

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070120\
 Data File : VY003072.D
 Acq On : 01 Jul 2020 20:34
 Operator : SY/MD
 Sample : L3172-29
 Misc : 5.02G/5ML/MSVOA Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP12-SS

Quant Time: Jul 02 03:22:00 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	242970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	382620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	366630	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	192371	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	136463	56.55	ug/l	0.00
Spiked Amount			Recovery	=	113.10%	
35) Dibromofluoromethane	7.73	113	129525	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
50) Toluene-d8	10.18	98	464664	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.48	95	165846	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	

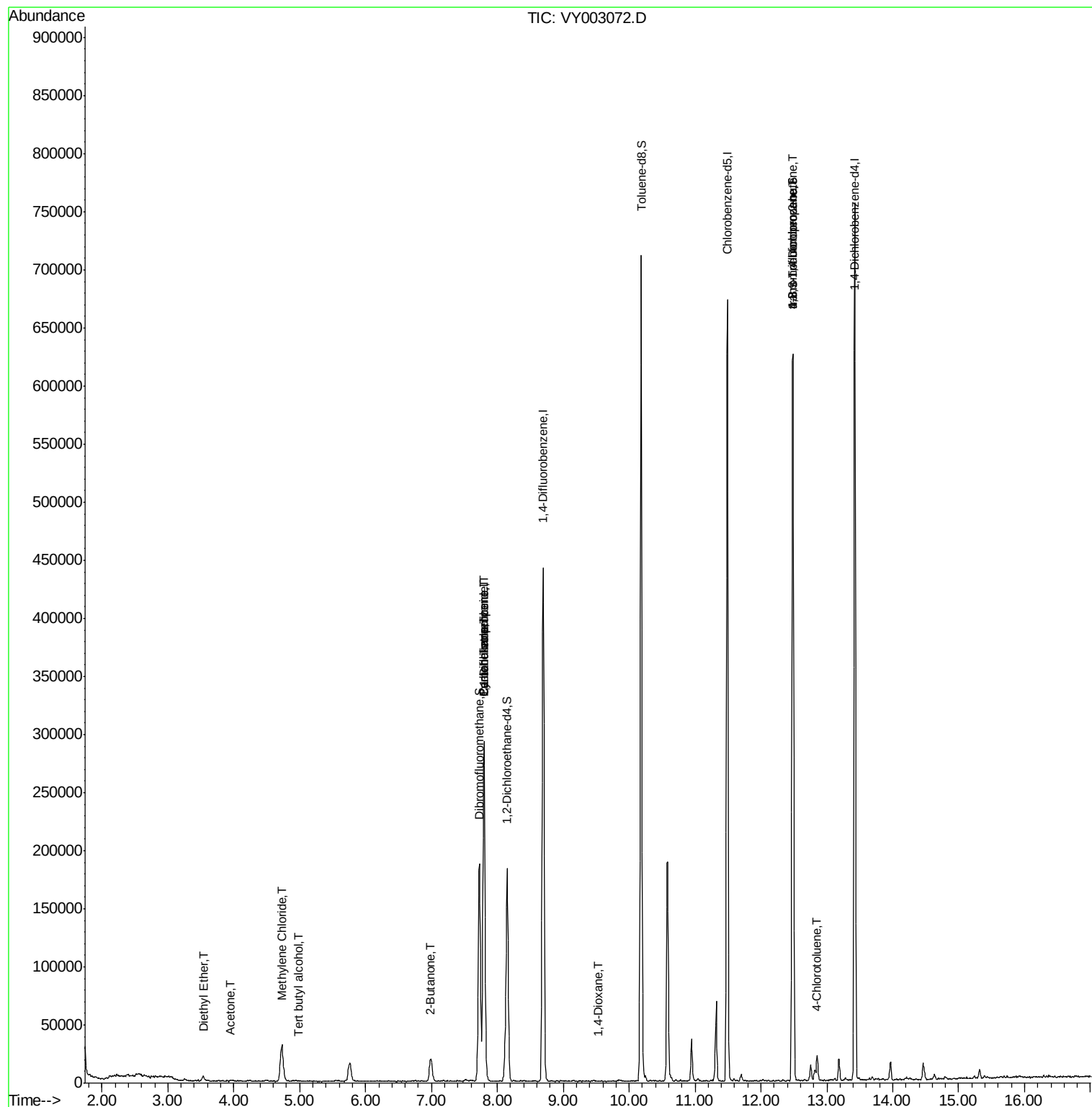
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.54	74	2385	1.875	ug/l	62
11) Tert butyl alcohol	4.98	59	469	1.907	ug/l #	73
16) Acetone	3.95	43	1280	2.249	ug/l	94
20) Methylene Chloride	4.73	84	24213	2.978	ug/l	92
25) 2-Butanone	6.98	43	1175	1.300	ug/l #	48
31) Cyclohexane	7.80	56	4475	1.054	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	16379	4.444	ug/l #	52
38) Carbon Tetrachloride	7.80	117	21846	5.697	ug/l #	16
49) 1,4-Dioxane	9.53	88	27	1.459	ug/l #	23
76) 1,2,3-Trichloropropane	12.48	75	86635	45.504	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	86635	88.533	ug/l #	12
82) 4-Chlorotoluene	12.85	91	11117	1.263	ug/l	100

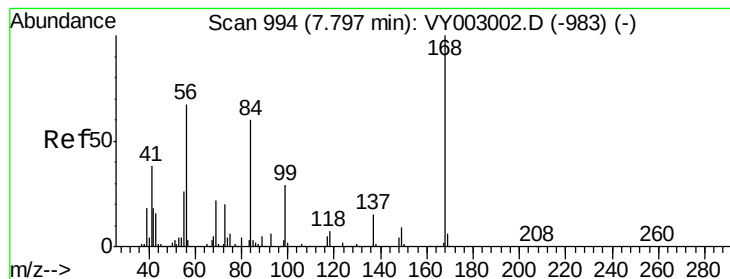
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003072.D

Acq: 01 Jul 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

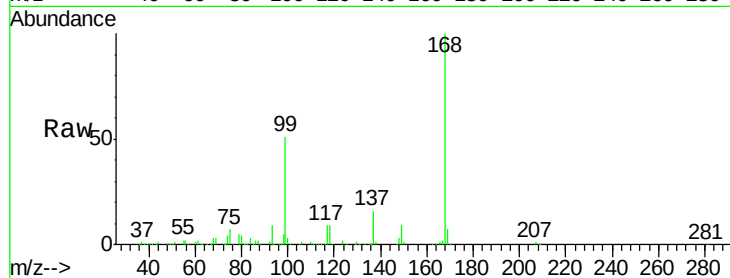
TP12-SS

Tot Ion:168 Resp: 242970

Ion Ratio Lower Upper

168 100

99 51.3 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY003072.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003072.D (-945) (-)

7.80

120000

100000

80000

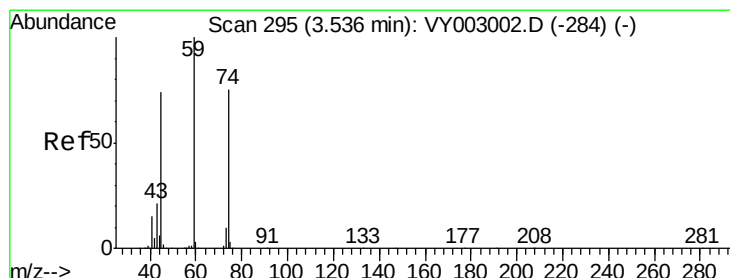
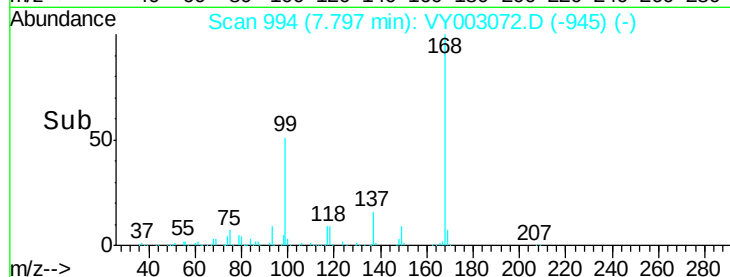
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.875 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VY003072.D

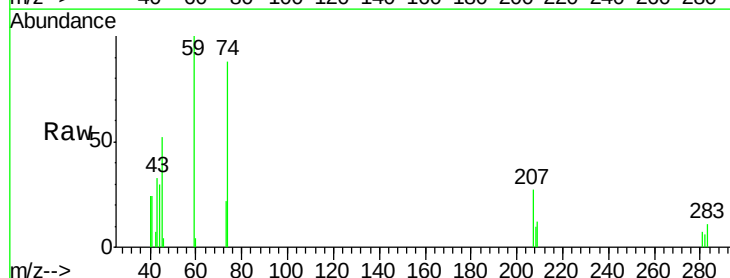
Acq: 01 Jul 2020 20:34

Tgt Ion: 74 Resp: 2385

Ion Ratio Lower Upper

74 100

45 60.9 49.3 147.9



Abundance Ion 74.00 (73.70 to 74.70): VY003072.D (-246) (-)

Ion 45.00 (44.70 to 45.70): VY003072.D (-246) (-)

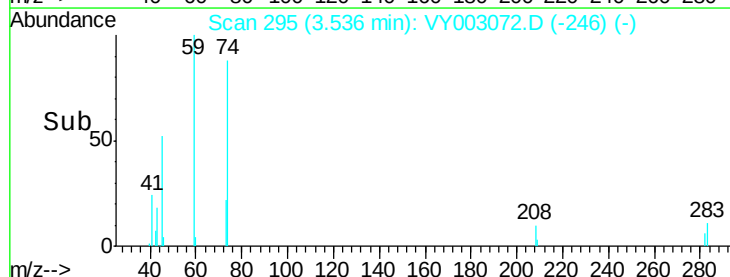
3.54

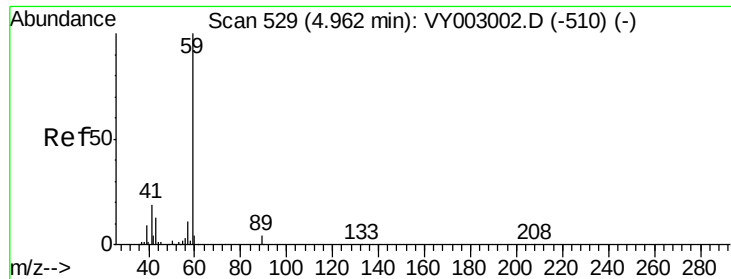
1000

500

0

Time-->



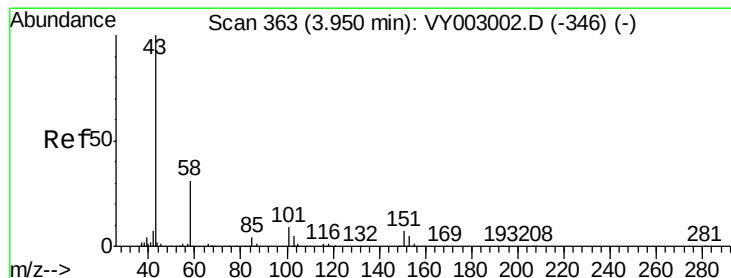
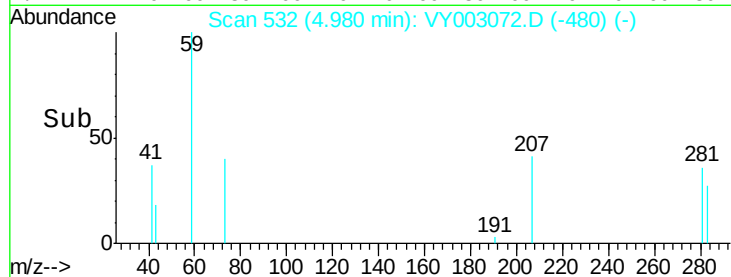
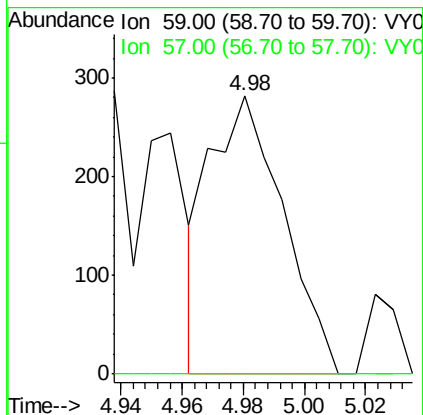
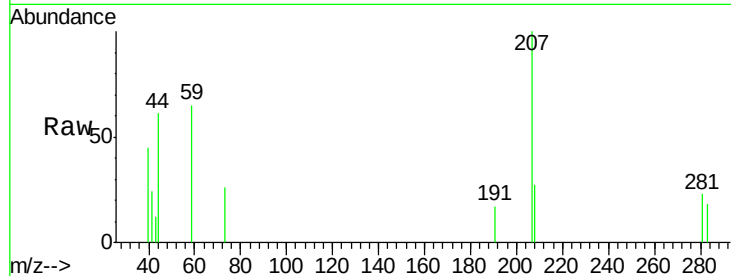


#11

Tert butyl alcohol
 Concen: 1.907 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. 0.02 min
 Lab File: VY003072.D
 Acq: 01 Jul 2020 20:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP12-SS

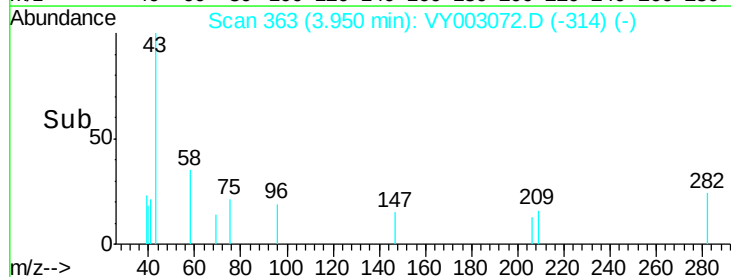
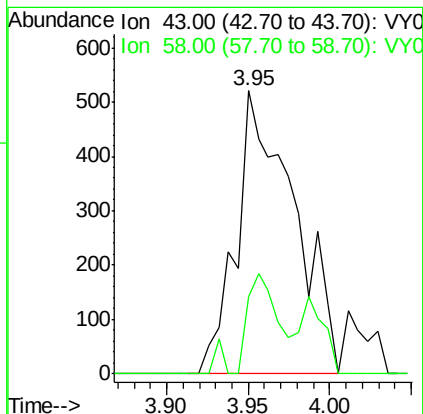
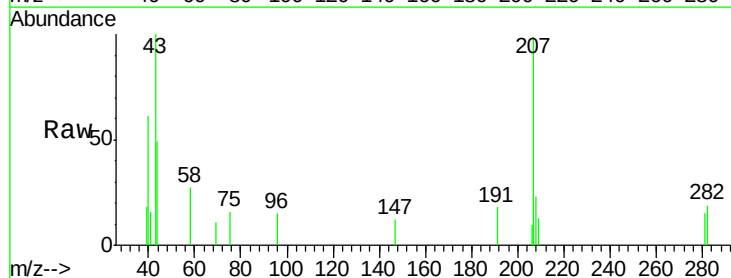
Tot Ion: 59 Resp: 469
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

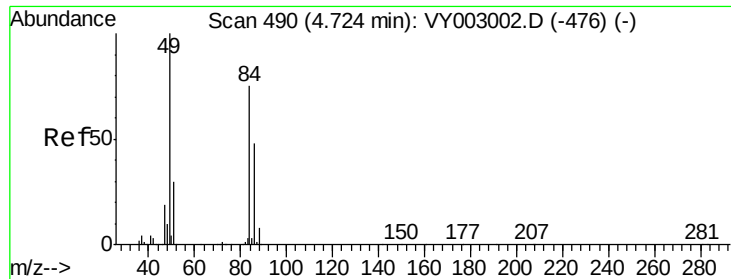


#16

Acetone
 Concen: 2.249 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VY003072.D
 Acq: 01 Jul 2020 20:34

Tgt Ion: 43 Resp: 1280
 Ion Ratio Lower Upper
 43 100
 58 27.4 24.7 37.1

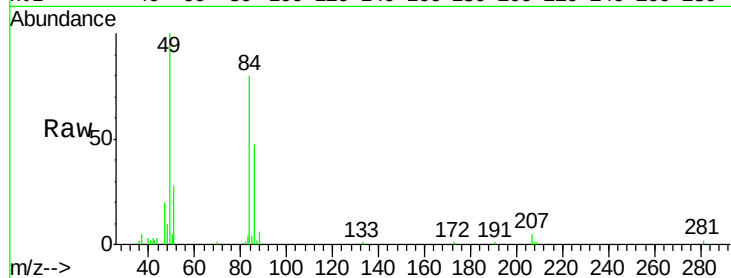




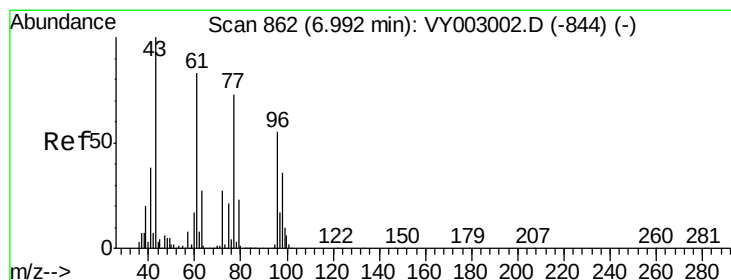
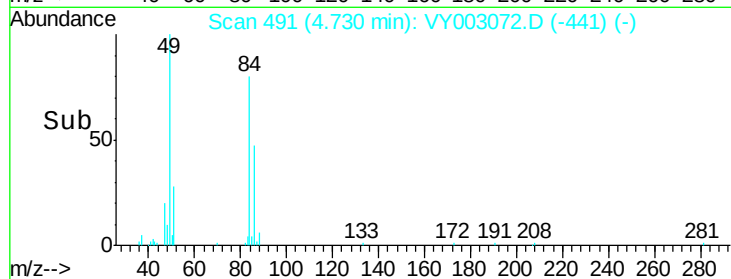
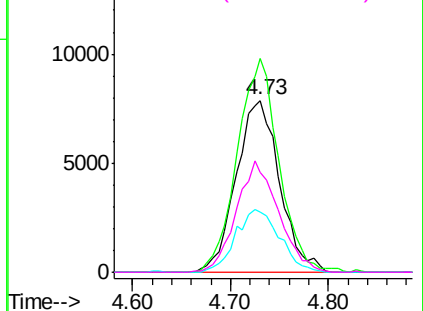
#20
Methylene Chloride
Concen: 2.978 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY003072.D
Acq: 01 Jul 2020 20:34

Instrument :
MSVOA_Y
ClientSampled :
TP12-SS

Tot Ion: 84 Resp: 24213
Ion Ratio Lower Upper
84 100
49 124.4 106.8 160.2
51 34.7 32.0 48.0
86 58.3 51.4 77.2

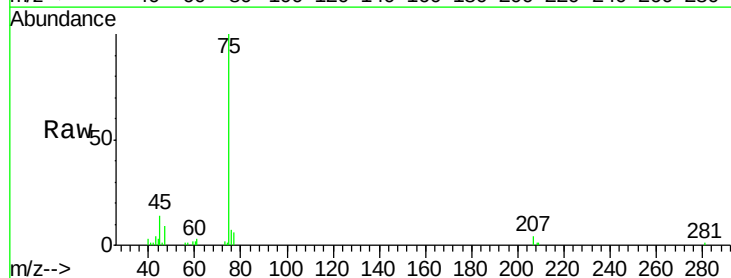


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

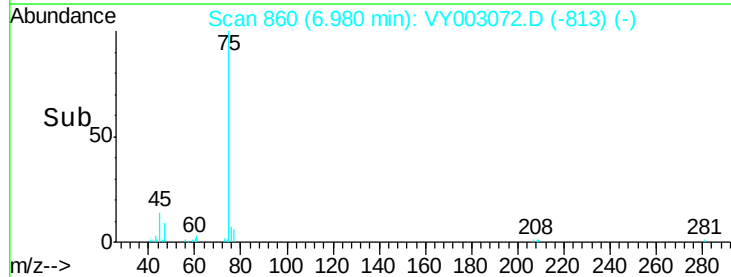
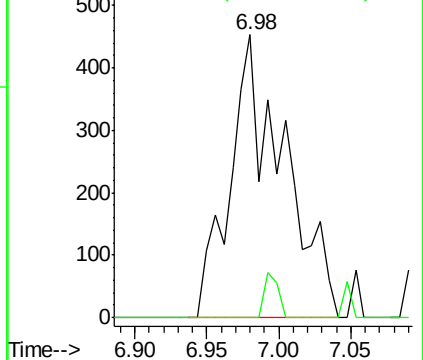


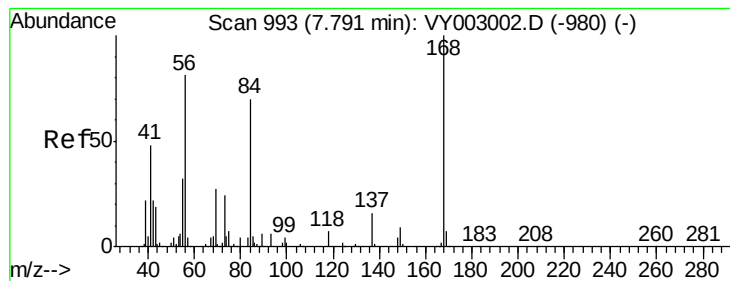
#25
2-Butanone
Concen: 1.300 ug/l
RT: 6.98 min Scan# 860
Delta R.T. -0.01 min
Lab File: VY003072.D
Acq: 01 Jul 2020 20:34

Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
72 0.0 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: 1.054 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY003072.D

Acq: 01 Jul 2020 20:34

Instrument :

MSVOA_Y

ClientSampled :

TP12-SS

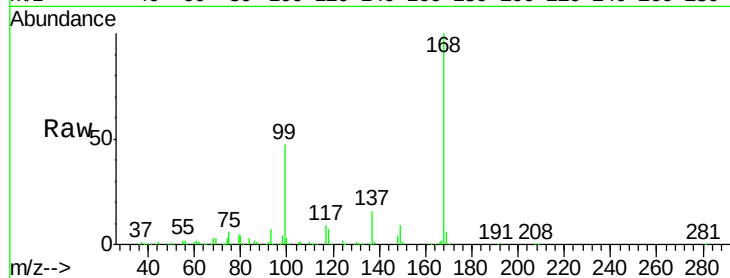
Tot Ion: 56 Resp: 4475

Ion Ratio Lower Upper

56 100

69 166.0 27.0 40.4#

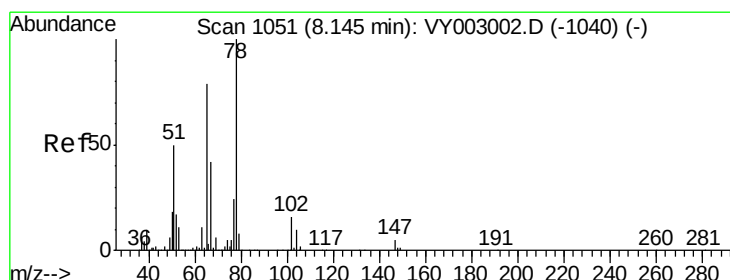
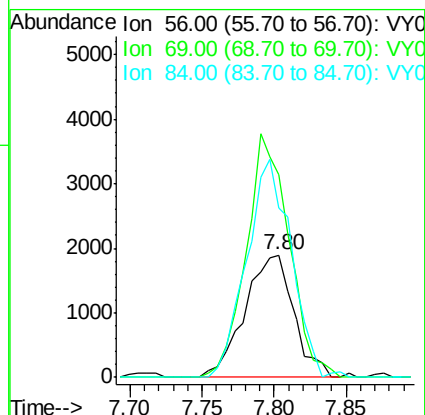
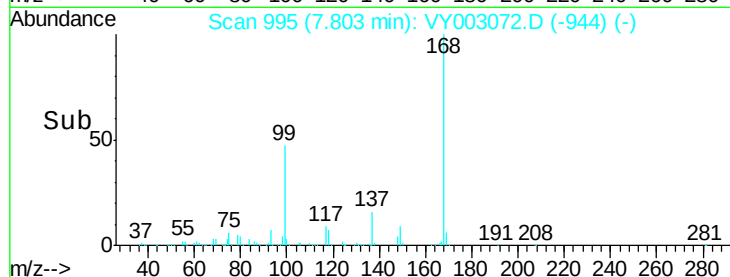
84 138.5 68.1 102.1#



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



#33

1,2-Dichloroethane-d4

Concen: 56.549 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003072.D

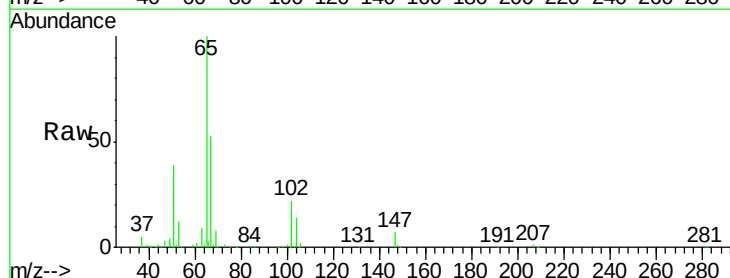
Acq: 01 Jul 2020 20:34

Tgt Ion: 65 Resp: 136463

Ion Ratio Lower Upper

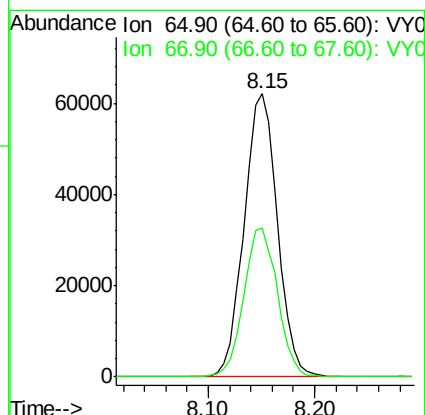
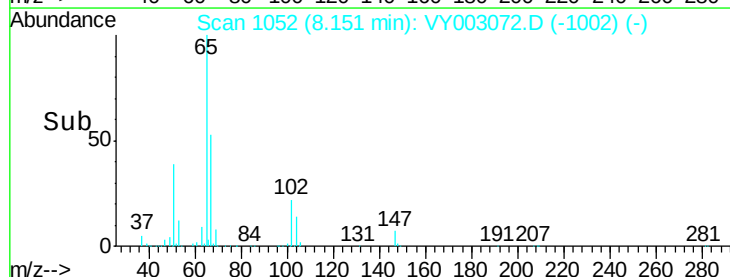
65 100

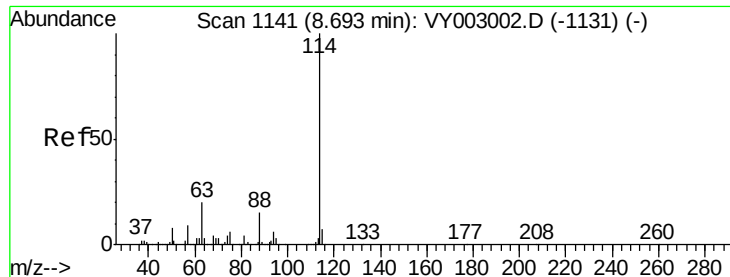
67 53.1 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

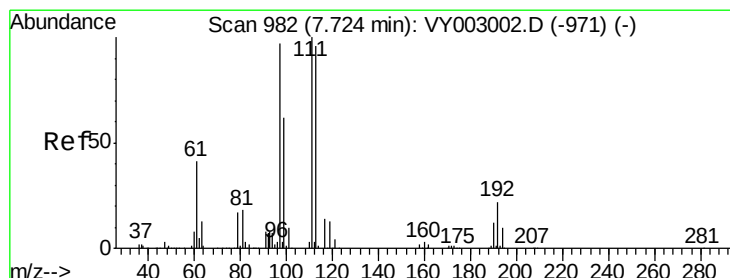
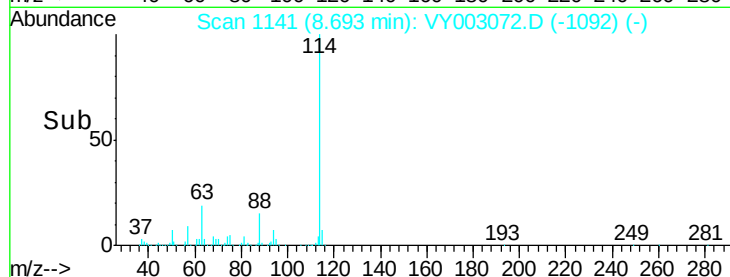
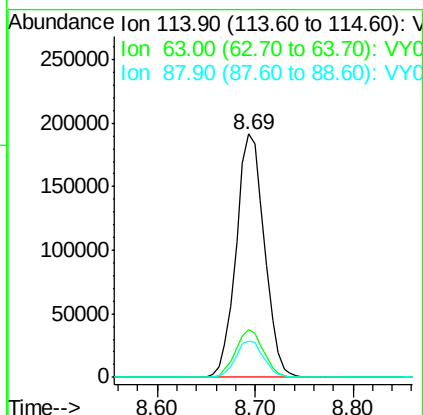
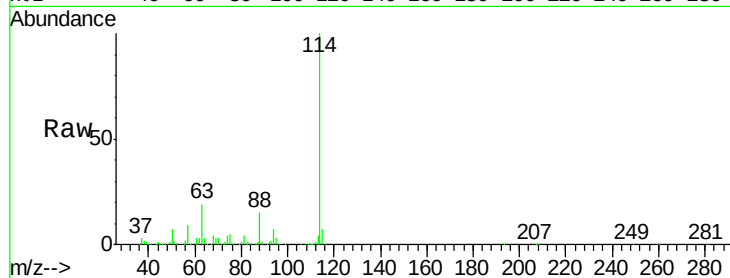




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003072.D
 Acq: 01 Jul 2020 20:34

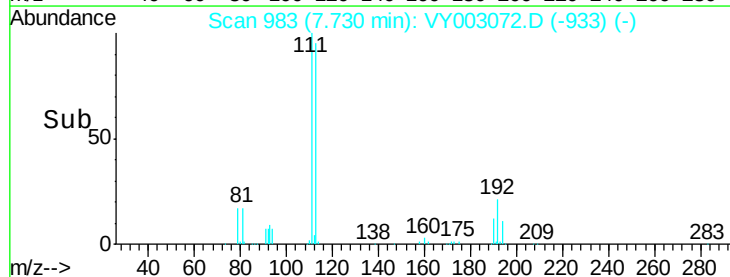
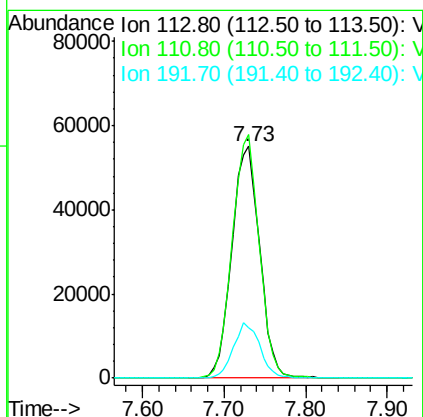
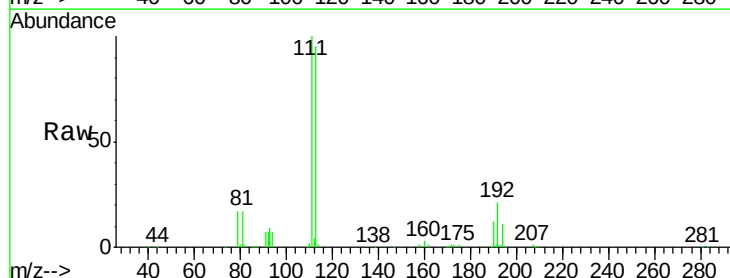
Instrument :
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 TP12-SS

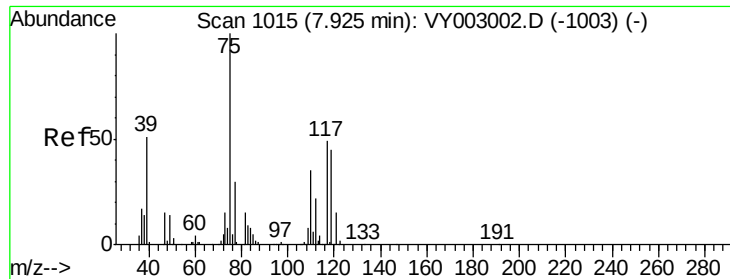
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.6
88	15.0	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 54.266 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY003072.D
 Acq: 01 Jul 2020 20:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	22.7	18.1	27.1

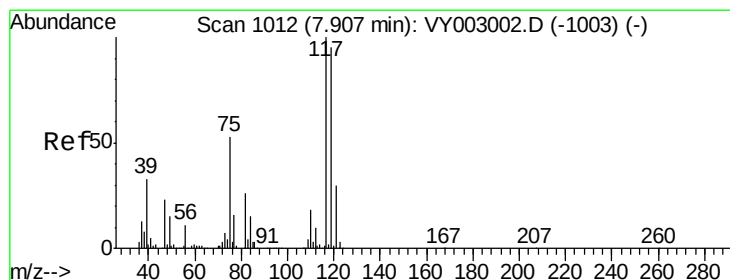
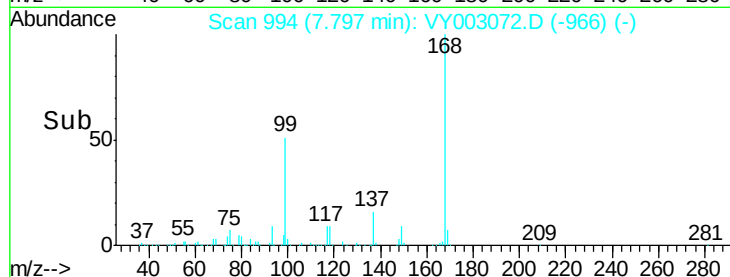
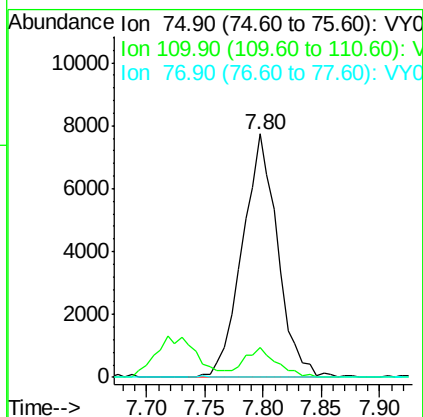
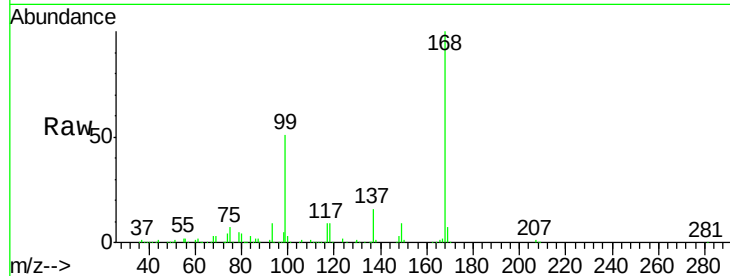




#36
 1,1-Dichloropropene
 Concen: 4.444 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003072.D
 Acq: 01 Jul 2020 20:34

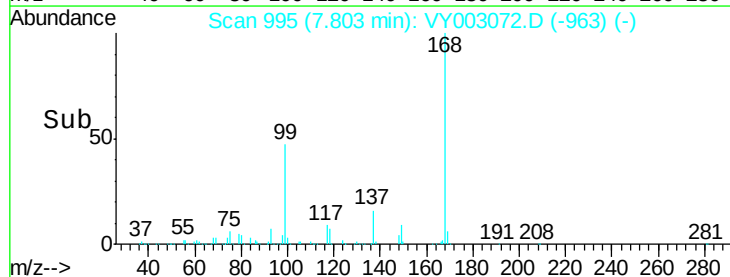
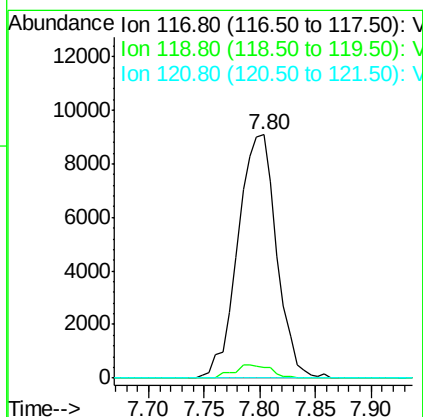
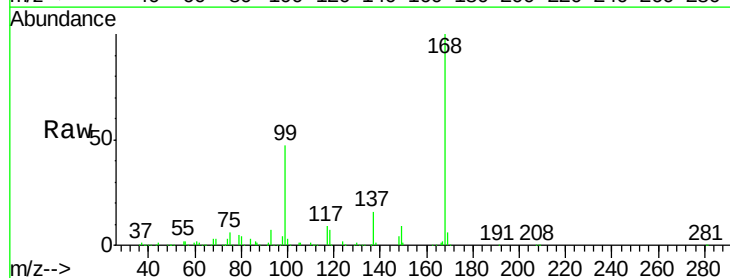
Instrument :
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 TP12-SS

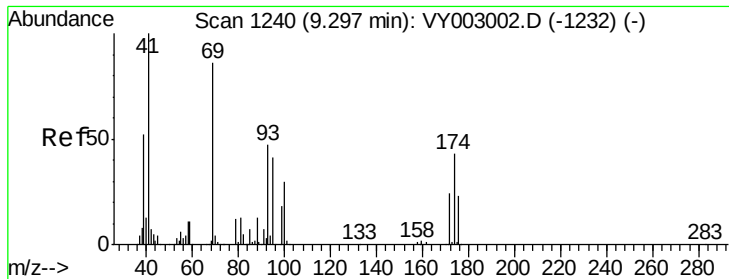
Tot Ion	75	Resp	16379
Ion Ratio	Lower	Upper	
75	100		
110	11.2	17.1	51.2#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.697 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.10 min
 Lab File: VY003072.D
 Acq: 01 Jul 2020 20:34

Tgt Ion	117	Resp	21846
Ion Ratio	Lower	Upper	
117	100		
119	4.3	75.7	113.5#
121	0.0	23.9	35.9#





#49

1,4-Dioxane

Concen: 1.459 ug/l

RT: 9.53 min Scan# 1278

Delta R.T. 0.23 min

Lab File: VY003072.D

Acq: 01 Jul 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

TP12-SS

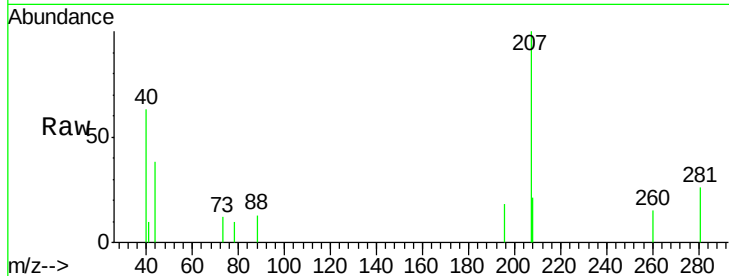
Tot Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

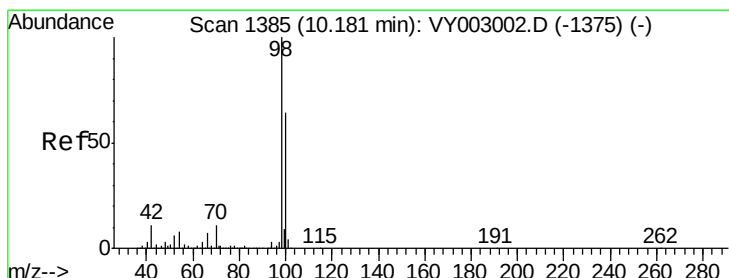
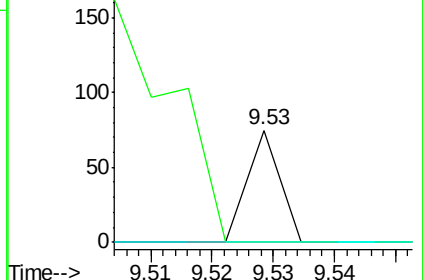
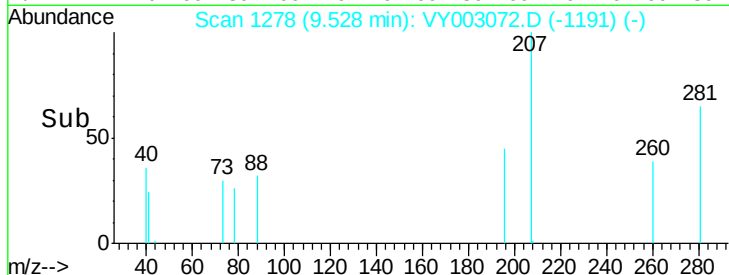
58 0.0 56.7 85.1#



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: 52.256 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003072.D

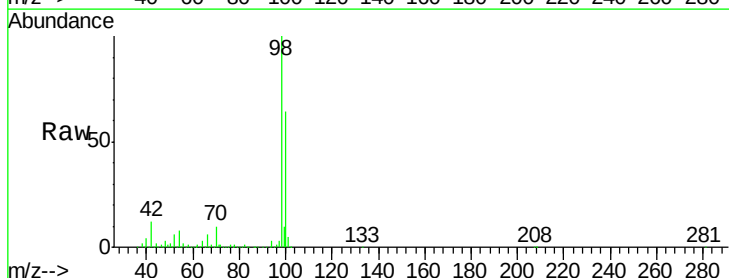
Acq: 01 Jul 2020 20:34

Tgt Ion: 98 Resp: 464664

Ion Ratio Lower Upper

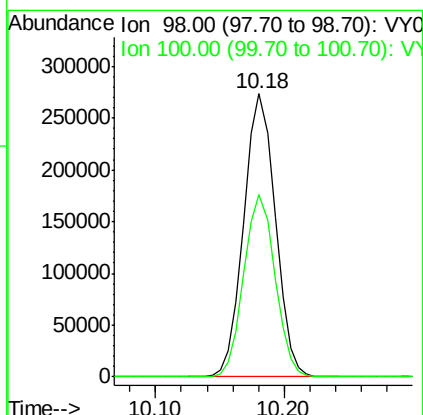
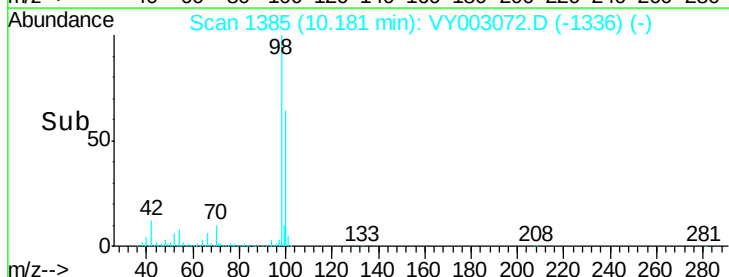
98 100

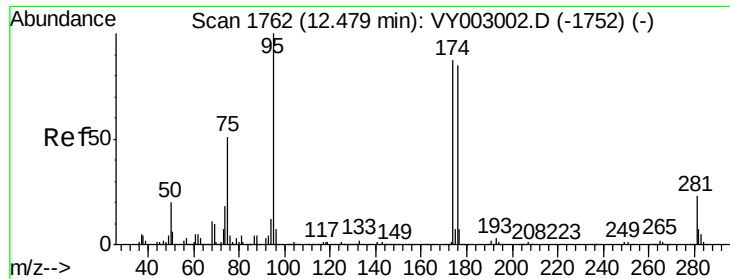
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

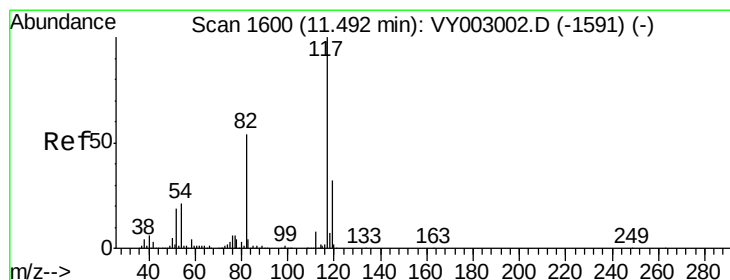
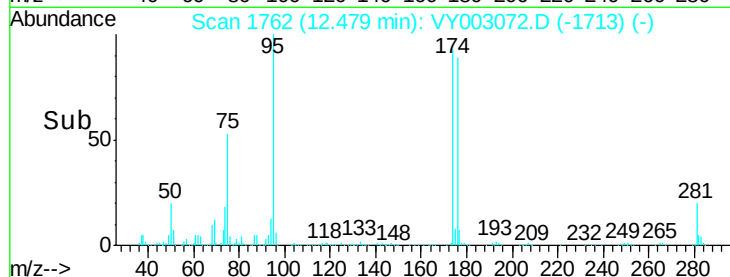
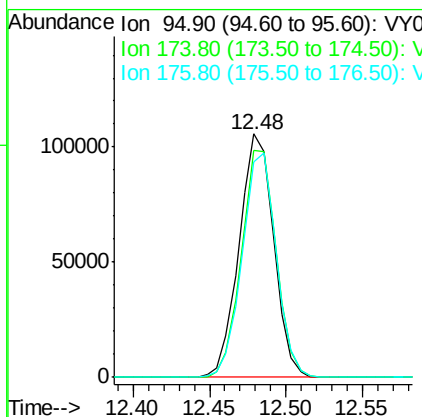
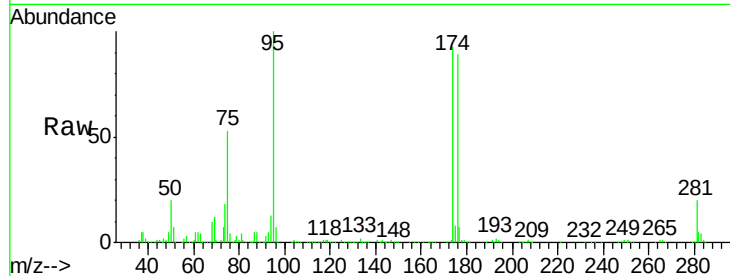




#62
4-Bromofluorobenzene
Concen: 52.986 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.00 min
Lab File: VY003072.D
Acq: 01 Jul 2020 20:34

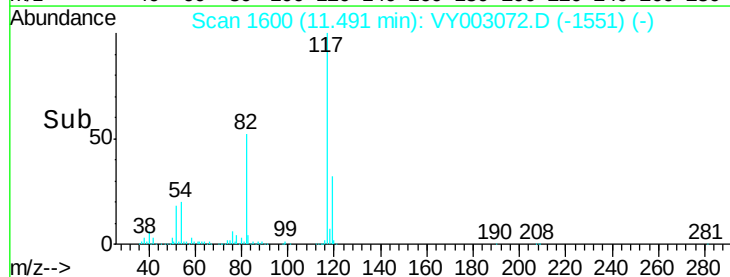
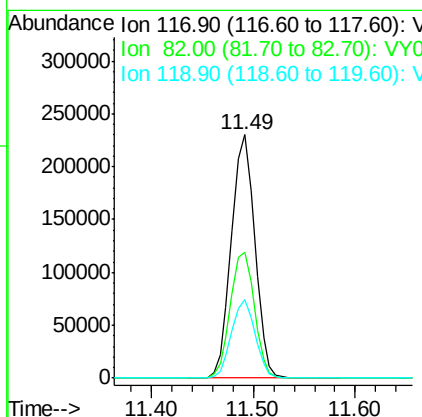
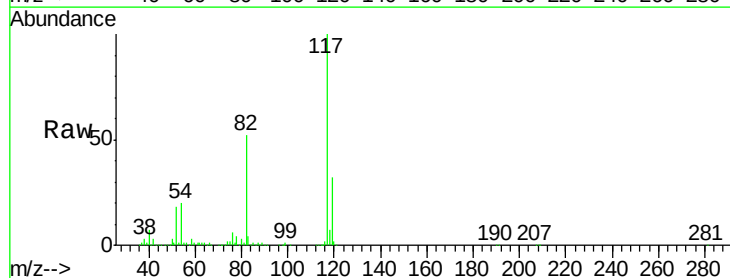
Instrument :
MSVOA_Y
ClientSampled :
TP12-SS

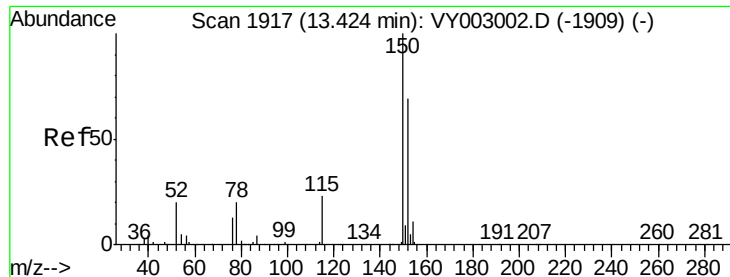
Tot Ion: 95 Resp: 165846
Ion Ratio Lower Upper
95 100
174 93.7 0.0 184.8
176 91.2 0.0 183.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003072.D
Acq: 01 Jul 2020 20:34

Tgt Ion: 117 Resp: 366630
Ion Ratio Lower Upper
117 100
82 51.8 43.0 64.6
119 32.1 25.8 38.8



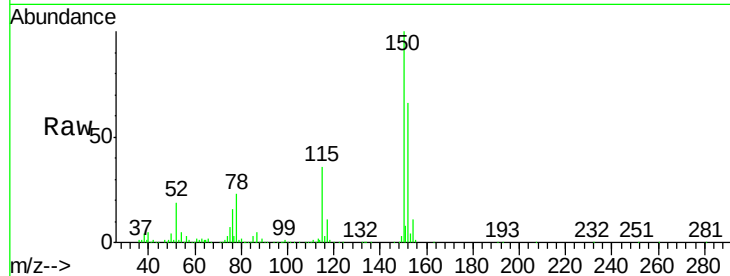


#72

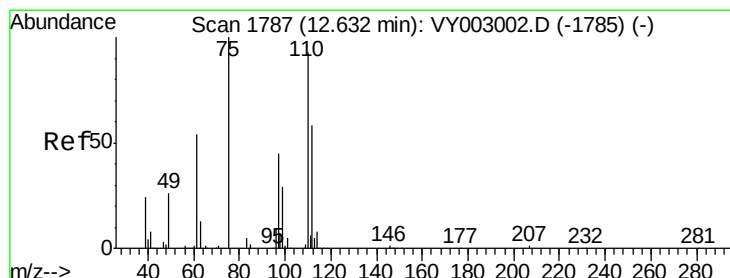
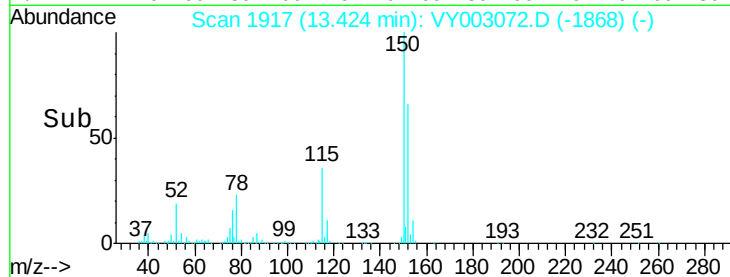
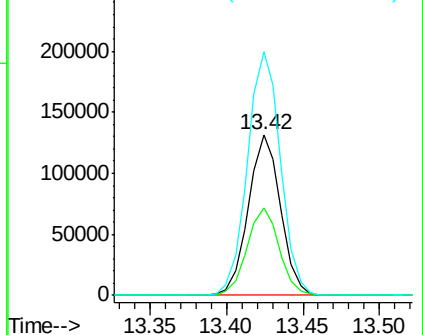
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003072.D
Acq: 01 Jul 2020 20:34

Instrument :
MSVOA_Y
ClientSampleId :
TP12-SS

Tot Ion:152 Resp: 192371
Ion Ratio Lower Upper
152 100
115 54.6 27.3 81.9
150 155.5 0.0 343.4



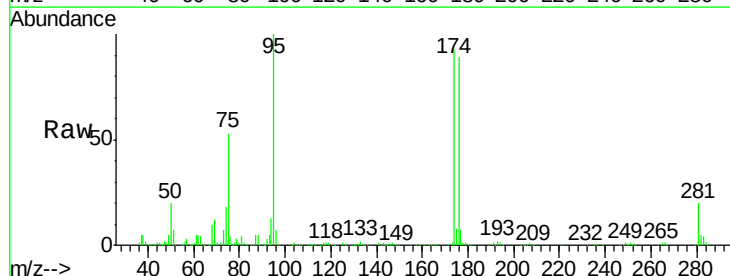
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



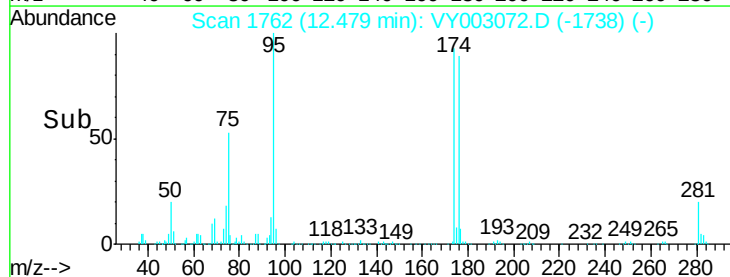
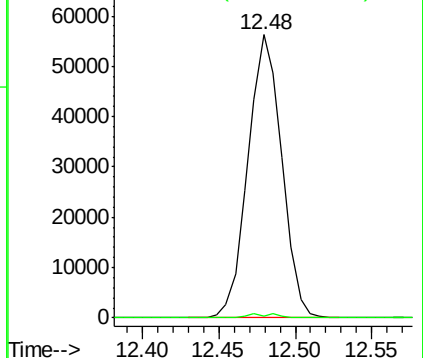
#76

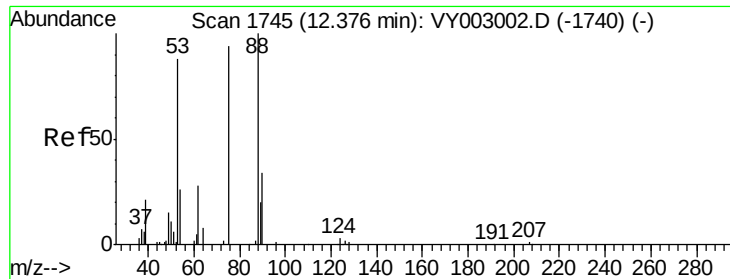
1,2,3-Trichloropropane
Concen: 45.504 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY003072.D
Acq: 01 Jul 2020 20:34

Tgt Ion: 75 Resp: 86635
Ion Ratio Lower Upper
75 100
77 1.4 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: 88.533 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003072.D

Acq: 01 Jul 2020 20:34

Instrument :

MSVOA_Y

ClientSampleId :

TP12-SS

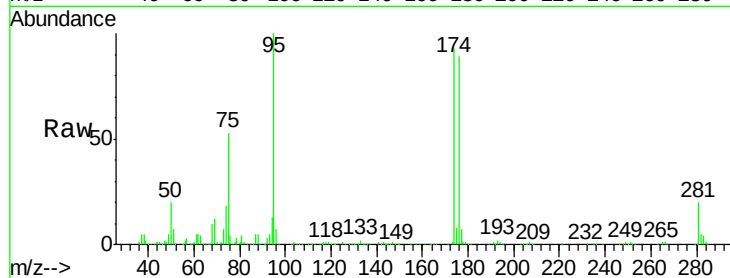
Tot Ion: 75 Resp: 86635

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

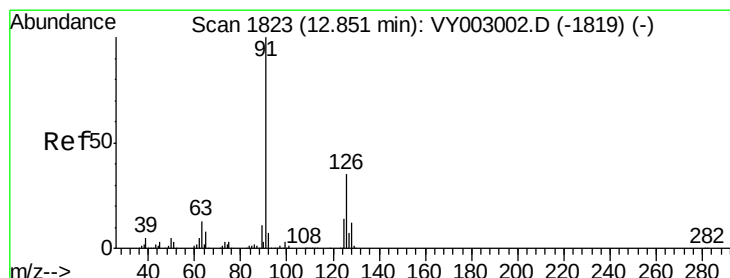
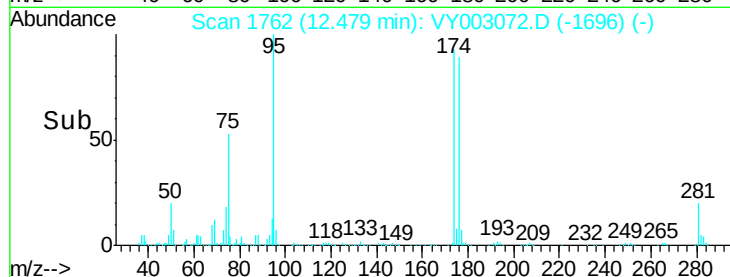
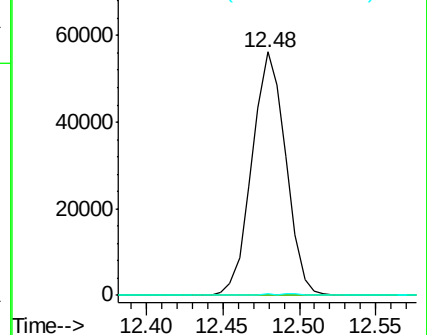
89 0.3 37.5 56.3#



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



#82

4-Chlorotoluene

Concen: 1.263 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY003072.D

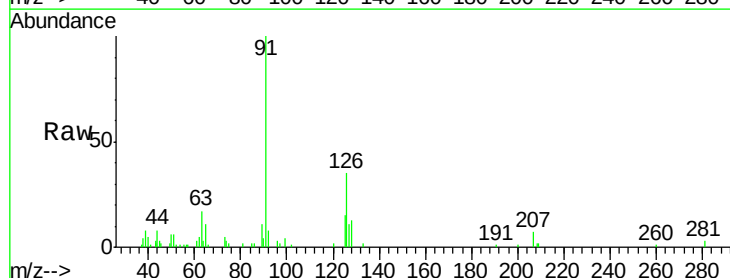
Acq: 01 Jul 2020 20:34

Tgt Ion: 91 Resp: 11117

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

