

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY071320\
 Data File : VY003181.D
 Acq On : 13 Jul 2020 13:04
 Operator : SY/MD
 Sample : L3276-02
 Misc : 5.01G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jul 14 03:56:19 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	440000	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	656020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	585065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	278824	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	223704	60.24	ug/l	0.00
Spiked Amount			Recovery	=	120.48%	
35) Dibromofluoromethane	7.72	113	204163	54.08	ug/l	0.00
Spiked Amount			Recovery	=	108.16%	
50) Toluene-d8	10.18	98	778053	55.43	ug/l	0.00
Spiked Amount			Recovery	=	110.86%	
62) 4-Bromofluorobenzene	12.48	95	253962	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	

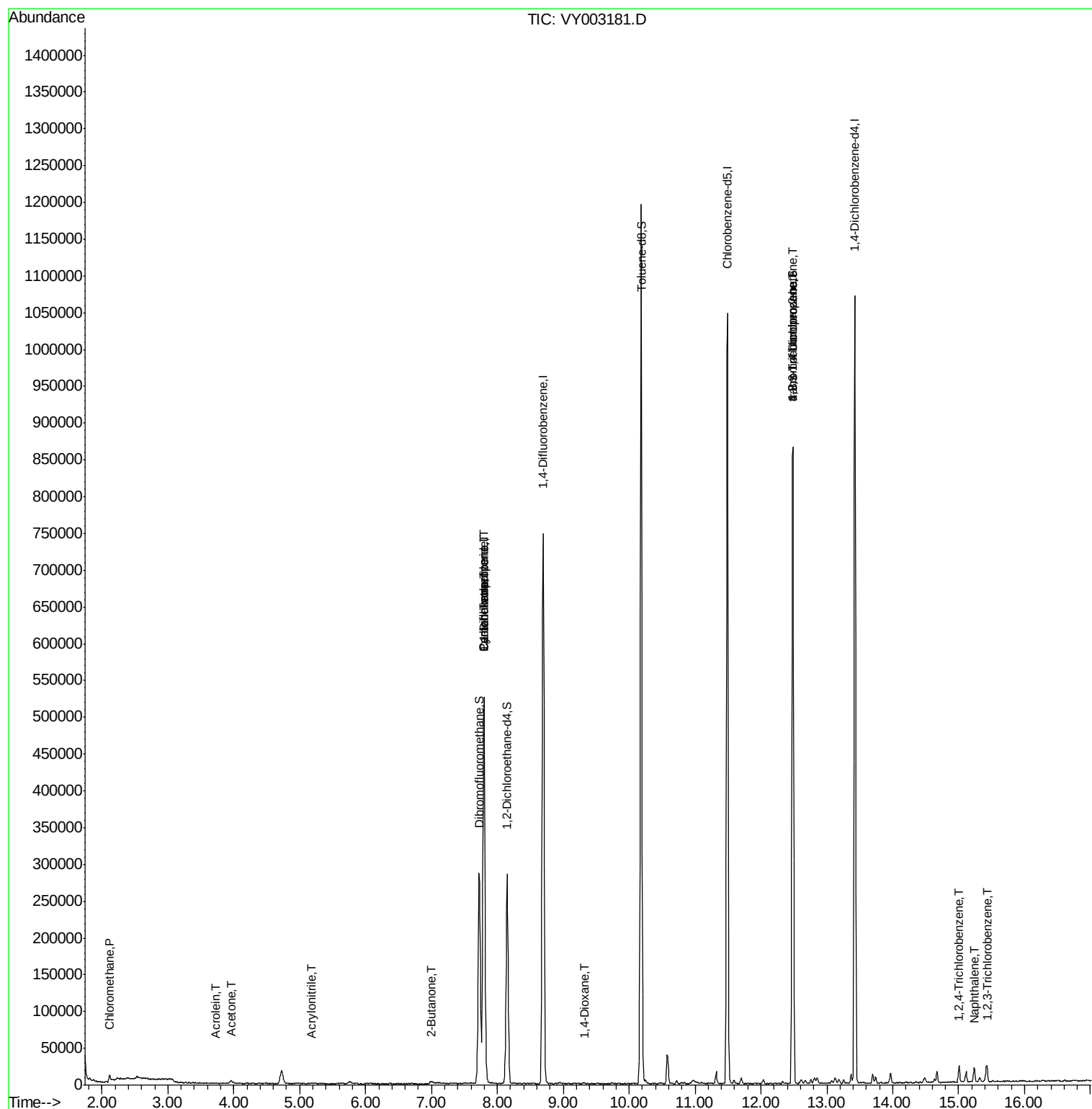
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.12	50	6190	1.415	ug/l	97
13) Acrolein	3.72	56	498	1.429	ug/l #	34
15) Acrylonitrile	5.18	53	1243	1.205	ug/l #	24
16) Acetone	3.96	43	7815	9.421	ug/l #	82
20) Methylene Chloride	4.74	84	13465	Below Cal	#	80
25) 2-Butanone	7.00	43	2900	2.129	ug/l #	77
31) Cyclohexane	7.80	56	7875	1.166	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	28035	4.715	ug/l #	51
38) Carbon Tetrachloride	7.80	117	40185	6.547	ug/l #	16
49) 1,4-Dioxane	9.31	88	111	3.535	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	126170	51.121	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	126170	99.491	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.01	180	6921	1.294	ug/l	98
95) Naphthalene	15.23	128	14437	1.634	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	7677	1.816	ug/l	97

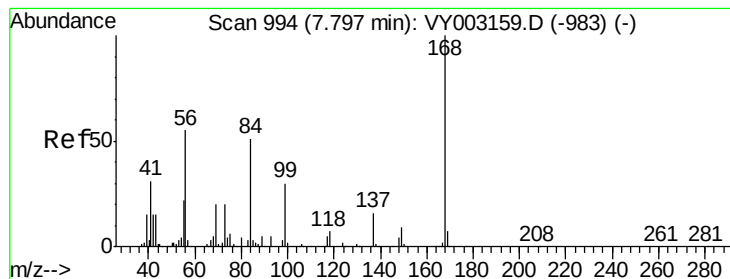
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003181.D

Acq: 13 Jul 2020 13:04

Instrument :

MSVOA_Y

ClientSampled :

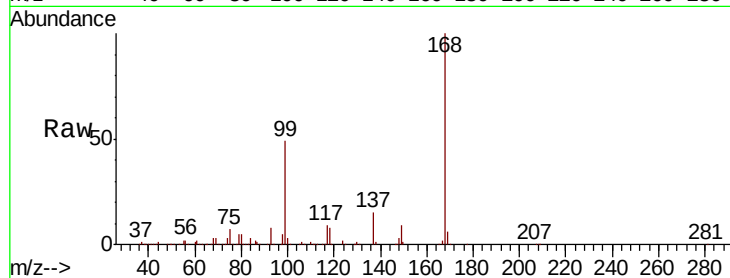
VOC

Tot Ion:168 Resp: 440000

Ion Ratio Lower Upper

168 100

99 49.0 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

200000

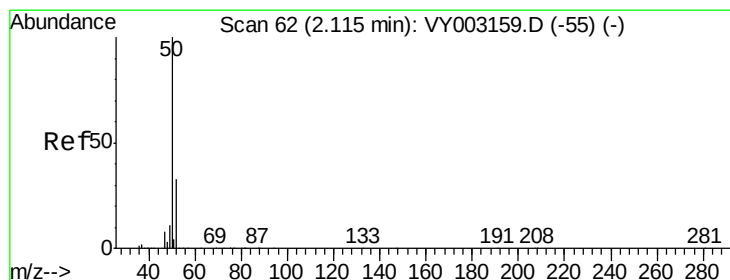
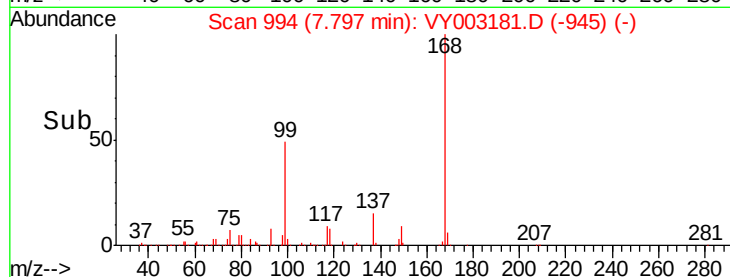
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.415 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY003181.D

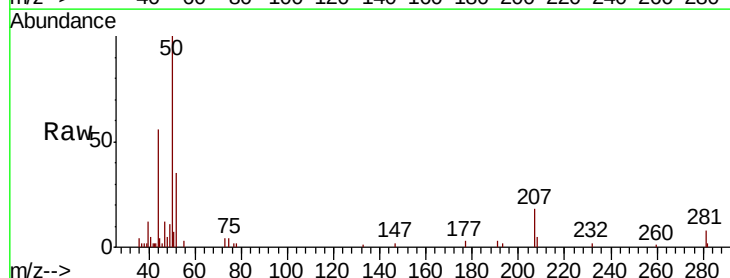
Acq: 13 Jul 2020 13:04

Tgt Ion: 50 Resp: 6190

Ion Ratio Lower Upper

50 100

52 35.0 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VY003159.D (-55) (-)

Ion 51.90 (51.60 to 52.60): VY003159.D (-55) (-)

2.12

5000

4000

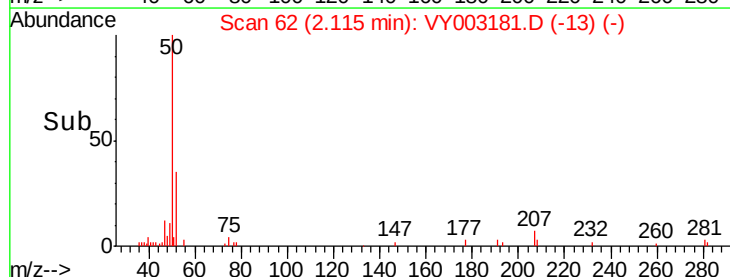
3000

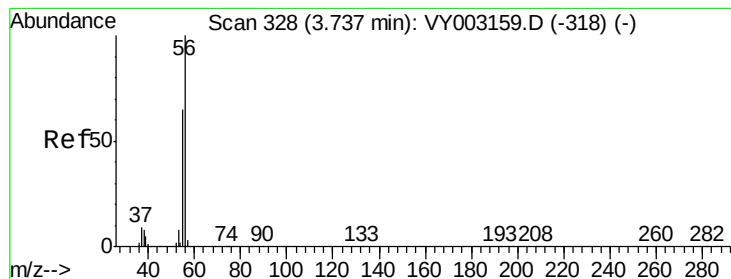
2000

1000

0

Time-->





#13

Acrolein

Concen: 1.429 ug/l

RT: 3.72 min Scan# 326

Delta R.T. -0.01 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

Instrument :

MSVOA_Y

ClientSampled :

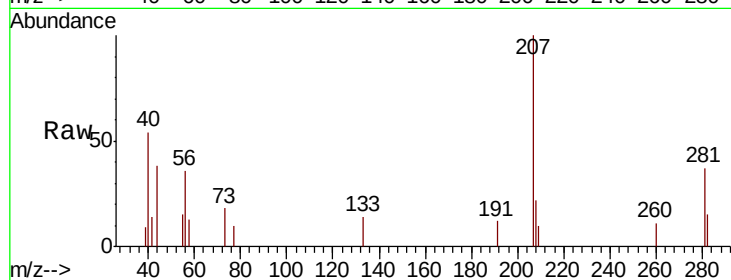
VOC

Tot Ion: 56 Resp: 498

Ion Ratio Lower Upper

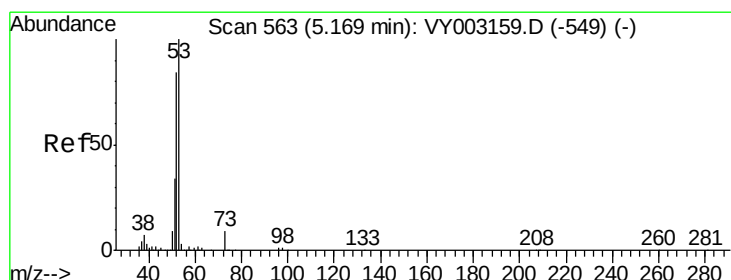
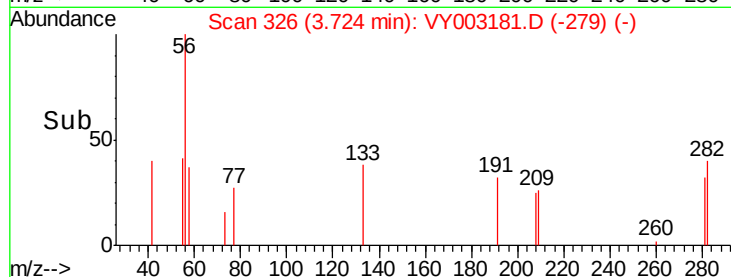
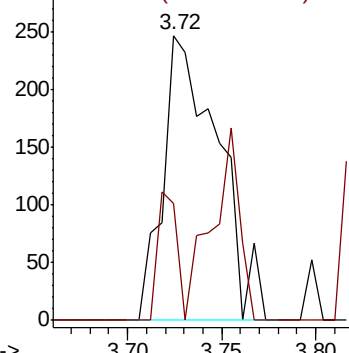
56 100

55 15.7 56.0 84.0#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#15

Acrylonitrile

Concen: 1.205 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.01 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

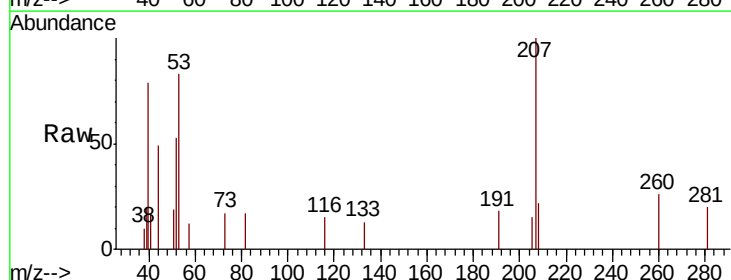
Tgt Ion: 53 Resp: 1243

Ion Ratio Lower Upper

53 100

52 0.0 65.8 98.6#

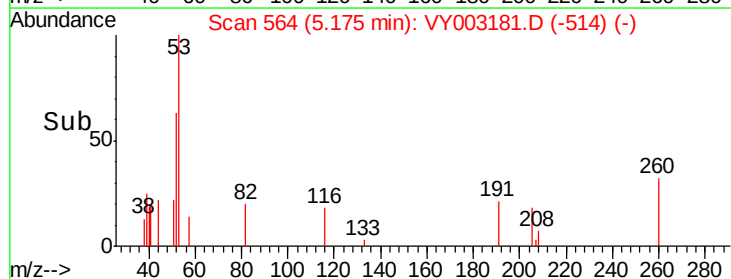
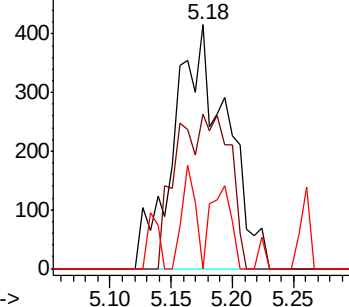
51 13.2 29.0 43.4#

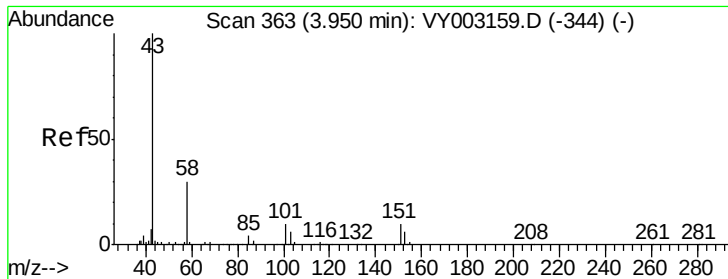


Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0

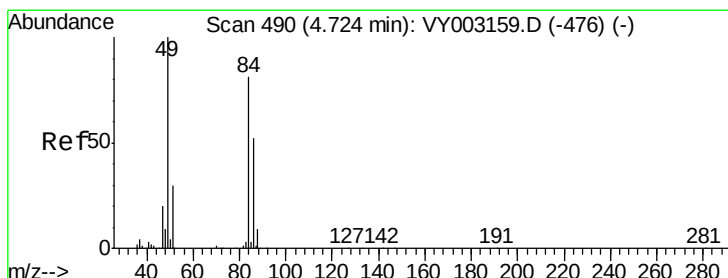
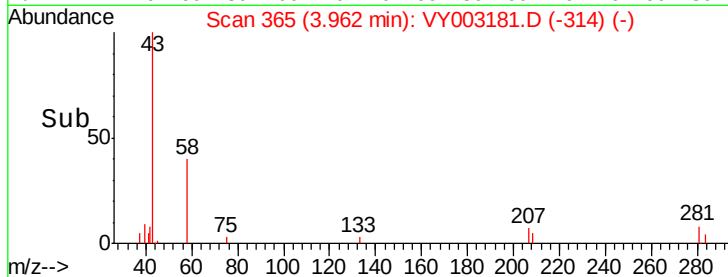
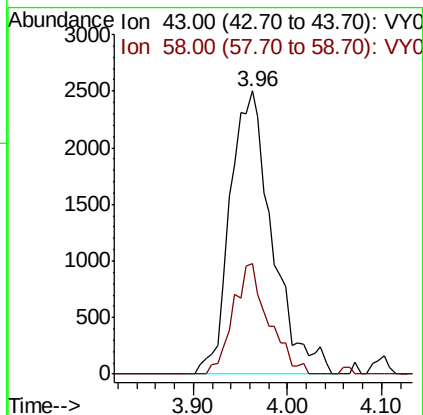
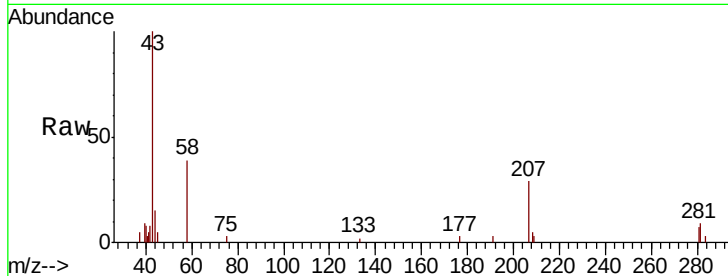




#16
Acetone
Concen: 9.421 ug/l
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VY003181.D
Acq: 13 Jul 2020 13:04

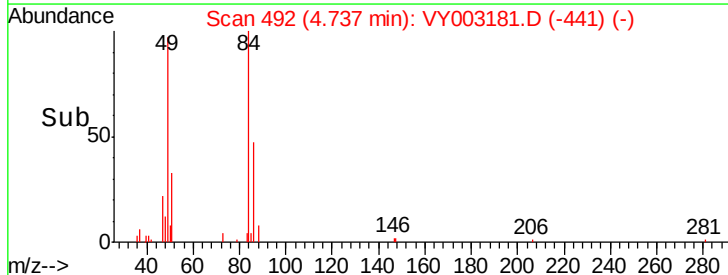
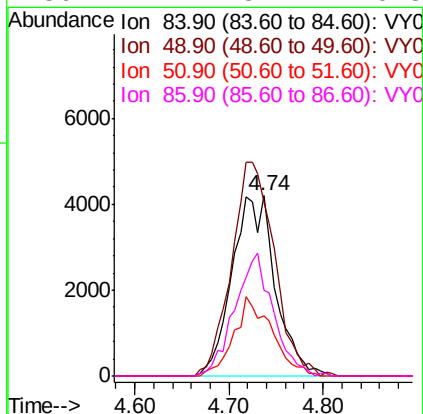
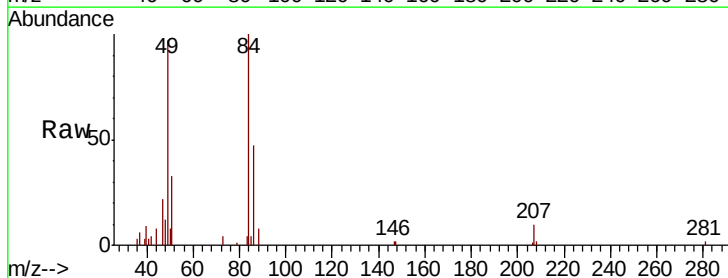
Instrument :
MSVOA_Y
ClientSampleId :
VOC

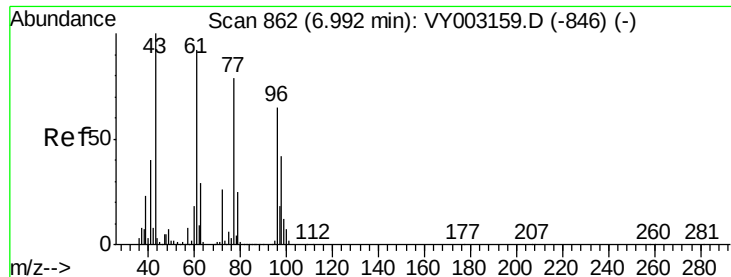
Tot Ion: 43 Resp: 7815
Ion Ratio Lower Upper
43 100
58 39.2 23.8 35.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. 0.01 min
Lab File: VY003181.D
Acq: 13 Jul 2020 13:04

Tgt Ion: 84 Resp: 13465
Ion Ratio Lower Upper
84 100
49 96.5 98.2 147.4#
51 33.4 29.8 44.6
86 47.2 51.2 76.8#





#25

2-Butanone

Concen: 2.129 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

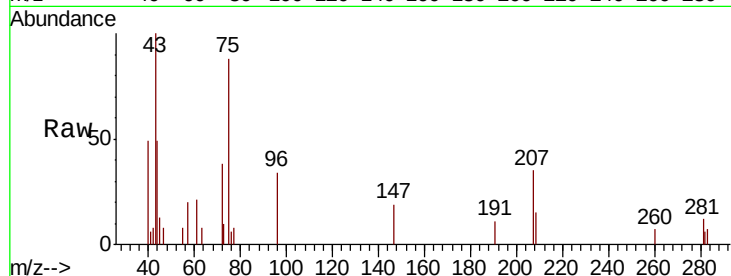
Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tot Ion: 43 Resp: 2900

Ion Ratio Lower Upper

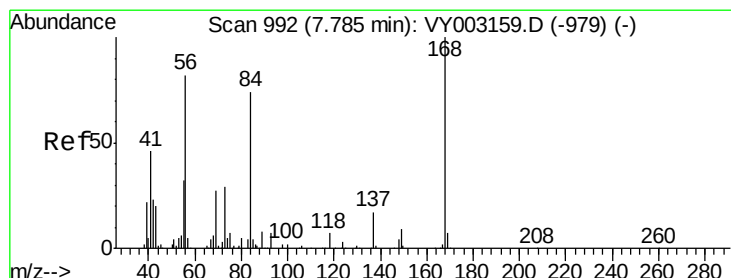
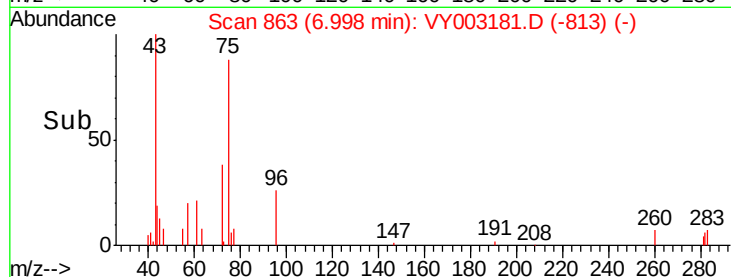
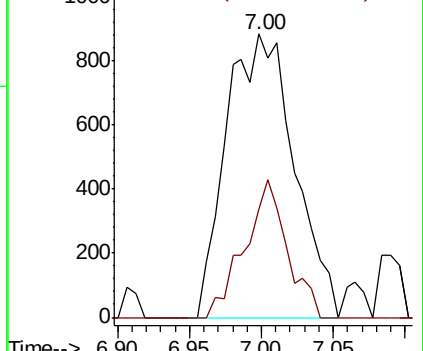
43 100

72 38.1 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: 1.166 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.01 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

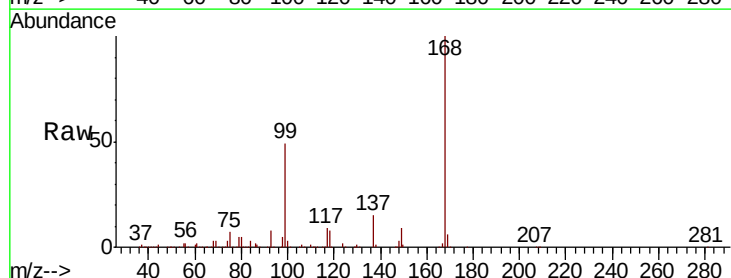
Tgt Ion: 56 Resp: 7875

Ion Ratio Lower Upper

56 100

69 151.3 26.7 40.1#

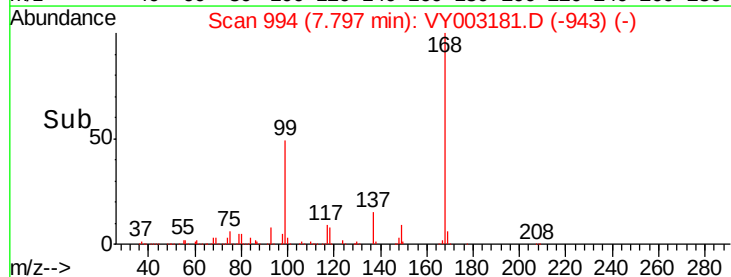
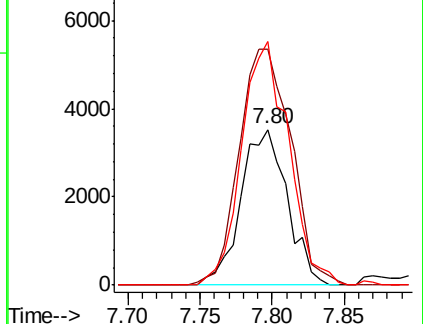
84 156.3 72.3 108.5#

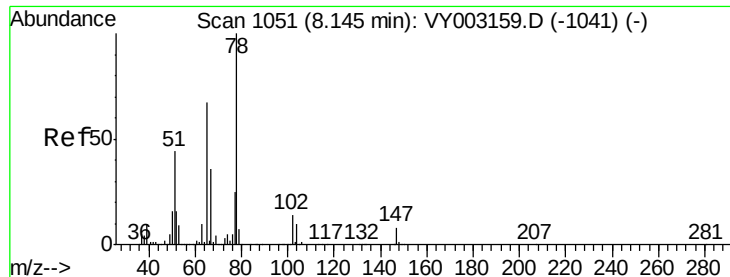


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

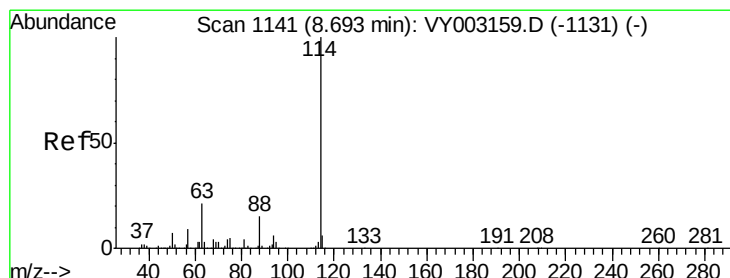
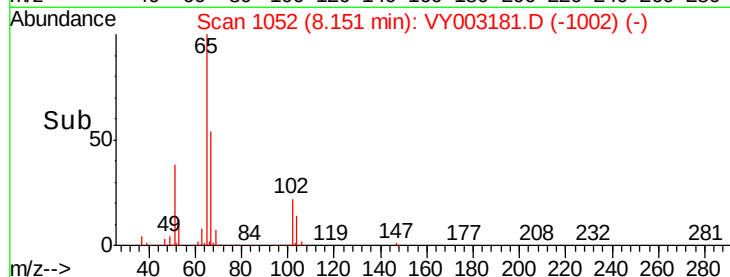
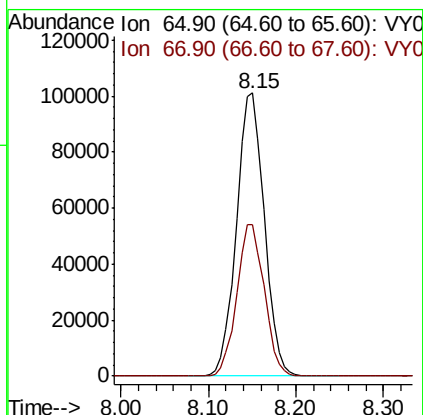
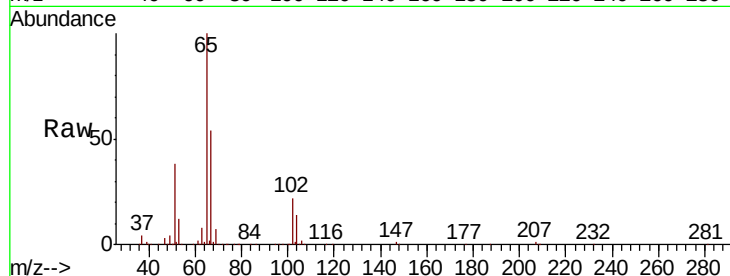




#33
 1,2-Dichloroethane-d4
 Concen: 60.237 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VY003181.D
 Acq: 13 Jul 2020 13:04

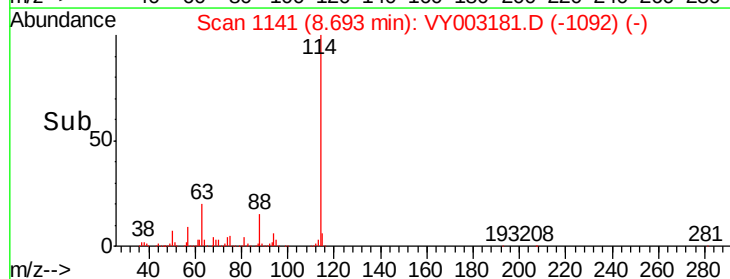
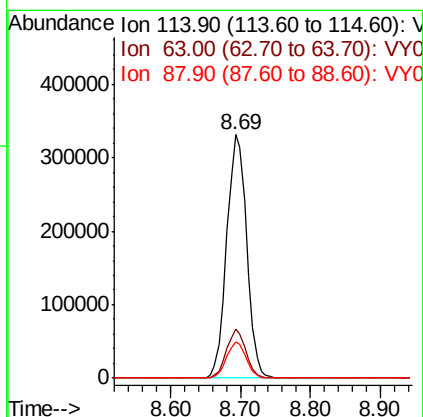
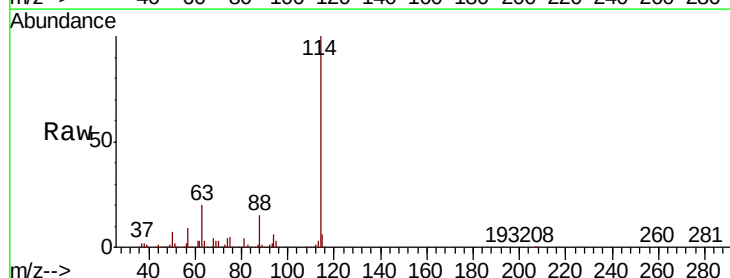
Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

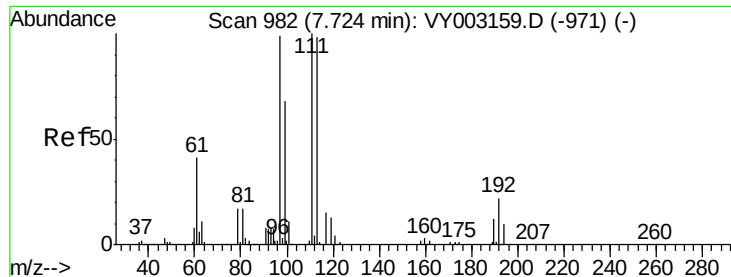
Tot Ion: 65 Resp: 223704
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003181.D
 Acq: 13 Jul 2020 13:04

Tgt Ion: 114 Resp: 656020
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.2
 88 14.8 0.0 30.2

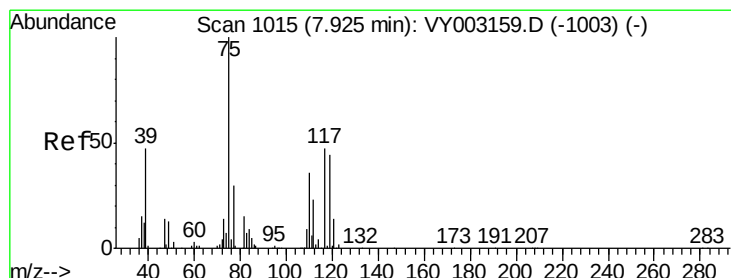
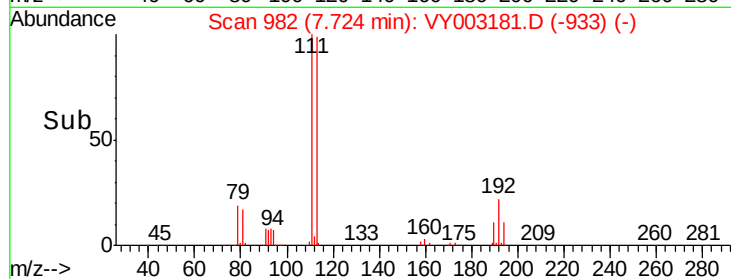
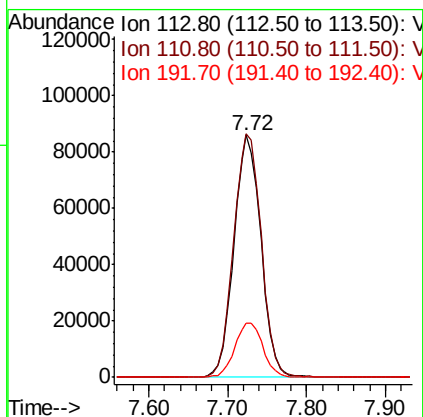
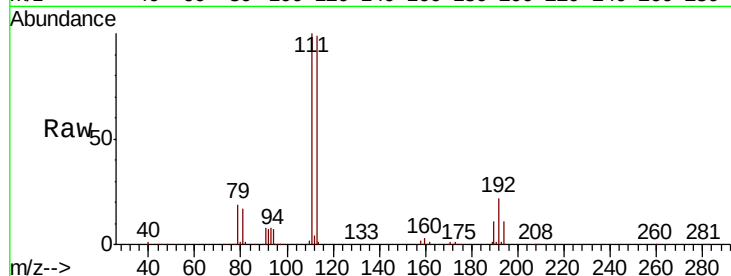




#35
 Dibromofluoromethane
 Concen: 54.080 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003181.D
 Acq: 13 Jul 2020 13:04

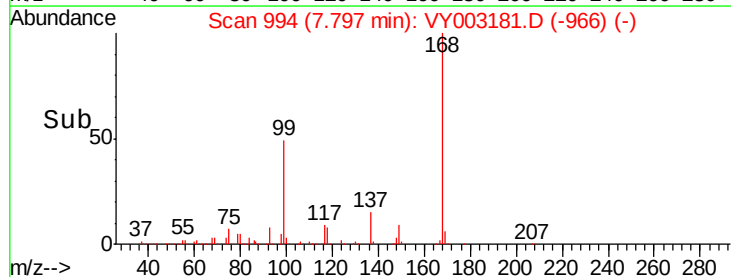
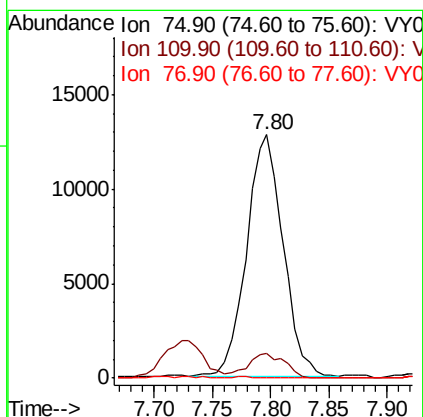
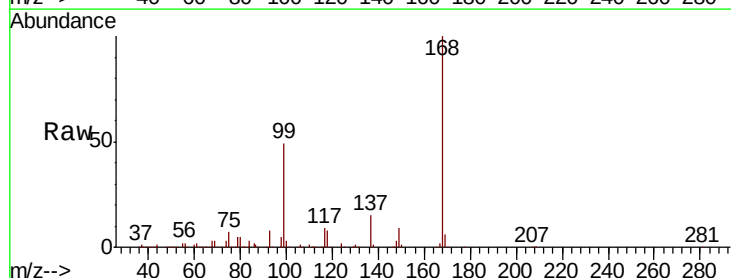
Instrument :
 MSVOA_Y
 ClientSampled :
 VOC

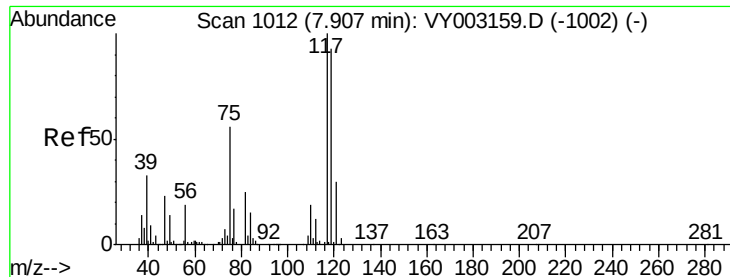
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.1	123.1
192	23.3	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.715 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003181.D
 Acq: 13 Jul 2020 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.1	54.1#
77	0.3	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.547 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

Instrument :

MSVOA_Y

ClientSampled :

VOC

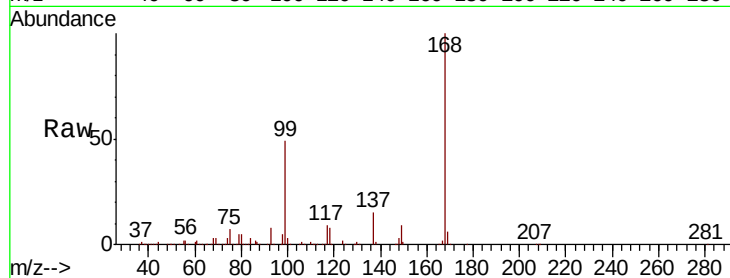
Tot Ion:117 Resp: 40185

Ion Ratio Lower Upper

117 100

119 4.1 74.5 111.7#

121 0.0 24.2 36.2#

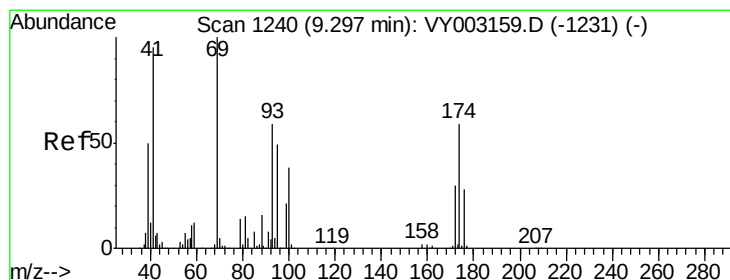
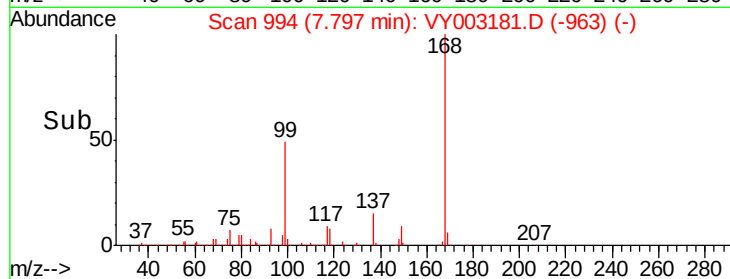
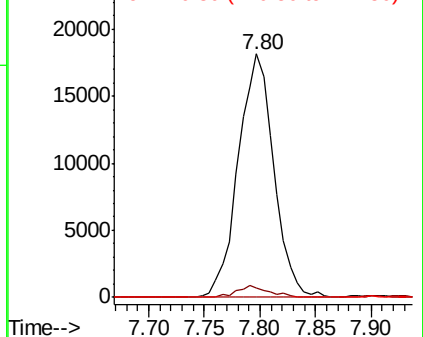


Abundance

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: 3.535 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

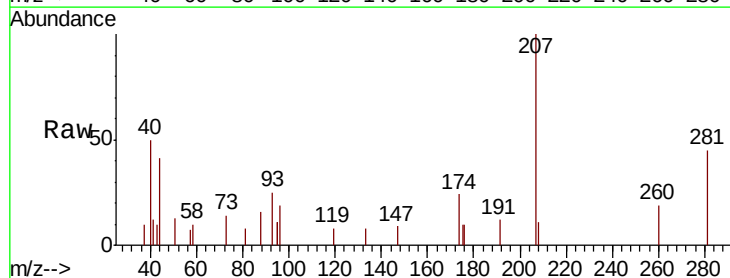
Tgt Ion: 88 Resp: 111

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

58 183.8 47.8 71.6#

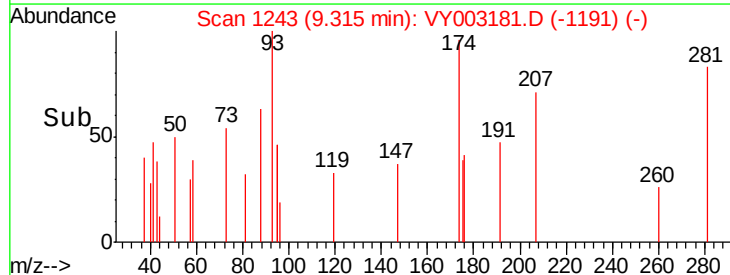
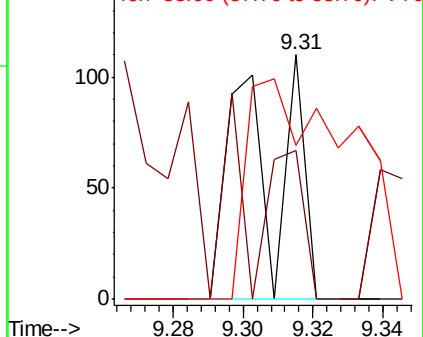


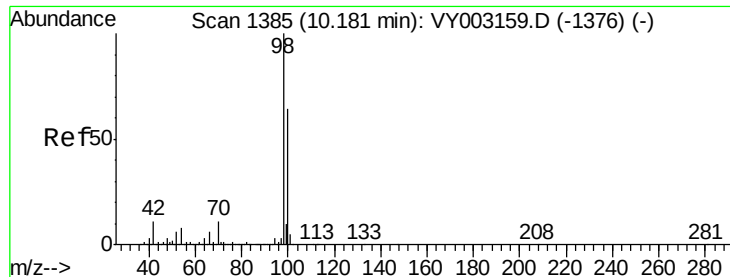
Abundance

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: 55.434 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

Instrument :

MSVOA_Y

ClientSampled :

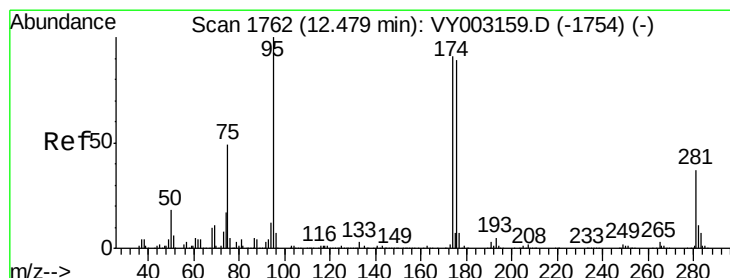
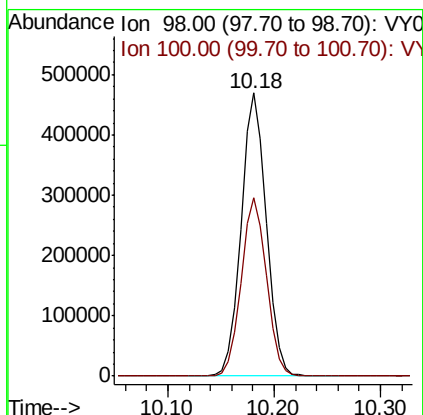
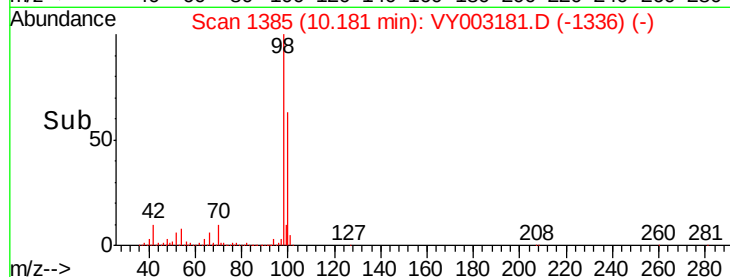
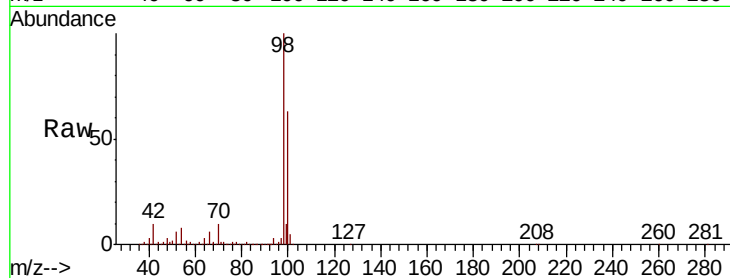
VOC

Tot Ion: 98 Resp: 778053

Ion Ratio Lower Upper

98 100

100 63.2 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 50.086 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

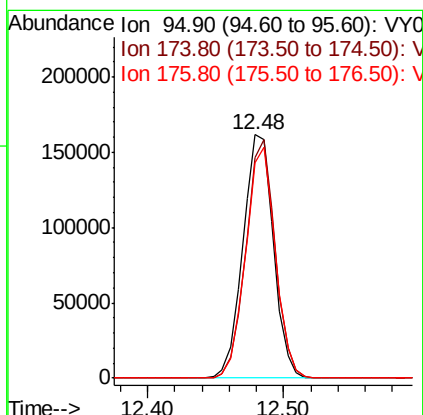
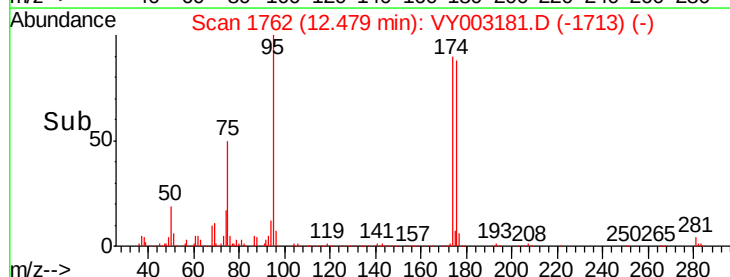
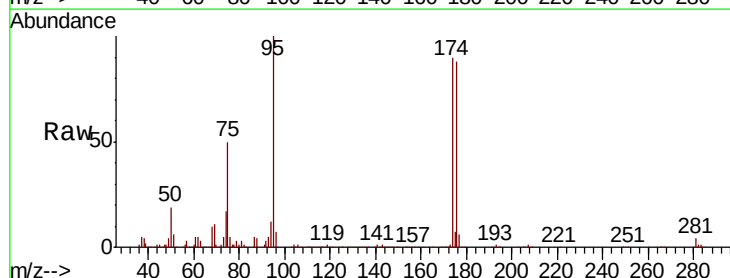
Tgt Ion: 95 Resp: 253962

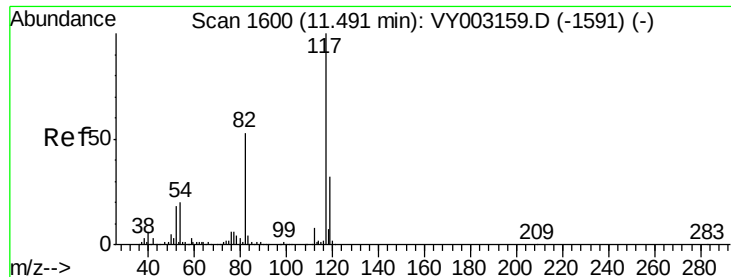
Ion Ratio Lower Upper

95 100

174 93.9 0.0 190.6

176 92.2 0.0 186.4

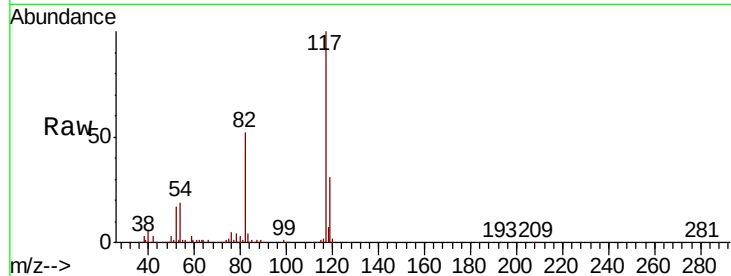




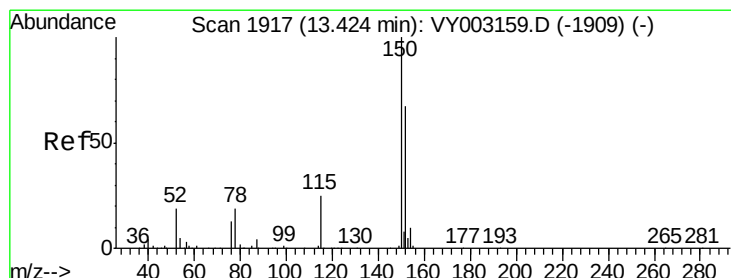
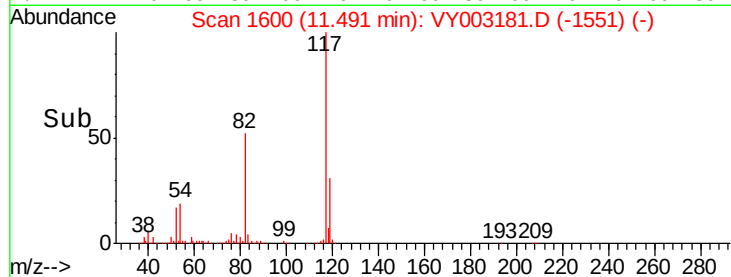
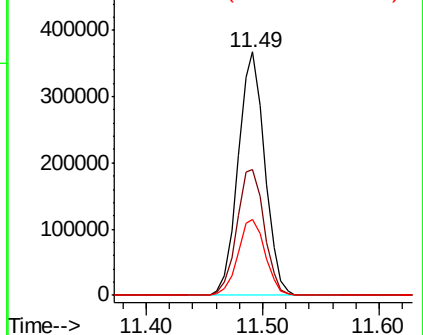
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY003181.D
Acq: 13 Jul 2020 13:04

Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.0	63.0
119	31.2	25.5	38.3

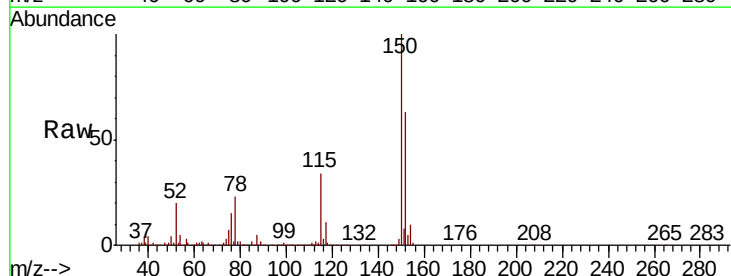


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

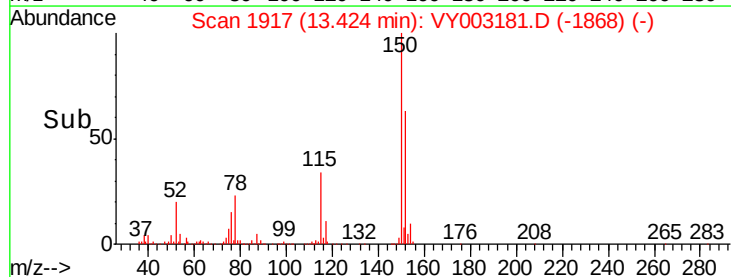
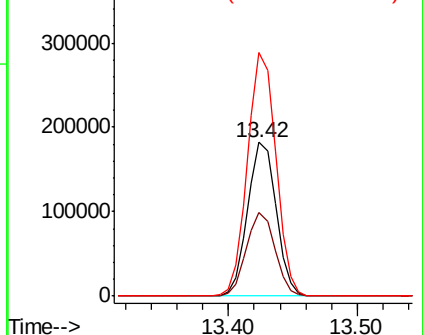


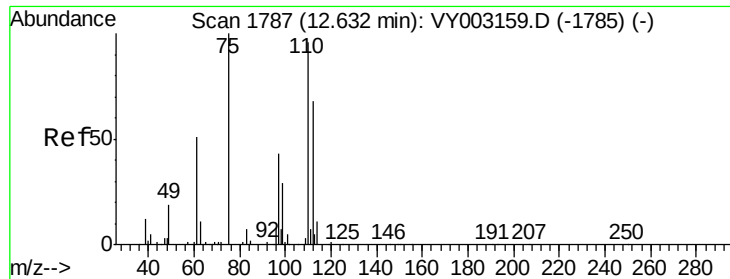
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003181.D
Acq: 13 Jul 2020 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	26.9	80.7
150	157.4	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: 51.121 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

Instrument :

MSVOA_Y

ClientSampleId :

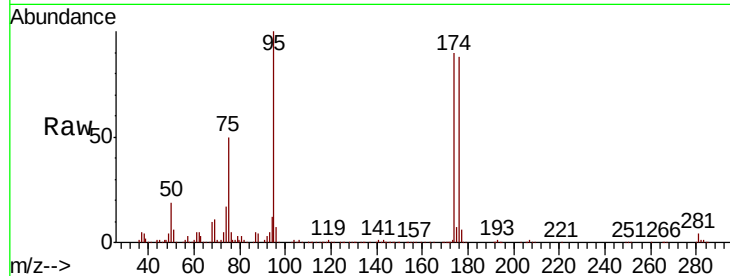
VOC

Tot Ion: 75 Resp: 126170

Ion Ratio Lower Upper

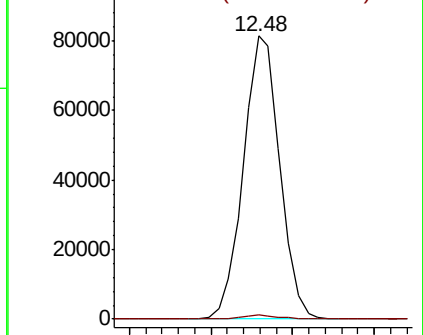
75 100

77 1.2 0.0 0.0#

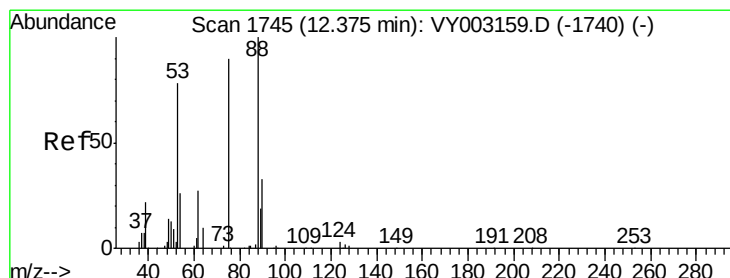
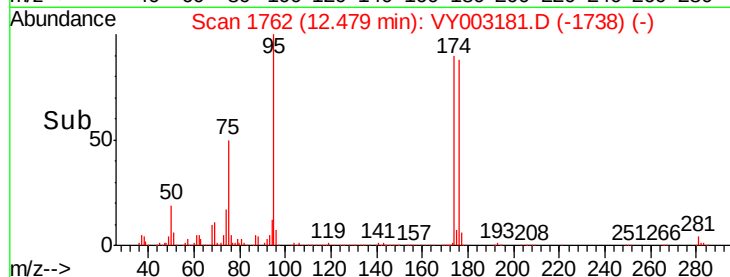


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0



Time--> 12.40 12.45 12.50 12.55



#81

trans-1,4-Dichloro-2-butene

Concen: 99.491 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003181.D

Acq: 13 Jul 2020 13:04

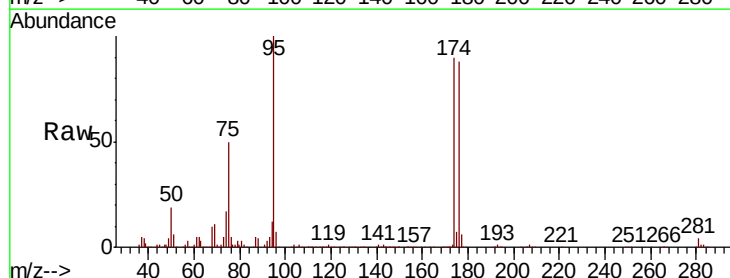
Tgt Ion: 75 Resp: 126170

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

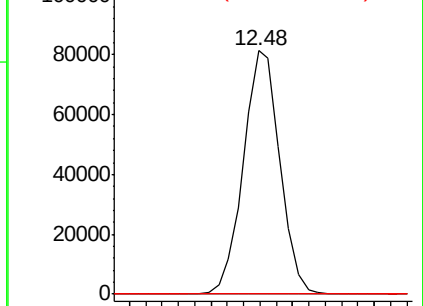
89 0.1 37.3 55.9#



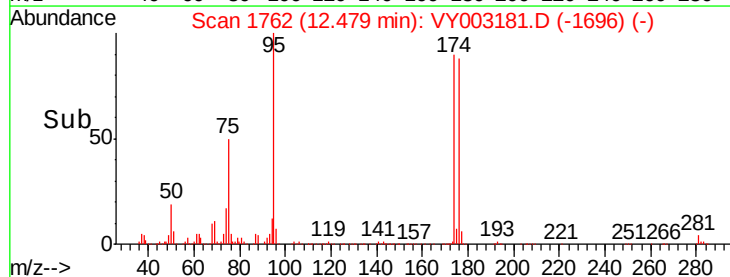
Abundance Ion 74.90 (74.60 to 75.60): VY0

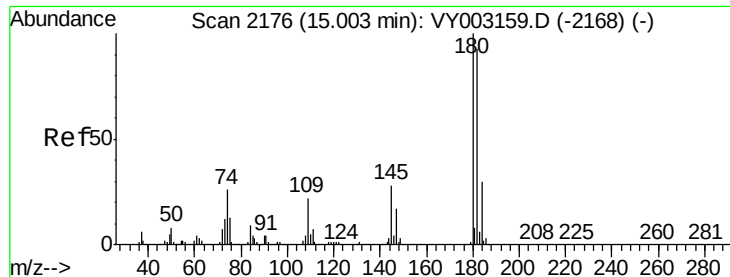
Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



Time--> 12.40 12.45 12.50 12.55

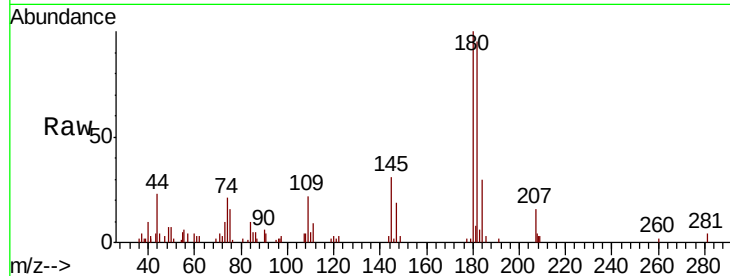




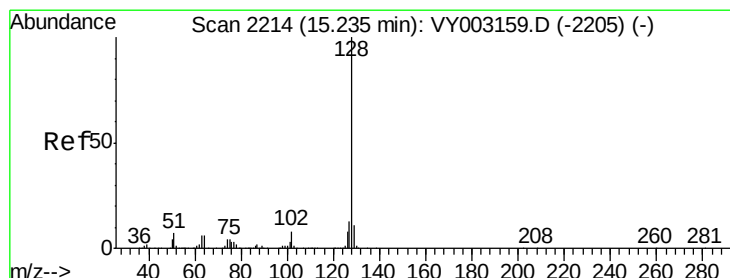
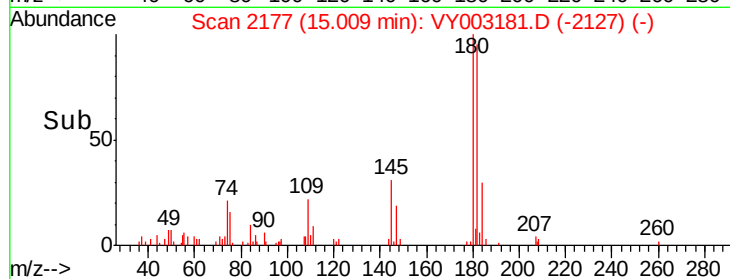
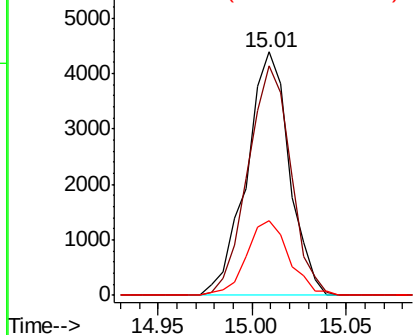
#93
 1,2,4-Trichlorobenzene
 Concen: 1.294 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY003181.D
 Acq: 13 Jul 2020 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.3	142.0
145	30.6	13.7	41.1

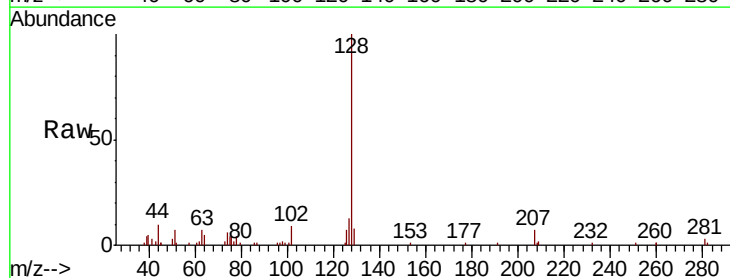


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

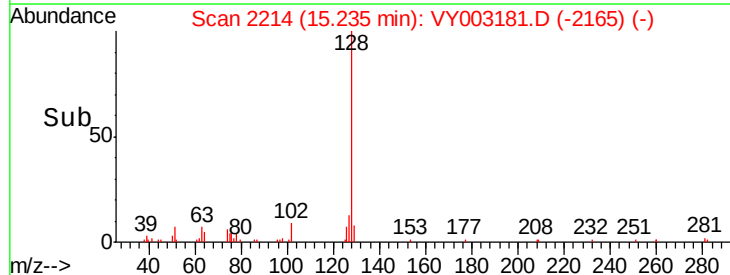
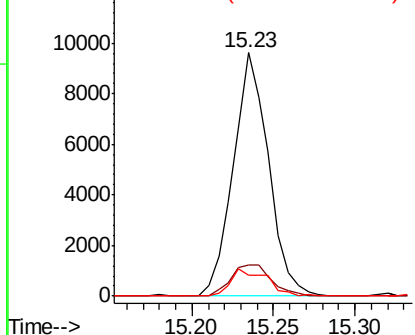


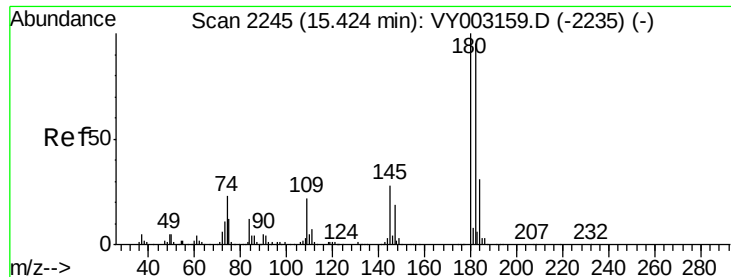
#95
 Naphthalene
 Concen: 1.634 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. -0.00 min
 Lab File: VY003181.D
 Acq: 13 Jul 2020 13:04

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.9	16.3
129	11.6	9.0	13.6



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

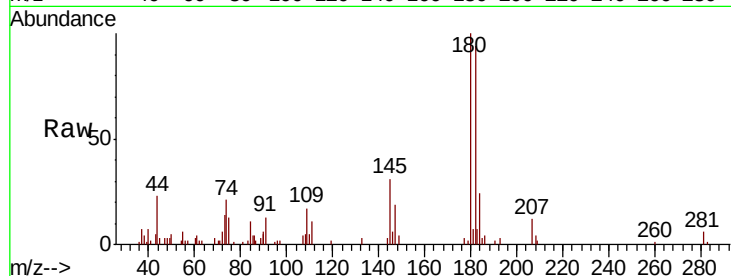




#96
 1,2,3-Trichlorobenzene
 Concen: 1.816 ug/l
 RT: 15.42 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VY003181.D
 Acq: 13 Jul 2020 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	48.8	146.3
145	32.9	14.9	44.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

