

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
 Data File : VY003314.D
 Acq On : 23 Jul 2020 14:22
 Operator : SY/MD
 Sample : L3380-03
 Misc : 6.94G/5ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241

Quant Time: Jul 24 04:38:53 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	421539	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	649774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	521822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	159378	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	204738	57.54	ug/l	0.00
Spiked Amount			Recovery	=	115.08%	
35) Dibromofluoromethane	7.72	113	201726	53.95	ug/l	0.00
Spiked Amount			Recovery	=	107.90%	
50) Toluene-d8	10.18	98	748975	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.48	95	187438	37.32	ug/l	0.00
Spiked Amount			Recovery	=	74.64%	

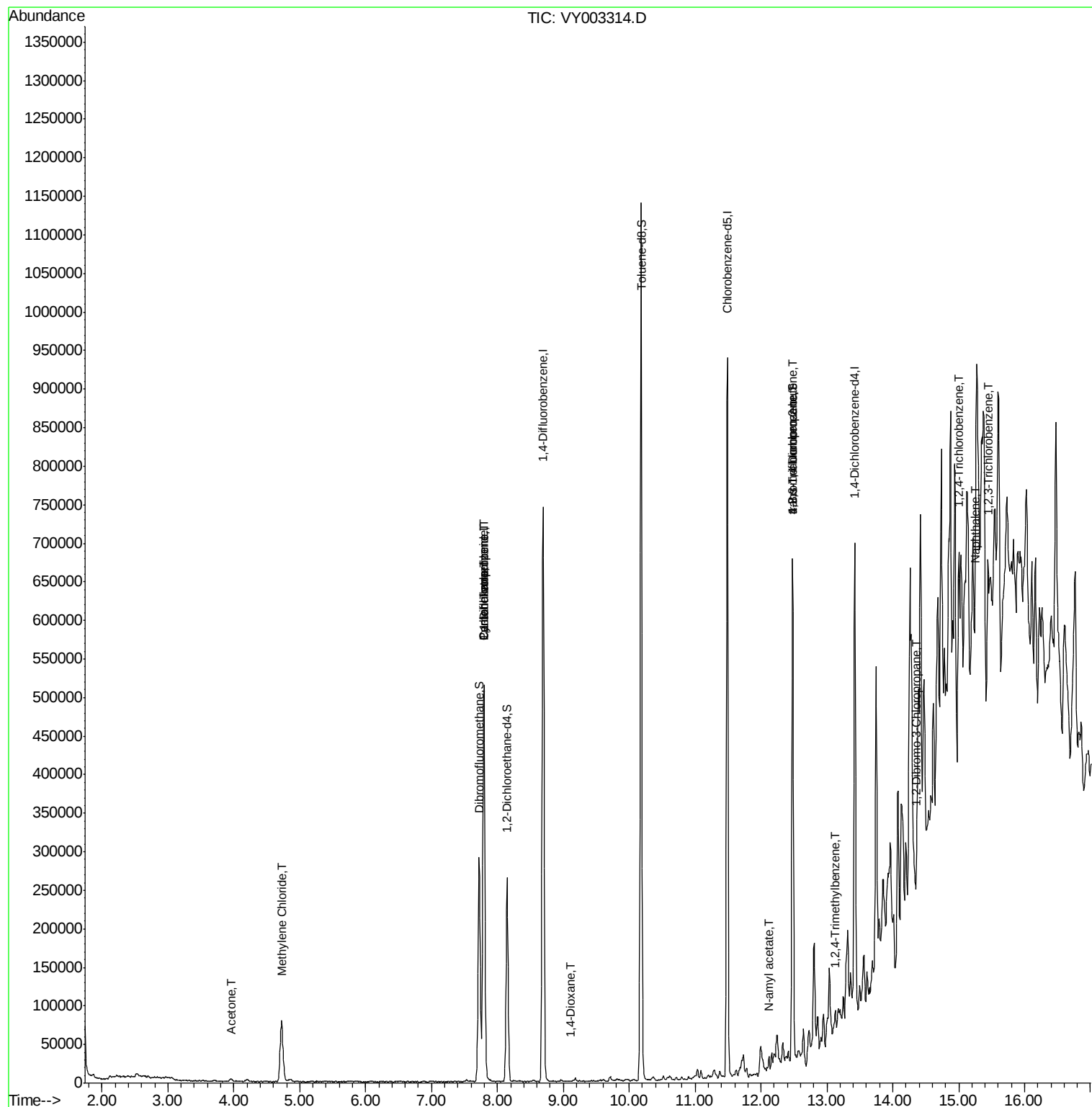
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.95	43	5878	7.396	ug/l	98
20) Methylene Chloride	4.72	84	59425	10.522	ug/l	95
31) Cyclohexane	7.79	56	8386	1.296	ug/l #	25
36) 1,1-Dichloropropene	7.79	75	27977	4.751	ug/l #	51
38) Carbon Tetrachloride	7.79	117	37179	6.115	ug/l #	17
49) 1,4-Dioxane	9.11	88	64	2.058	ug/l #	56
74) N-amyl acetate	12.13	43	5144	1.805	ug/l #	57
76) 1,2,3-Trichloropropane	12.48	75	95256	67.521	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	95256	131.408	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.12	105	9760	1.146	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	534	1.679	ug/l	73
93) 1,2,4-Trichlorobenzene	15.00	180	4710	1.541	ug/l #	1
95) Naphthalene	15.24	128	12897	2.553	ug/l #	66
96) 1,2,3-Trichlorobenzene	15.44	180	8379	3.468	ug/l #	59

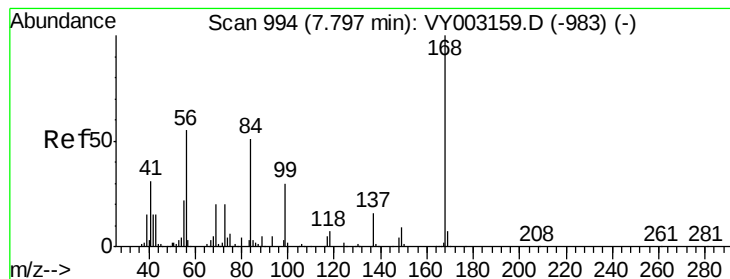
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
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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: VY003314.D

Acq: 23 Jul 2020 14:22

Instrument :

MSVOA_Y

ClientSampled :

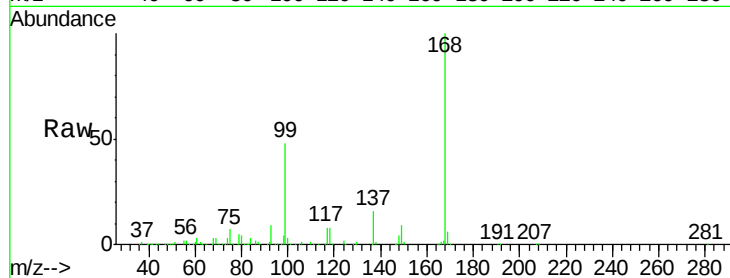
VNJ-241

Tot Ion:168 Resp: 421539

Ion Ratio Lower Upper

168 100

99 48.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003314.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003314.D (-945) (-)

7.80

200000

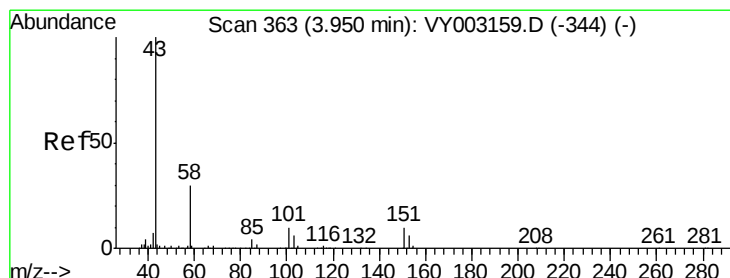
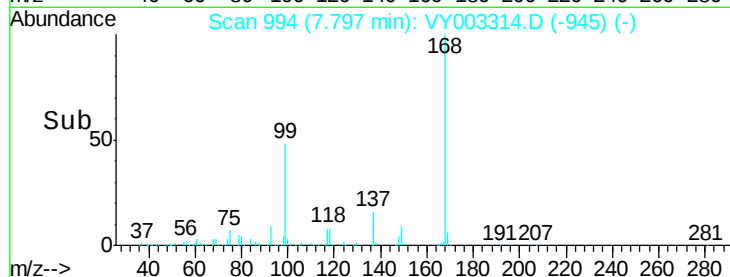
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 7.396 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VY003314.D

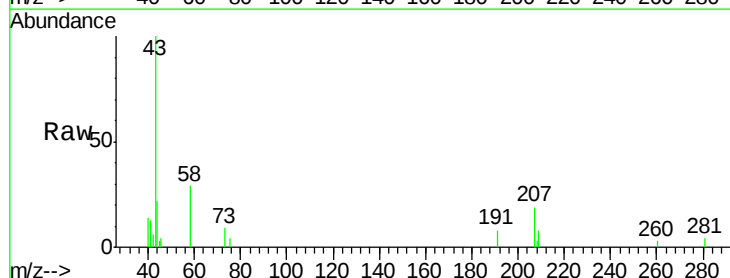
Acq: 23 Jul 2020 14:22

Tgt Ion: 43 Resp: 5878

Ion Ratio Lower Upper

43 100

58 28.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VY003314.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VY003314.D (-314) (-)

3.95

2500

2000

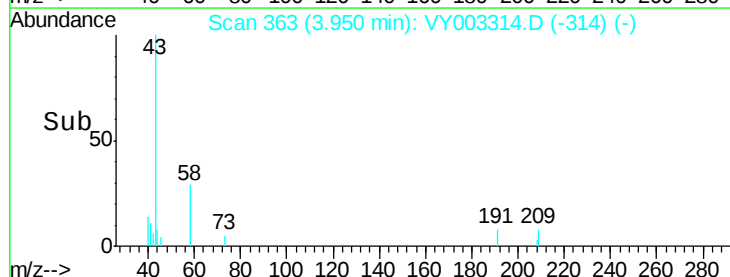
1500

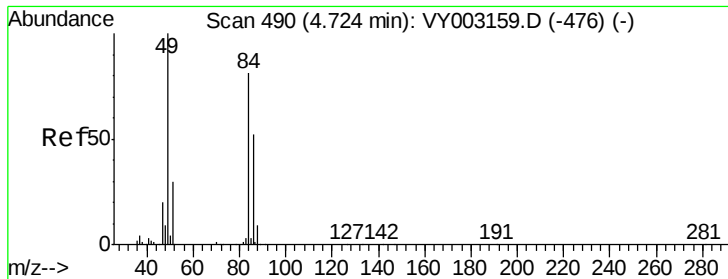
1000

500

0

Time-->

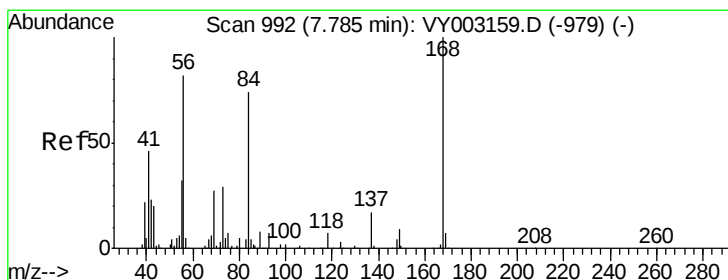
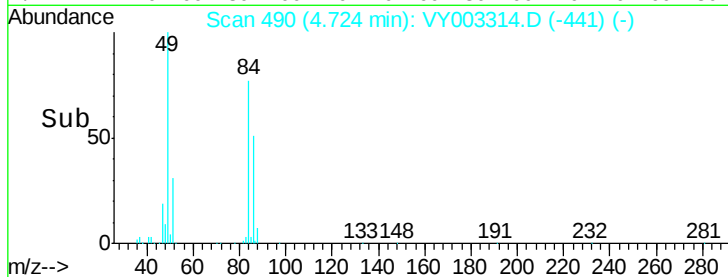
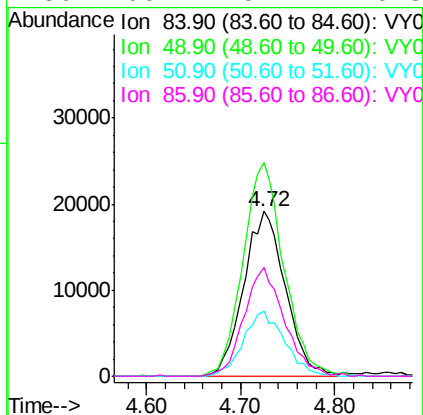
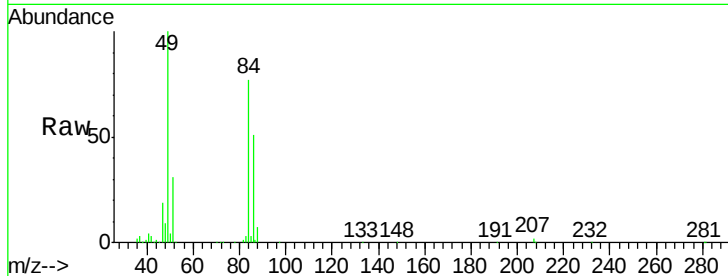




#20
Methvlene Chloride
Concen: 10.522 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY003314.D
Acq: 23 Jul 2020 14:22

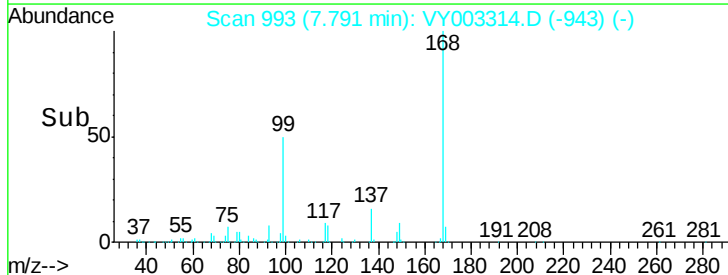
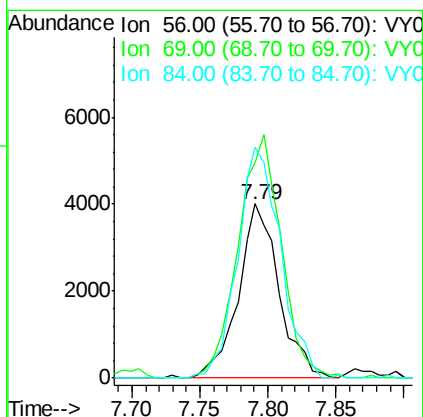
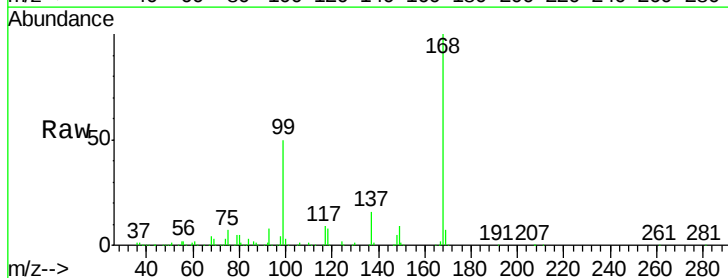
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-241

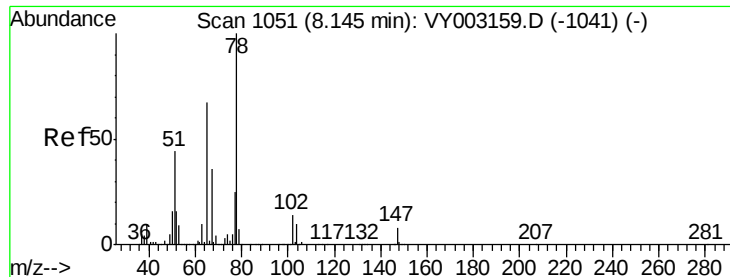
Tot Ion:	84	Resp:	59425
Ion	Ratio	Lower	Upper
84	100		
49	129.5	98.2	147.4
51	40.0	29.8	44.6
86	66.1	51.2	76.8



#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.01 min
Lab File: VY003314.D
Acq: 23 Jul 2020 14:22

Tgt Ion:	56	Resp:	8386
Ion	Ratio	Lower	Upper
56	100		
69	123.5	26.7	40.1#
84	132.7	72.3	108.5#

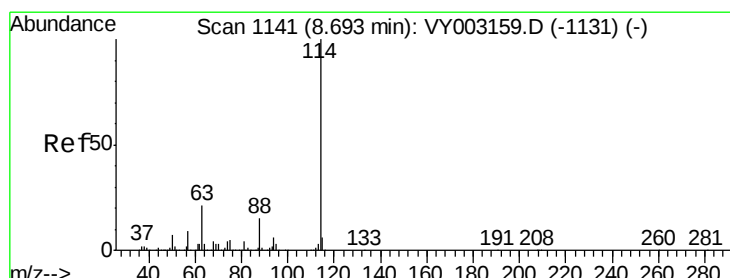
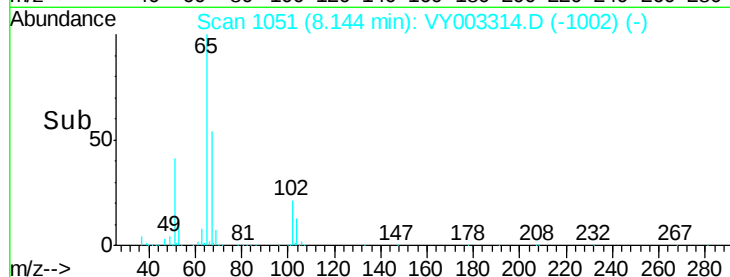
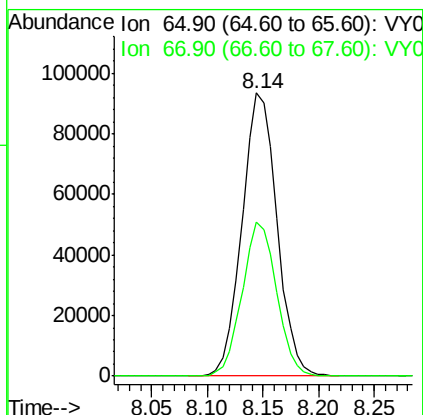
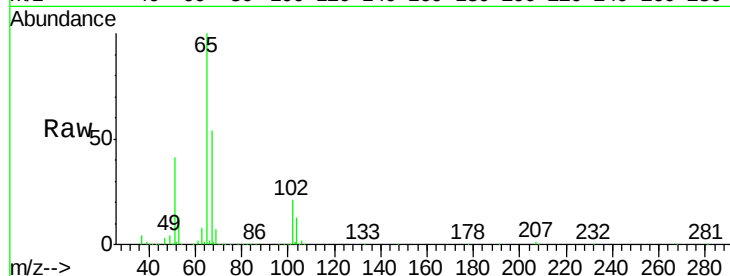




#33
 1,2-Dichloroethane-d4
 Concen: 57.544 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VY003314.D
 Acq: 23 Jul 2020 14:22

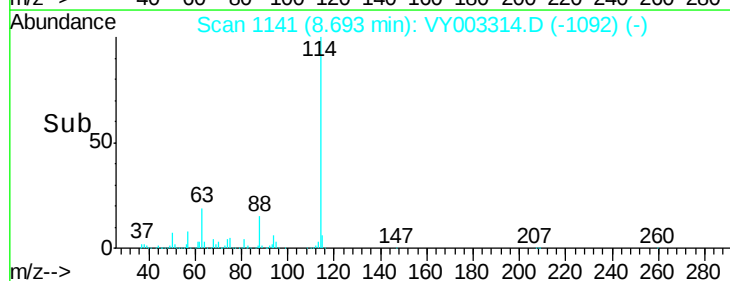
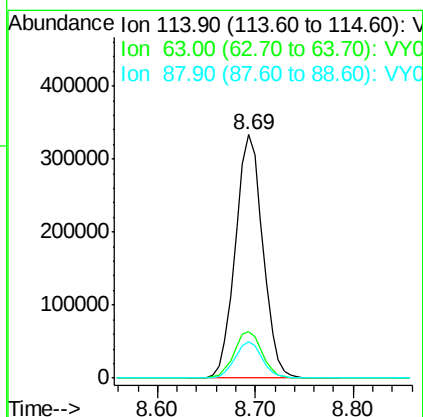
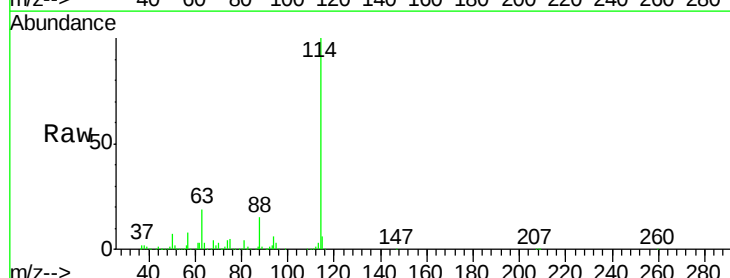
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241

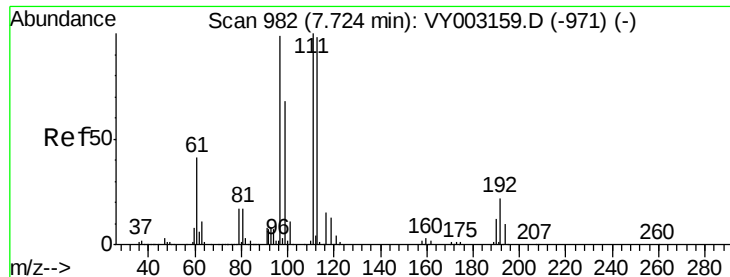
Tot Ion: 65 Resp: 204738
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY003314.D
 Acq: 23 Jul 2020 14:22

Tgt Ion: 114 Resp: 649774
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.2
 88 14.9 0.0 30.2

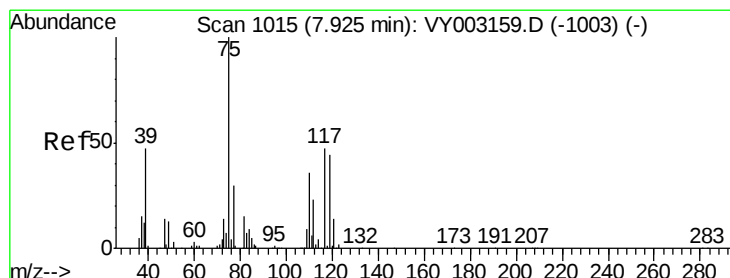
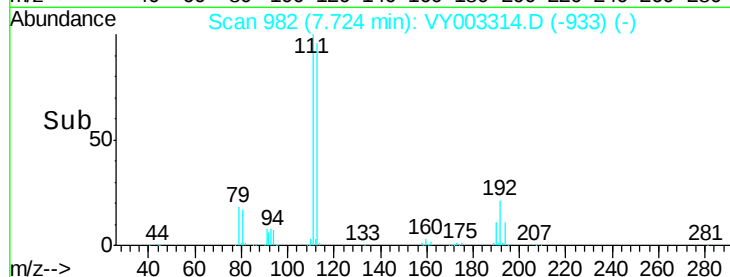
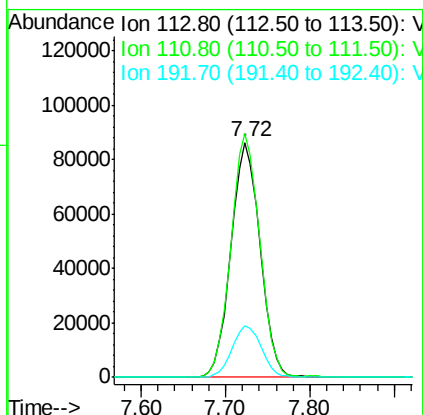
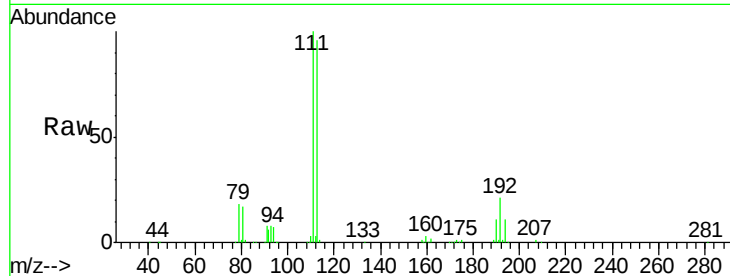




#35
 Dibromofluoromethane
 Concen: 53.948 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VY003314.D
 Acq: 23 Jul 2020 14:22

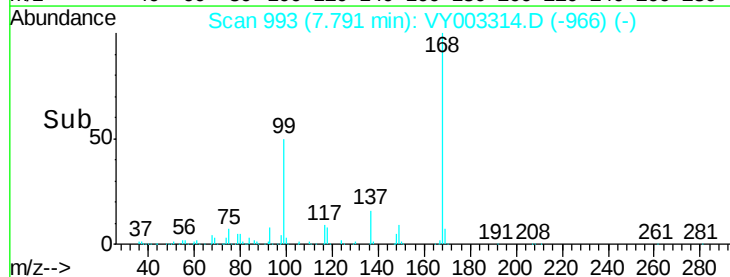
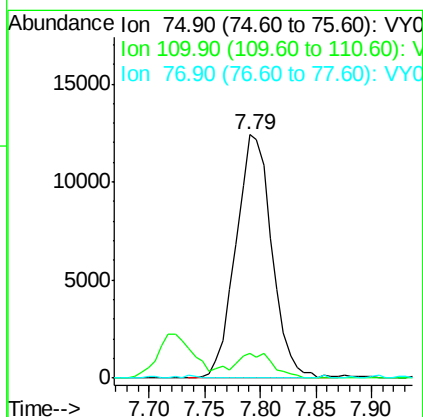
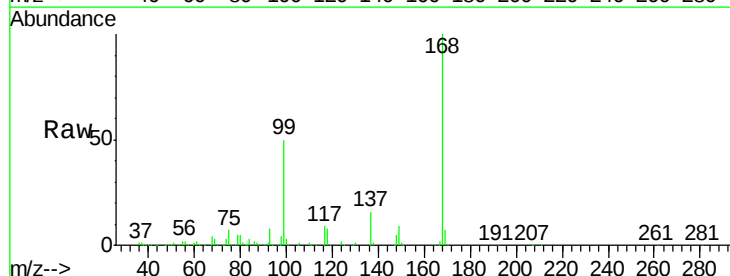
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241

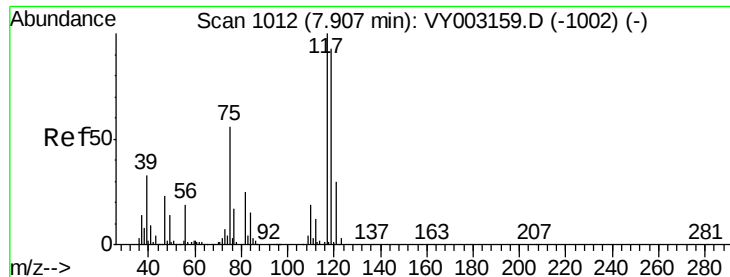
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.1	123.1
192	22.3	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.751 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.13 min
 Lab File: VY003314.D
 Acq: 23 Jul 2020 14:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.0	18.1	54.1#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.115 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.12 min

Lab File: VY003314.D

Acq: 23 Jul 2020 14:22

Instrument :

MSVOA_Y

ClientSampled :

VNJ-241

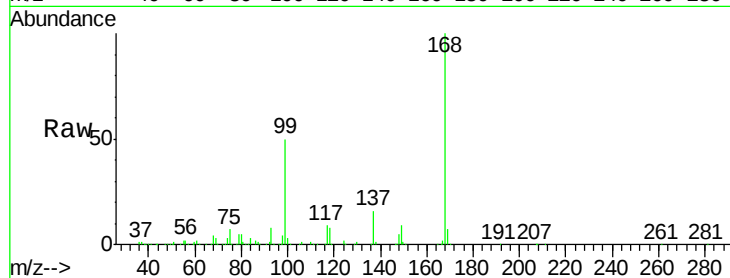
Tot Ion:117 Resp: 37179

Ion Ratio Lower Upper

117 100

119 5.2 74.5 111.7#

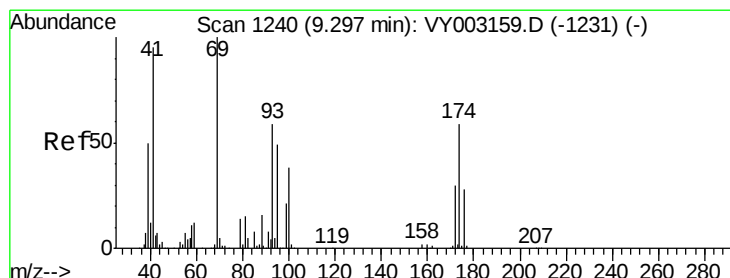
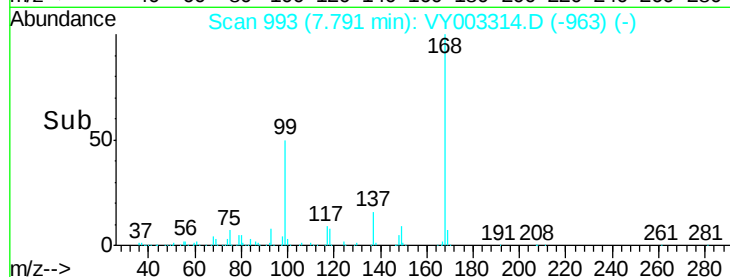
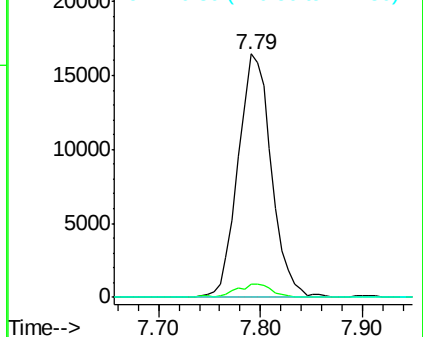
121 0.0 24.2 36.2#



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: 2.058 ug/l

RT: 9.11 min Scan# 1209

Delta R.T. -0.19 min

Lab File: VY003314.D

Acq: 23 Jul 2020 14:22

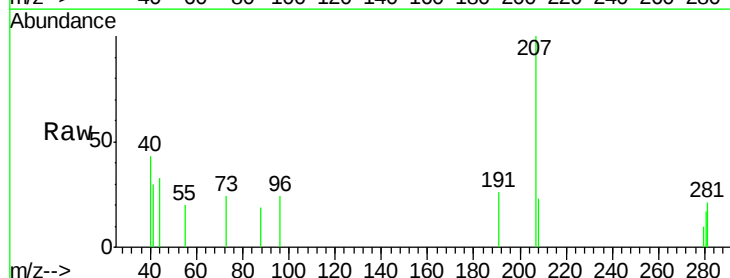
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

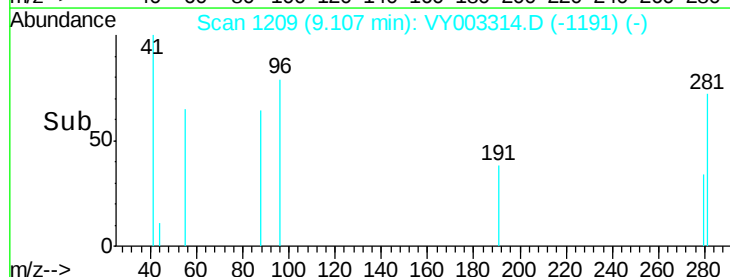
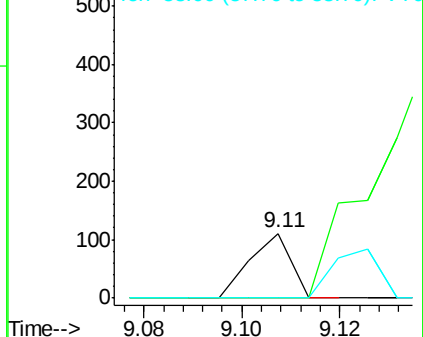
58 87.5 47.8 71.6#

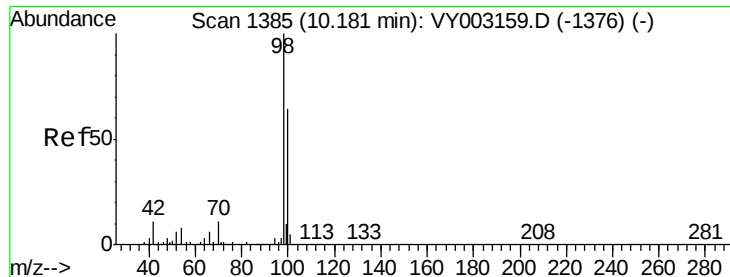


Abundance Ion 88.00 (87.70 to 88.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#50

Toluene-d8

Concen: 53.875 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY003314.D

Acq: 23 Jul 2020 14:22

Instrument :

MSVOA_Y

ClientSampleId :

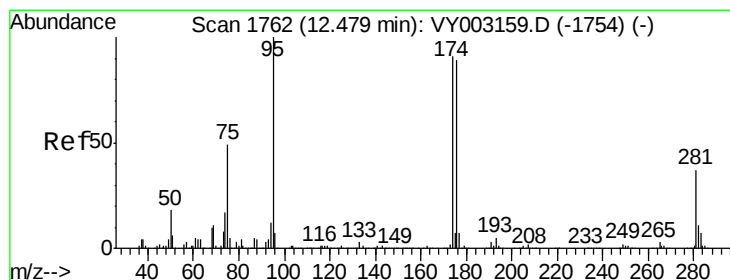
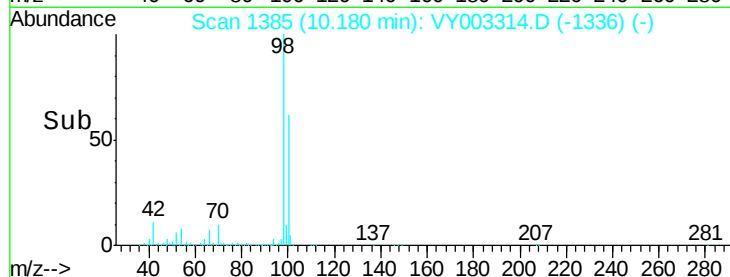
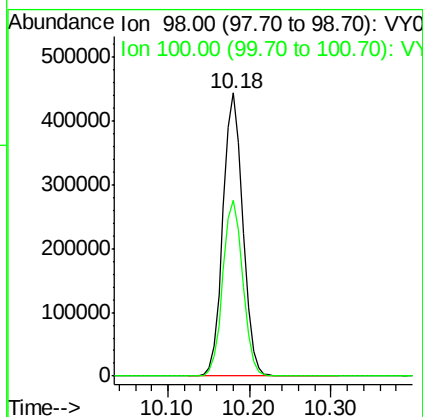
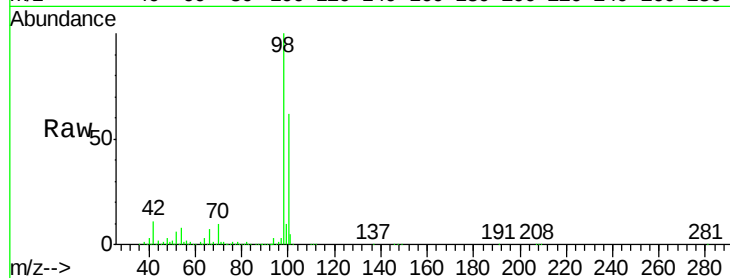
VNJ-241

Tot Ion: 98 Resp: 748975

Ion Ratio Lower Upper

98 100

100 62.4 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 37.321 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003314.D

Acq: 23 Jul 2020 14:22

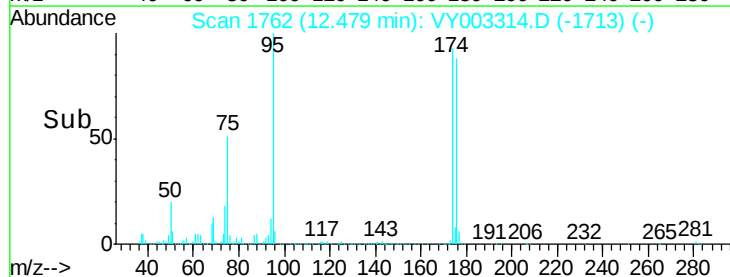
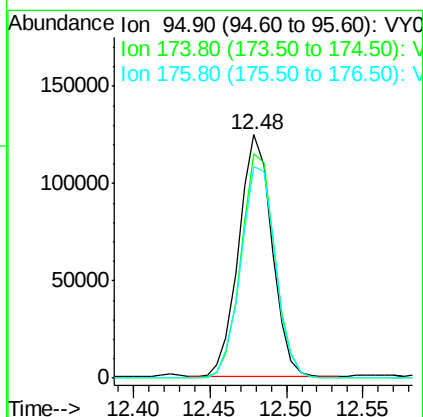
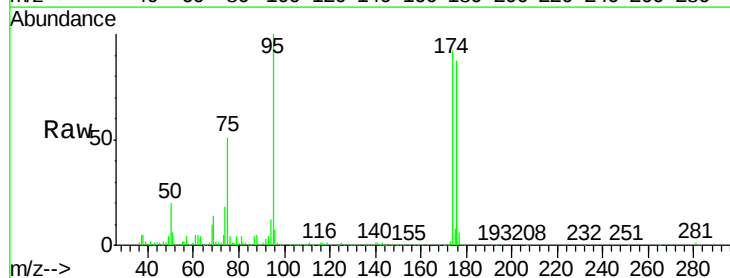
Tgt Ion: 95 Resp: 187438

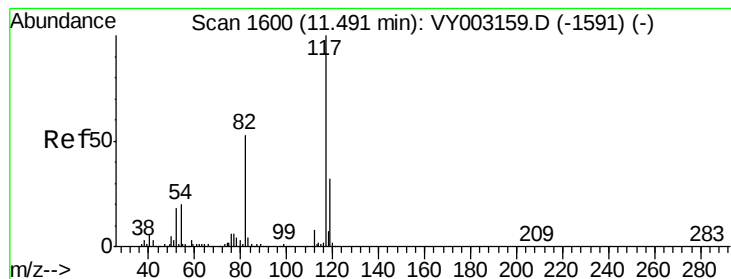
Ion Ratio Lower Upper

95 100

174 94.4 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: VY003314.D

Acq: 23 Jul 2020 14:22

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241

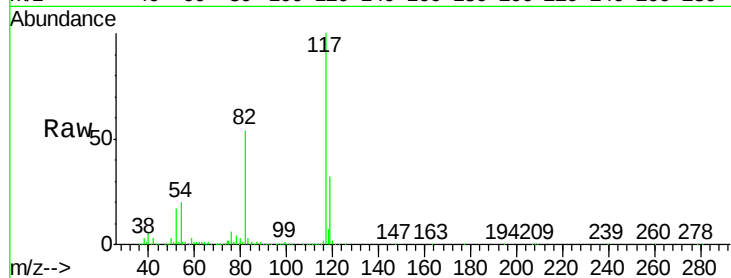
Tot Ion:117 Resp: 521822

Ion Ratio Lower Upper

117 100

82 54.0 42.0 63.0

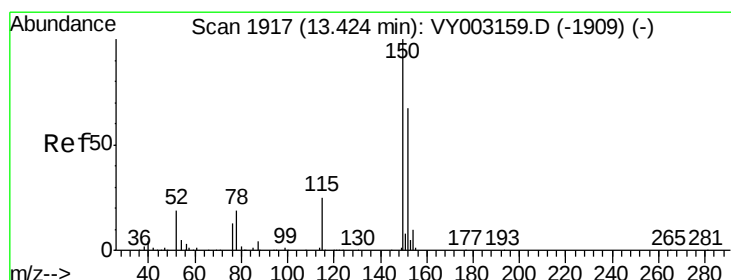
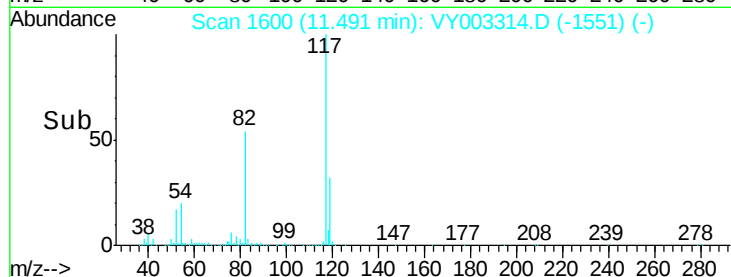
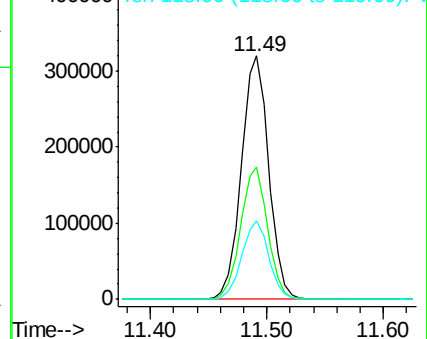
119 32.1 25.5 38.3



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: VY003314.D

Acq: 23 Jul 2020 14:22

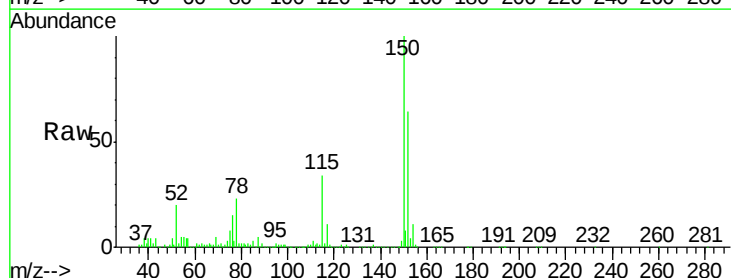
Tgt Ion:152 Resp: 159378

Ion Ratio Lower Upper

152 100

115 53.5 26.9 80.7

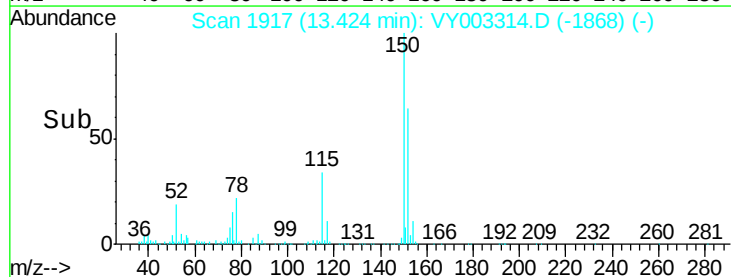
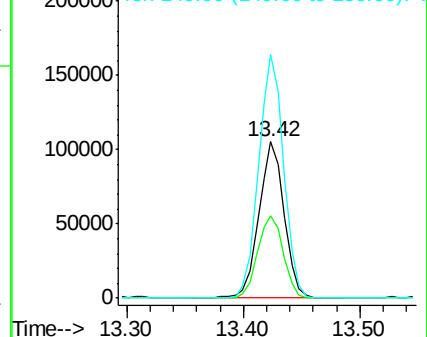
150 153.0 0.0 338.0

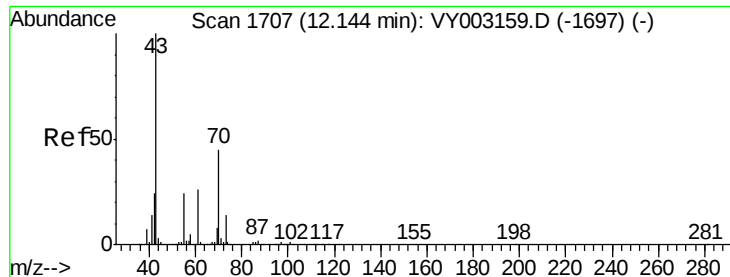


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 1.805 ug/l

RT: 12.13 min Scan# 1704

Delta R.T. -0.02 min

Lab File: VY003314.D

Acq: 23 Jul 2020 14:22

Instrument :

MSVOA_Y

ClientSampled :

VNJ-241

Tot Ion: 43 Resp: 5144

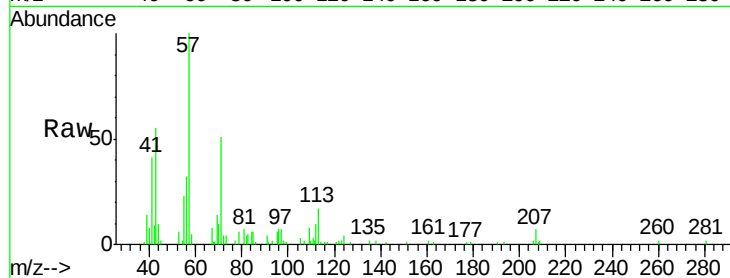
Ion Ratio Lower Upper

43 100

70 12.5 35.6 53.4#

55 11.9 19.4 29.2#

61 0.9 20.8 31.2#

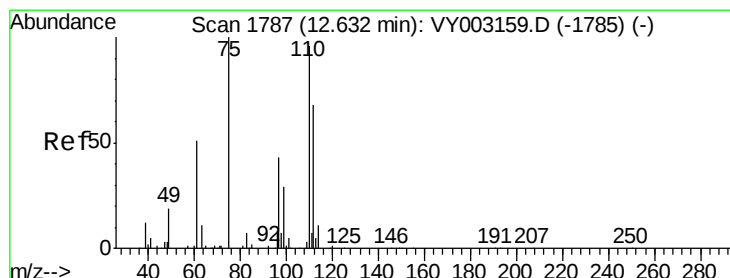
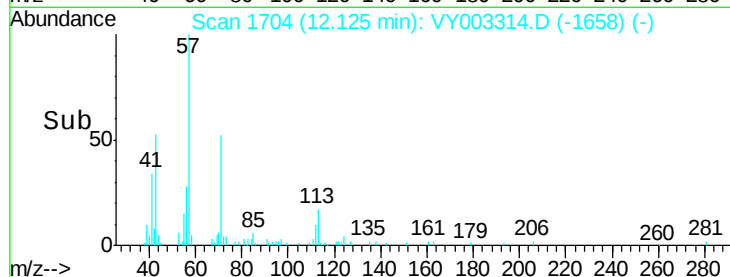
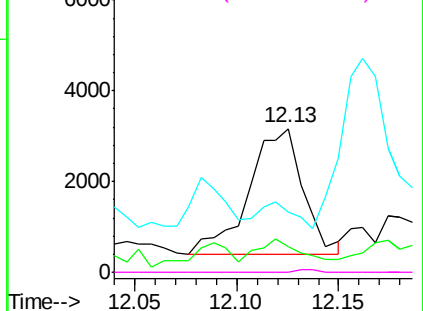


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



#76

1,2,3-Trichloropropane

Concen: 67.521 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003314.D

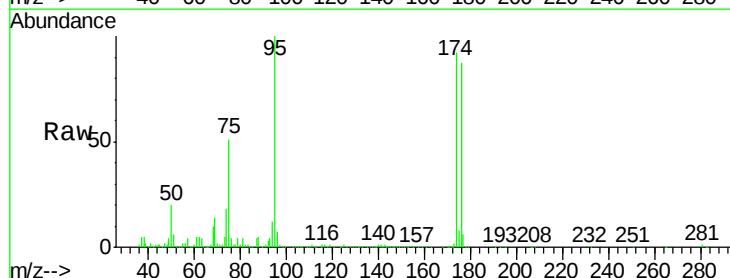
Acq: 23 Jul 2020 14:22

Tgt Ion: 75 Resp: 95256

Ion Ratio Lower Upper

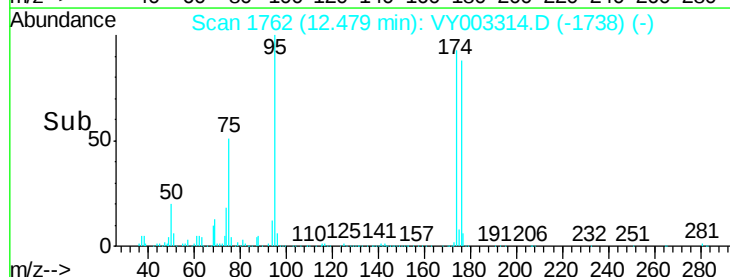
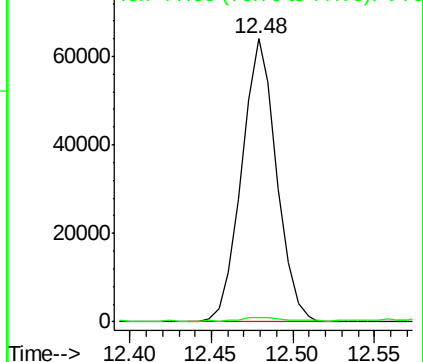
75 100

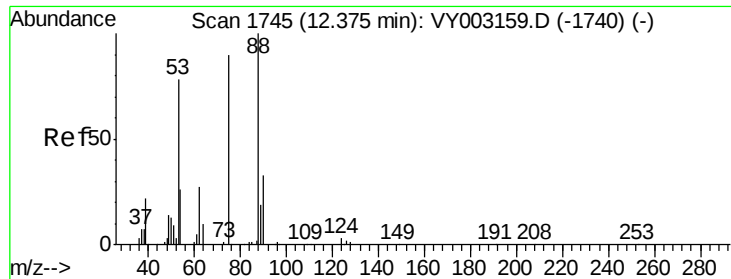
77 1.8 0.0 0.0#



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: 131.408 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003314.D

Acq: 23 Jul 2020 14:22

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241

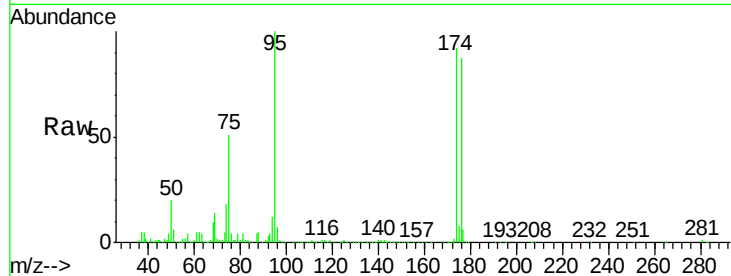
Tot Ion: 75 Resp: 95256

Ion Ratio Lower Upper

75 100

53 0.8 72.0 108.0#

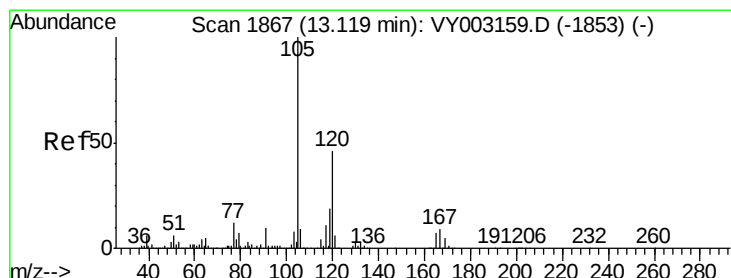
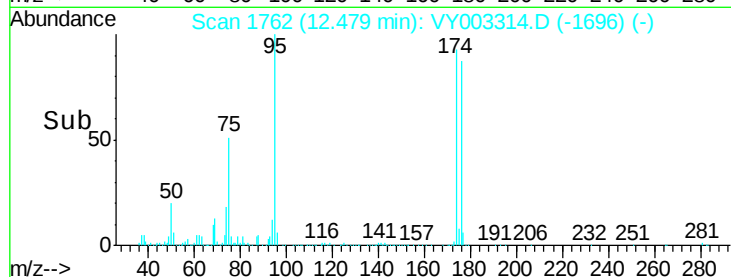
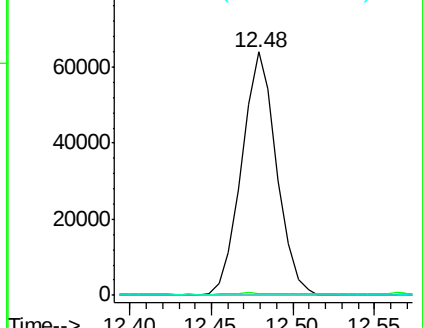
89 0.2 37.3 55.9#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.146 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VY003314.D

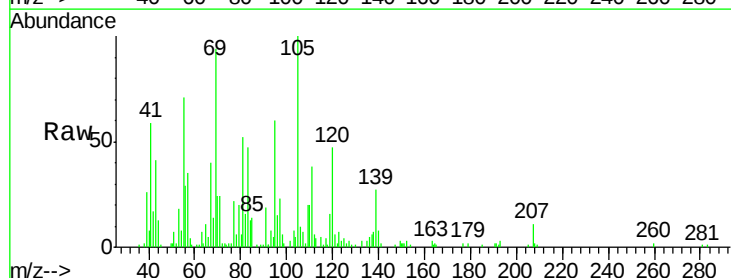
Acq: 23 Jul 2020 14:22

Tgt Ion: 105 Resp: 9760

Ion Ratio Lower Upper

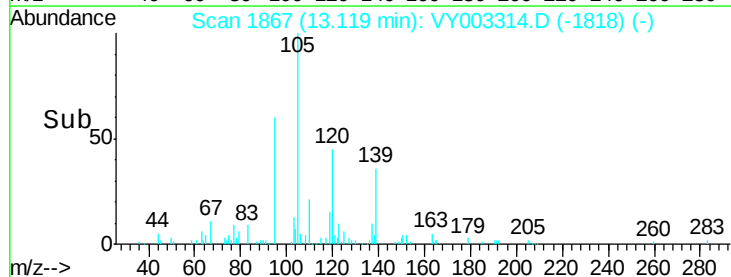
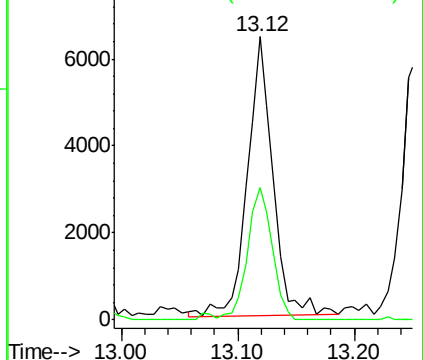
105 100

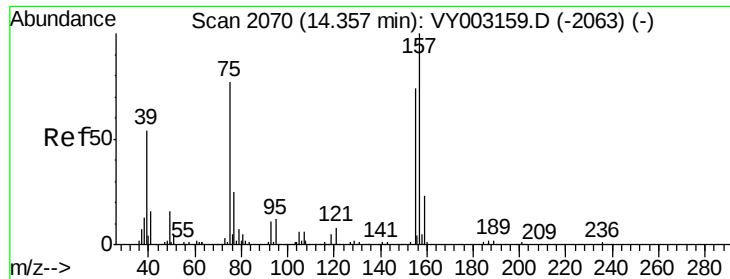
120 46.0 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

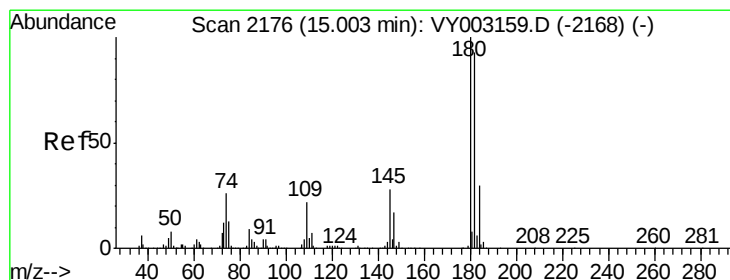
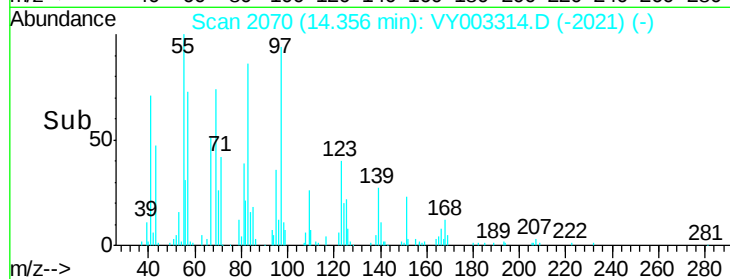
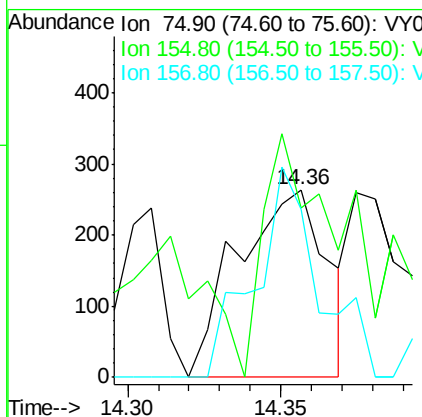
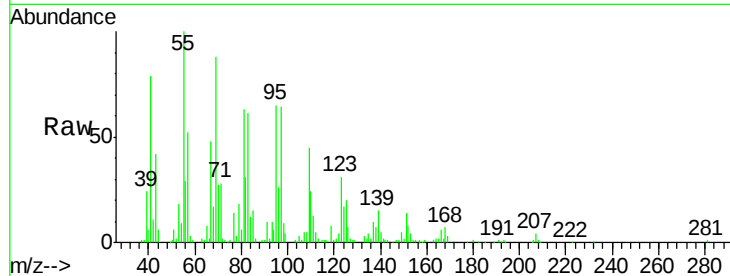




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.679 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY003314.D
 Acq: 23 Jul 2020 14:22

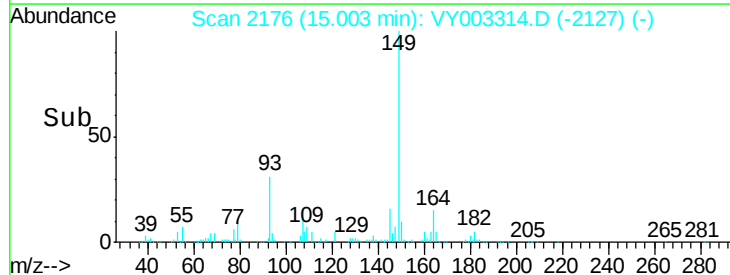
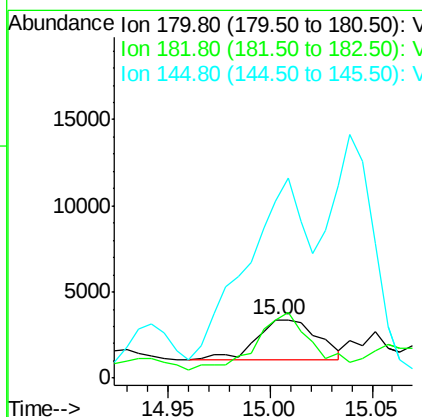
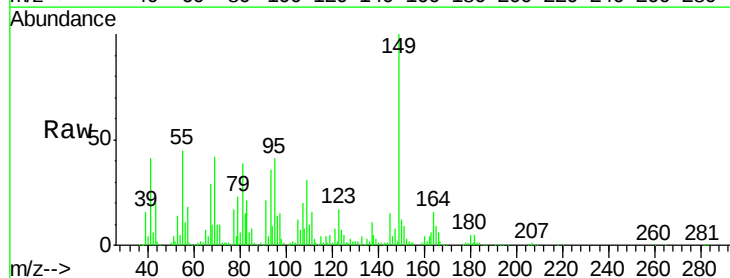
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-241

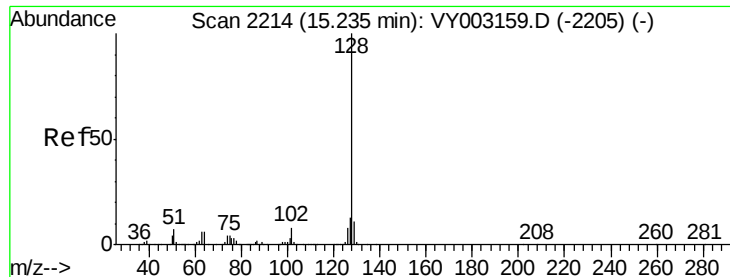
Tot Ion: 75 Resp: 534
 Ion Ratio Lower Upper
 75 100
 155 109.7 48.1 144.3
 157 81.3 61.9 185.6



#93
 1,2,4-Trichlorobenzene
 Concen: 1.541 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY003314.D
 Acq: 23 Jul 2020 14:22

Tgt Ion:180 Resp: 4710
 Ion Ratio Lower Upper
 180 100
 182 133.0 47.3 142.0
 145 535.1 13.7 41.1#





#95

Naphthalene

Concen: 2.553 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VY003314.D

Acq: 23 Jul 2020 14:22

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-241

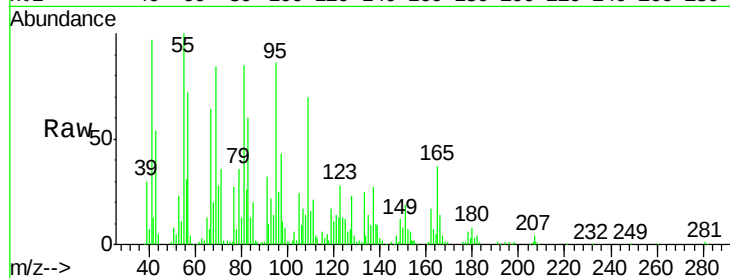
Tot Ion:128 Resp: 12897

Ion Ratio Lower Upper

128 100

127 34.5 10.9 16.3#

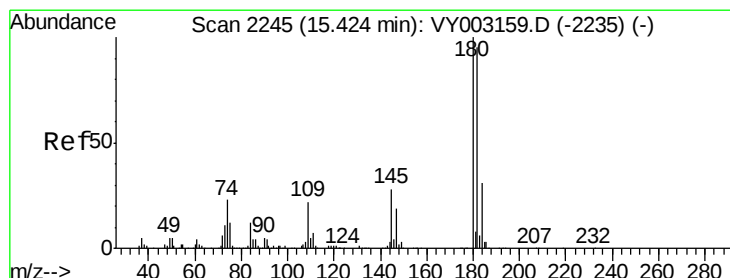
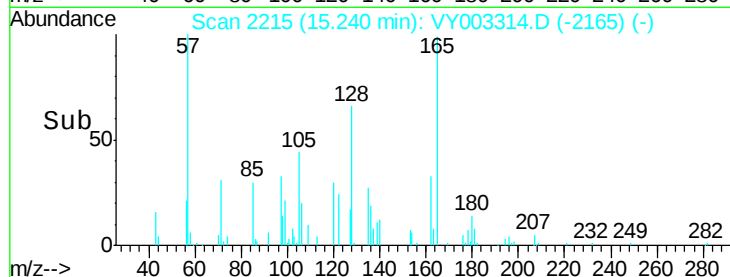
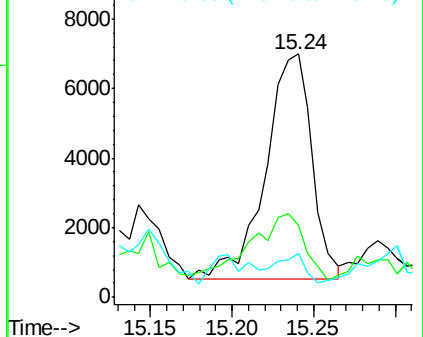
129 6.8 9.0 13.6#



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: 3.468 ug/l

RT: 15.44 min Scan# 2248

Delta R.T. 0.02 min

Lab File: VY003314.D

Acq: 23 Jul 2020 14:22

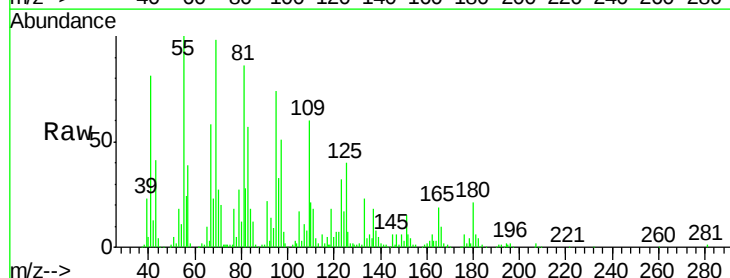
Tgt Ion:180 Resp: 8379

Ion Ratio Lower Upper

180 100

182 61.7 48.8 146.3

145 0.0 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

