

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
 Data File : VY003312.D
 Acq On : 23 Jul 2020 13:19
 Operator : SY/MD
 Sample : L3380-01
 Misc : 9.92G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-221

Quant Time: Jul 24 04:36:53 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	395193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	607365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	496171	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	165090	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	194073	58.18	ug/l	0.00
Spiked Amount			Recovery	=	116.36%	
35) Dibromofluoromethane	7.72	113	186553	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
50) Toluene-d8	10.18	98	705629	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
62) 4-Bromofluorobenzene	12.48	95	183632	39.12	ug/l	0.00
Spiked Amount			Recovery	=	78.24%	

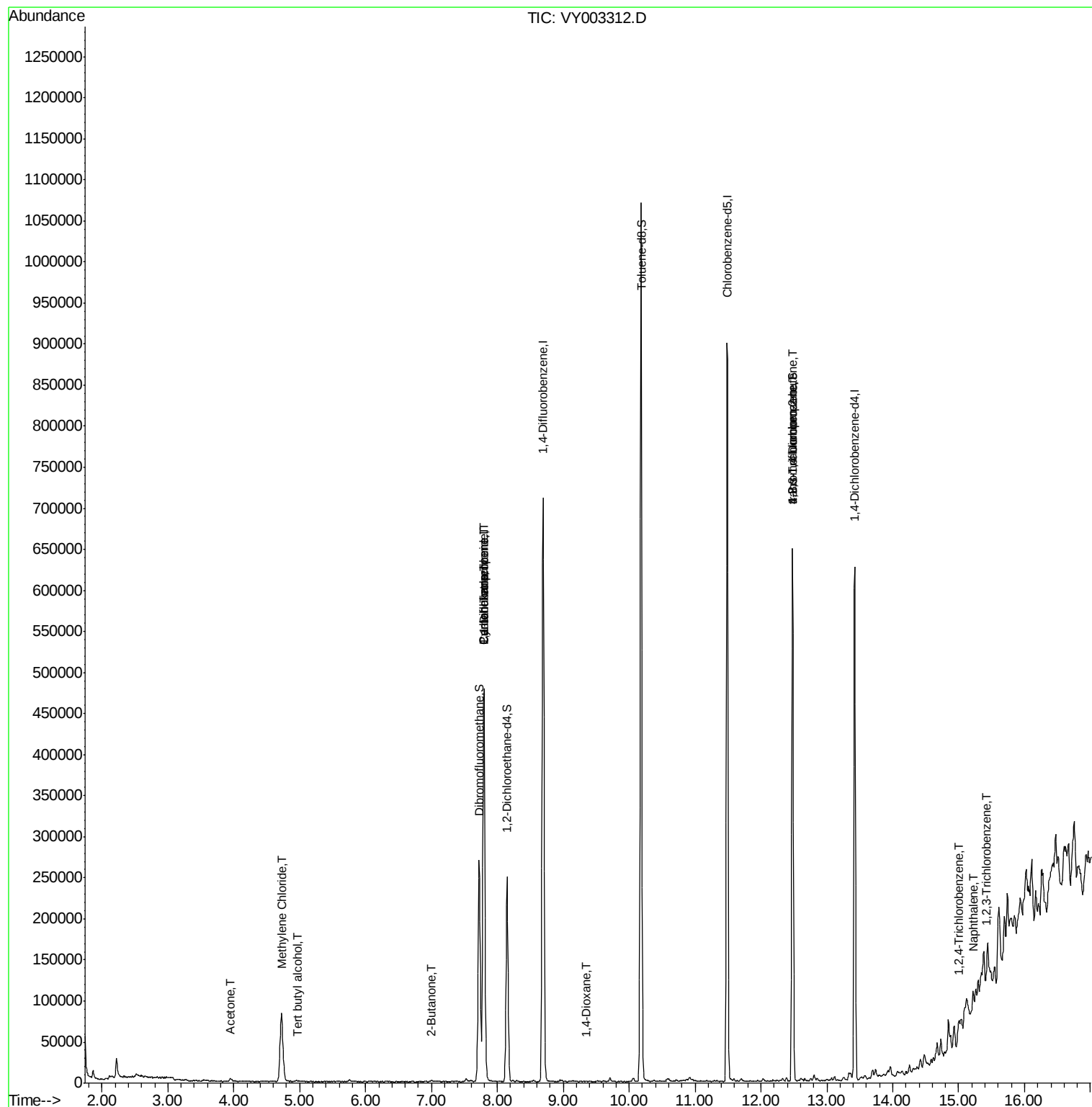
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	2743	7.605	ug/l #	72
16) Acetone	3.96	43	5531	7.423	ug/l #	85
20) Methylene Chloride	4.72	84	62840	12.659	ug/l	96
25) 2-Butanone	6.99	43	1966	1.607	ug/l #	82
31) Cyclohexane	7.79	56	7230	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.79	75	27287	4.957	ug/l #	51
38) Carbon Tetrachloride	7.80	117	35327	6.216	ug/l #	18
49) 1,4-Dioxane	9.34	88	30	1.032	ug/l #	60
76) 1,2,3-Trichloropropane	12.48	75	93264	63.821	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	93264	124.208	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.00	180	4822	1.523	ug/l	87
95) Naphthalene	15.23	128	10709	2.047	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.42	180	8096	3.235	ug/l	81

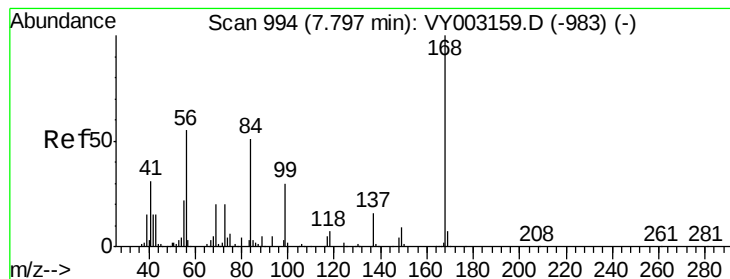
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

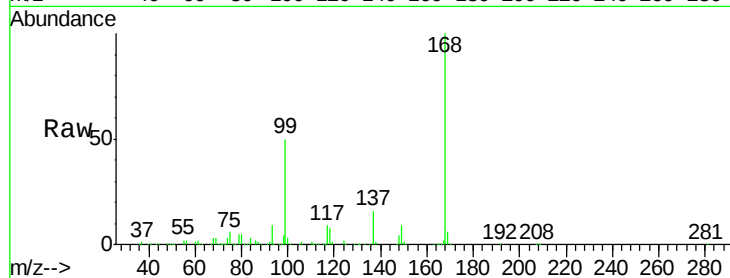
VNJ-221

Tot Ion:168 Resp: 395193

Ion Ratio Lower Upper

168 100

99 50.1 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003312.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003312.D (-945) (-)

7.80

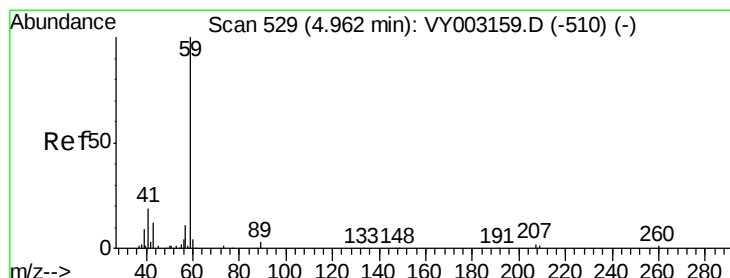
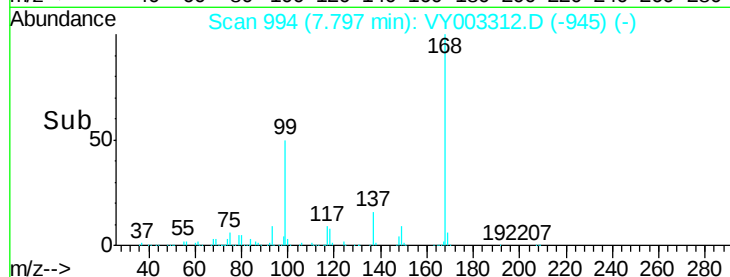
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.605 ug/l

RT: 4.97 min Scan# 530

Delta R.T. 0.01 min

Lab File: VY003312.D

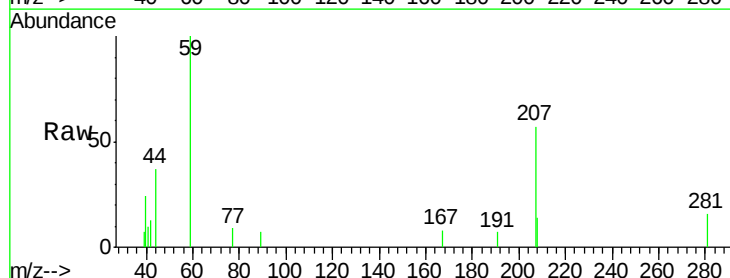
Acq: 23 Jul 2020 13:19

Tgt Ion: 59 Resp: 2743

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003312.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003312.D (-480) (-)

4.97

1000

800

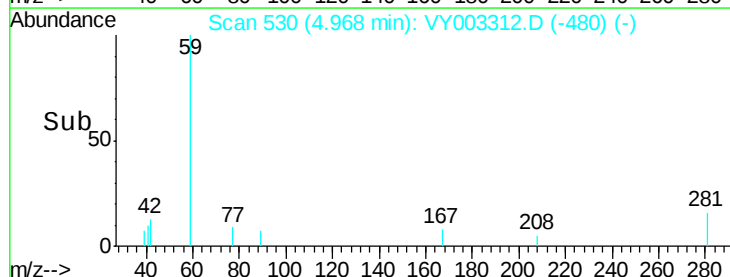
600

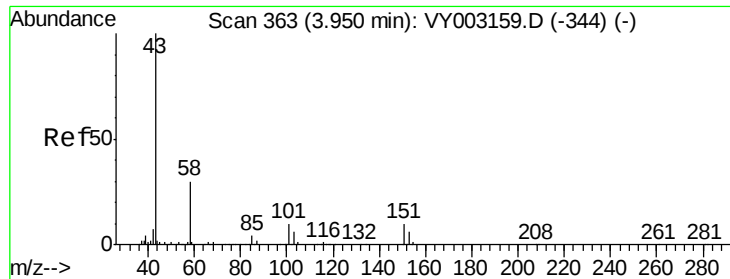
400

200

0

Time-->

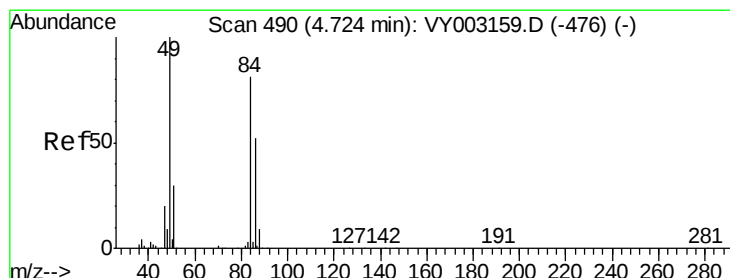
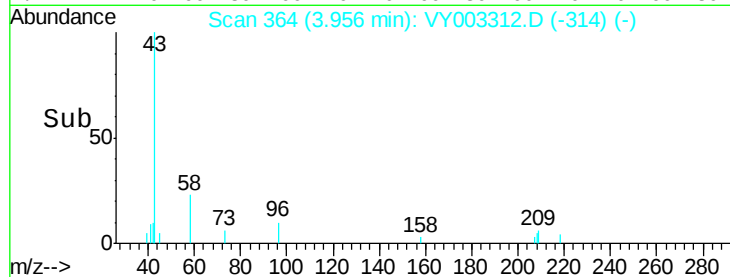
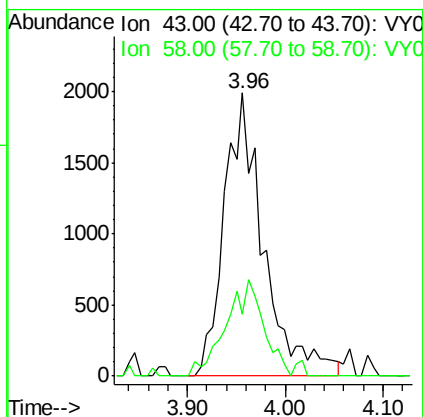
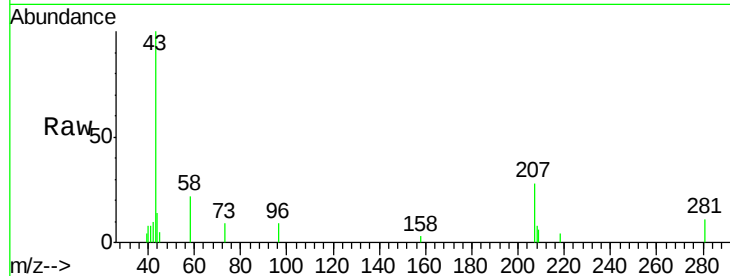




#16
Acetone
Concen: 7.423 ug/l
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VY003312.D
Acq: 23 Jul 2020 13:19

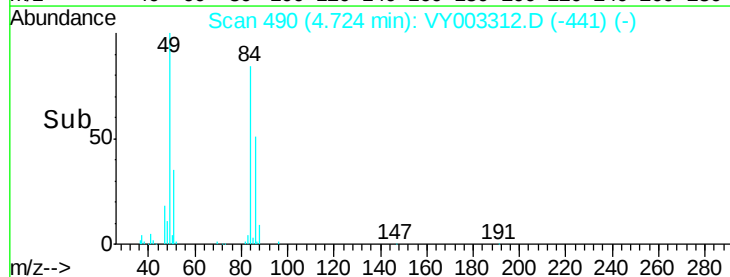
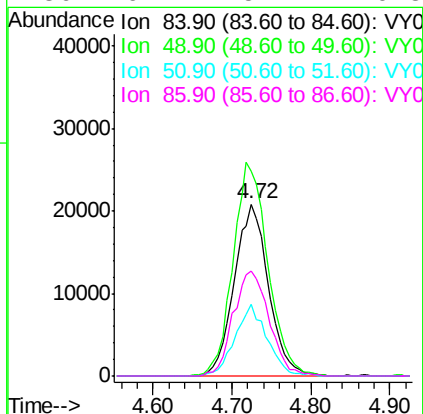
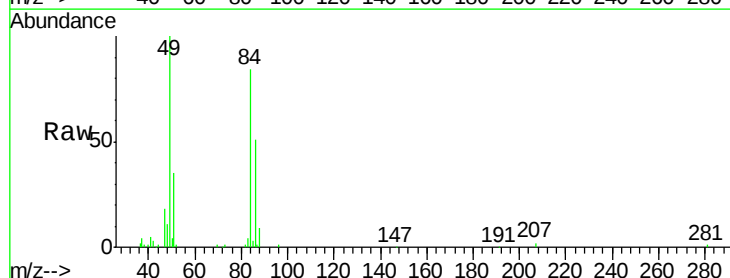
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-221

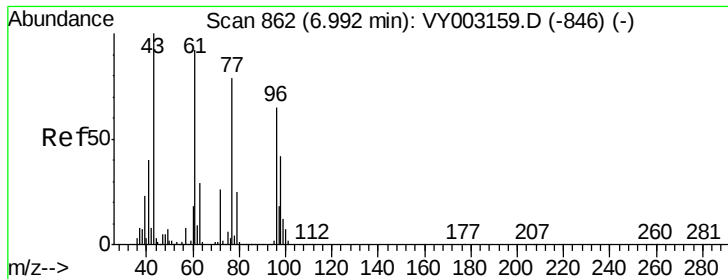
Tot Ion: 43 Resp: 5531
Ion Ratio Lower Upper
43 100
58 21.8 23.8 35.6#



#20
Methylene Chloride
Concen: 12.659 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003312.D
Acq: 23 Jul 2020 13:19

Tgt Ion: 84 Resp: 62840
Ion Ratio Lower Upper
84 100
49 119.3 98.2 147.4
51 41.6 29.8 44.6
86 61.1 51.2 76.8





#25

2-Butanone

Concen: 1.607 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

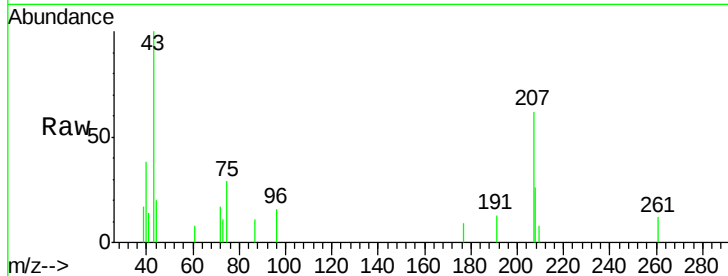
VNJ-221

Tot Ion: 43 Resp: 1966

Ion Ratio Lower Upper

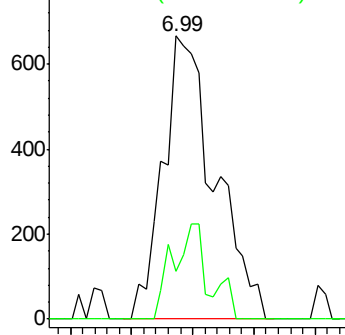
43 100

72 17.0 20.9 31.3#

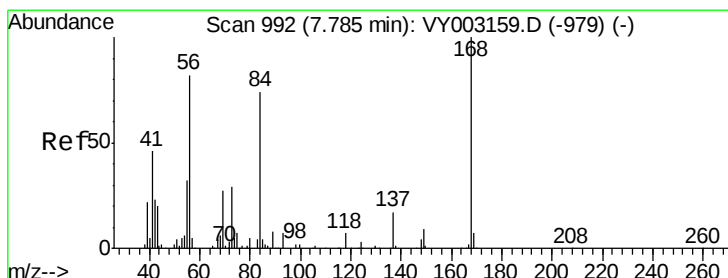
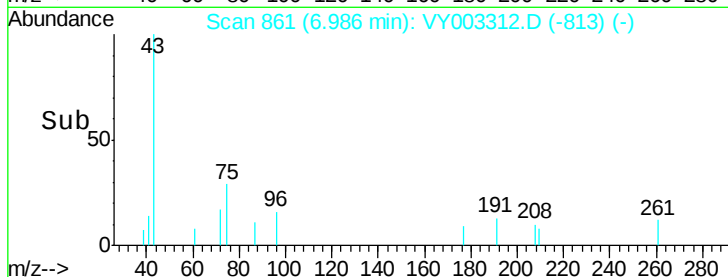


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



Time-->



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

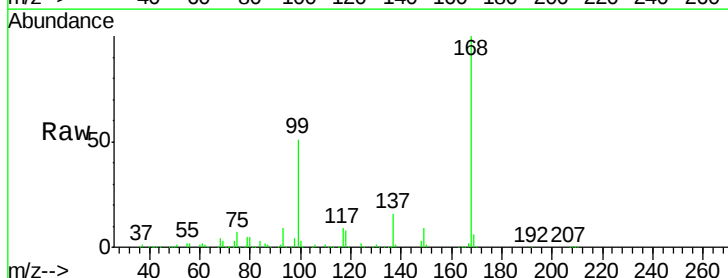
Tgt Ion: 56 Resp: 7230

Ion Ratio Lower Upper

56 100

69 169.3 26.7 40.1#

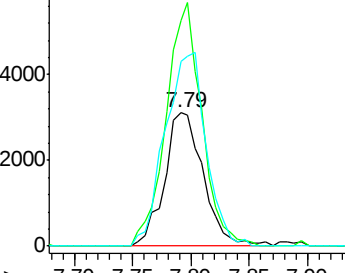
84 138.8 72.3 108.5#



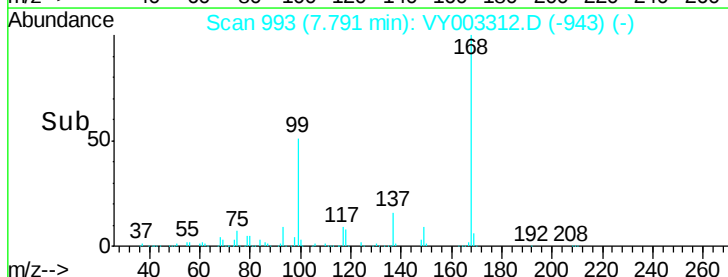
Abundance Ion 56.00 (55.70 to 56.70): VY0

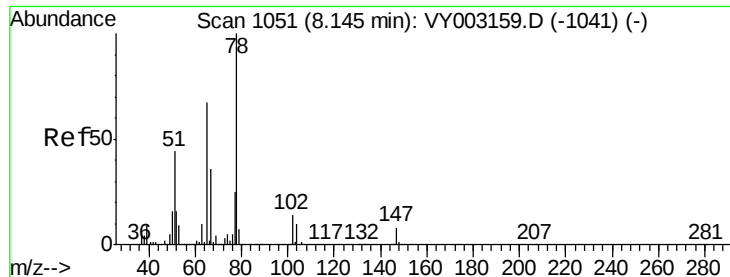
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 58.183 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

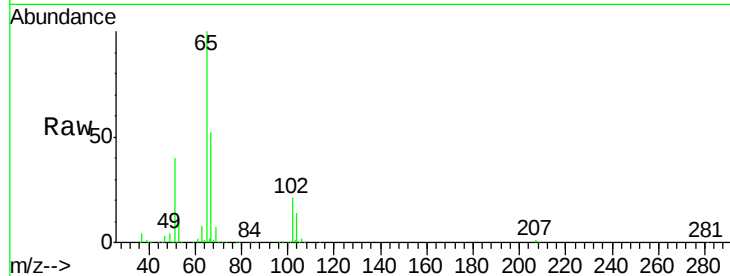
VNJ-221

Tot Ion: 65 Resp: 194073

Ion Ratio Lower Upper

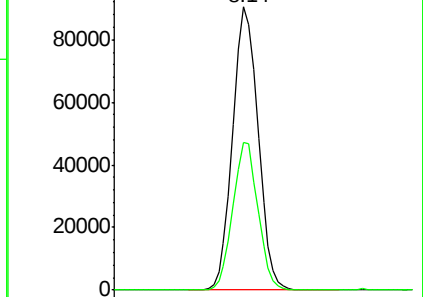
65 100

67 51.5 0.0 105.2

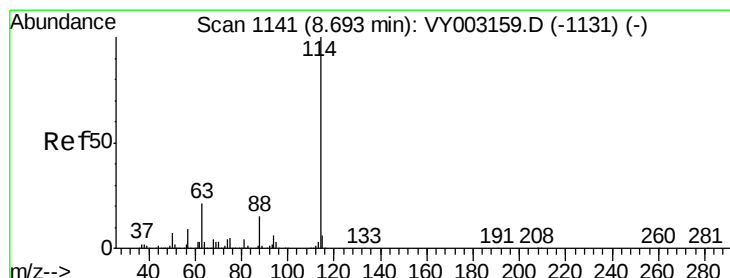
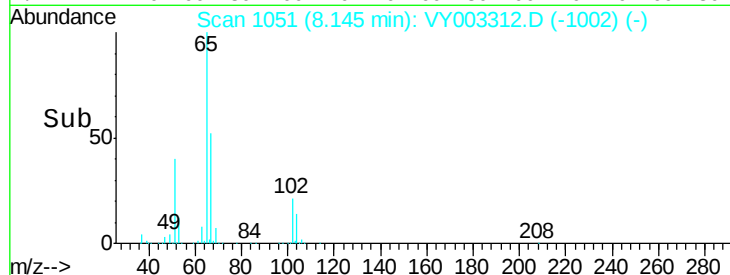


Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



Time--> 8.00 8.10 8.20 8.30



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

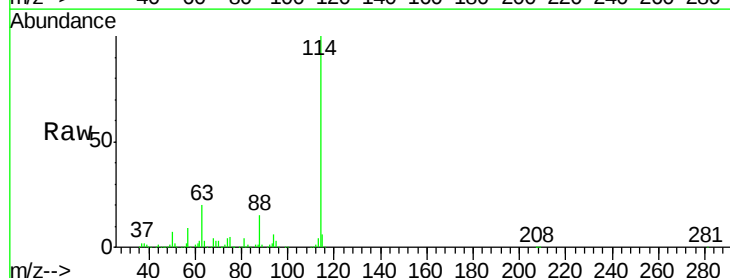
Tgt Ion: 114 Resp: 607365

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.2

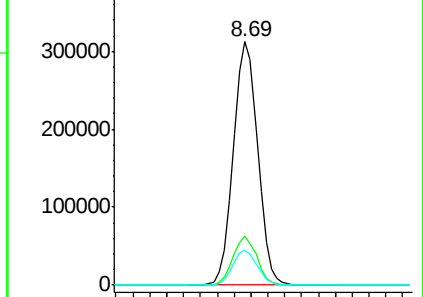
88 14.5 0.0 30.2



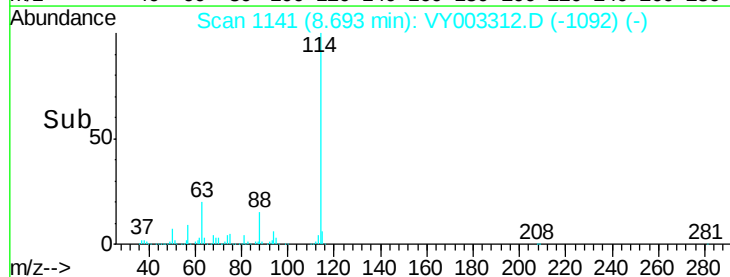
Abundance Ion 113.90 (113.60 to 114.60): V

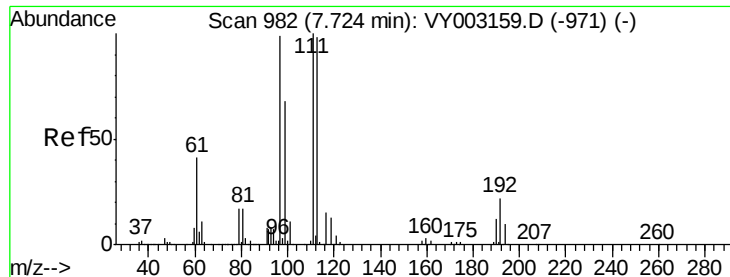
Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0



Time--> 8.60 8.70 8.80





#35

Dibromofluoromethane

Concen: 53.373 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA_Y

ClientSampled :

VNJ-221

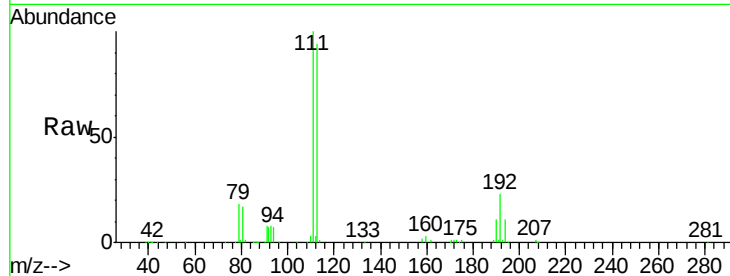
Tot Ion:113 Resp: 186553

Ion Ratio Lower Upper

113 100

111 102.4 82.1 123.1

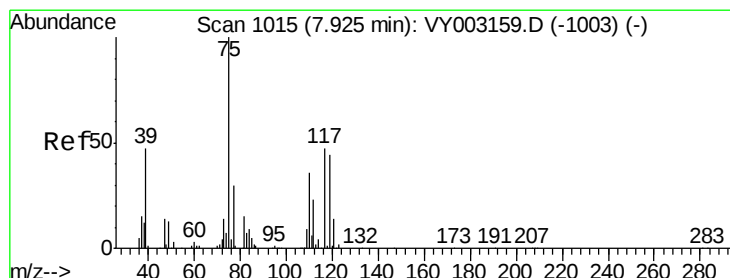
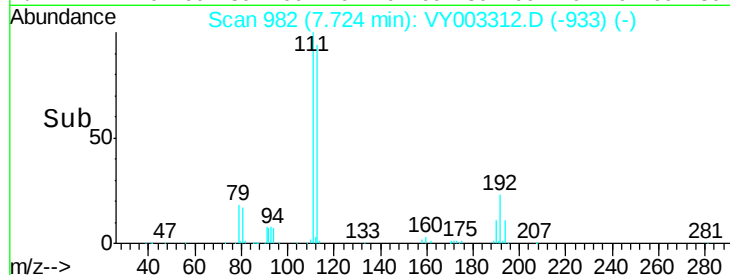
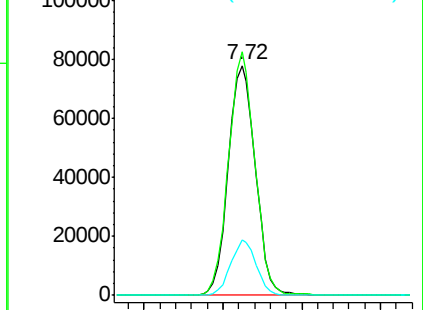
192 22.9 18.8 28.2



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: 4.957 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.13 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

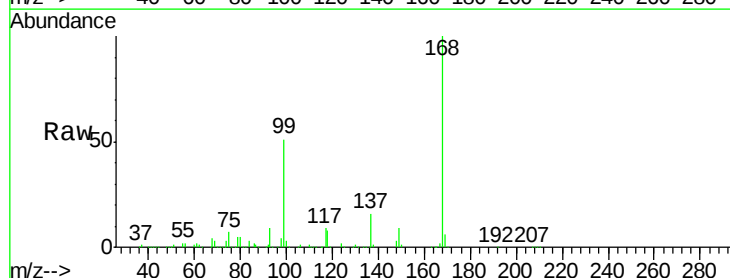
Tgt Ion: 75 Resp: 27287

Ion Ratio Lower Upper

75 100

110 10.7 18.1 54.1#

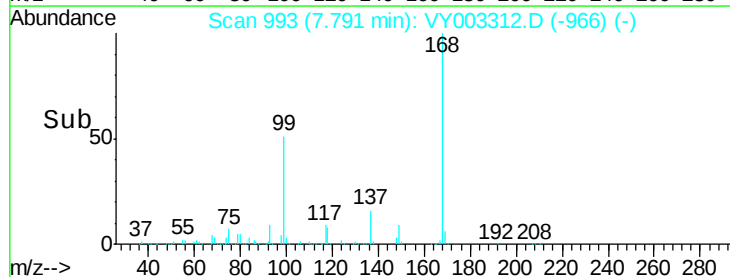
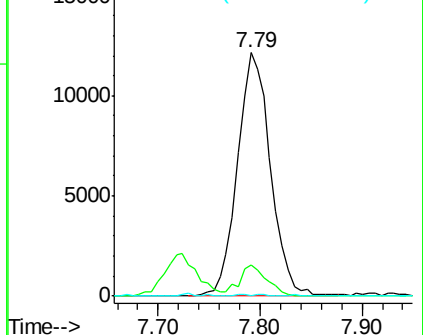
77 0.2 24.8 37.2#

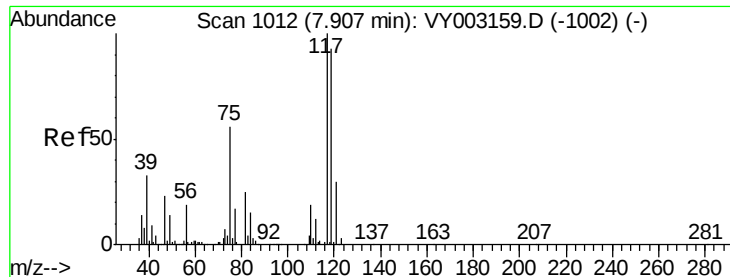


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.216 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.11 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA_Y

ClientSampled :

VNJ-221

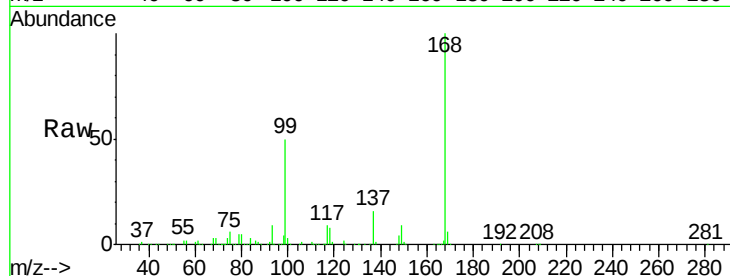
Tot Ion:117 Resp: 35327

Ion Ratio Lower Upper

117 100

119 6.2 74.5 111.7#

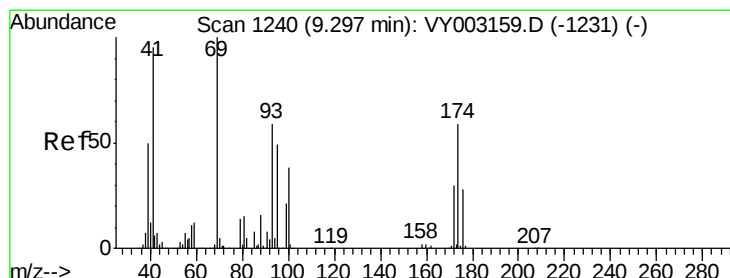
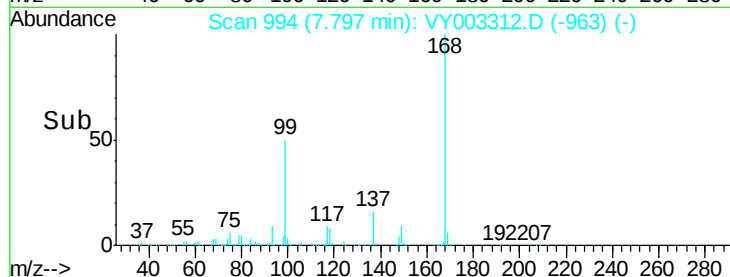
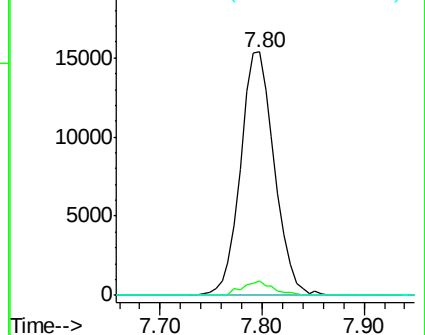
121 0.0 24.2 36.2#



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: 1.032 ug/l

RT: 9.34 min Scan# 1247

Delta R.T. 0.04 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

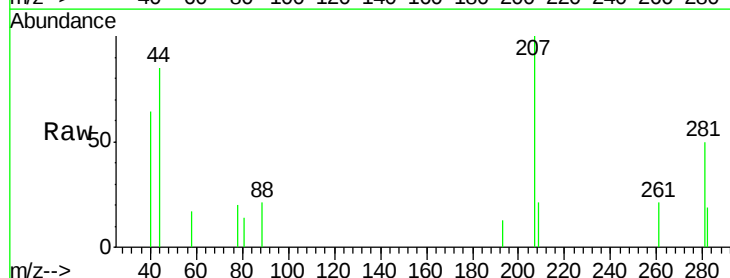
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

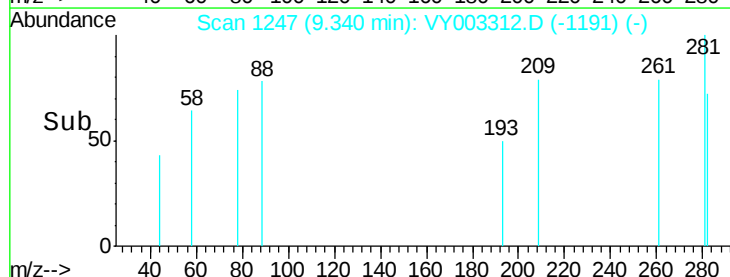
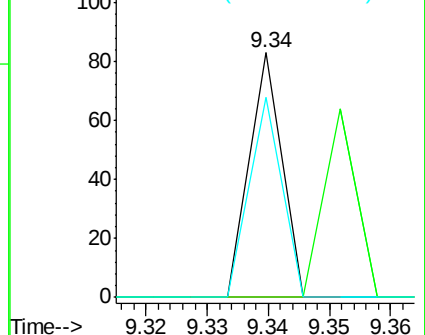
58 83.3 47.8 71.6#

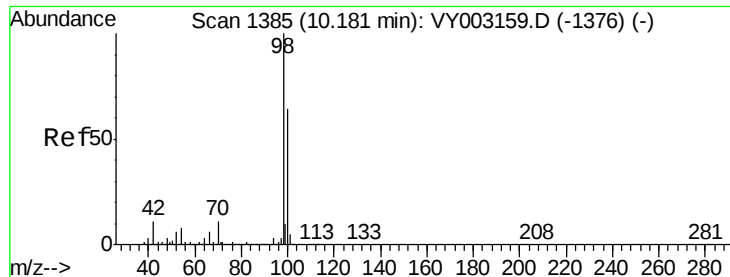


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 54.301 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

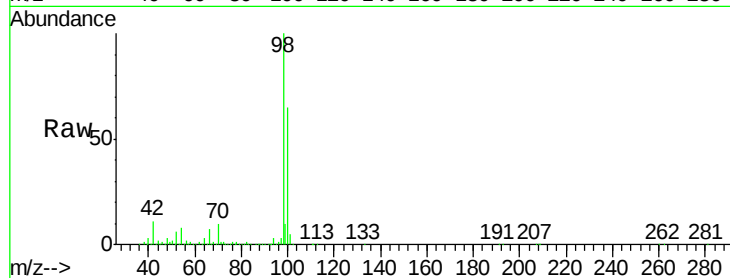
VNJ-221

Tot Ion: 98 Resp: 705629

Ion Ratio Lower Upper

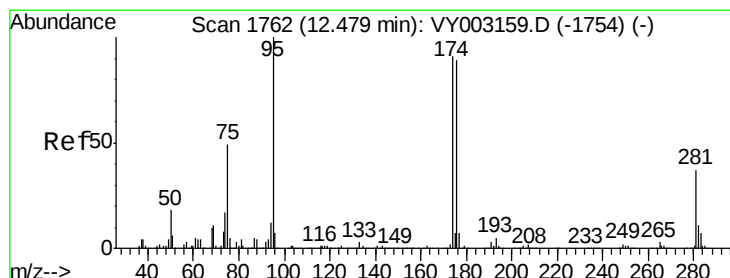
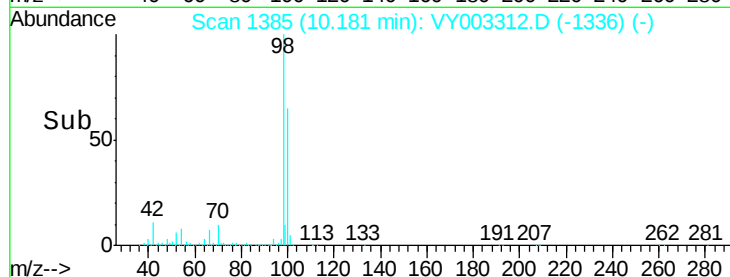
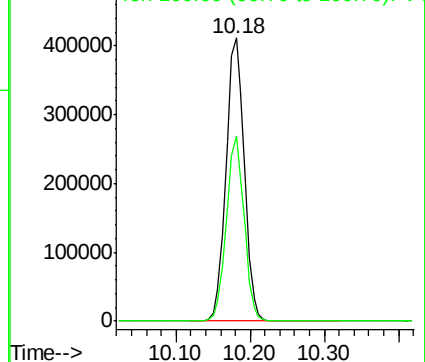
98 100

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



#62

4-Bromofluorobenzene

Concen: 39.117 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

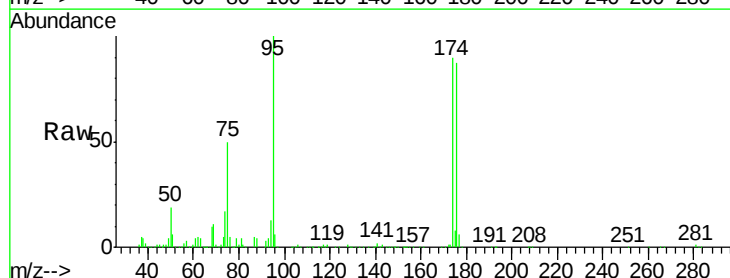
Tgt Ion: 95 Resp: 183632

Ion Ratio Lower Upper

95 100

174 95.5 0.0 190.6

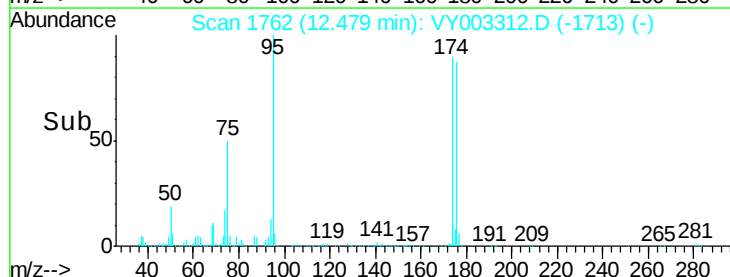
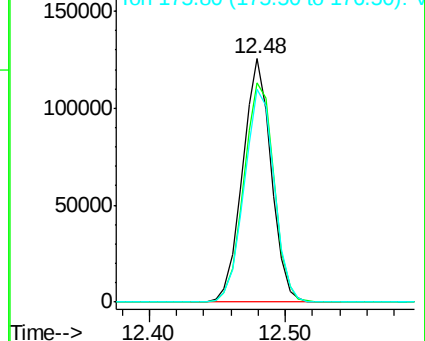
176 92.2 0.0 186.4

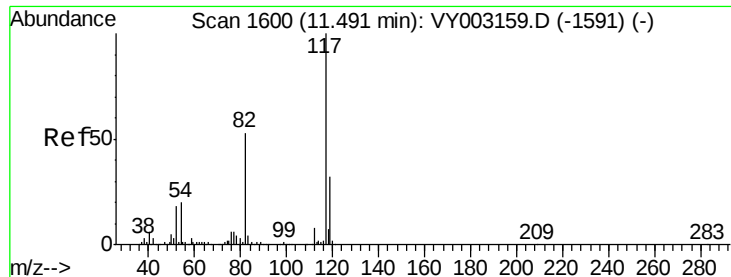


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0

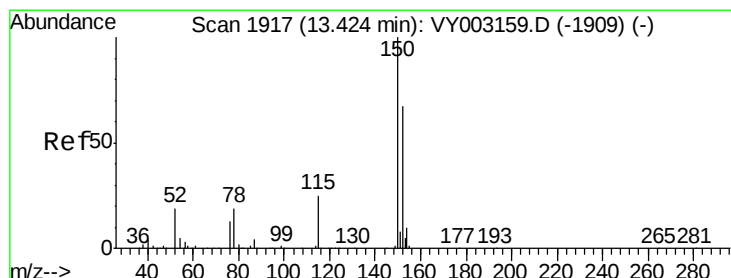
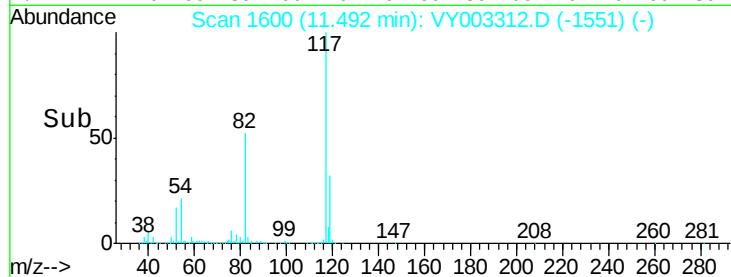
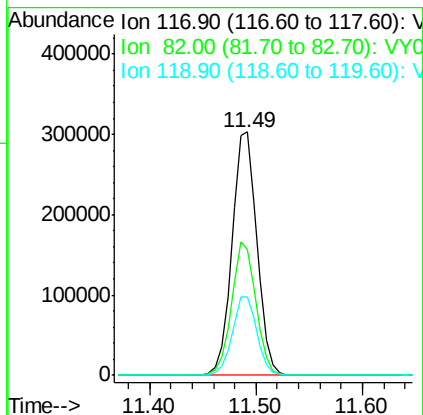
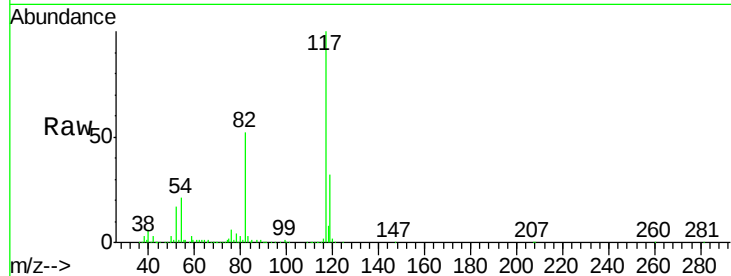




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003312.D
Acq: 23 Jul 2020 13:19

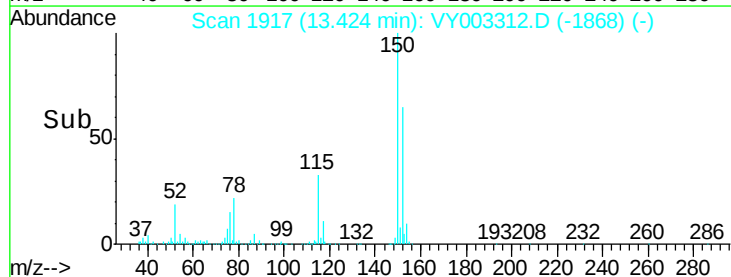
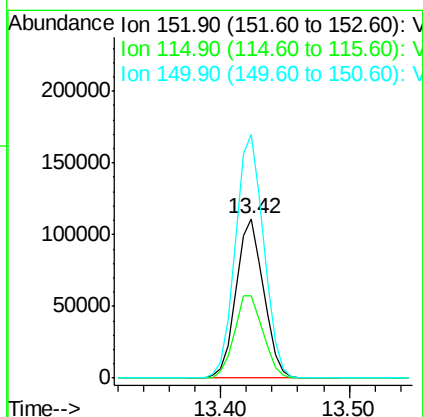
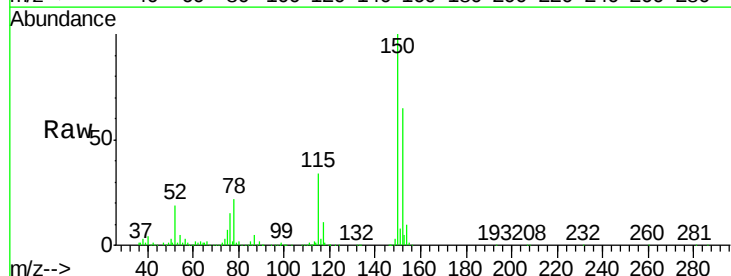
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-221

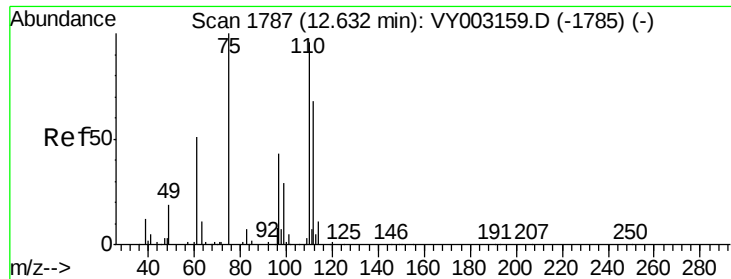
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.0	63.0
119	32.5	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY003312.D
Acq: 23 Jul 2020 13:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	26.9	80.7
150	156.9	0.0	338.0





#76

1,2,3-Trichloropropane

Concen: 63.821 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

Instrument :

MSVOA_Y

ClientSampleId :

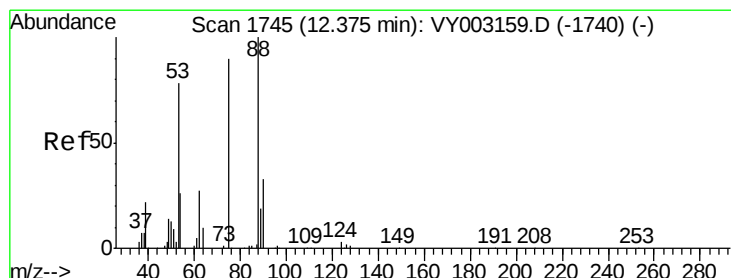
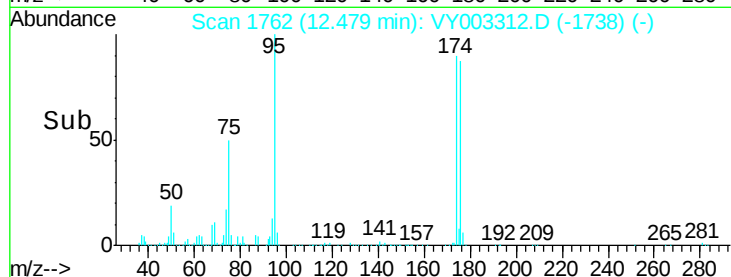
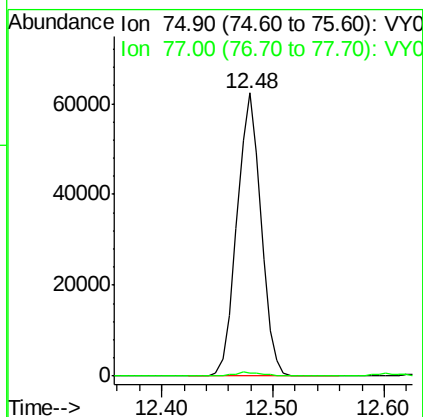
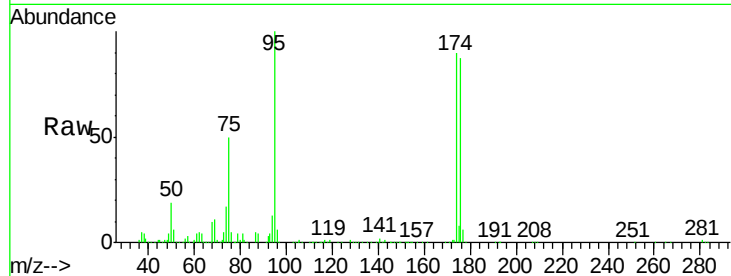
VNJ-221

Tot Ion: 75 Resp: 93264

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 124.208 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003312.D

Acq: 23 Jul 2020 13:19

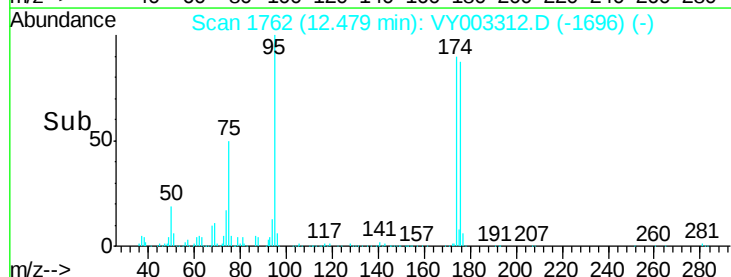
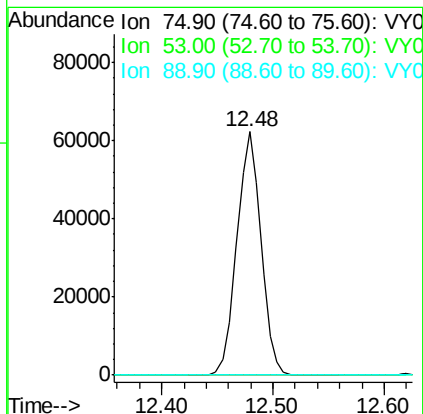
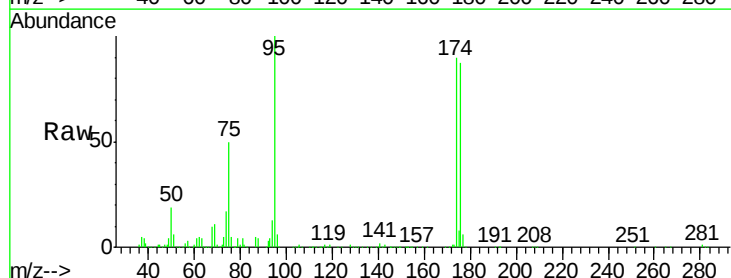
Tgt Ion: 75 Resp: 93264

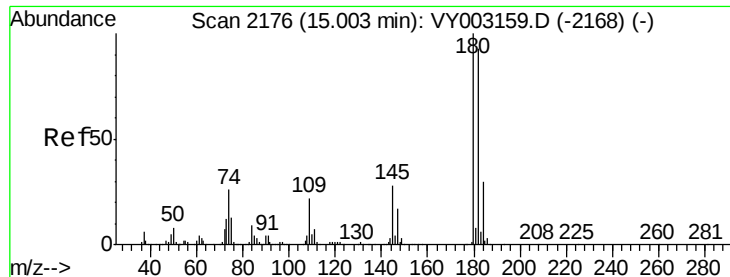
Ion Ratio Lower Upper

75 100

53 0.3 72.0 108.0#

89 0.0 37.3 55.9#

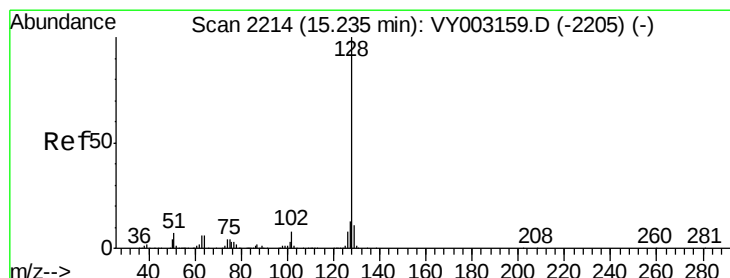
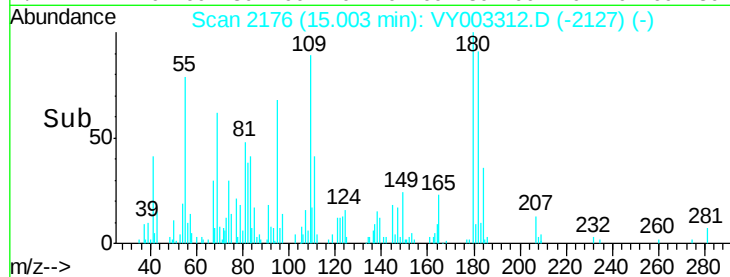
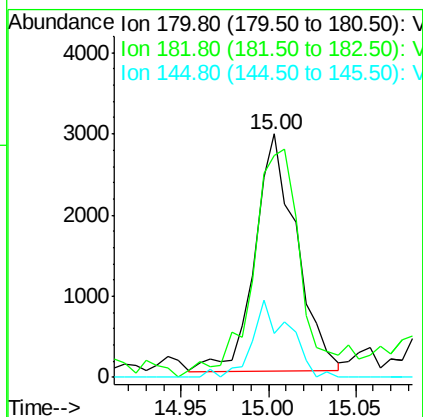
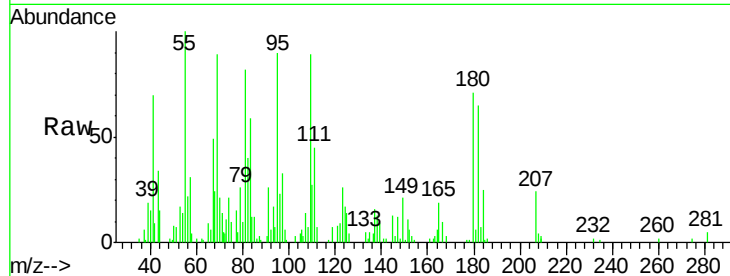




#93
 1,2,4-Trichlorobenzene
 Concen: 1.523 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY003312.D
 Acq: 23 Jul 2020 13:19

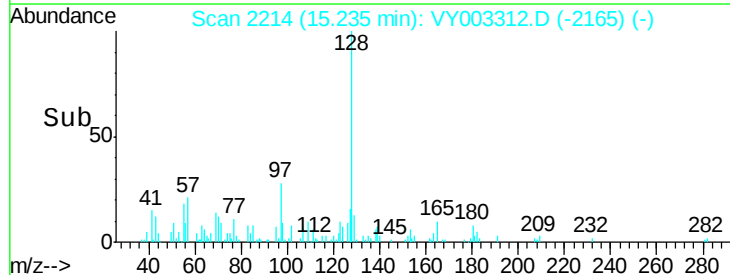
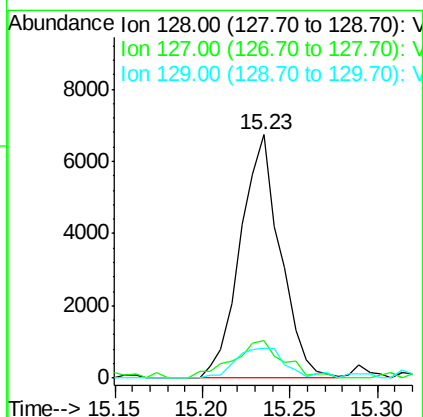
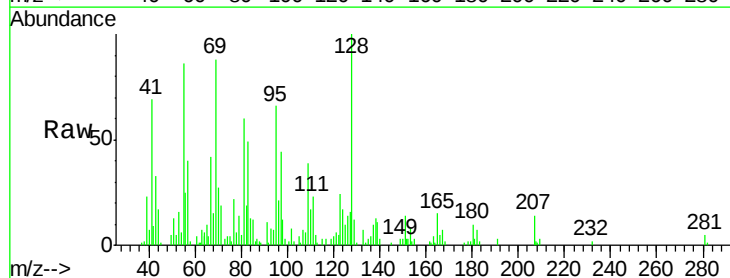
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-221

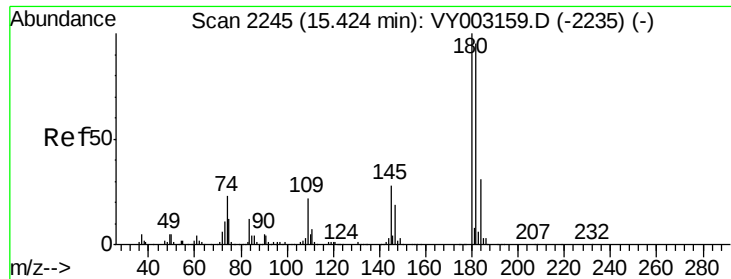
Tot Ion:180 Resp: 4822
 Ion Ratio Lower Upper
 180 100
 182 110.7 47.3 142.0
 145 28.7 13.7 41.1



#95
 Naphthalene
 Concen: 2.047 ug/l
 RT: 15.23 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VY003312.D
 Acq: 23 Jul 2020 13:19

Tgt Ion:128 Resp: 10709
 Ion Ratio Lower Upper
 128 100
 127 19.5 10.9 16.3#
 129 15.8 9.0 13.6#

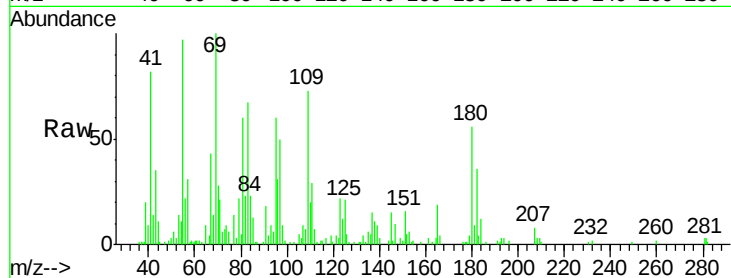




#96
 1,2,3-Trichlorobenzene
 Concen: 3.235 ug/l
 RT: 15.42 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: VY003312.D
 Acq: 23 Jul 2020 13:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-221

Tot Ion	Ratio	Lower	Upper
180	100		
182	75.9	48.8	146.3
145	33.9	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

