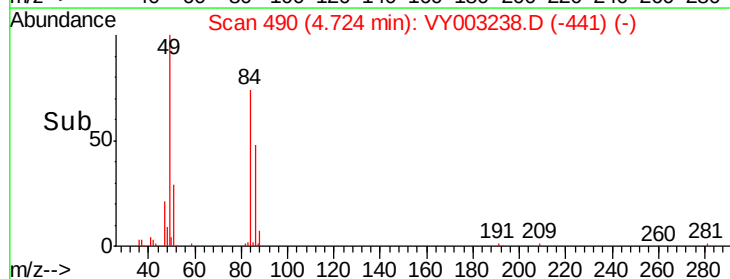
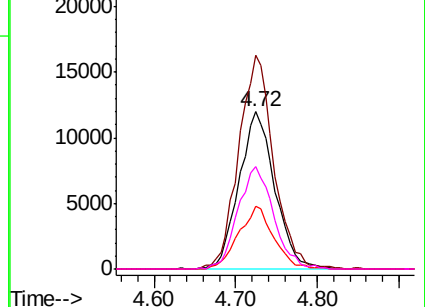


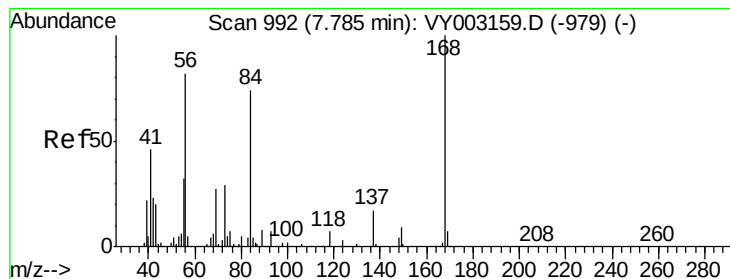
Abundance Ion 83.90 (83.60 to 84.60): VY0

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





#31

Cyclohexane

Concen: 1.258 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003238.D

Acq: 20 Jul 2020 17:44

Instrument :

MSVOA_Y

ClientSampleId :

12RE

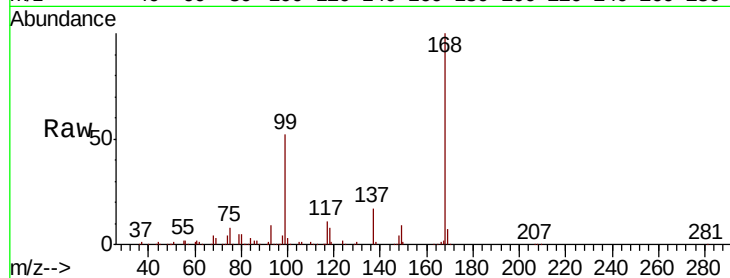
Tot Ion: 56 Resp: 6245

Ion Ratio Lower Upper

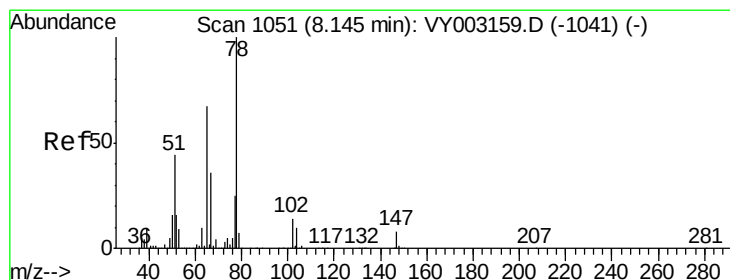
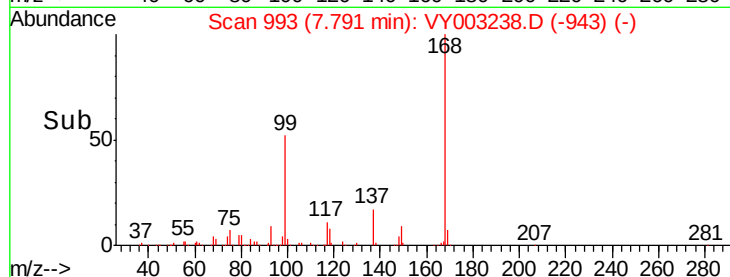
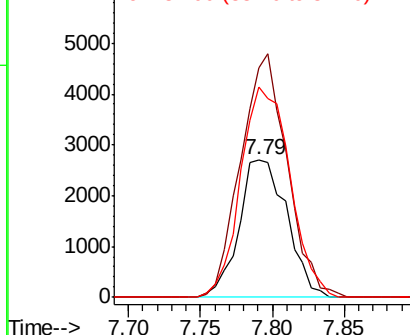
56 100

69 166.8 26.7 40.1#

84 153.2 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: 67.573 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VY003238.D

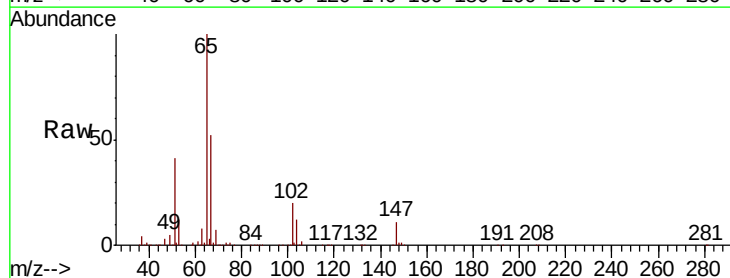
Acq: 20 Jul 2020 17:44

Tgt Ion: 65 Resp: 184379

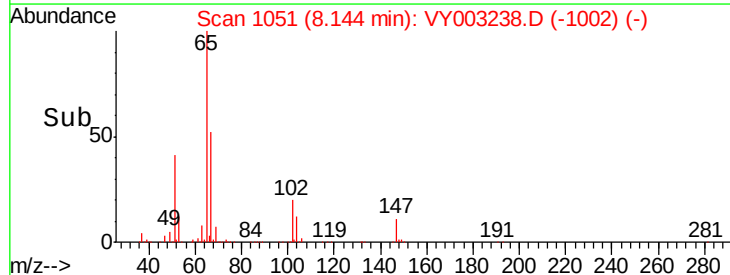
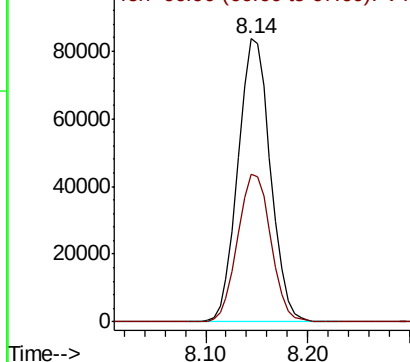
Ion Ratio Lower Upper

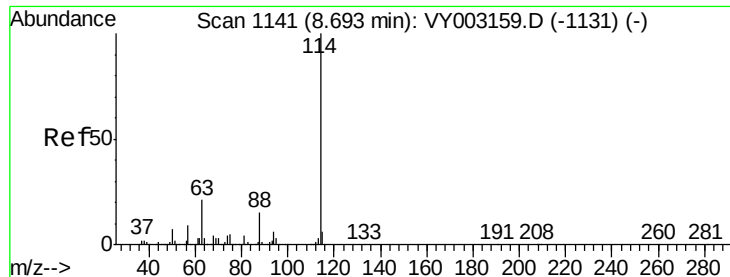
65 100

67 53.7 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VY0
Ion 66.90 (66.60 to 67.60): VY0

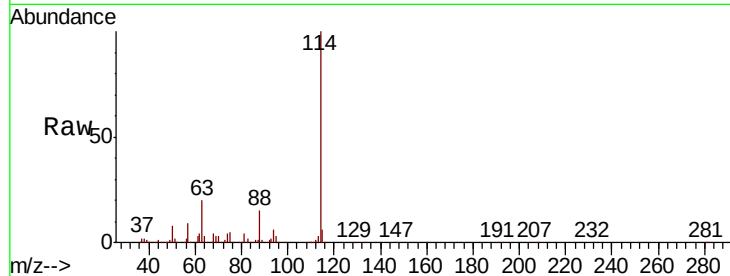




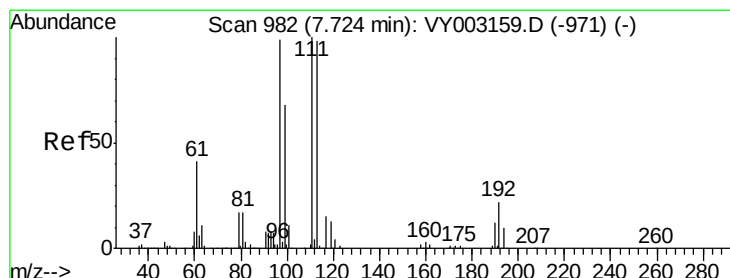
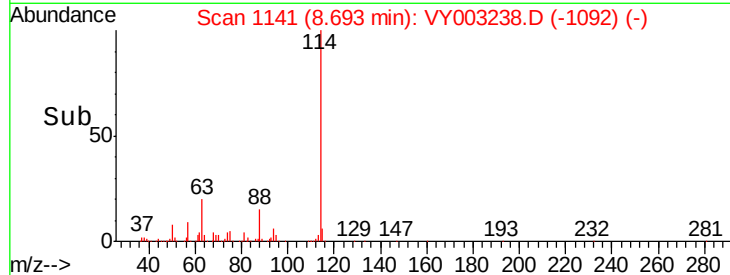
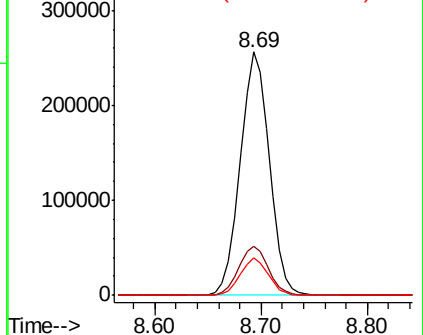
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003238.D
 Acq: 20 Jul 2020 17:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 12RE

Tot Ion:114 Resp: 492084
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.2
 88 15.2 0.0 30.2

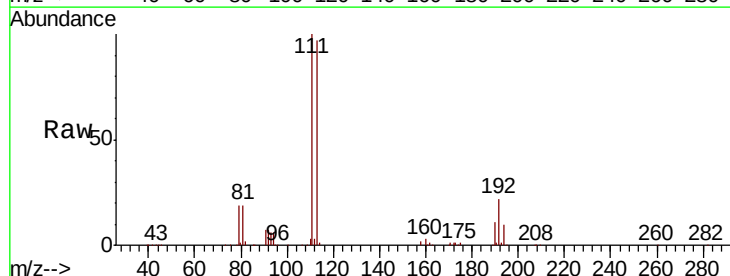


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

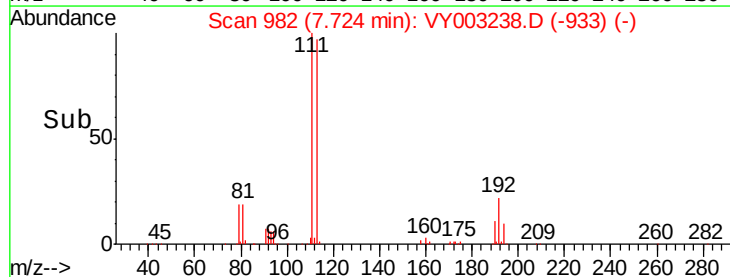
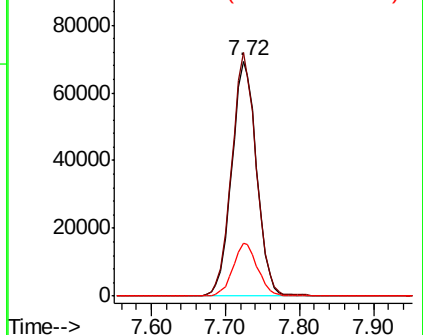


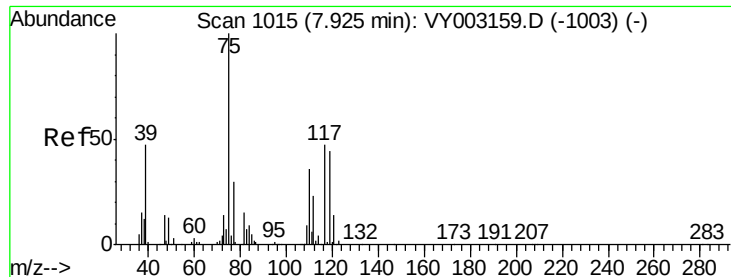
#35
 Dibromofluoromethane
 Concen: 57.275 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003238.D
 Acq: 20 Jul 2020 17:44

Tgt Ion:113 Resp: 162193
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.1 123.1
 192 22.2 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

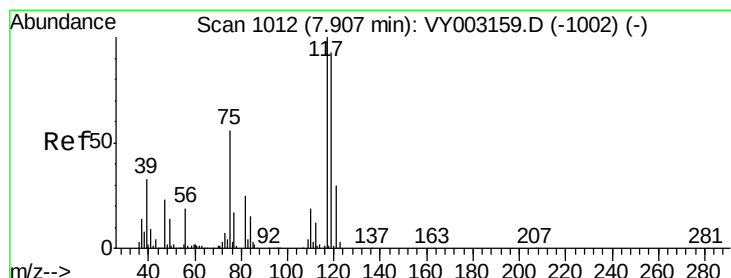
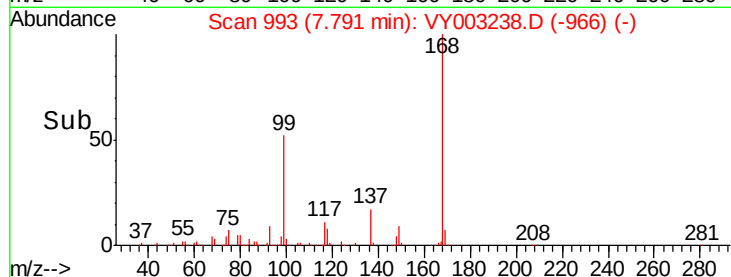
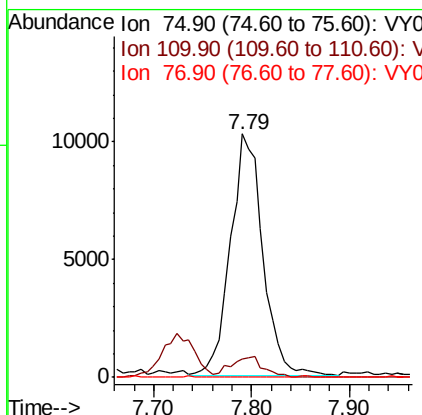
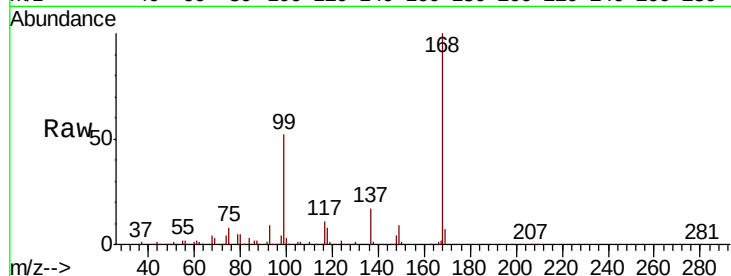




#36
 1,1-Dichloropropene
 Concen: 5.297 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003238.D
 Acq: 20 Jul 2020 17:44

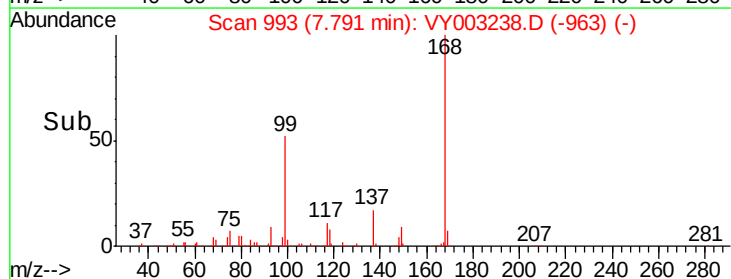
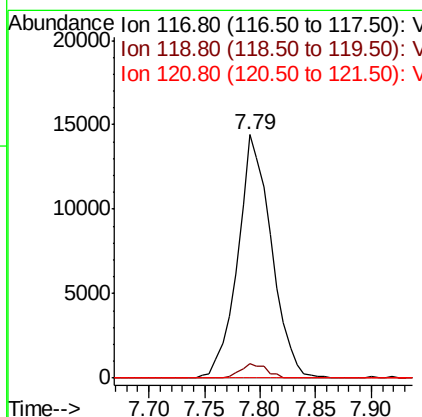
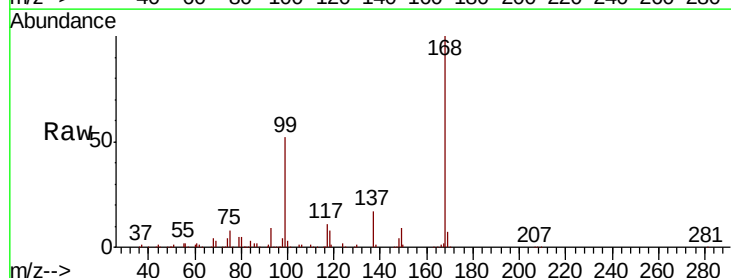
Instrument :
 MSVOA_Y
 ClientSampled :
 12RE

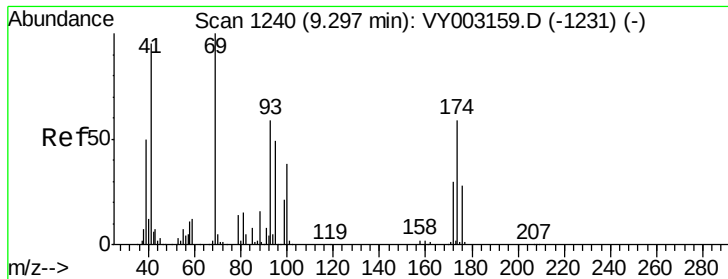
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.1	54.1#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.588 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003238.D
 Acq: 20 Jul 2020 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	74.5	111.7#
121	0.0	24.2	36.2#

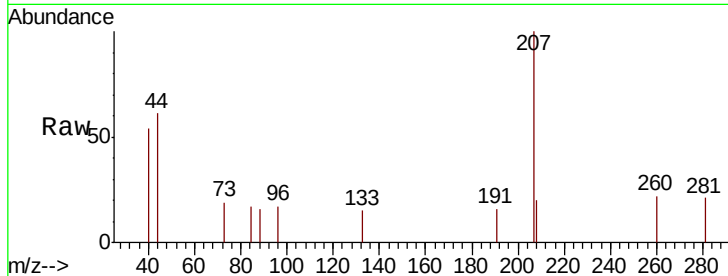




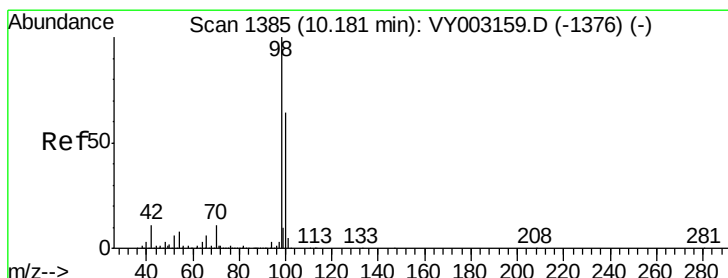
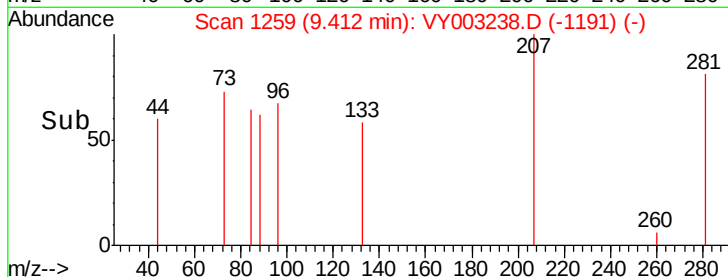
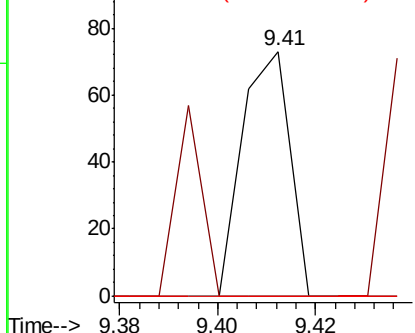
#49
1,4-Dioxane
Concen: 2.080 ug/l
RT: 9.41 min Scan# 1259
Delta R.T. 0.12 min
Lab File: VY003238.D
Acq: 20 Jul 2020 17:44

Instrument :
MSVOA_Y
ClientSampleId :
12RE

Tot Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 42.9 25.6 38.4#
58 0.0 47.8 71.6#

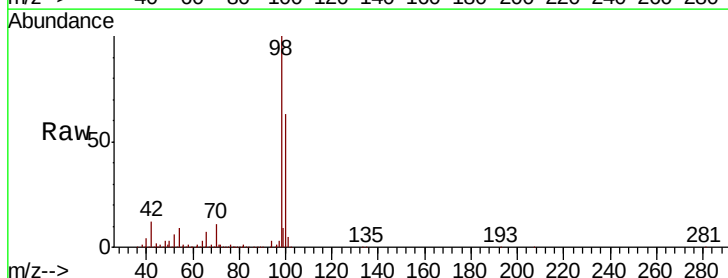


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

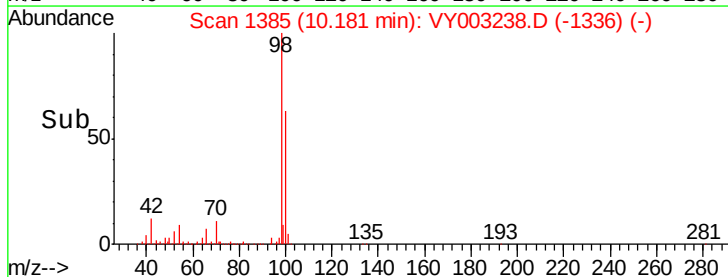
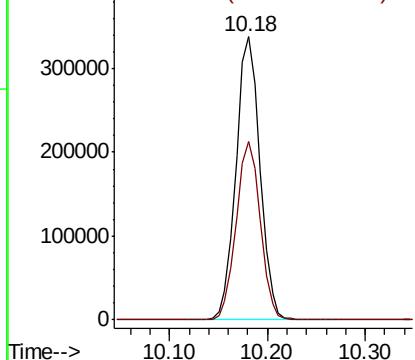


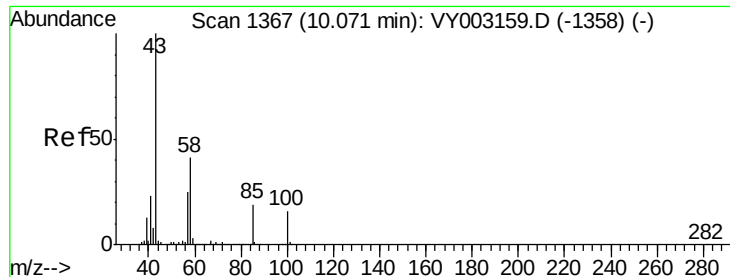
#50
Toluene-d8
Concen: 54.573 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003238.D
Acq: 20 Jul 2020 17:44

Tgt Ion: 98 Resp: 574558
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



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

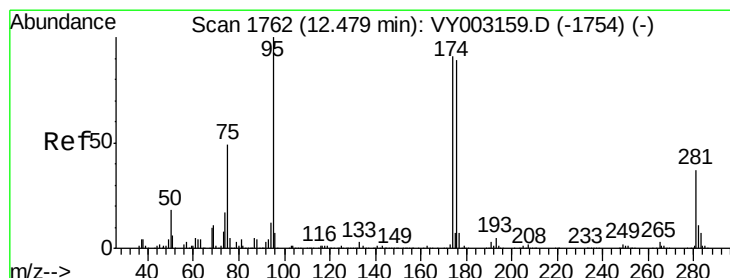
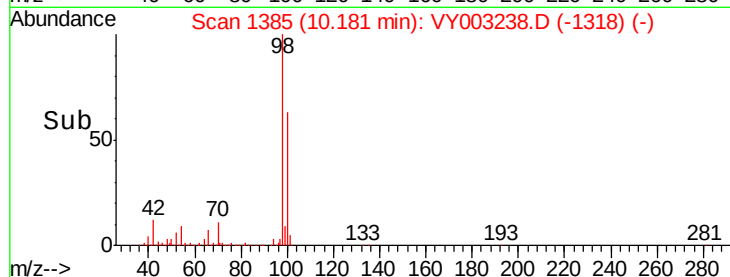
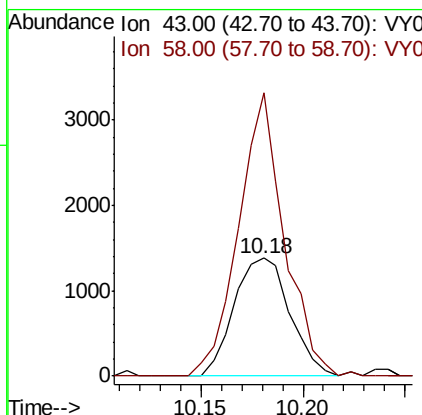
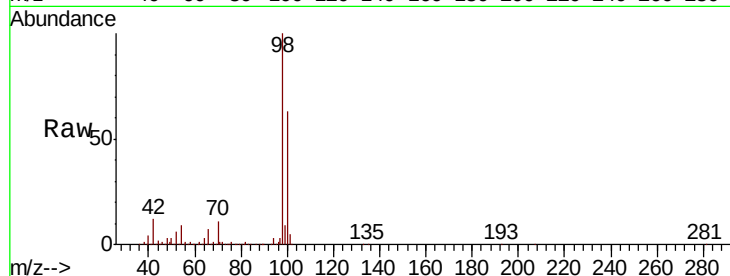




#51
4-Methyl-2-Pentanone
Concen: 1.085 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.11 min
Lab File: VY003238.D
Acq: 20 Jul 2020 17:44

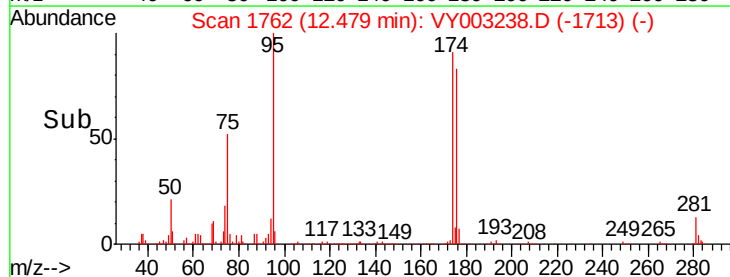
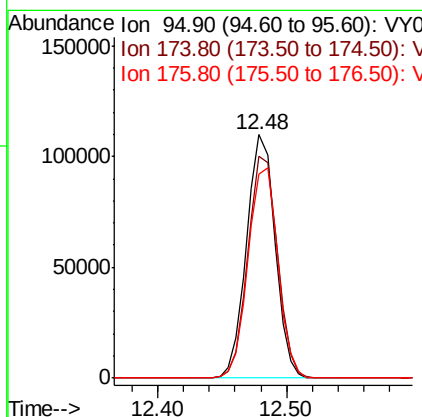
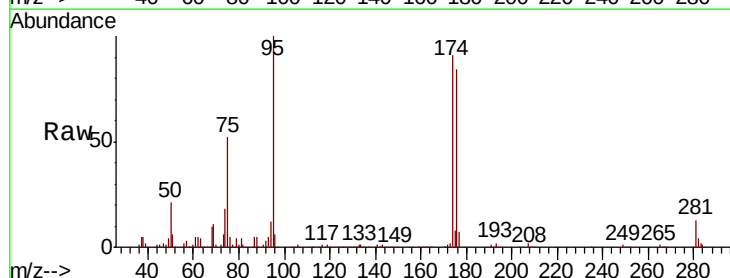
Instrument :
MSVOA_Y
ClientSampleId :
12RE

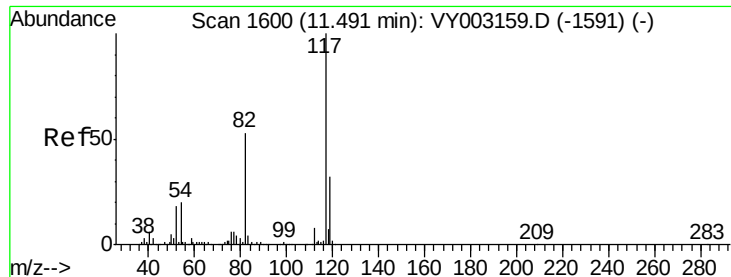
Tot Ion: 43 Resp: 2621
Ion Ratio Lower Upper
43 100
58 197.1 32.7 49.1#



#62
4-Bromofluorobenzene
Concen: 44.232 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003238.D
Acq: 20 Jul 2020 17:44

Tgt Ion: 95 Resp: 168235
Ion Ratio Lower Upper
95 100
174 94.1 0.0 190.6
176 89.9 0.0 186.4

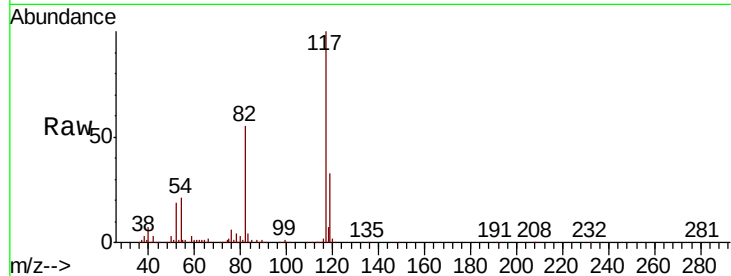




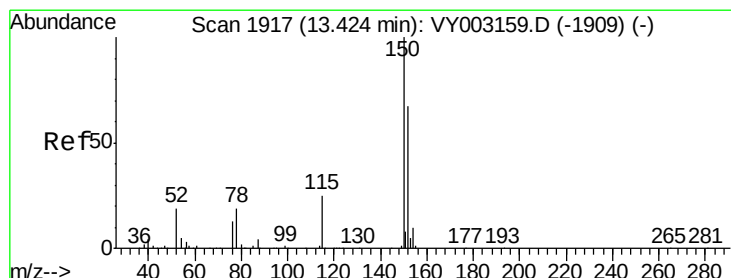
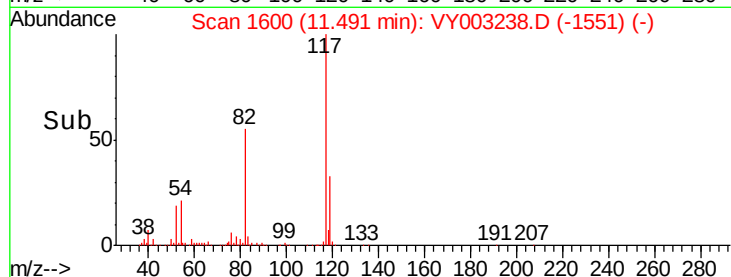
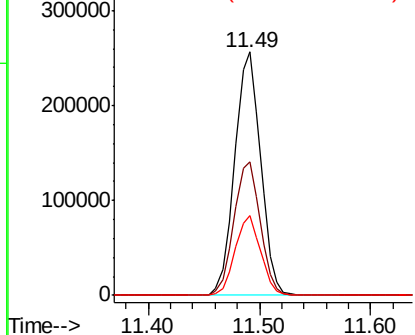
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003238.D
Acq: 20 Jul 2020 17:44

Instrument :
MSVOA_Y
ClientSampleId :
12RE

Tot Ion:117 Resp: 413193
Ion Ratio Lower Upper
117 100
82 54.6 42.0 63.0
119 32.5 25.5 38.3

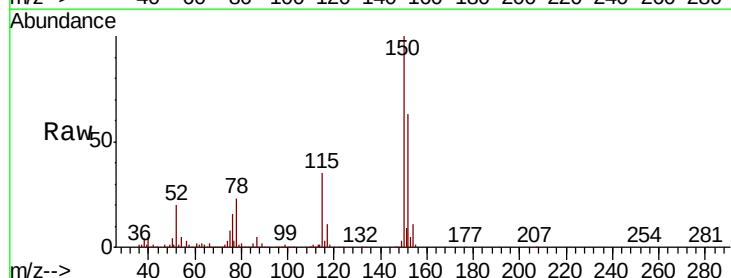


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

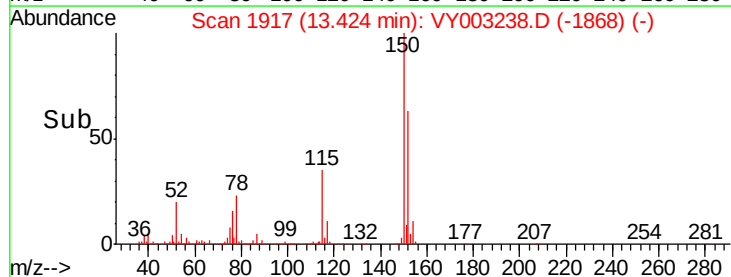
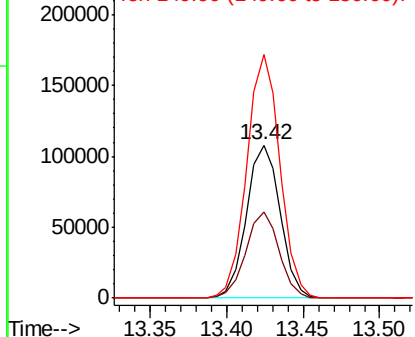


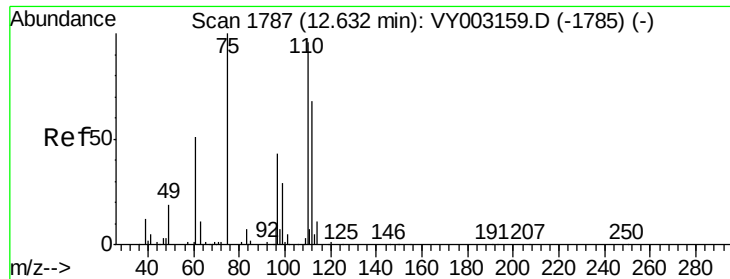
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003238.D
Acq: 20 Jul 2020 17:44

Tgt Ion:152 Resp: 165616
Ion Ratio Lower Upper
152 100
115 55.3 26.9 80.7
150 156.0 0.0 338.0



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: 59.884 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003238.D

Acq: 20 Jul 2020 17:44

Instrument :

MSVOA_Y

ClientSampleId :

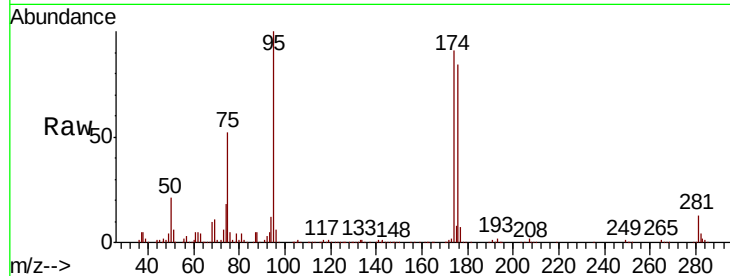
12RE

Tot Ion: 75 Resp: 87789

Ion Ratio Lower Upper

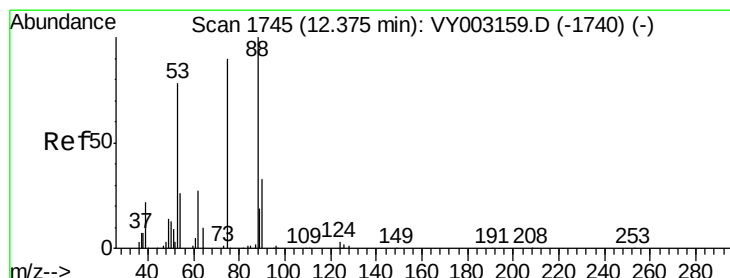
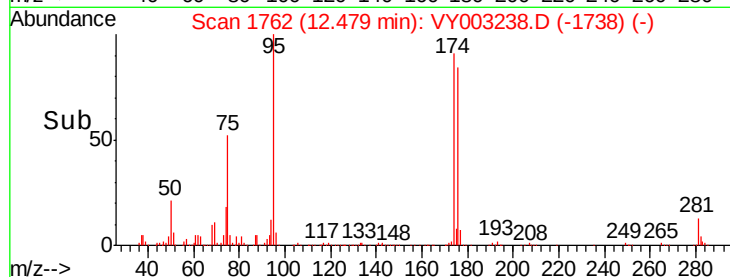
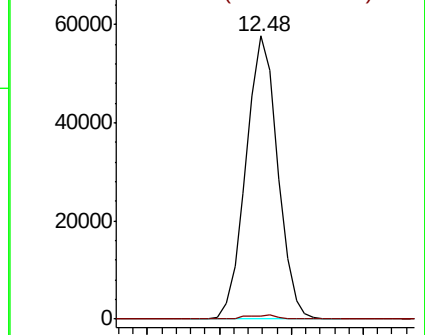
75 100

77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



#81

trans-1,4-Dichloro-2-butene

Concen: 116.546 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003238.D

Acq: 20 Jul 2020 17:44

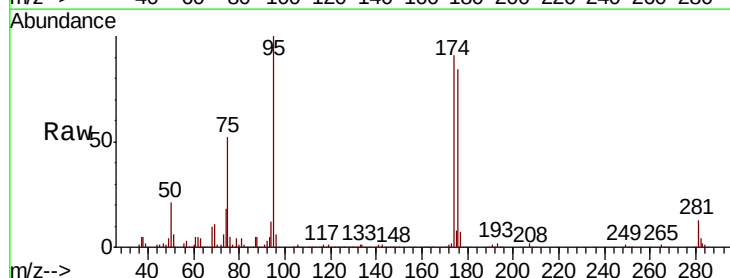
Tgt Ion: 75 Resp: 87789

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

89 0.5 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

