

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072720\
 Data File : VY003353.D
 Acq On : 27 Jul 2020 13:36
 Operator : SY/MD
 Sample : VY0727SBL01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0727SBL01

Quant Time: Jul 28 05:03:42 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	487701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	759798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	701151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	342216	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	236739	57.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	115.02%	
35) Dibromofluoromethane	7.72	113	234325	53.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.18%	
50) Toluene-d8	10.18	98	918753	56.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.04%	
62) 4-Bromofluorobenzene	12.48	95	303609	51.70	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.40%	

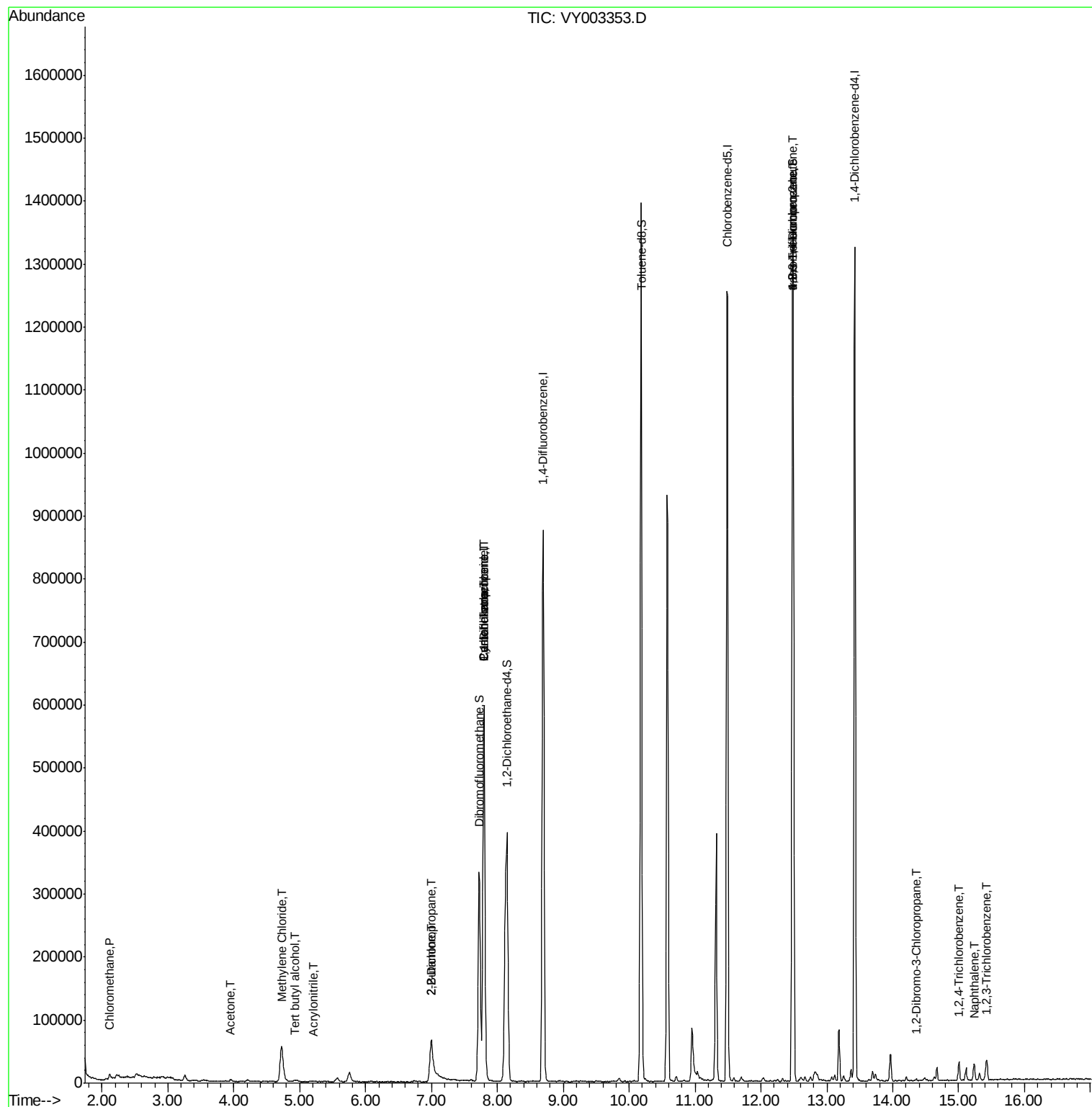
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.11	50	6559	1.353	ug/l	92
11) Tert butyl alcohol	4.93	59	2922	6.565	ug/l #	72
15) Acrylonitrile	5.19	53	1289	1.127	ug/l #	87
16) Acetone	3.95	43	3583	3.897	ug/l #	75
20) Methylene Chloride	4.72	84	44429	4.616	ug/l	97
25) 2-Butanone	7.00	43	4475	2.964	ug/l #	73
26) 2,2-Dichloropropane	7.00	77	7334	1.052	ug/l #	52
31) Cyclohexane	7.79	56	8748	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	34126	4.956	ug/l #	49
38) Carbon Tetrachloride	7.80	117	44599	6.274	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	158292	52.255	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	158292	101.699	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1108	1.623	ug/l	61
93) 1,2,4-Trichlorobenzene	15.01	180	9584	1.460	ug/l	99
95) Naphthalene	15.23	128	21715	2.002	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	11788	2.272	ug/l	94

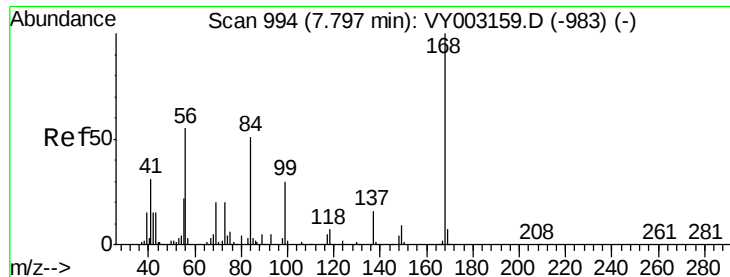
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003353.D

Acq: 27 Jul 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

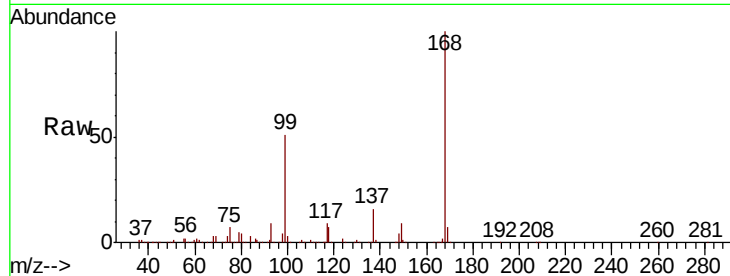
VY0727SBL01

Tot Ion:168 Resp: 487701

Ion Ratio Lower Upper

168 100

99 50.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003353.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003353.D (-945) (-)

7.80

200000

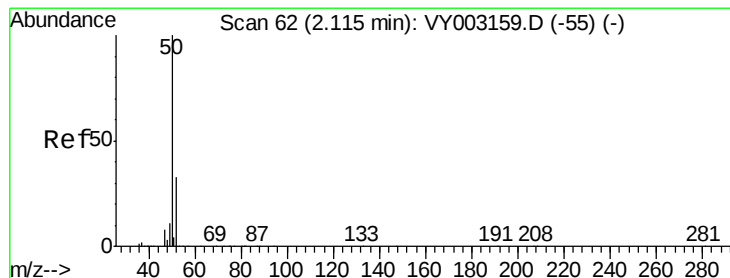
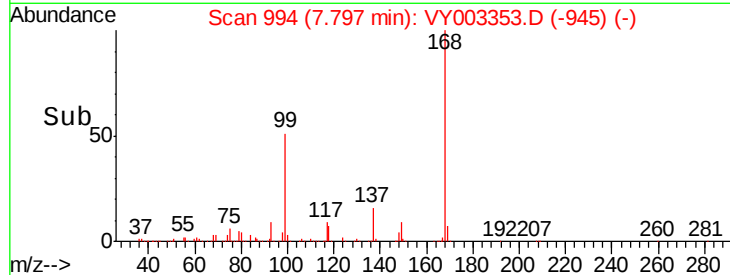
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.353 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003353.D

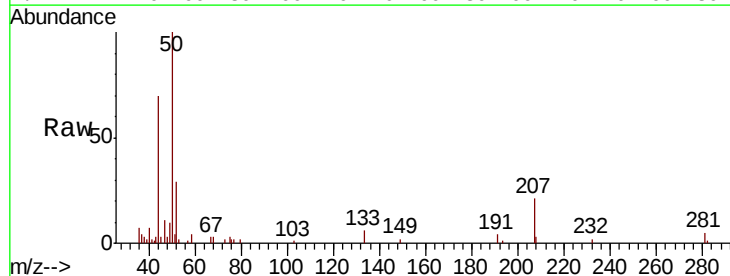
Acq: 27 Jul 2020 13:36

Tgt Ion: 50 Resp: 6559

Ion Ratio Lower Upper

50 100

52 28.9 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003353.D (-13) (-)

Ion 51.90 (51.60 to 52.60): VY003353.D (-13) (-)

2.11

5000

4000

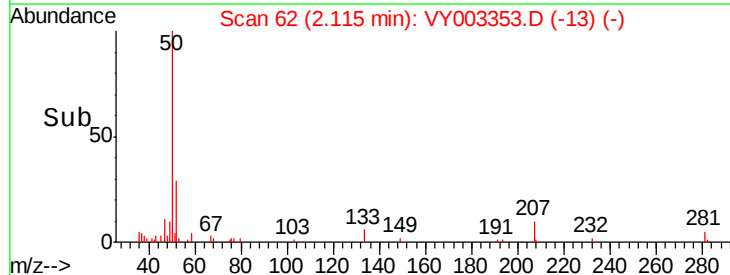
3000

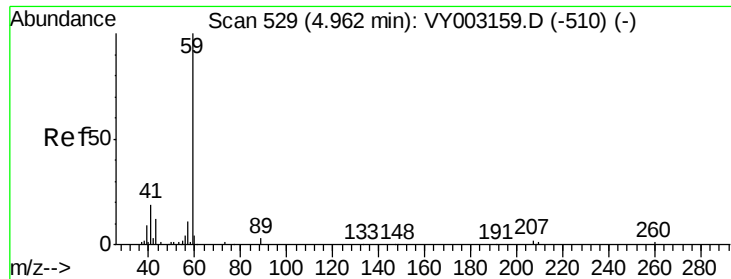
2000

1000

0

Time-->

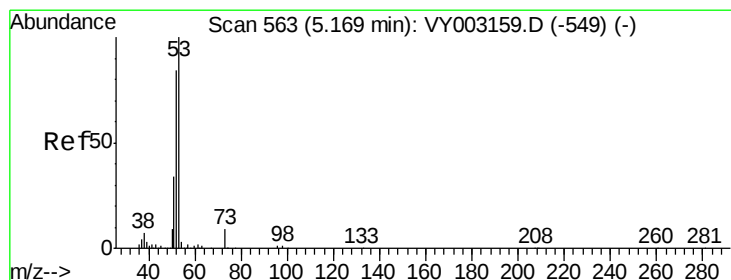
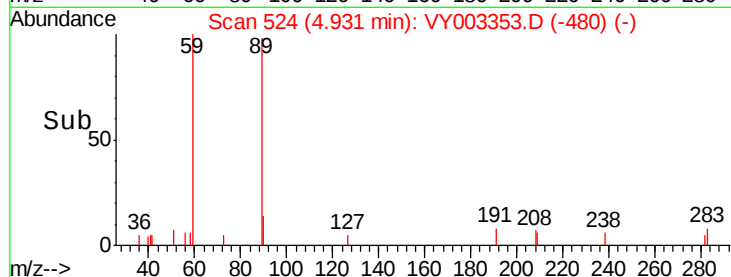
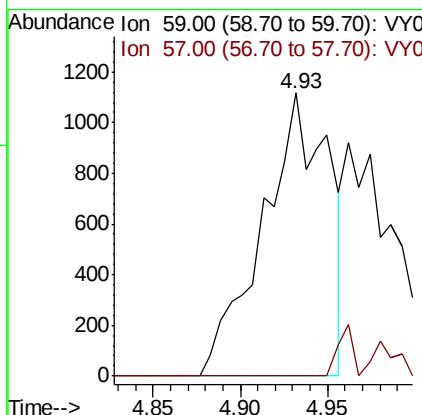
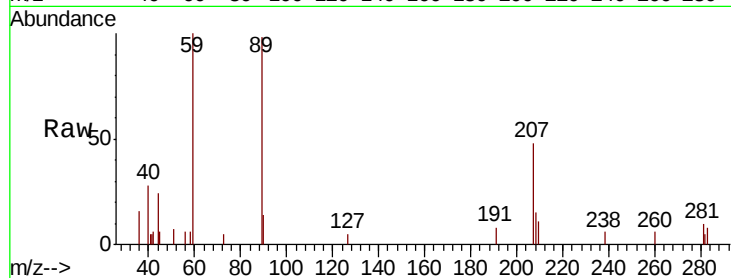




#11
Tert butyl alcohol
Concen: 6.565 ug/l
RT: 4.93 min Scan# 524
Delta R.T. -0.03 min
Lab File: VY003353.D
Acq: 27 Jul 2020 13:36

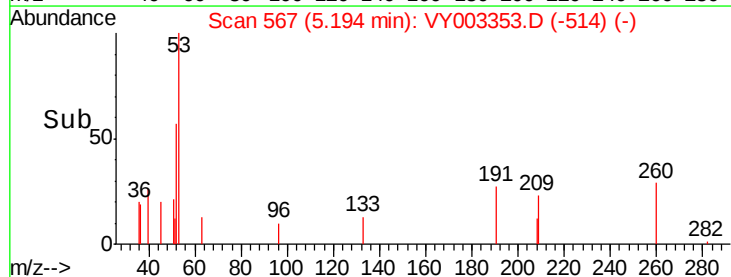
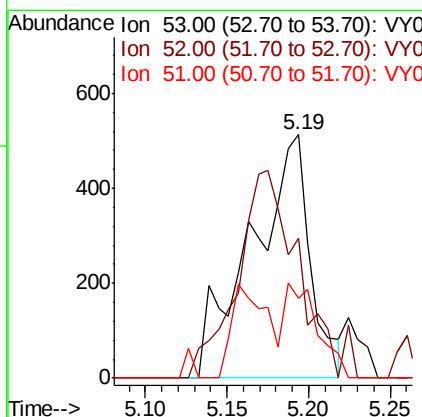
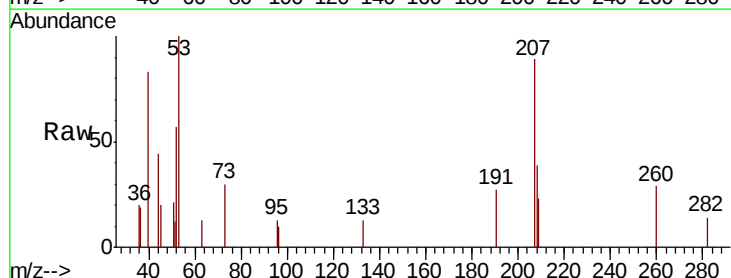
Instrument :
MSVOA_Y
ClientSampleId :
VY0727SBL01

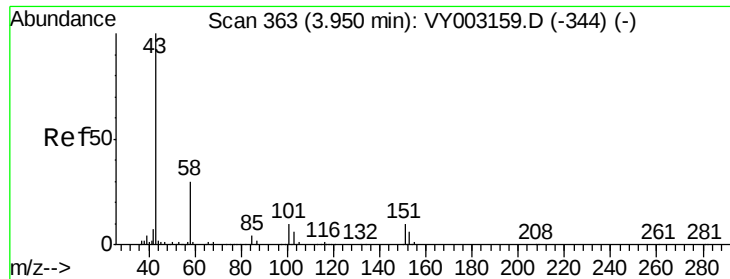
Tot Ion: 59 Resp: 2922
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#15
Acrylonitrile
Concen: 1.127 ug/l
RT: 5.19 min Scan# 567
Delta R.T. 0.02 min
Lab File: VY003353.D
Acq: 27 Jul 2020 13:36

Tgt Ion: 53 Resp: 1289
Ion Ratio Lower Upper
53 100
52 89.3 65.8 98.6
51 21.7 29.0 43.4#





#16

Acetone

Concen: 3.897 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

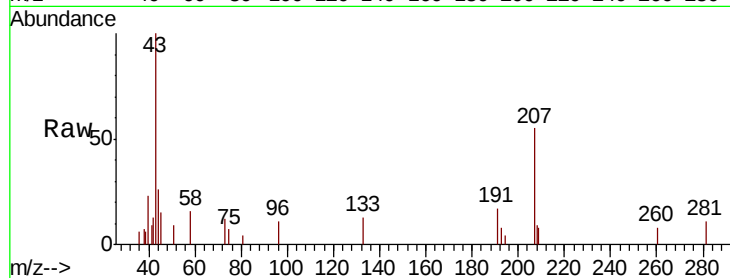
VY0727SBL01

Tot Ion: 43 Resp: 3583

Ion Ratio Lower Upper

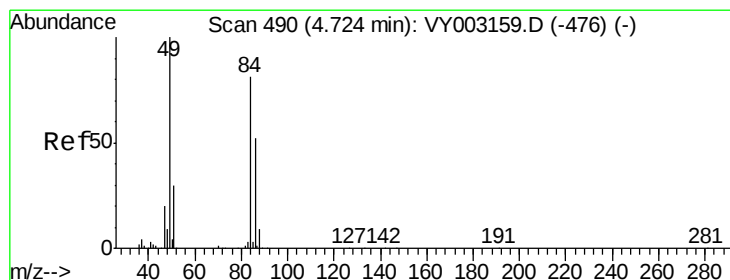
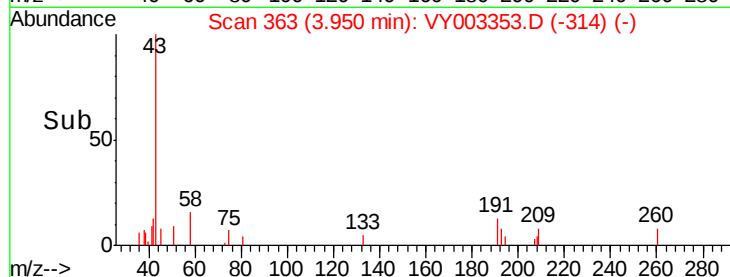
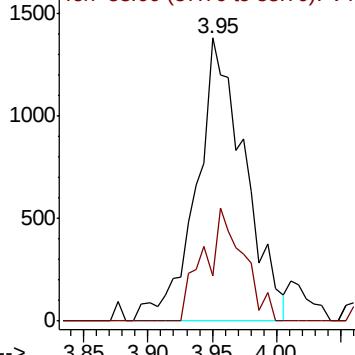
43 100

58 16.1 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: 4.616 ug/l

RT: 4.72 min Scan# 490

Delta R.T. 0.00 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

Tgt Ion: 84 Resp: 44429

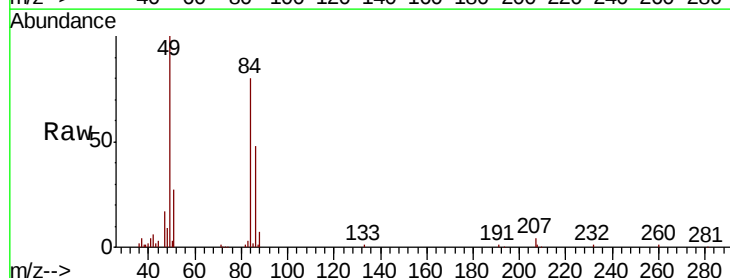
Ion Ratio Lower Upper

84 100

49 125.7 98.2 147.4

51 34.3 29.8 44.6

86 60.9 51.2 76.8

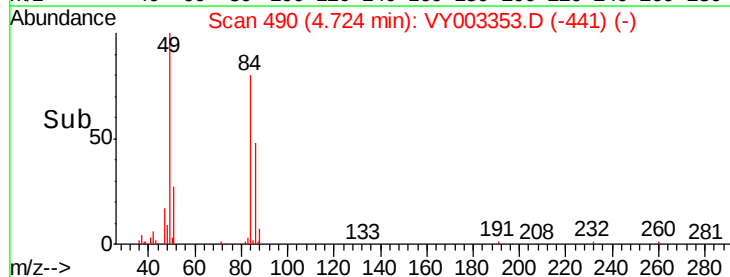
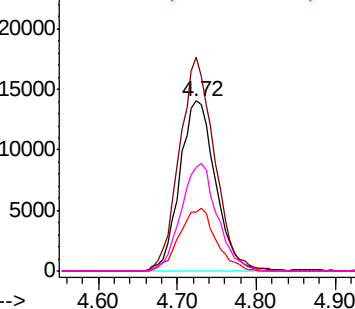


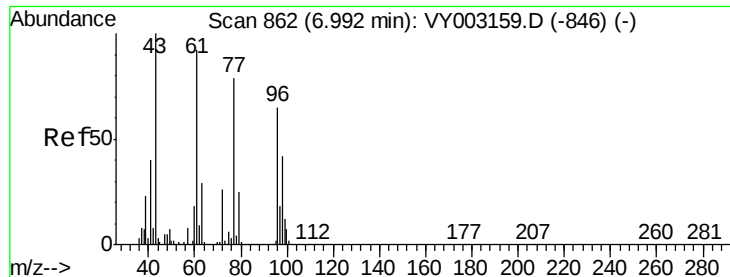
Abundance Ion 83.90 (83.60 to 84.60): VY0

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

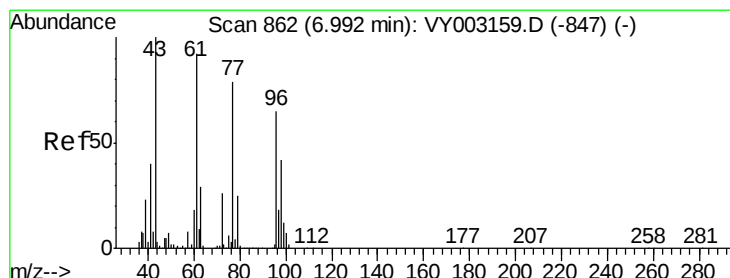
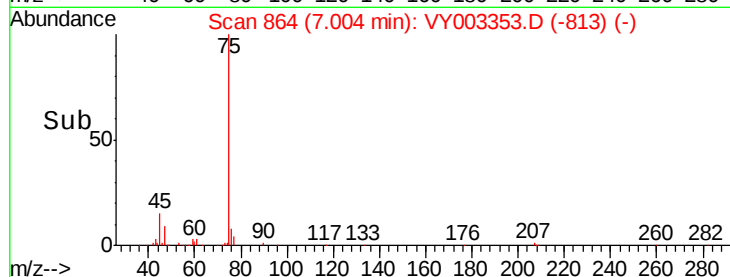
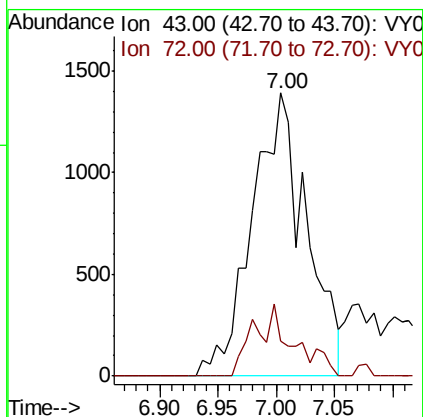
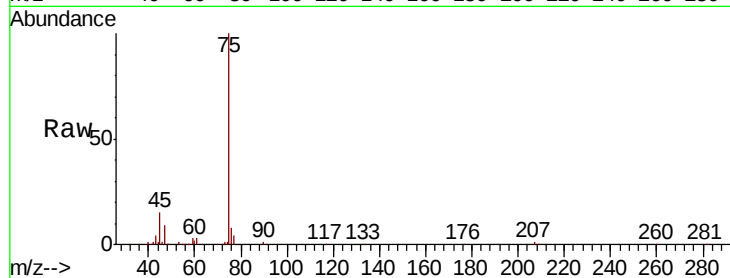




#25
 2-Butanone
 Concen: 2.964 ug/l
 RT: 7.00 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VY003353.D
 Acq: 27 Jul 2020 13:36

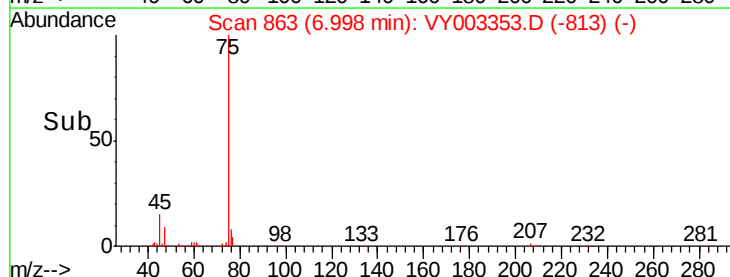
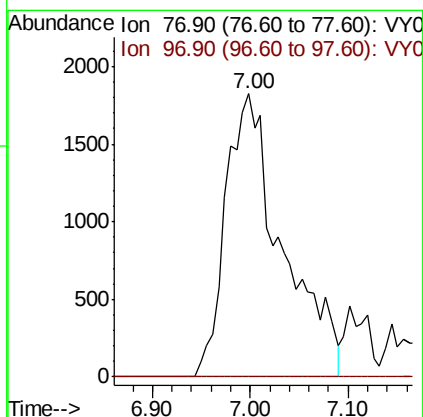
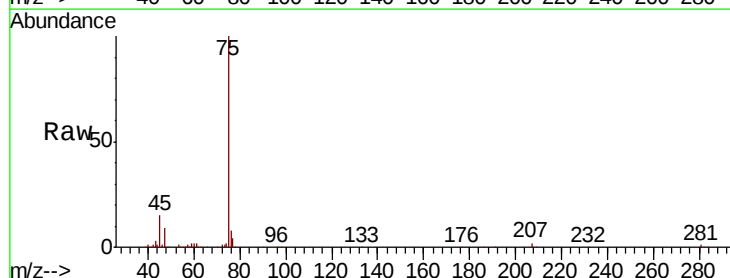
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0727SBL01

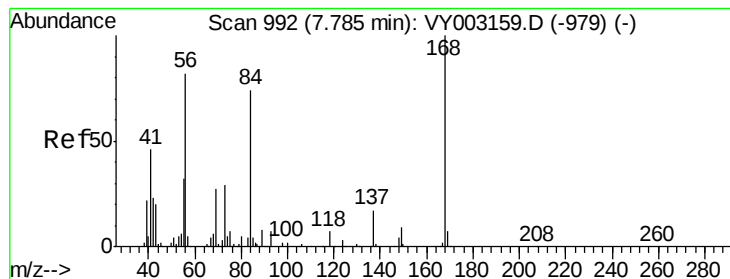
Tot Ion: 43 Resp: 4475
 Ion Ratio Lower Upper
 43 100
 72 12.4 20.9 31.3#



#26
 2,2-Dichloropropane
 Concen: 1.052 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VY003353.D
 Acq: 27 Jul 2020 13:36

Tgt Ion: 77 Resp: 7334
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.6 34.7#





#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0727SBL01

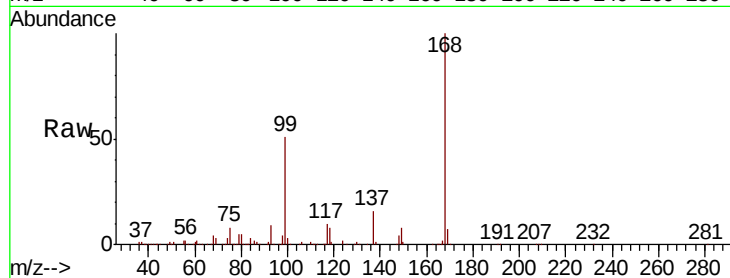
Tot Ion: 56 Resp: 8748

Ion Ratio Lower Upper

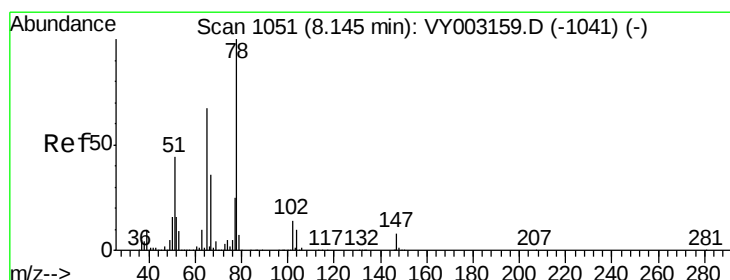
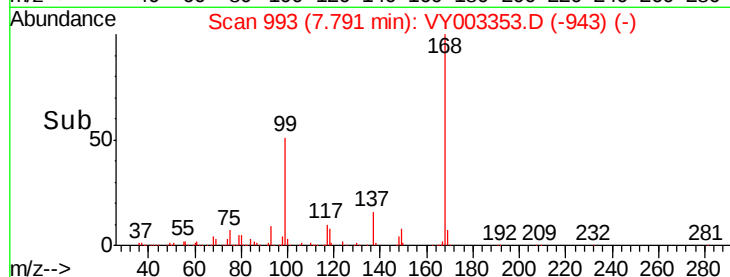
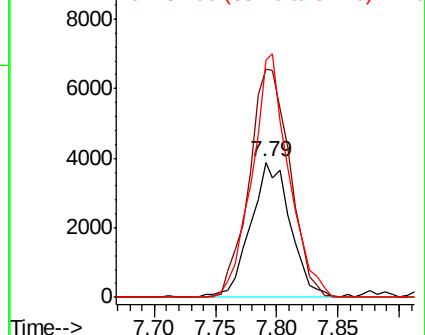
56 100

69 168.7 26.7 40.1#

84 175.5 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: 57.512 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VY003353.D

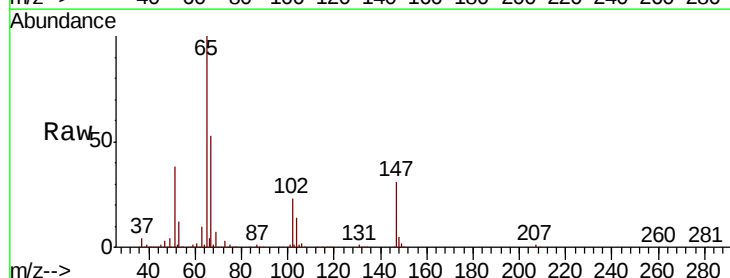
Acq: 27 Jul 2020 13:36

Tgt Ion: 65 Resp: 236739

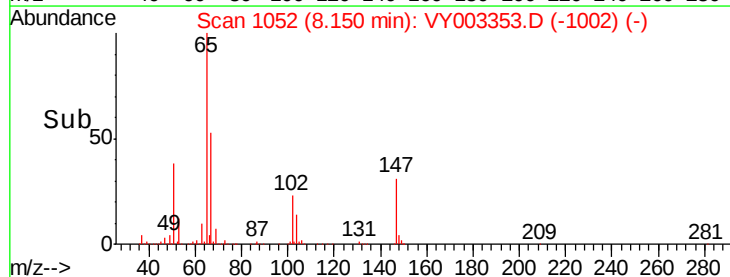
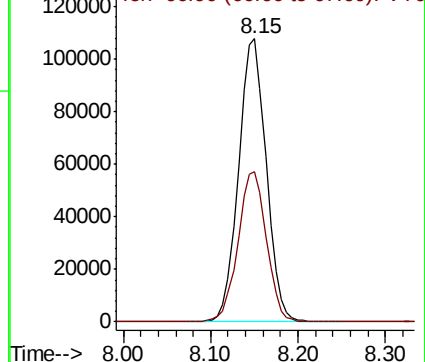
Ion Ratio Lower Upper

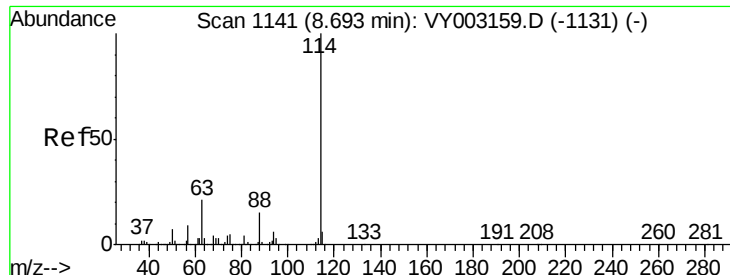
65 100

67 54.7 0.0 105.2



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

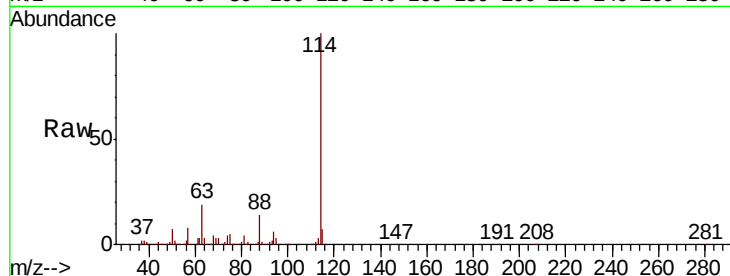




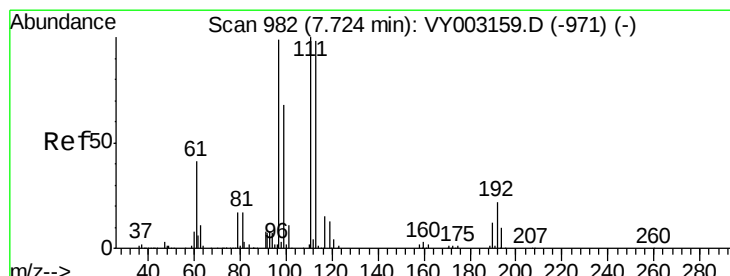
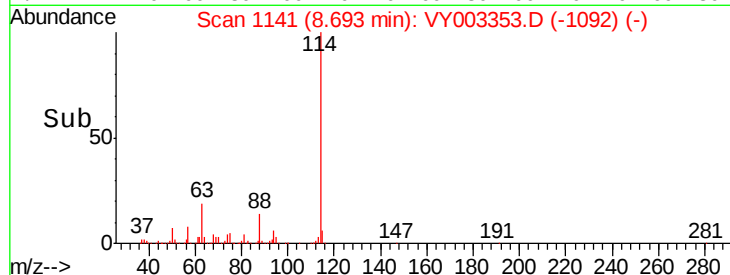
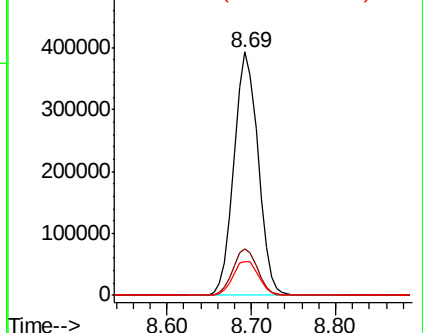
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003353.D
 Acq: 27 Jul 2020 13:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0727SBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.2
88	14.0	0.0	30.2

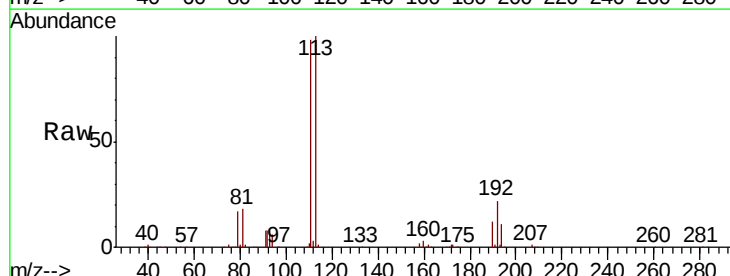


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VY0
 Ion 87.90 (87.60 to 88.60): VY0

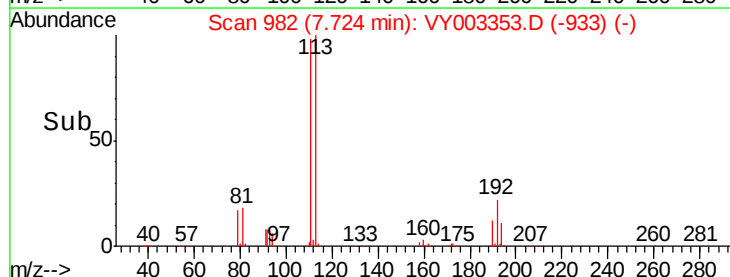
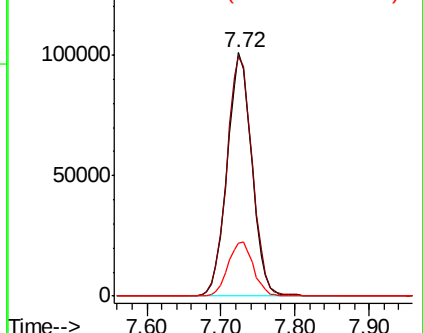


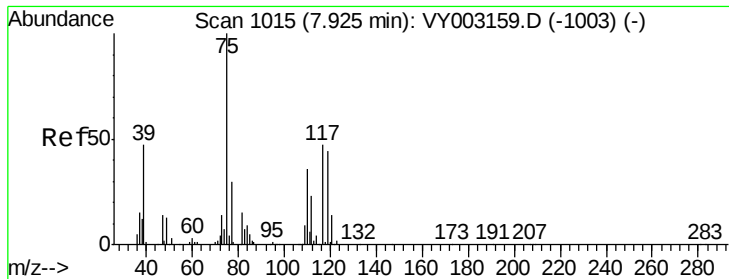
#35
 Dibromofluoromethane
 Concen: 53.591 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003353.D
 Acq: 27 Jul 2020 13:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.1	123.1
192	22.7	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: 4.956 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0727SBL01

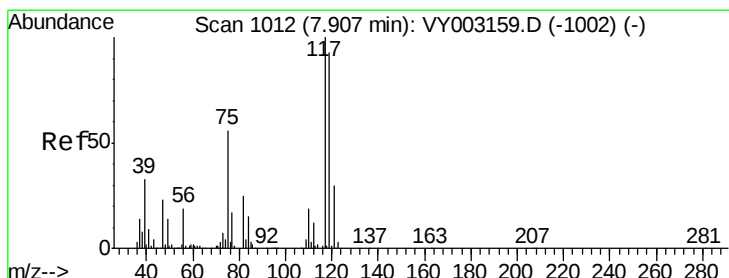
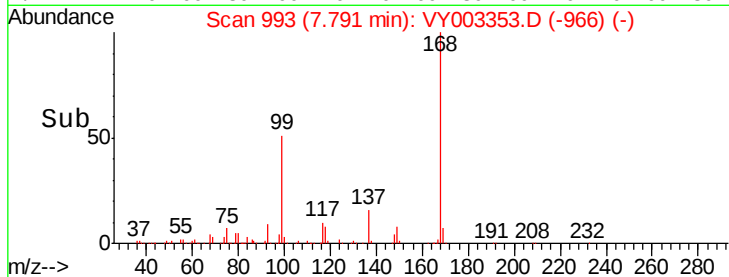
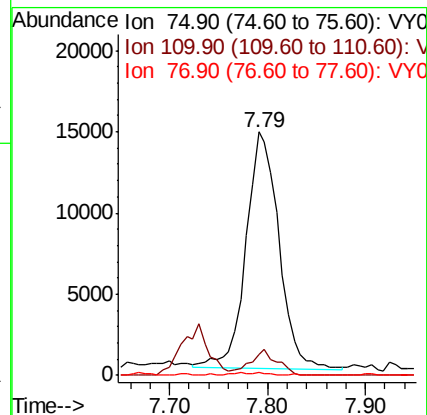
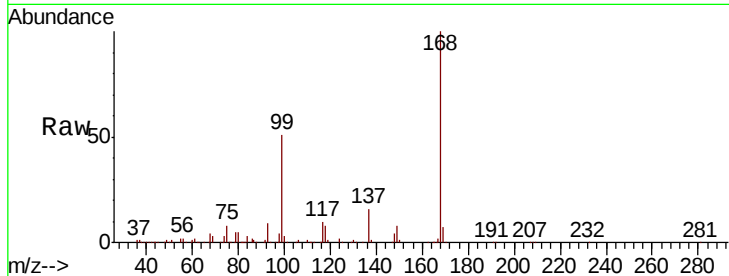
Tot Ion: 75 Resp: 34126

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.274 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

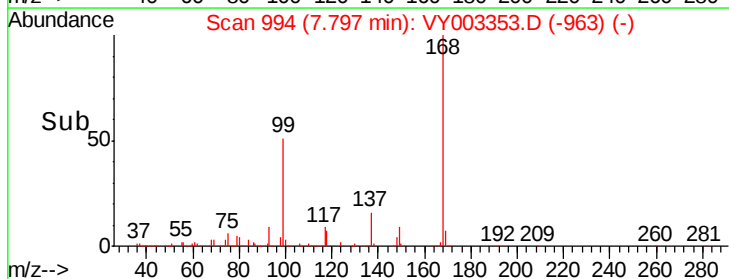
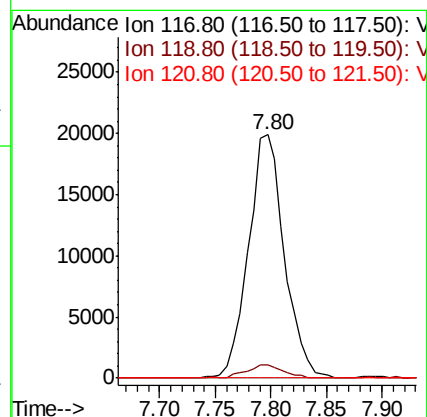
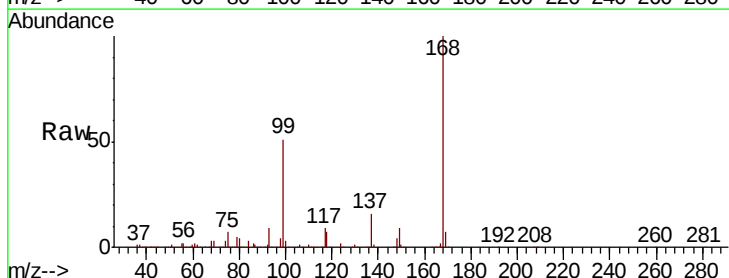
Tgt Ion: 117 Resp: 44599

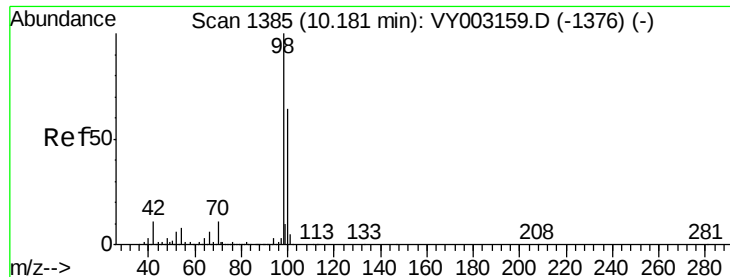
Ion Ratio Lower Upper

117 100

119 5.3 74.5 111.7#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 56.518 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

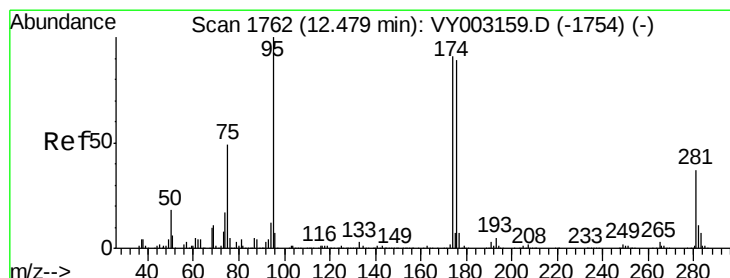
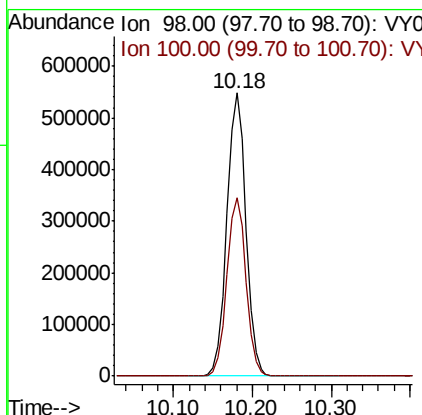
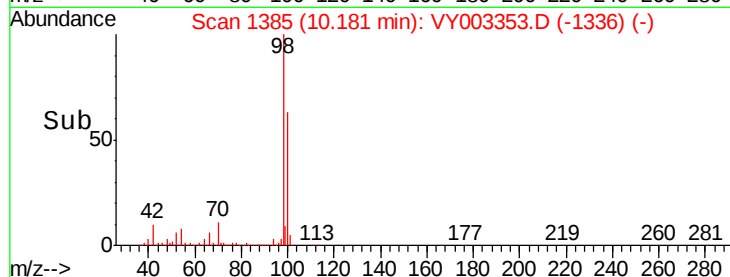
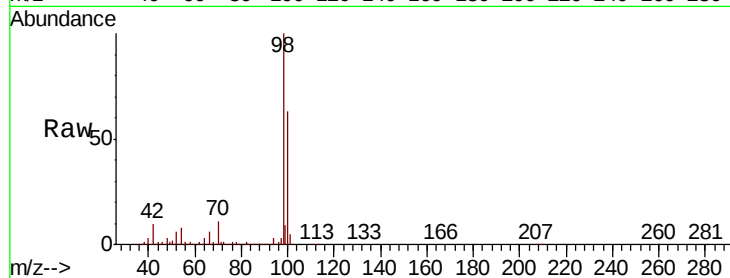
VY0727SBL01

Tot Ion: 98 Resp: 918753

Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 51.699 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

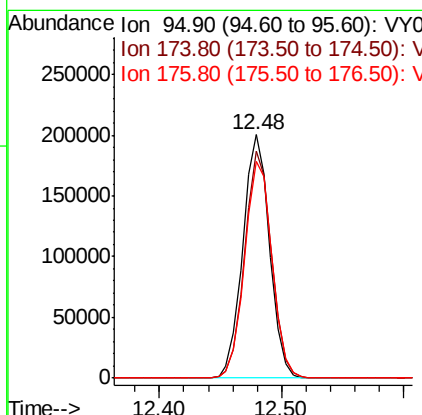
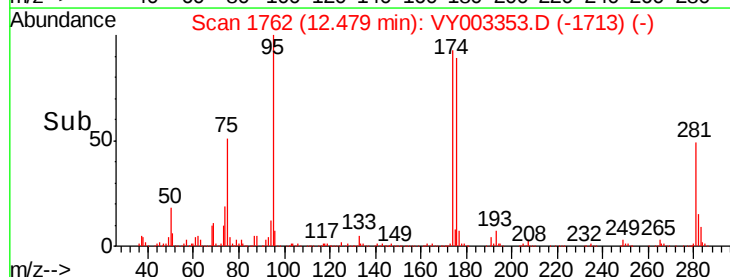
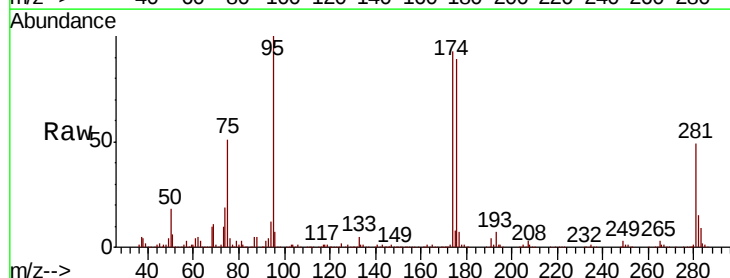
Tgt Ion: 95 Resp: 303609

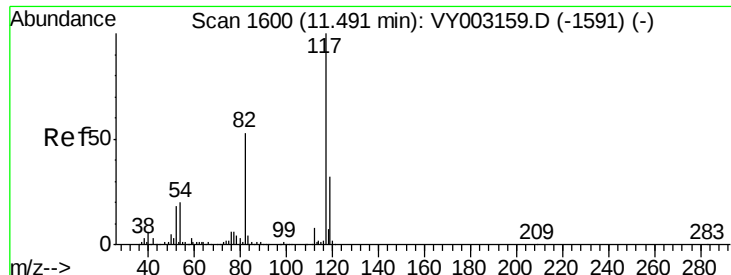
Ion Ratio Lower Upper

95 100

174 93.6 0.0 190.6

176 91.5 0.0 186.4

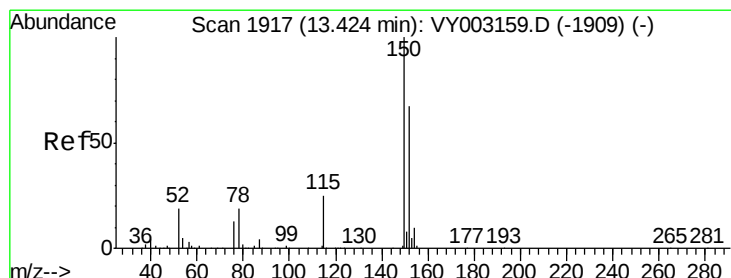
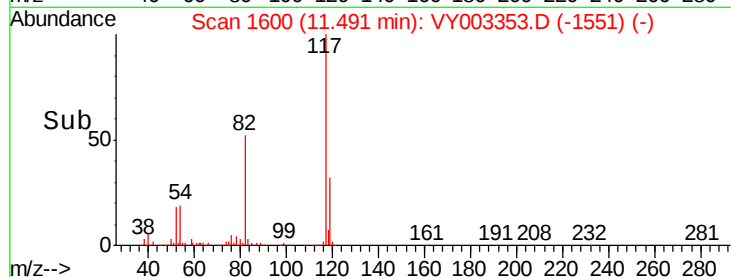
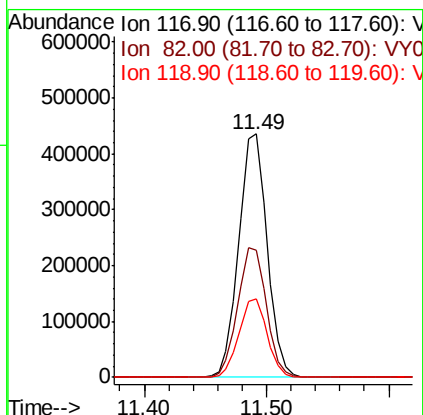
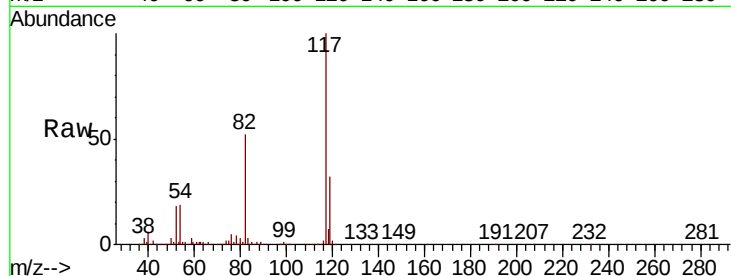




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003353.D
Acq: 27 Jul 2020 13:36

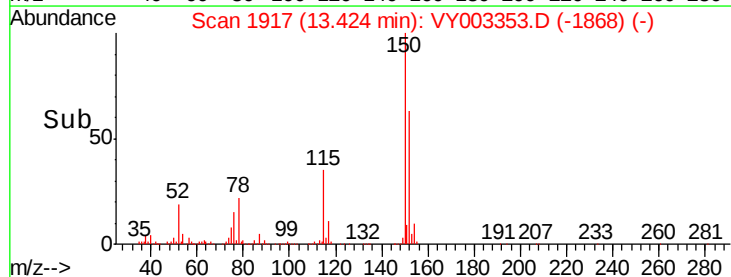
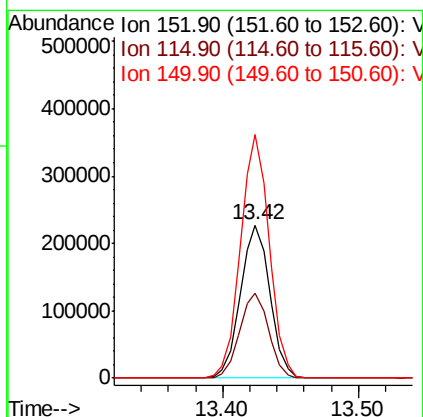
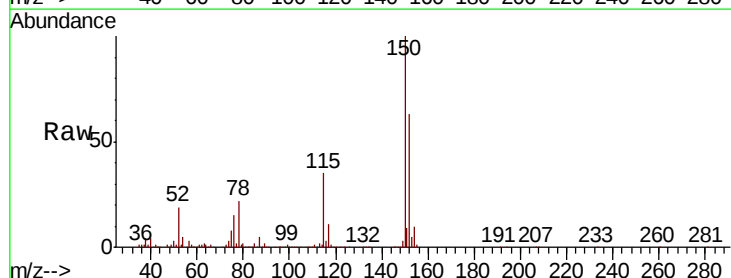
Instrument :
MSVOA_Y
ClientSampleId :
VY0727SBL01

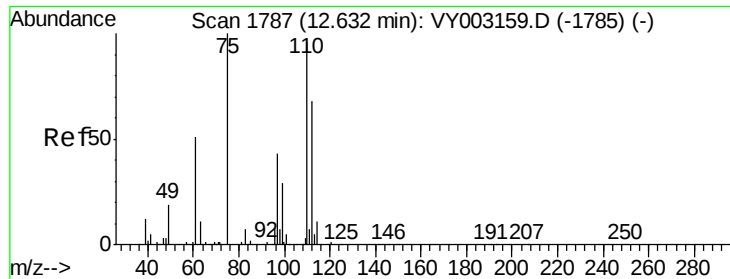
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.0	63.0
119	32.3	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003353.D
Acq: 27 Jul 2020 13:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	26.9	80.7
150	155.5	0.0	338.0





#76

1,2,3-Trichloropropane

Concen: 52.255 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

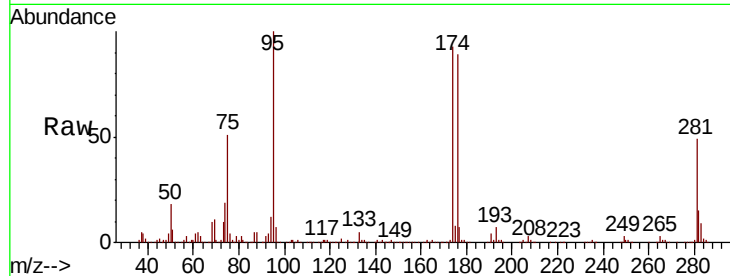
VY0727SBL01

Tot Ion: 75 Resp: 158292

Ion Ratio Lower Upper

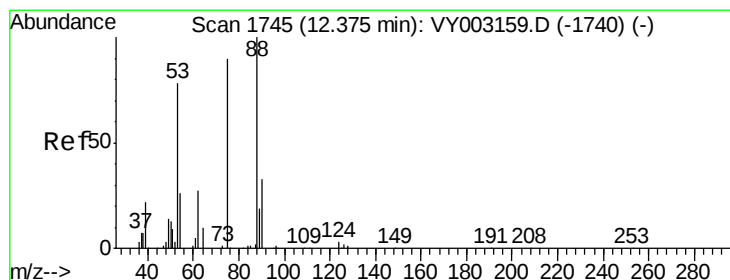
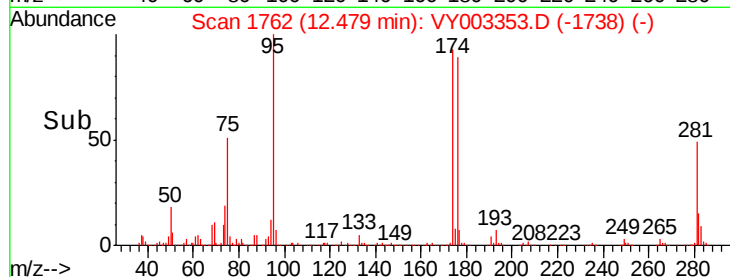
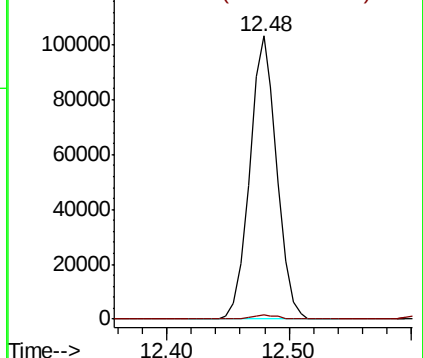
75 100

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: 101.699 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

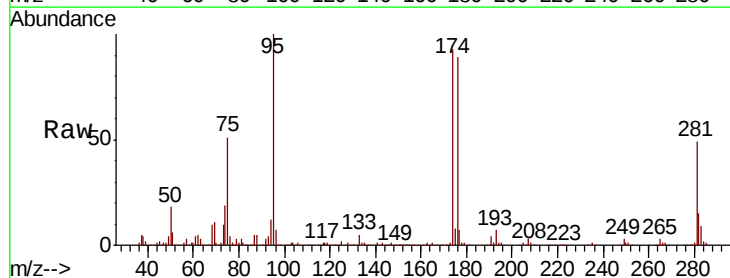
Tgt Ion: 75 Resp: 158292

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

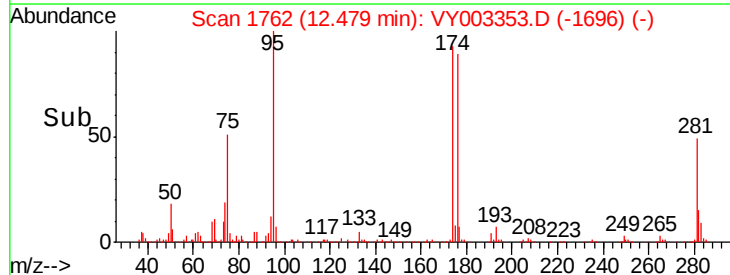
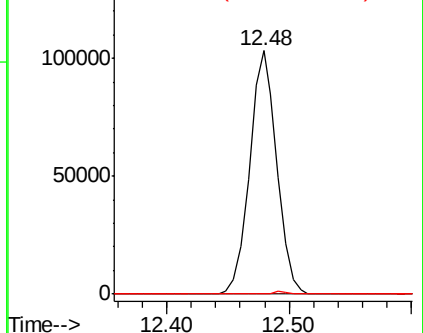
89 0.6 37.3 55.9#

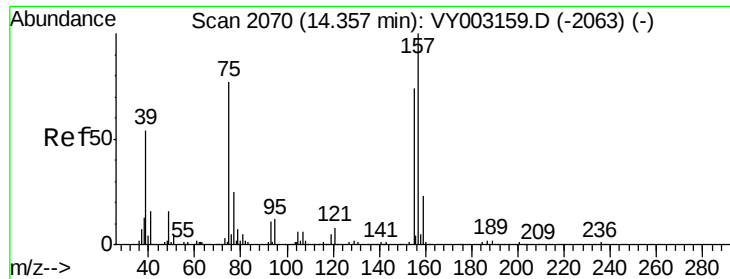


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.623 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

Instrument :

MSVOA_Y

ClientSampleId :

VY0727SBL01

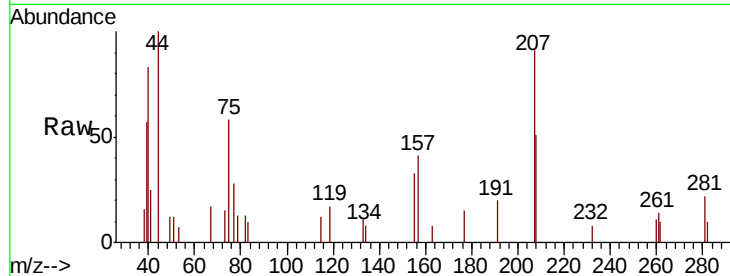
Tot Ion: 75 Resp: 1108

Ion Ratio Lower Upper

75 100

155 71.1 48.1 144.3

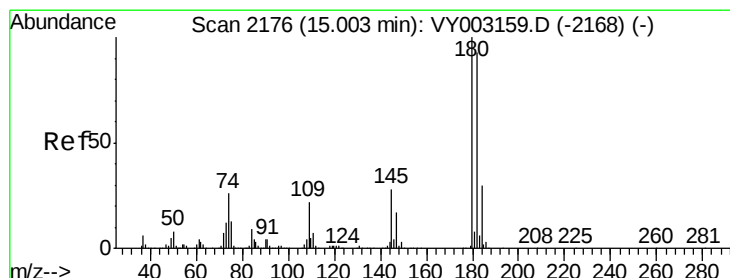
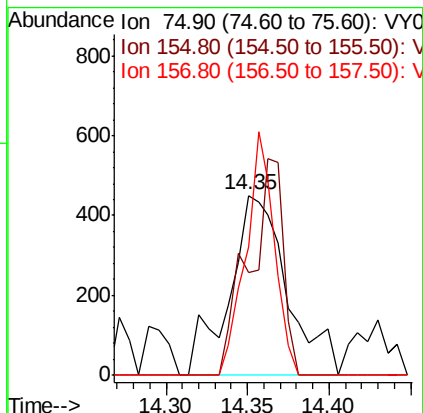
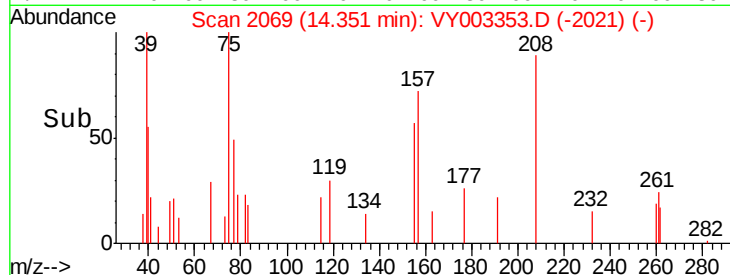
157 67.1 61.9 185.6



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



#93

1,2,4-Trichlorobenzene

Concen: 1.460 ug/l

RT: 15.01 min Scan# 2177

Delta R.T. 0.01 min

Lab File: VY003353.D

Acq: 27 Jul 2020 13:36

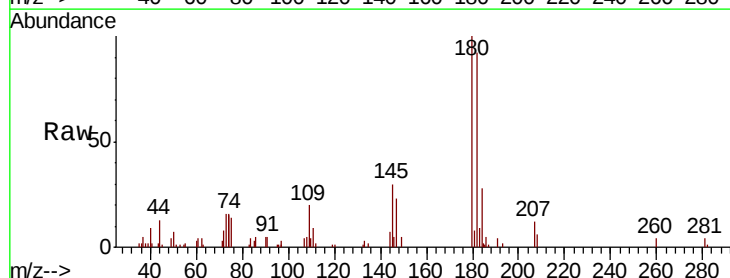
Tgt Ion:180 Resp: 9584

Ion Ratio Lower Upper

180 100

182 95.0 47.3 142.0

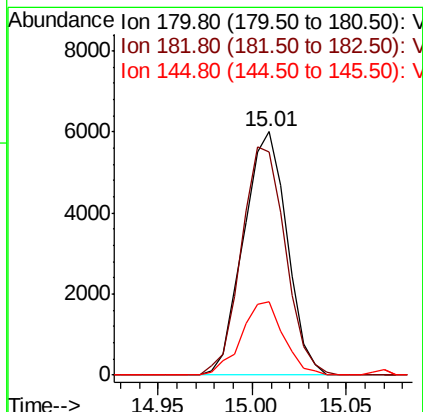
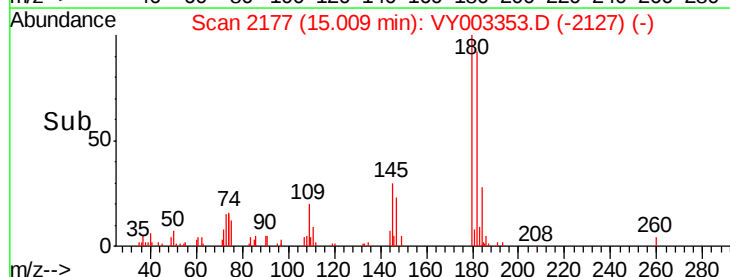
145 29.5 13.7 41.1

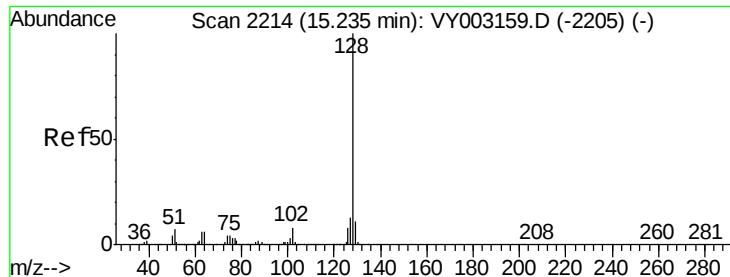


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

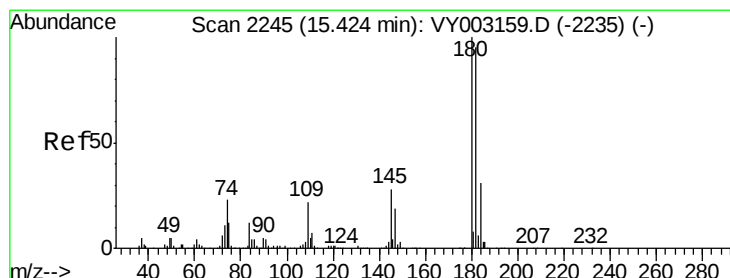
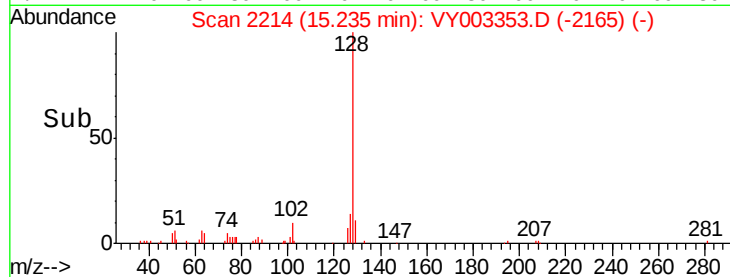
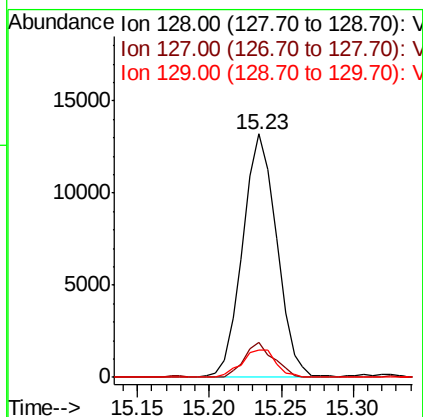
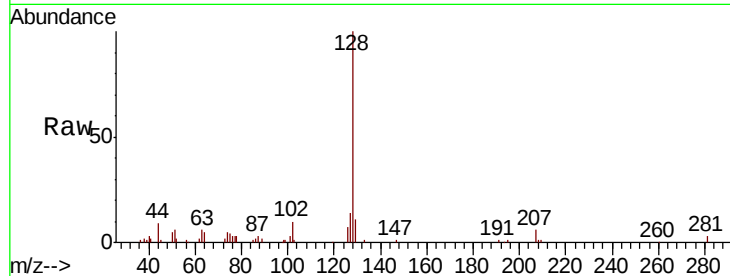




#95
Naphthalene
Concen: 2.002 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003353.D
Acq: 27 Jul 2020 13:36

Instrument :
MSVOA_Y
ClientSampleId :
VY0727SBL01

Tot Ion:128	Resp:	21715	
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.9	16.3
129	11.3	9.0	13.6



#96
1,2,3-Trichlorobenzene
Concen: 2.272 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY003353.D
Acq: 27 Jul 2020 13:36

Tgt Ion:180	Resp:	11788
Ion Ratio	Lower	Upper
180 100		
182 91.1	48.8	146.3
145 31.0	14.9	44.5

