

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY061520\
 Data File : VY002898.D
 Acq On : 15 Jun 2020 13:08
 Operator : SY/MD
 Sample : L3017-01
 Misc : 6.24G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SG1

Quant Time: Jun 16 01:59:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	239492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	384063	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	353796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	176928	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	117930	56.71	ug/l	0.00
Spiked Amount			Recovery	=	113.42%	
35) Dibromofluoromethane	7.72	113	117736	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
50) Toluene-d8	10.18	98	445171	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.48	95	147129	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

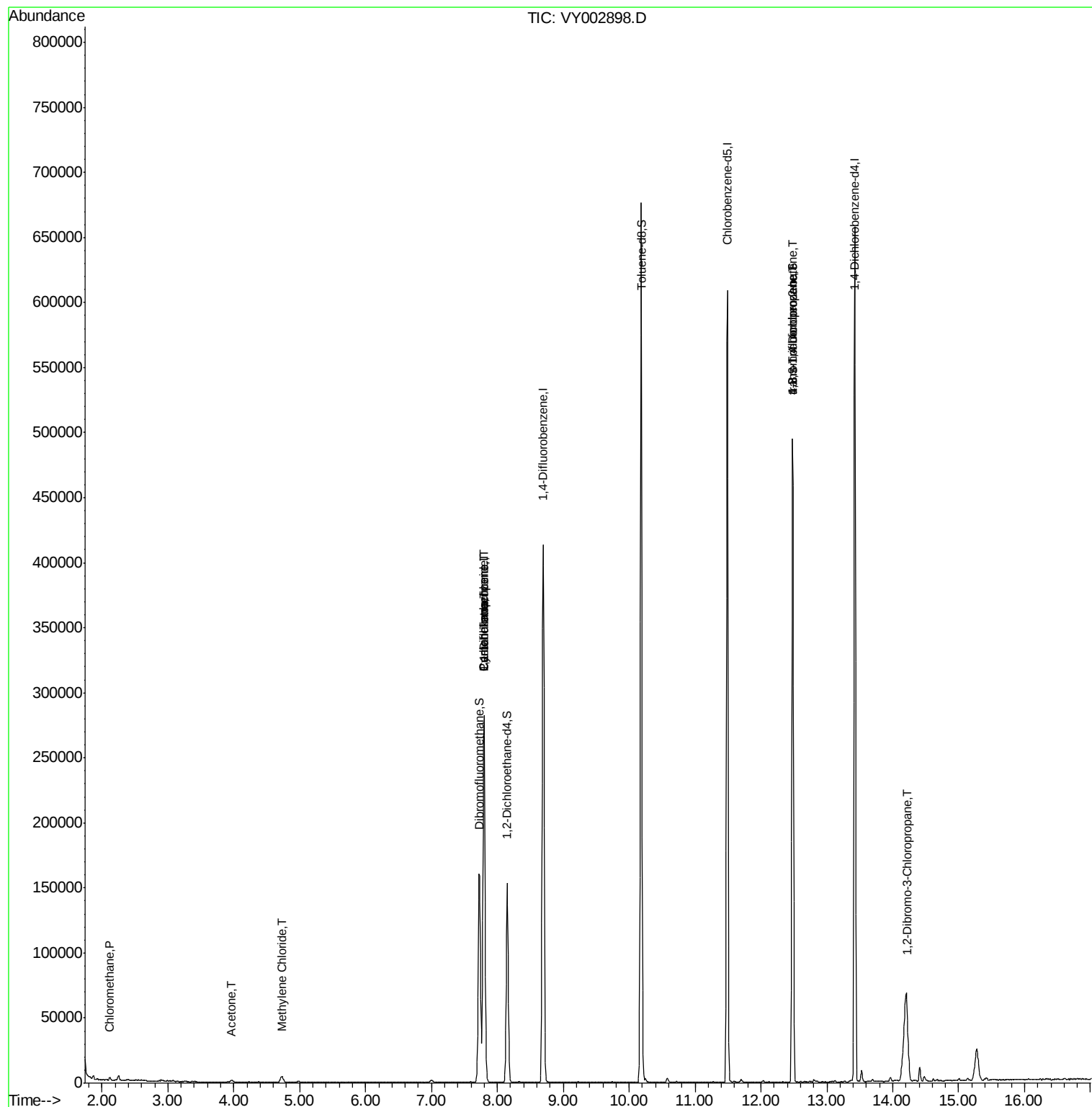
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	2106	1.155	ug/l #	87
11) Tert butyl alcohol	4.97	59	1182	Below Cal	#	74
16) Acetone	3.97	43	2886	5.919	ug/l #	84
18) Methyl Acetate	4.49	43	624	Below Cal	#	48
20) Methylene Chloride	4.72	84	3744	1.571	ug/l	95
31) Cyclohexane	7.80	56	3596	1.020	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	15150	4.683	ug/l #	48
38) Carbon Tetrachloride	7.79	117	21208	5.901	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	71118	44.609	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	71118	84.044	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.22	75	385	1.006	ug/l #	1

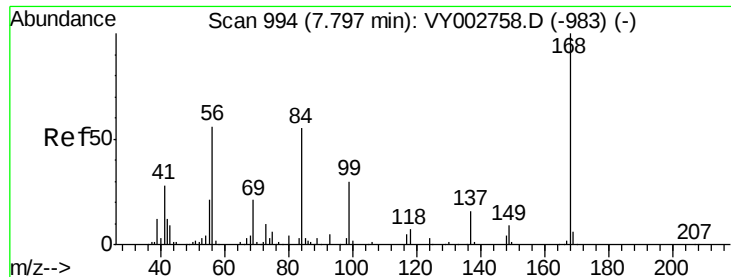
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002898.D

Acq: 15 Jun 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

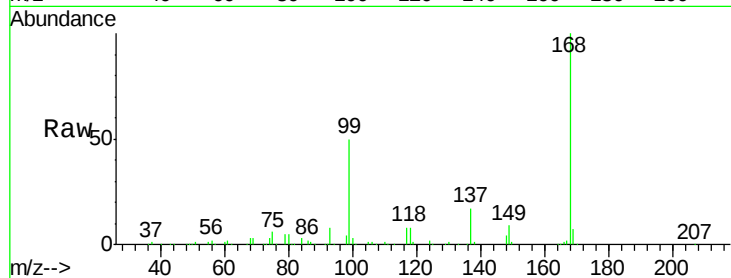
SG1

Tot Ion:168 Resp: 239492

Ion Ratio Lower Upper

168 100

99 50.5 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)

7.80

120000

100000

80000

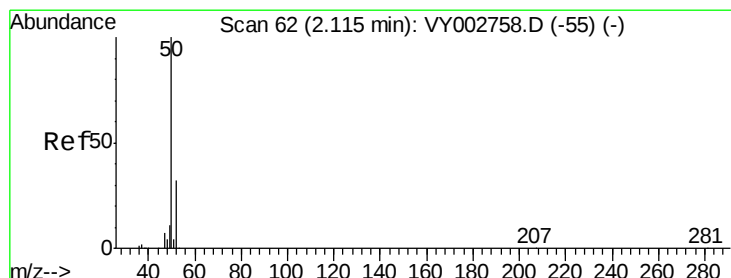
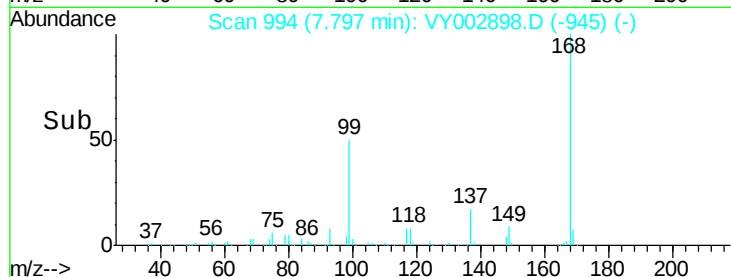
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 1.155 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002898.D

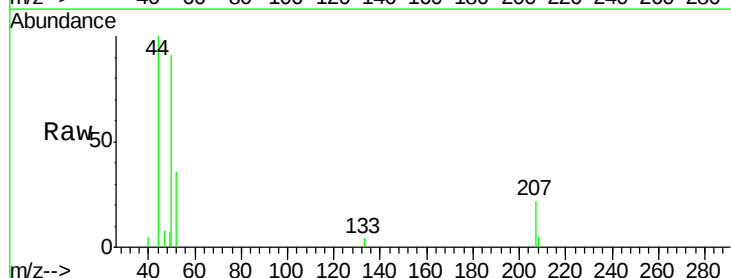
Acq: 15 Jun 2020 13:08

Tgt Ion: 50 Resp: 2106

Ion Ratio Lower Upper

50 100

52 39.4 25.8 38.6#



Abundance Ion 49.90 (49.60 to 50.60): VY002758.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY002758.D (-55) (-)

2.12

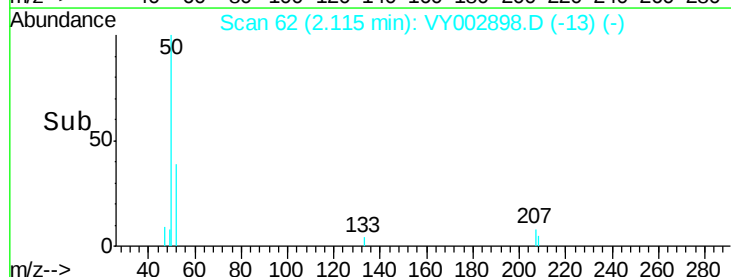
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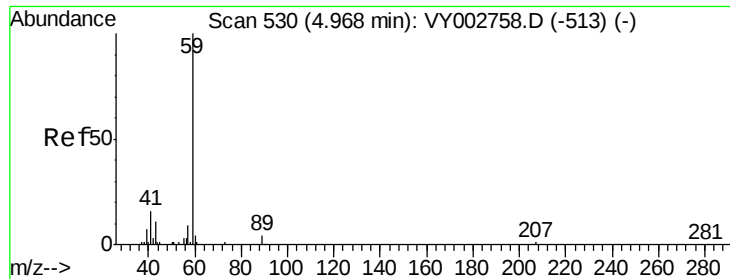
1000

500

0

Time-->

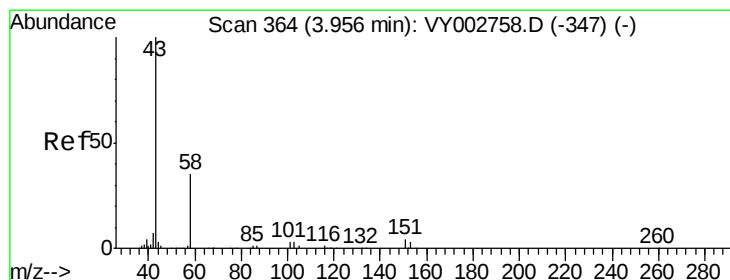
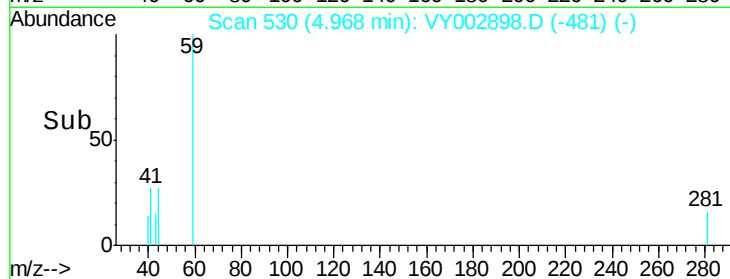
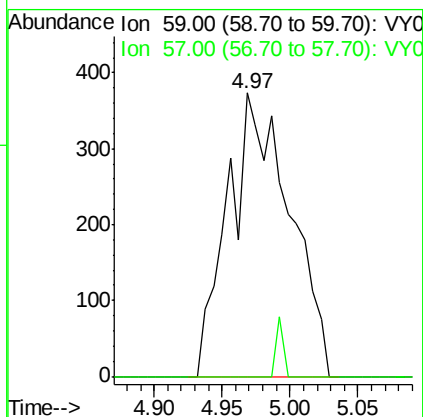
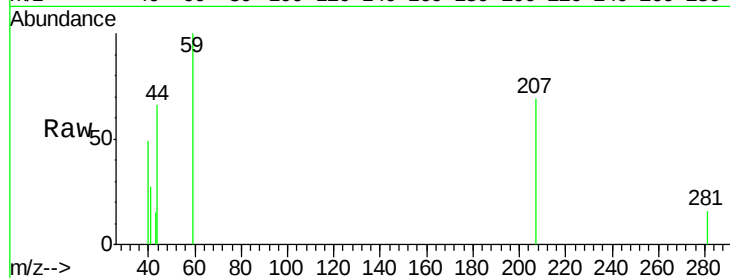




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.97 min Scan# 530
Delta R.T. 0.00 min
Lab File: VY002898.D
Acq: 15 Jun 2020 13:08

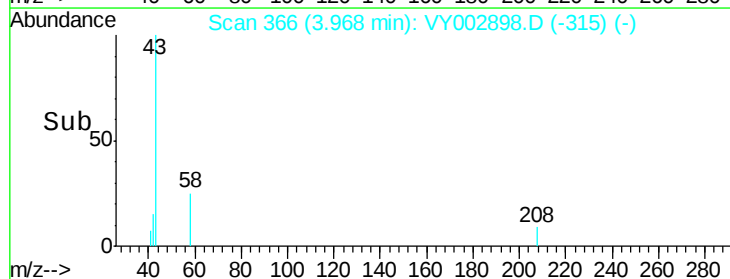
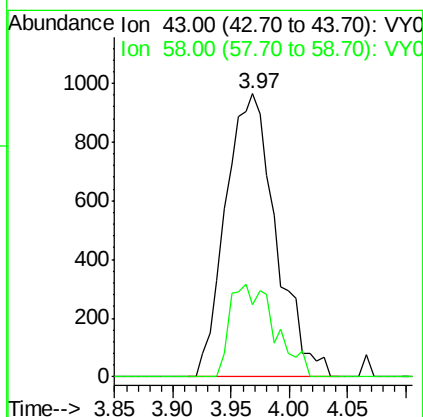
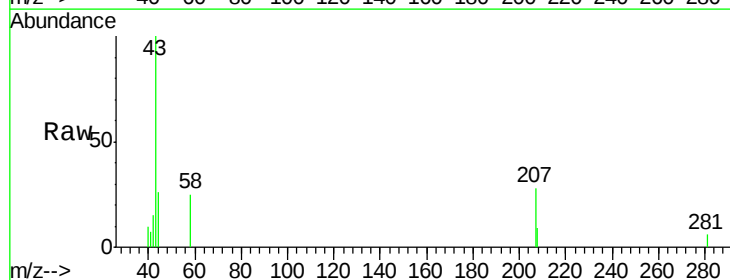
Instrument :
MSVOA_Y
ClientSampleId :
SG1

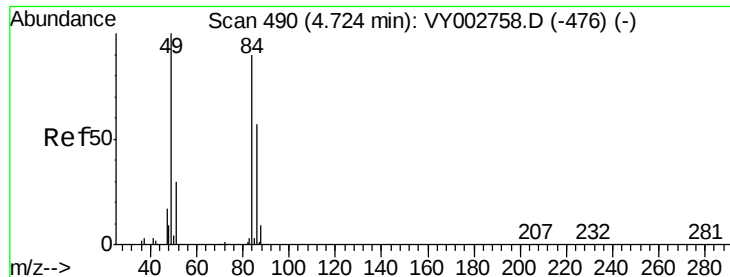
Tot Ion: 59 Resp: 1182
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 5.919 ug/l
RT: 3.97 min Scan# 366
Delta R.T. 0.01 min
Lab File: VY002898.D
Acq: 15 Jun 2020 13:08

Tgt Ion: 43 Resp: 2886
Ion Ratio Lower Upper
43 100
58 25.3 27.7 41.5#

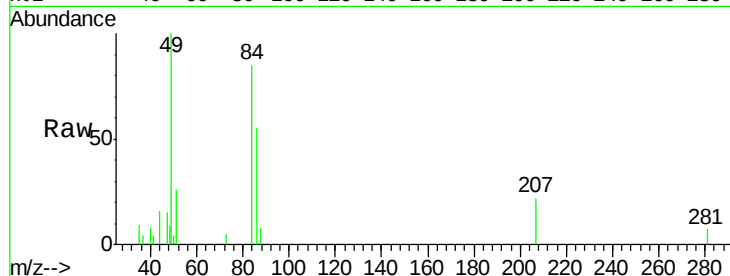




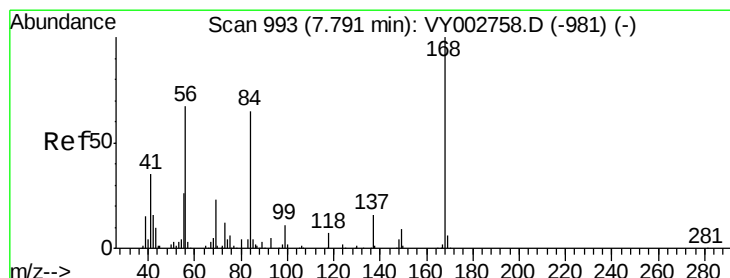
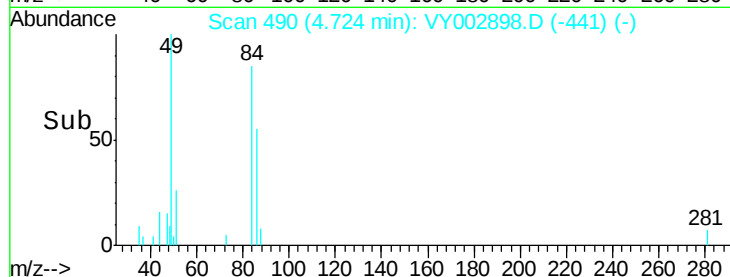
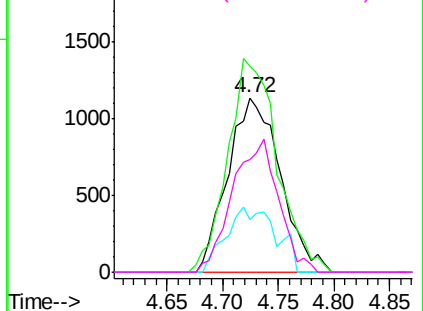
#20
Methylene Chloride
Concen: 1.571 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002898.D
Acq: 15 Jun 2020 13:08

Instrument :
MSVOA_Y
ClientSampleId :
SG1

Tot Ion:	84	Resp:	3744
Ion	Ratio	Lower	Upper
84	100		
49	118.1	88.5	132.7
51	30.1	26.8	40.2
86	65.0	50.6	75.8

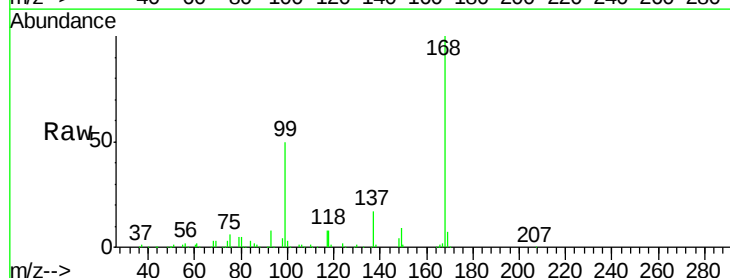


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

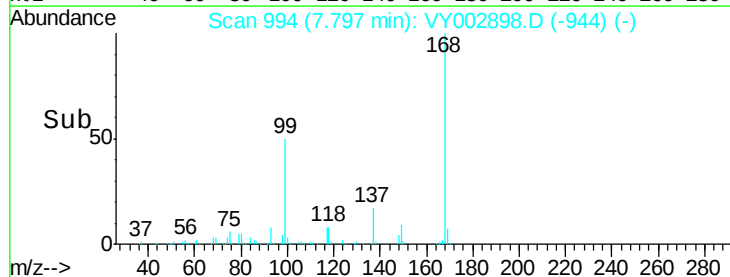
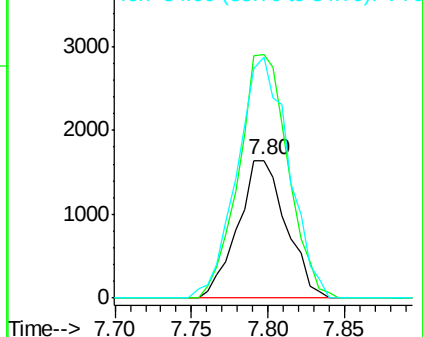


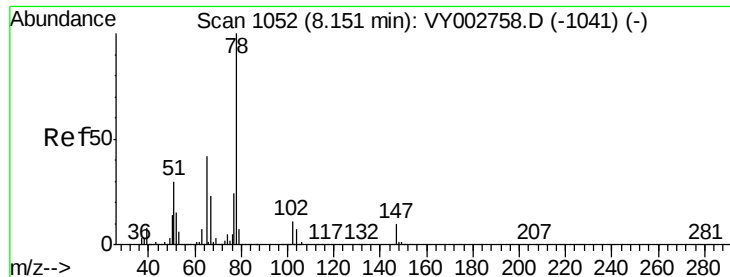
#31
Cyclohexane
Concen: 1.020 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY002898.D
Acq: 15 Jun 2020 13:08

Tgt Ion:	56	Resp:	3596
Ion	Ratio	Lower	Upper
56	100		
69	176.9	28.0	42.0#
84	175.5	77.7	116.5#



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

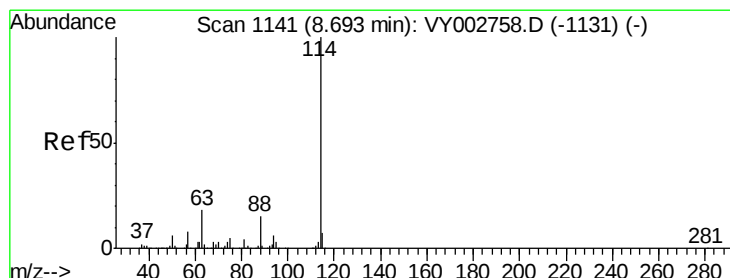
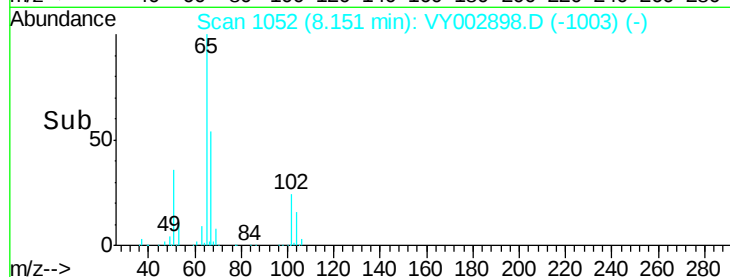
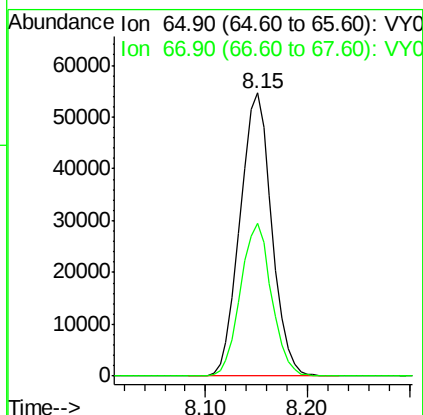
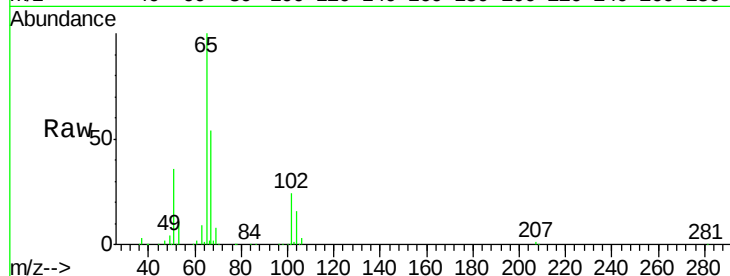




#33
 1,2-Dichloroethane-d4
 Concen: 56.712 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002898.D
 Acq: 15 Jun 2020 13:08

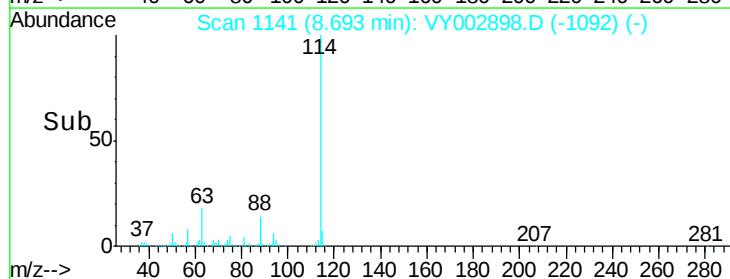
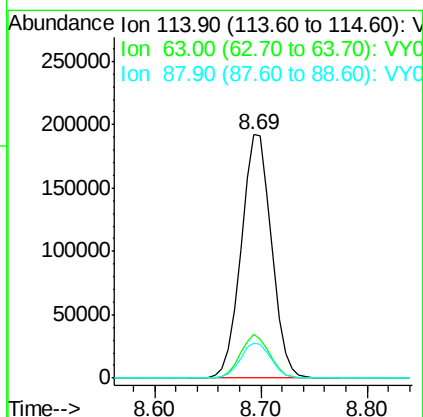
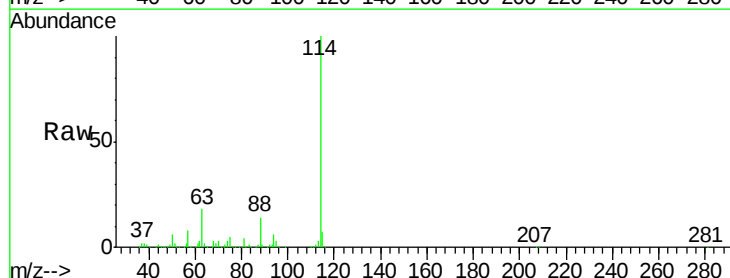
Instrument :
 MSVOA_Y
 ClientSampleId :
 SG1

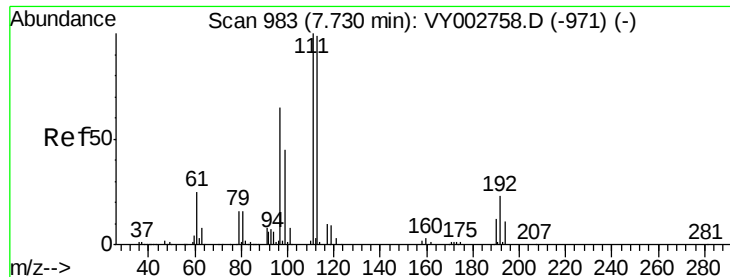
Tot Ion: 65 Resp: 117930
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002898.D
 Acq: 15 Jun 2020 13:08

Tgt Ion: 114 Resp: 384063
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 35.2
 88 14.4 0.0 29.2

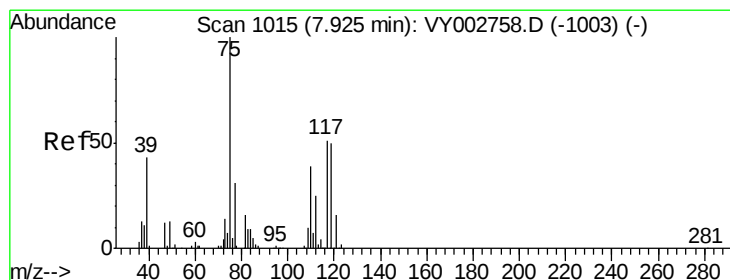
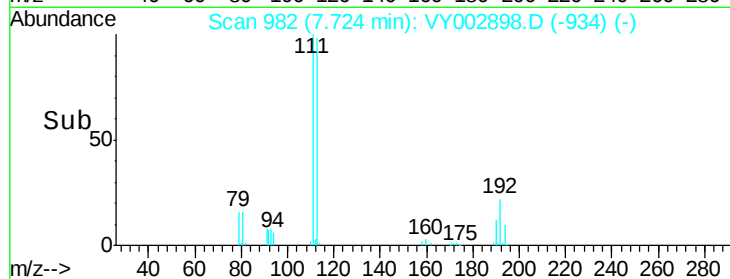
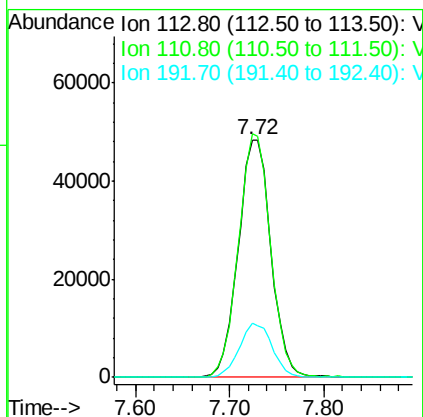
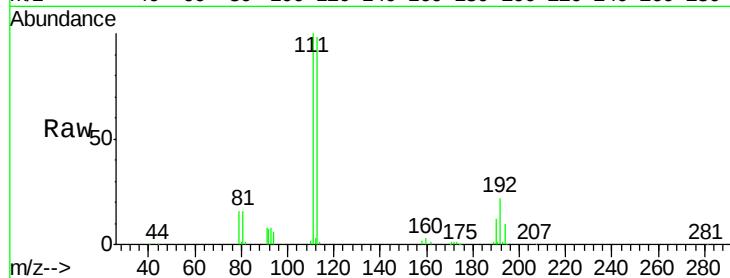




#35
 Dibromofluoromethane
 Concen: 52.308 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002898.D
 Acq: 15 Jun 2020 13:08

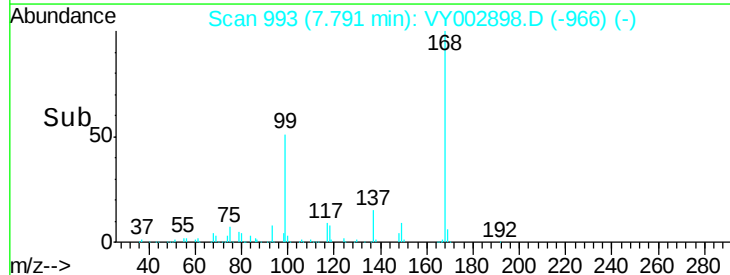
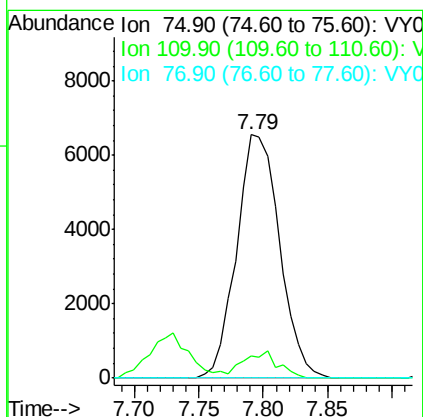
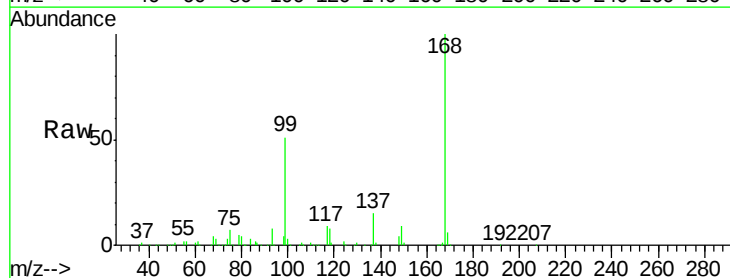
Instrument :
 MSVOA_Y
 ClientSampleId :
 SG1

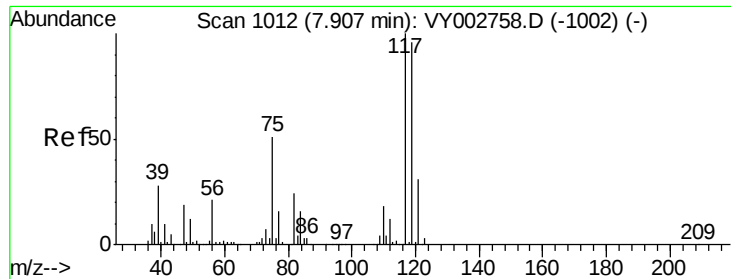
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.0	123.0
192	23.1	18.9	28.3



#36
 1,1-Dichloropropene
 Concen: 4.683 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY002898.D
 Acq: 15 Jun 2020 13:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.3	57.9#
77	0.0	24.8	37.2#

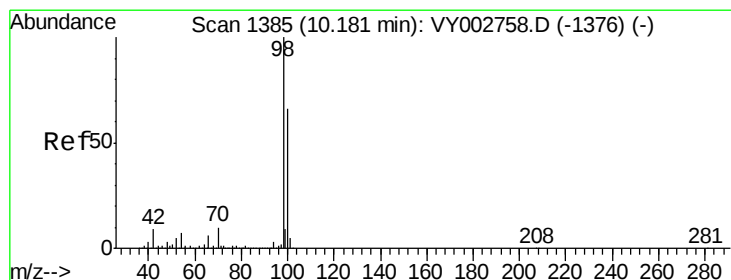
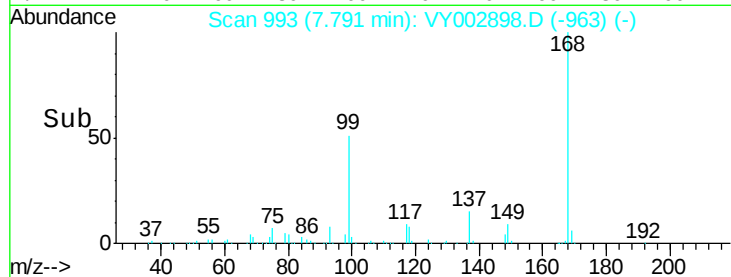
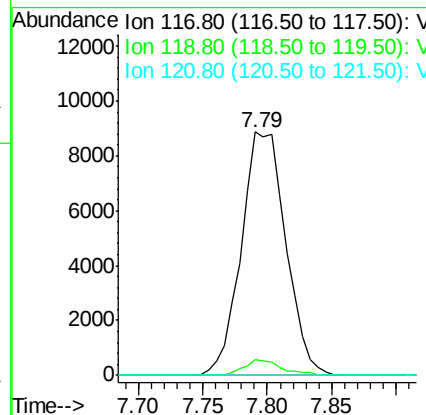
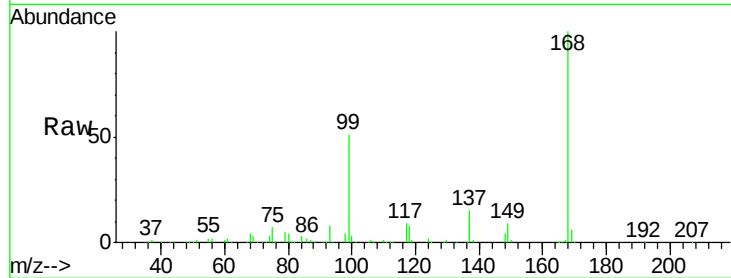




#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.12 min
Lab File: VY002898.D
Acq: 15 Jun 2020 13:08

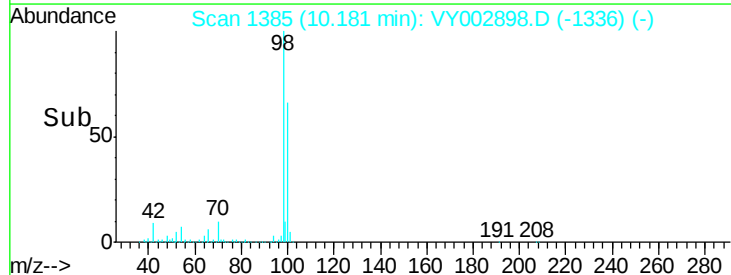
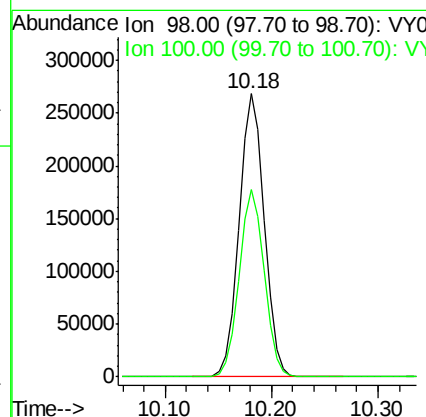
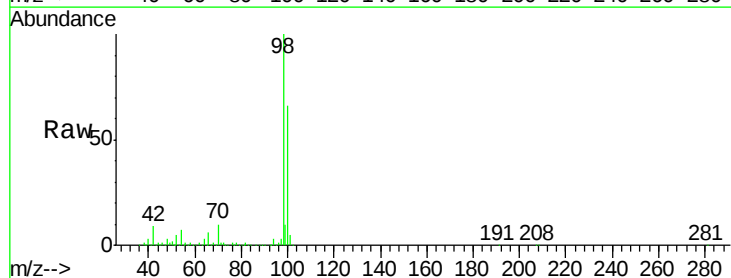
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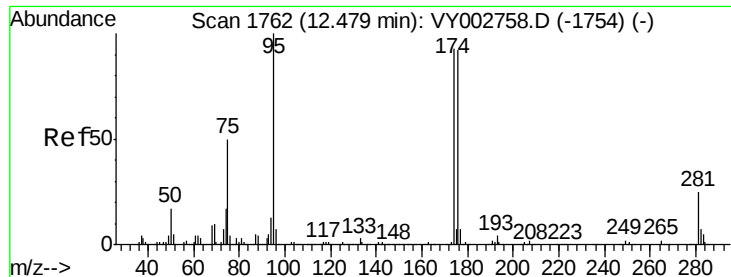
Tot Ion:117 Resp: 21208
Ion Ratio Lower Upper
117 100
119 6.4 76.8 115.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.917 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002898.D
Acq: 15 Jun 2020 13:08

Tgt Ion: 98 Resp: 445171
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.2

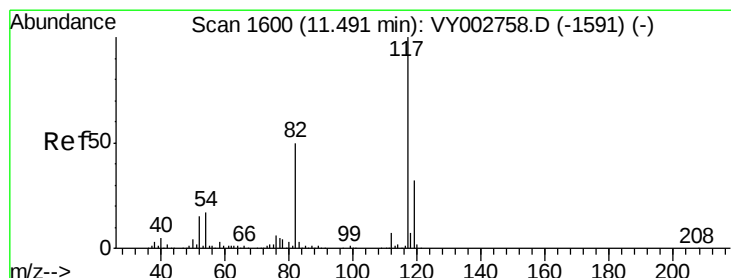
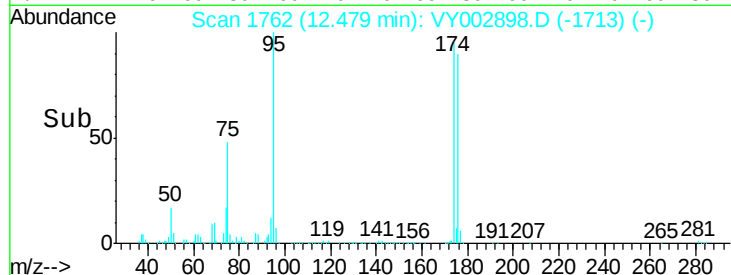
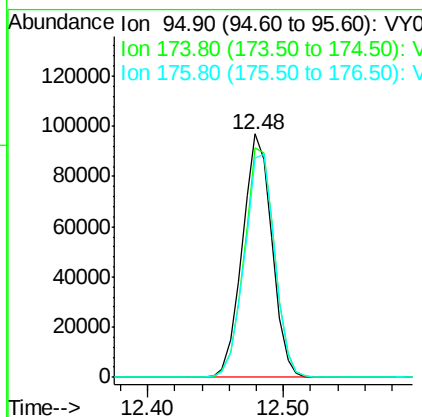
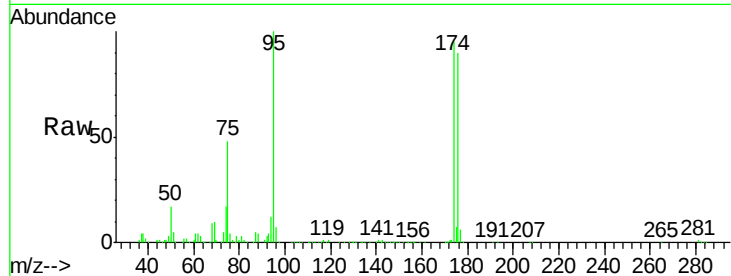




#62
4-Bromofluorobenzene
Concen: 47.306 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY002898.D
Acq: 15 Jun 2020 13:08

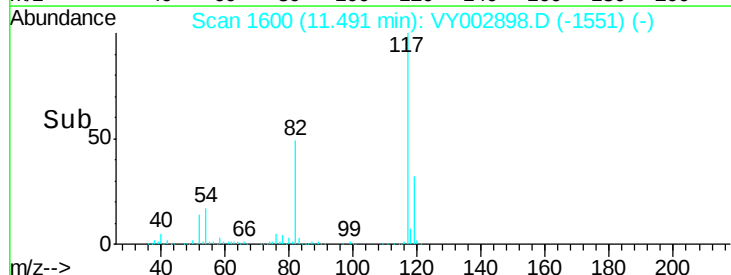
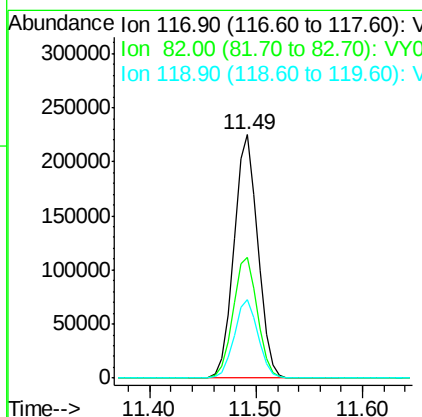
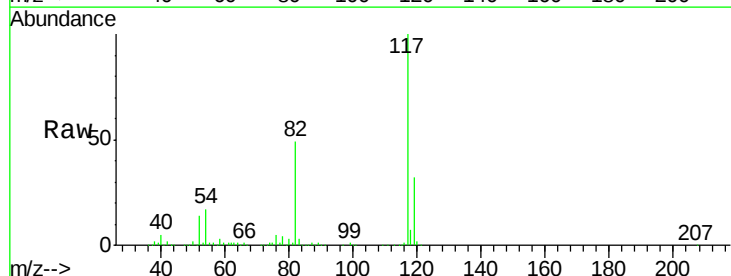
Instrument :
MSVOA_Y
ClientSampleId :
SG1

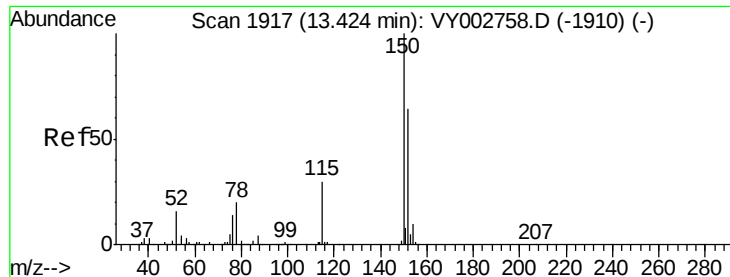
Tot Ion: 95 Resp: 147129
Ion Ratio Lower Upper
95 100
174 97.0 0.0 191.2
176 94.4 0.0 188.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002898.D
Acq: 15 Jun 2020 13:08

Tgt Ion: 117 Resp: 353796
Ion Ratio Lower Upper
117 100
82 49.4 40.2 60.4
119 32.2 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002898.D

Acq: 15 Jun 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

SG1

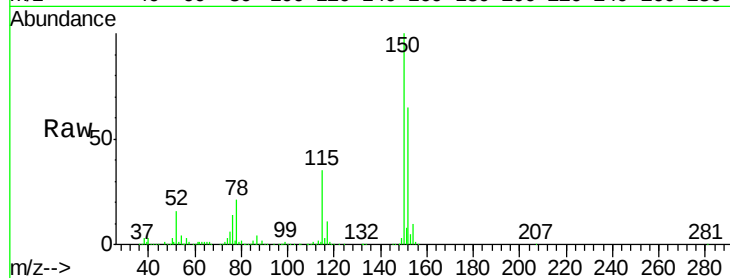
Tot Ion:152 Resp: 176928

Ion Ratio Lower Upper

152 100

115 53.9 27.0 81.0

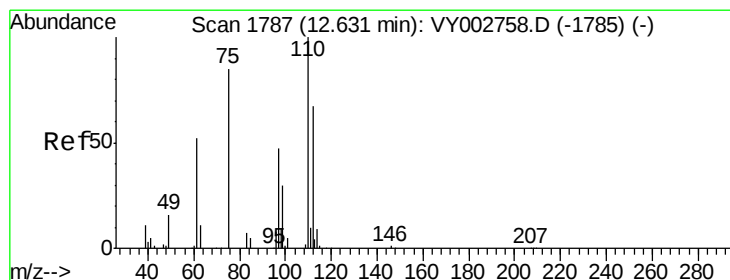
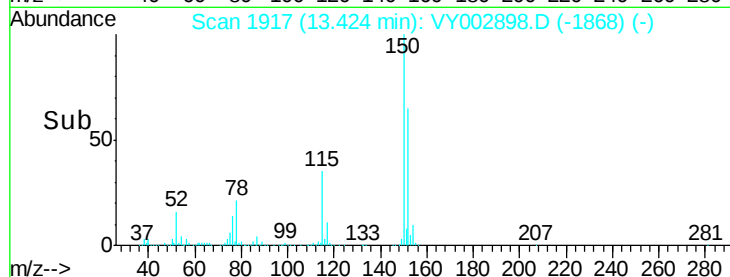
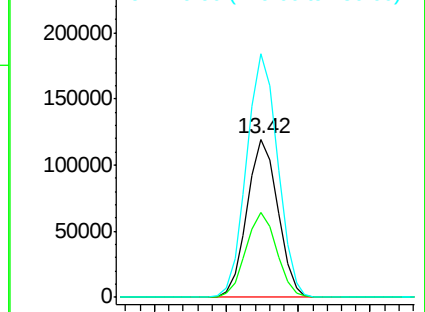
150 156.1 0.0 344.8



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: 44.609 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002898.D

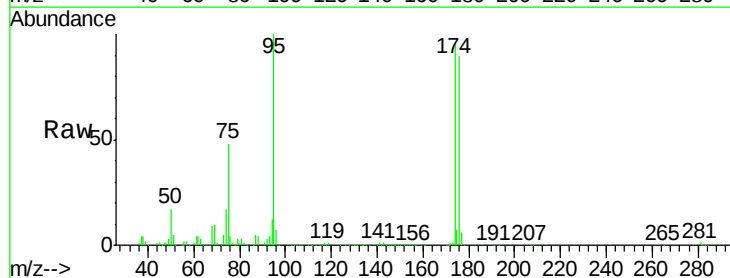
Acq: 15 Jun 2020 13:08

Tgt Ion: 75 Resp: 71118

Ion Ratio Lower Upper

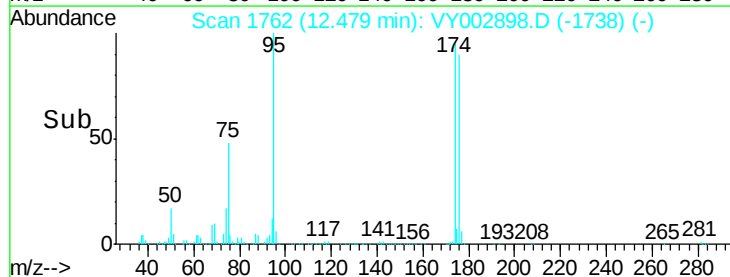
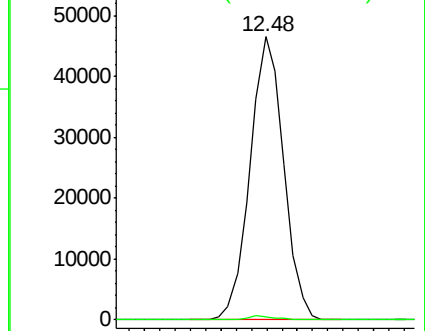
75 100

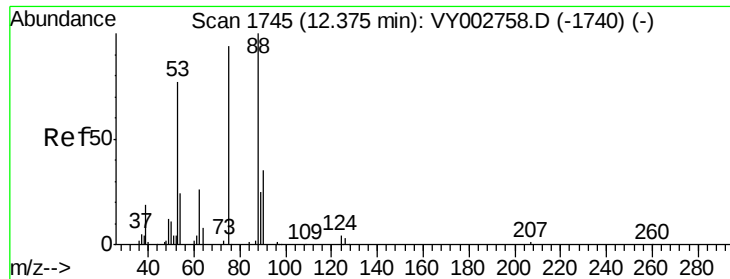
77 1.3 0.0 0.0#



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: 84.044 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002898.D

Acq: 15 Jun 2020 13:08

Instrument :

MSVOA_Y

ClientSampleId :

SG1

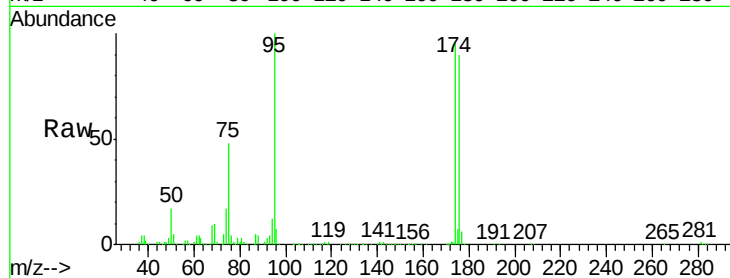
Tot Ion: 75 Resp: 71118

Ion Ratio Lower Upper

75 100

53 0.0 64.0 96.0#

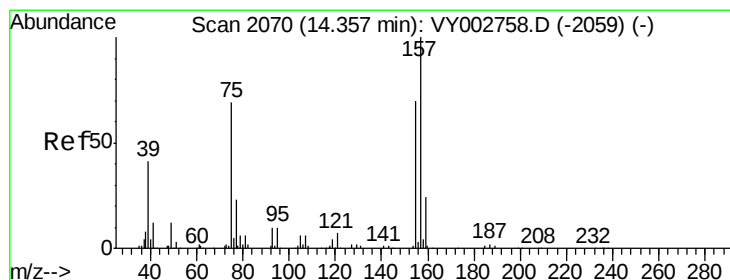
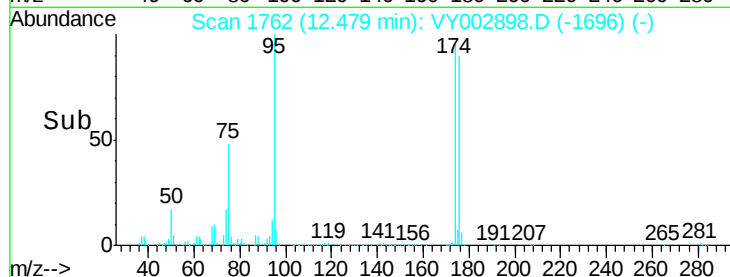
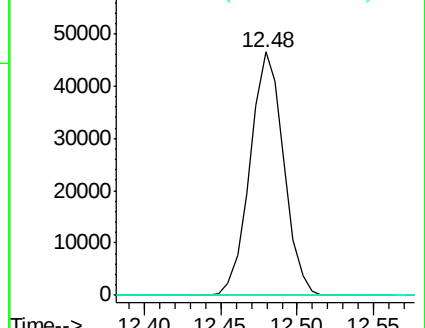
89 0.0 37.4 56.2#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.006 ug/l

RT: 14.22 min Scan# 2047

Delta R.T. -0.14 min

Lab File: VY002898.D

Acq: 15 Jun 2020 13:08

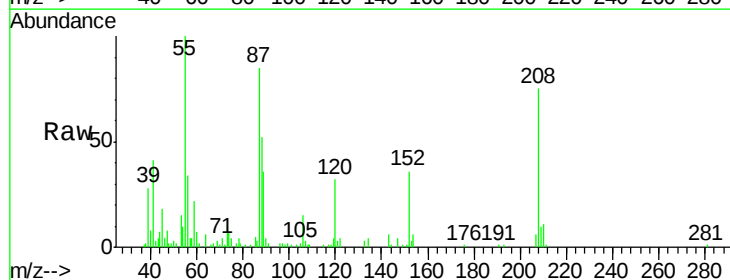
Tgt Ion: 75 Resp: 385

Ion Ratio Lower Upper

75 100

155 0.0 53.5 160.5#

157 0.0 69.9 209.7#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

