

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
 Data File : VY003315.D
 Acq On : 23 Jul 2020 14:46
 Operator : SY/MD
 Sample : L3380-05
 Misc : 7.81G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-242

Quant Time: Jul 24 04:39:25 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	438580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	679817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	573165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	188612	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	212262	57.34	ug/l	0.00
Spiked Amount			Recovery	=	114.68%	
35) Dibromofluoromethane	7.72	113	208597	53.32	ug/l	0.00
Spiked Amount			Recovery	=	106.64%	
50) Toluene-d8	10.18	98	806810	55.47	ug/l	0.00
Spiked Amount			Recovery	=	110.94%	
62) 4-Bromofluorobenzene	12.48	95	213032	40.54	ug/l	0.00
Spiked Amount			Recovery	=	81.08%	

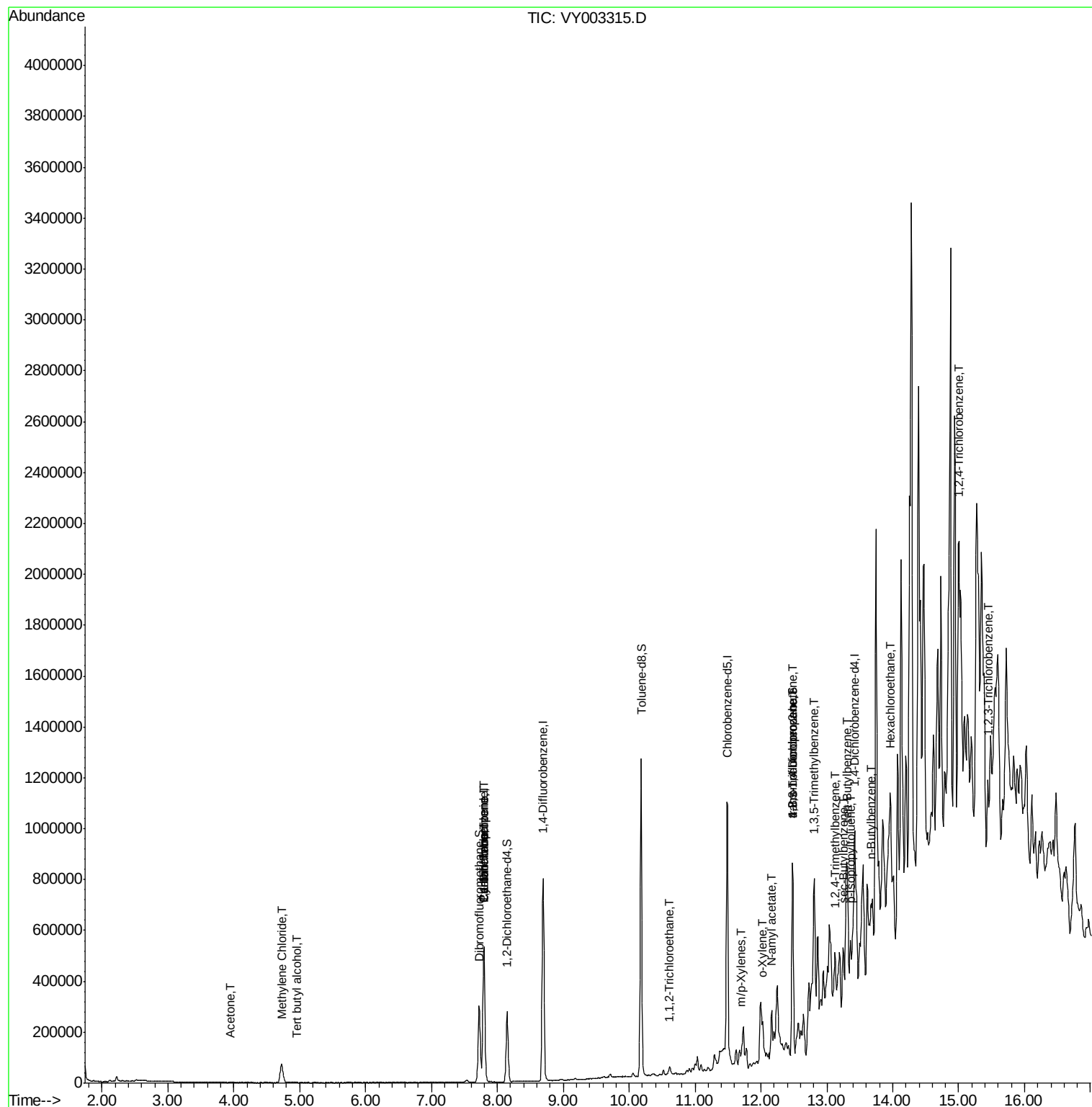
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	1109	2.771	ug/l #	86
16) Acetone	3.94	43	1957	2.367	ug/l	92
20) Methylene Chloride	4.72	84	55948	8.935	ug/l	91
31) Cyclohexane	7.79	56	7778	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	30502	4.951	ug/l #	50
38) Carbon Tetrachloride	7.79	117	40375	6.348	ug/l #	17
55) 1,1,2-Trichloroethane	10.62	97	11535	3.175	ug/l #	18
68) m/p-Xylenes	11.70	106	8674	1.160	ug/l	92
69) o-Xylene	12.03	106	15777	2.258	ug/l	98
74) N-amyl acetate	12.16	43	5363	1.590	ug/l #	1
76) 1,2,3-Trichloropropane	12.48	75	105014	62.900	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.81	105	39817	3.975	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.48	75	105014	122.415	ug/l #	15
83) tert-Butylbenzene	13.31	119	33918	3.837	ug/l	76
84) 1,2,4-Trimethylbenzene	13.12	105	64040	6.353	ug/l	99
85) sec-Butylbenzene	13.25	105	15458	1.272	ug/l	90
86) p-Isopropyltoluene	13.37	119	45315	3.995	ug/l	92
89) n-Butylbenzene	13.67	91	25154	2.357	ug/l #	1
90) Hexachloroethane	13.97	117	4621	2.237	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.00	180	4847	1.340	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.44	180	24347	8.515	ug/l #	11

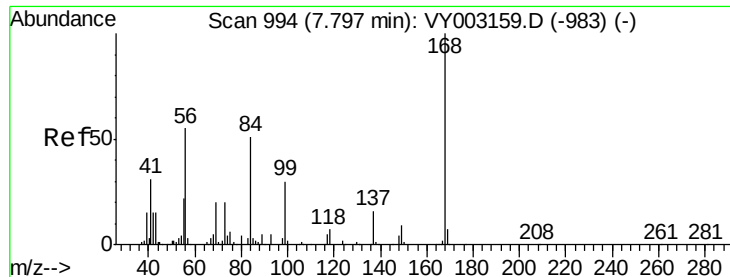
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
Data File : VY003315.D
Acq On : 23 Jul 2020 14:46
Operator : SY/MD
Sample : L3380-05
Misc : 7.81G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-242

Quant Time: Jul 24 04:39:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 10 13:18:03 2020
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: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampled :

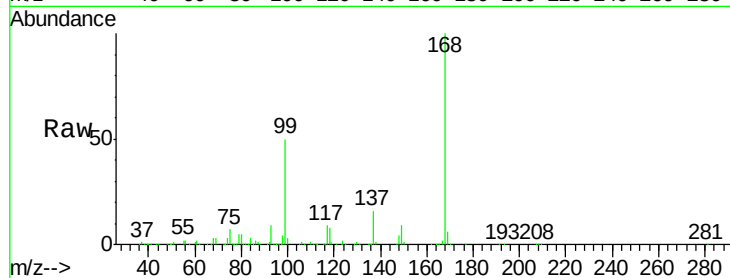
VNJ-242

Tot Ion:168 Resp: 438580

Ion Ratio Lower Upper

168 100

99 50.2 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): VY003315.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY003315.D (-945) (-)

7.80

200000

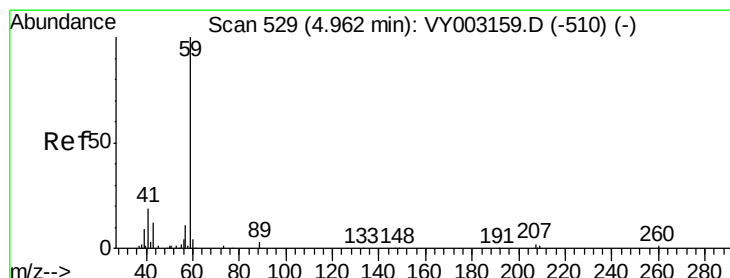
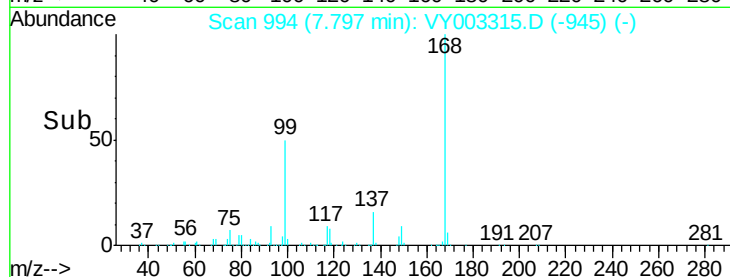
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 2.771 ug/l

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY003315.D

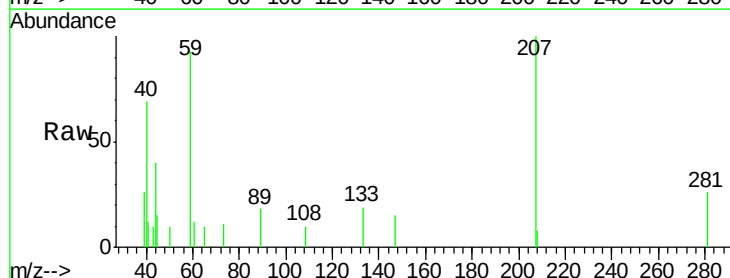
Acq: 23 Jul 2020 14:46

Tgt Ion: 59 Resp: 1109

Ion Ratio Lower Upper

59 100

57 5.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VY003315.D (-480) (-)

Ion 57.00 (56.70 to 57.70): VY003315.D (-480) (-)

4.96

600

500

400

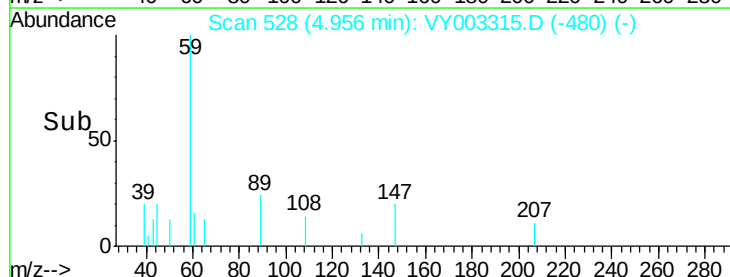
300

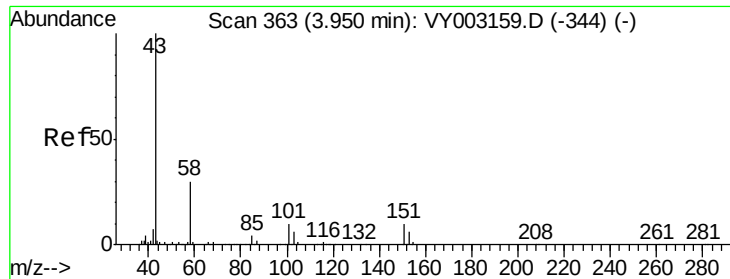
200

100

0

Time-->

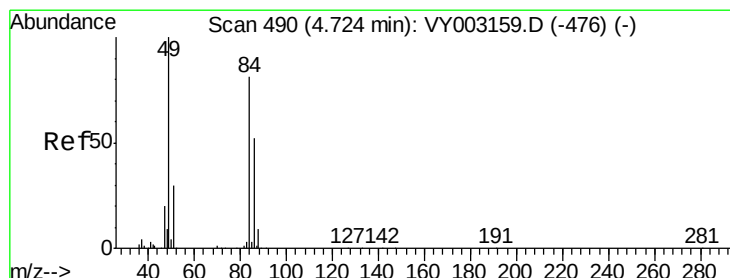
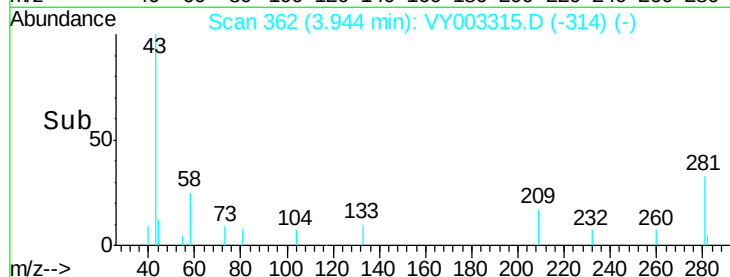
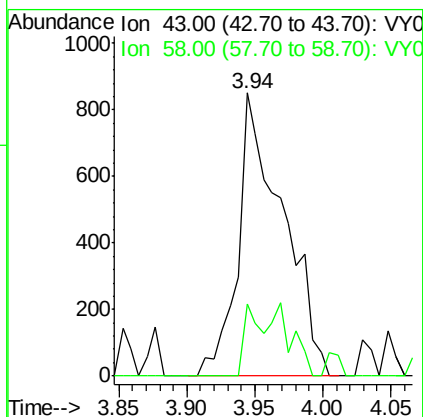
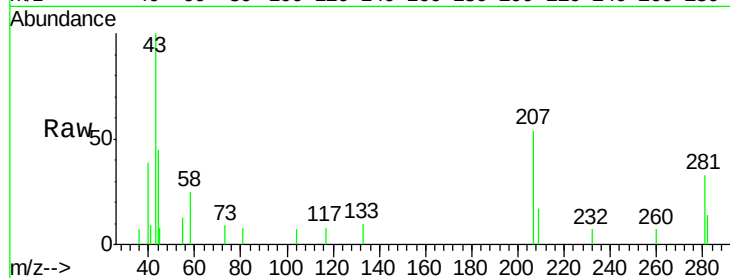




#16
Acetone
Concen: 2.367 ug/l
RT: 3.94 min Scan# 362
Delta R.T. -0.01 min
Lab File: VY003315.D
Acq: 23 Jul 2020 14:46

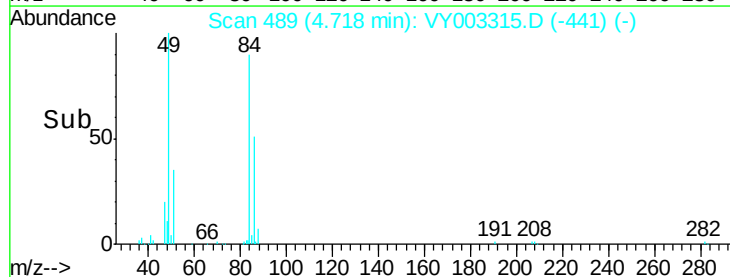
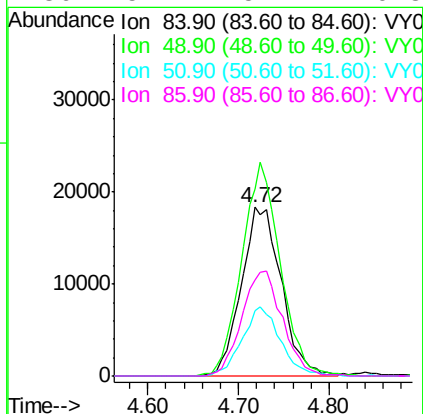
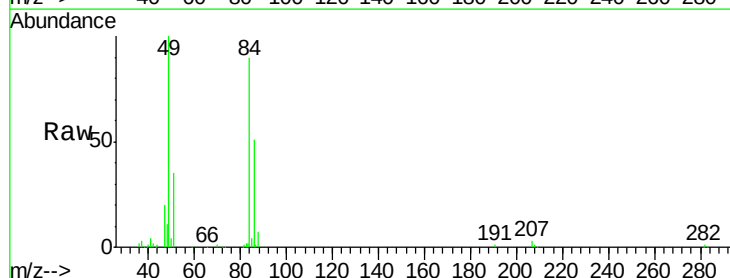
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-242

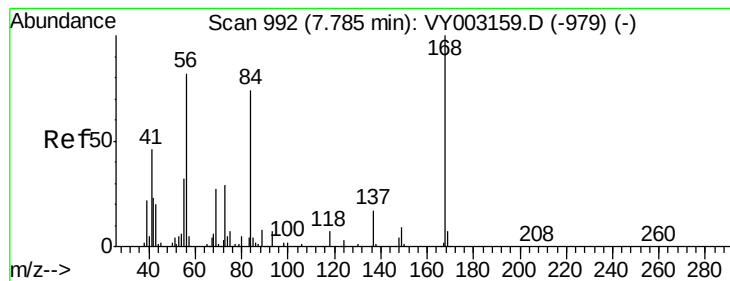
Tot Ion: 43 Resp: 1957
Ion Ratio Lower Upper
43 100
58 25.4 23.8 35.6



#20
Methylene Chloride
Concen: 8.935 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY003315.D
Acq: 23 Jul 2020 14:46

Tgt Ion: 84 Resp: 55948
Ion Ratio Lower Upper
84 100
49 111.2 98.2 147.4
51 38.4 29.8 44.6
86 57.1 51.2 76.8





#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-242

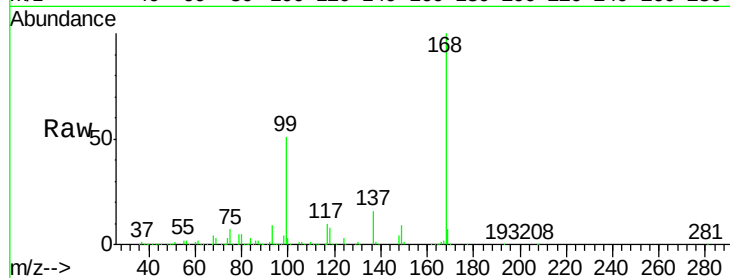
Tot Ion: 56 Resp: 7778

Ion Ratio Lower Upper

56 100

69 168.6 26.7 40.1#

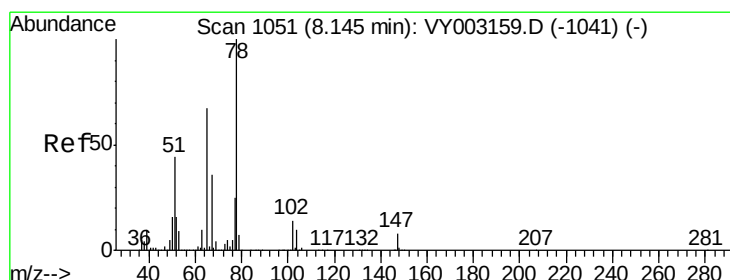
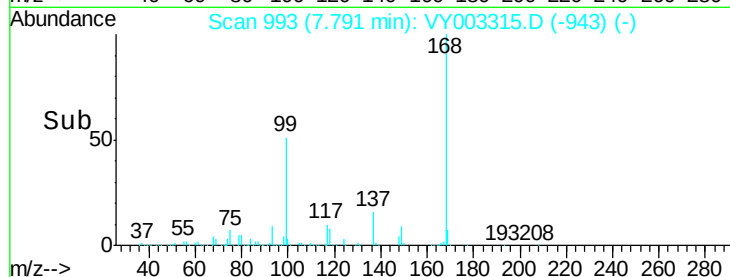
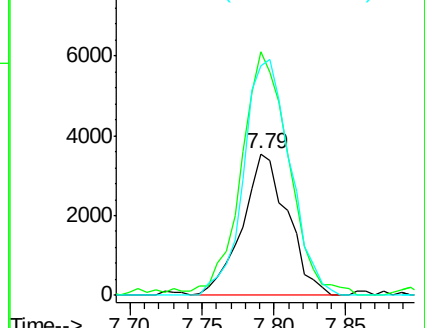
84 172.6 72.3 108.5#



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: 57.341 ug/l

RT: 8.14 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VY003315.D

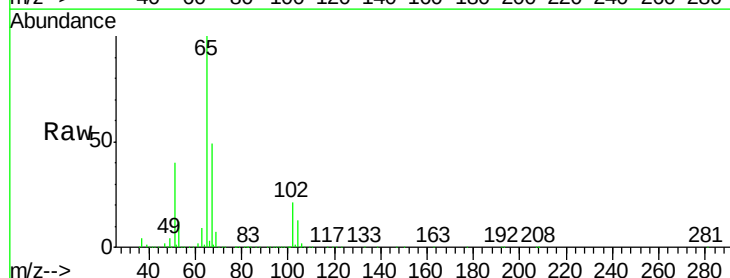
Acq: 23 Jul 2020 14:46

Tgt Ion: 65 Resp: 212262

Ion Ratio Lower Upper

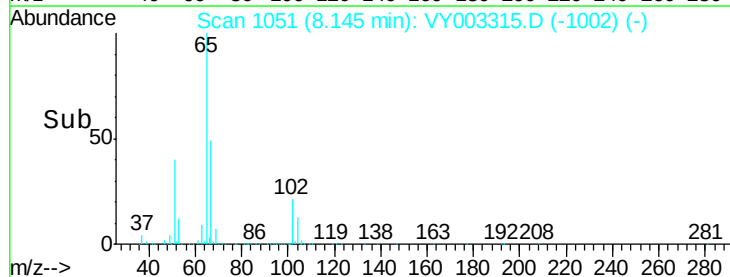
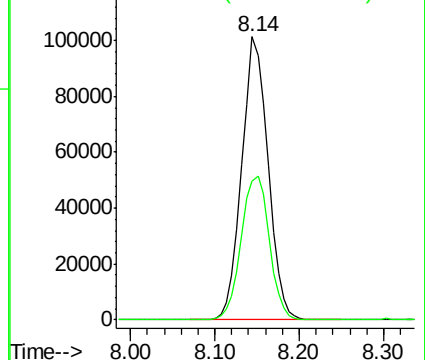
65 100

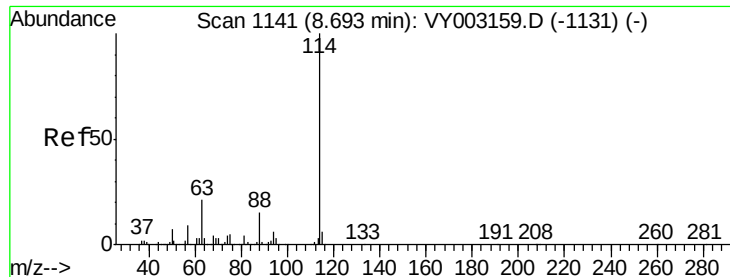
67 54.3 0.0 105.2



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: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-242

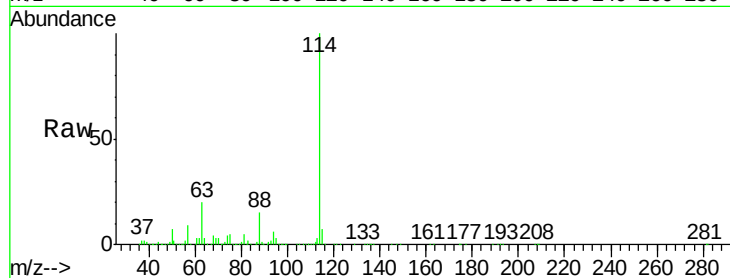
Tot Ion:114 Resp: 679817

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.2

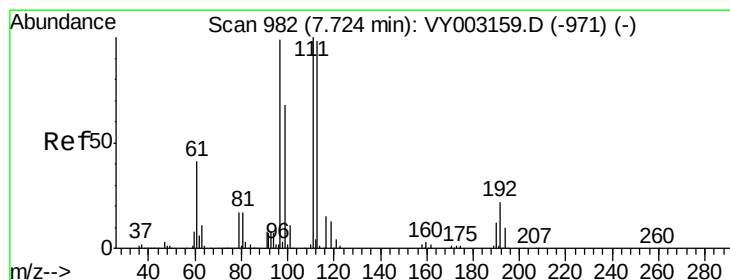
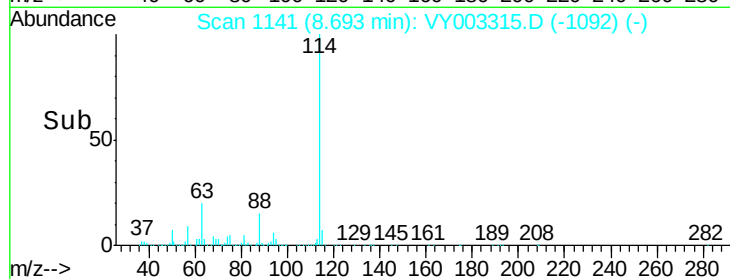
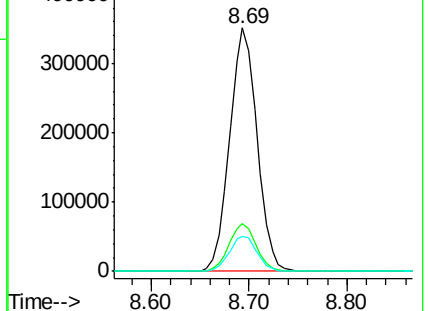
88 14.6 0.0 30.2



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: 53.320 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

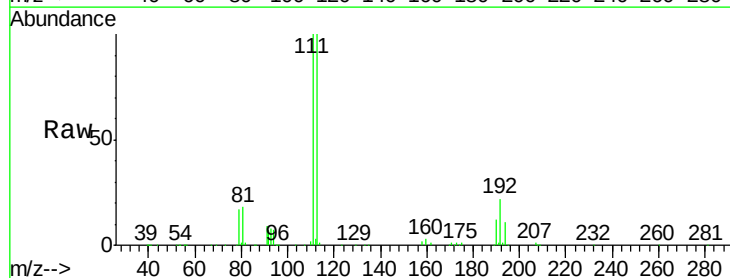
Tgt Ion:113 Resp: 208597

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

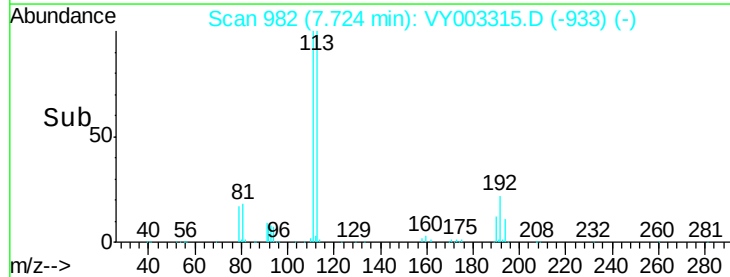
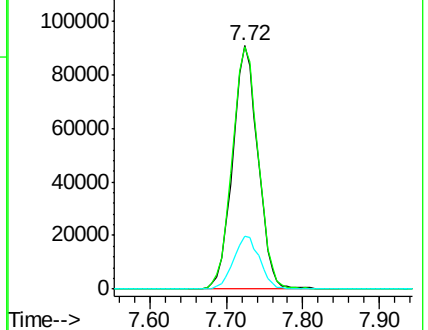
192 22.3 18.8 28.2

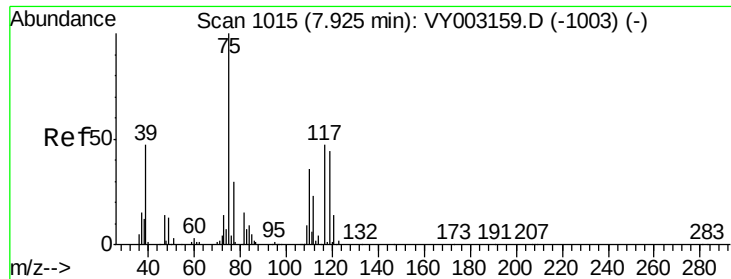


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

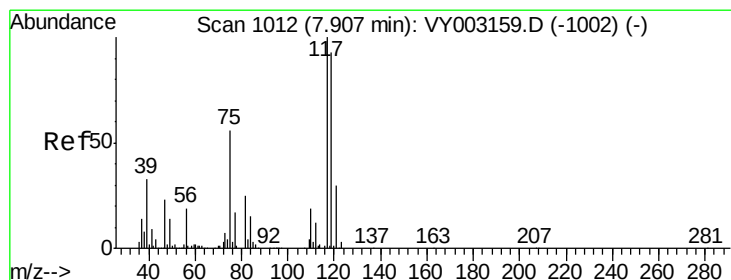
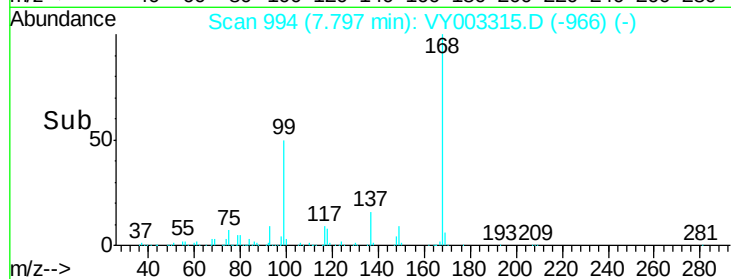
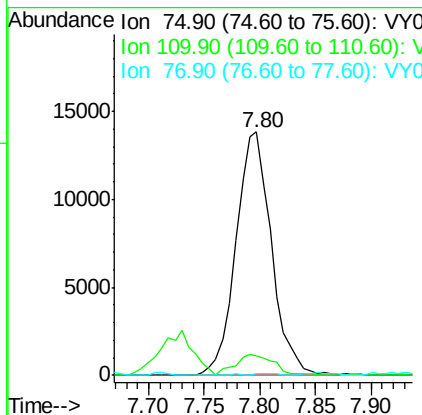
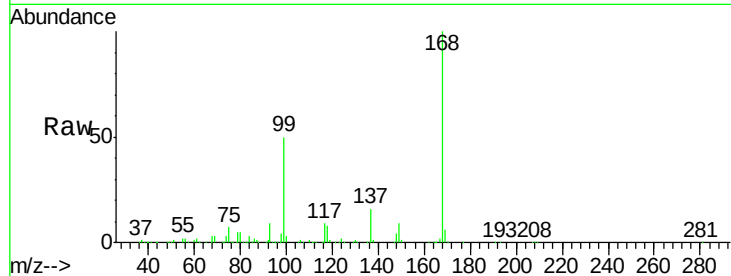




#36
 1,1-Dichloropropene
 Concen: 4.951 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY003315.D
 Acq: 23 Jul 2020 14:46

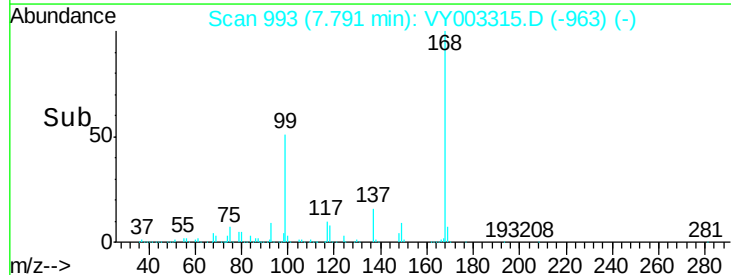
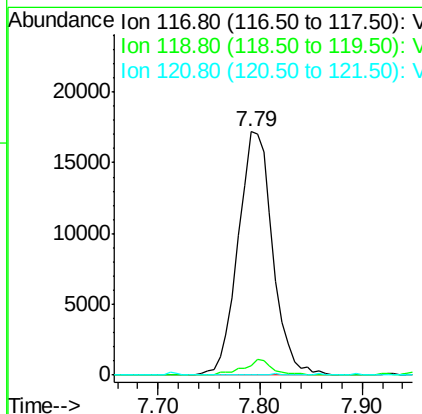
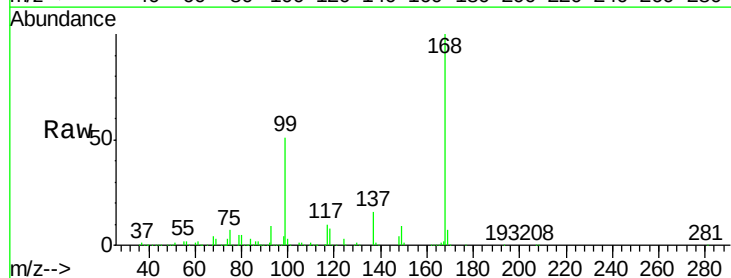
Instrument :
 MSVOA_Y
 ClientSampled :
 VNJ-242

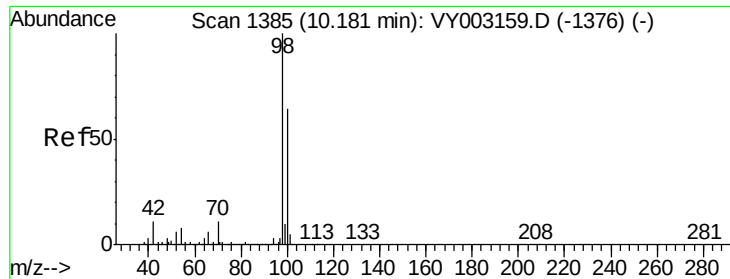
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.4	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.348 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.12 min
 Lab File: VY003315.D
 Acq: 23 Jul 2020 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.1	74.5	111.7#
121	0.4	24.2	36.2#





#50

Toluene-d8

Concen: 55.471 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampled :

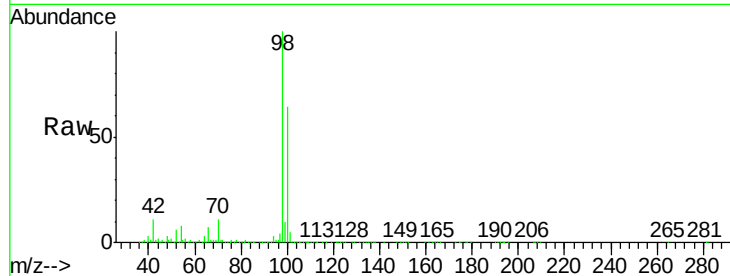
VNJ-242

Tot Ion: 98 Resp: 806810

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

10.18

500000

400000

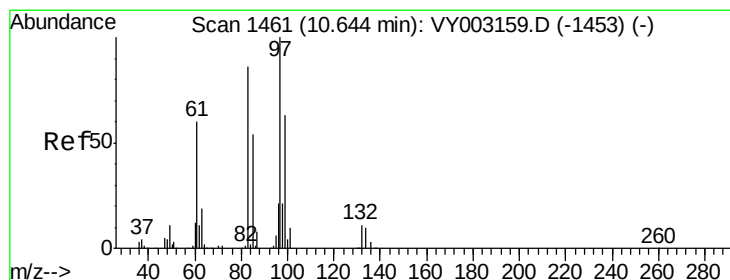
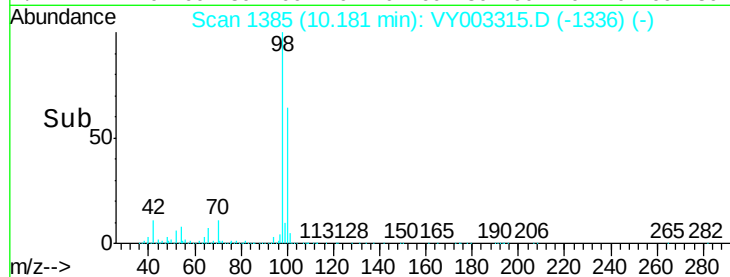
300000

200000

100000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 3.175 ug/l

RT: 10.62 min Scan# 1457

Delta R.T. -0.02 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Tgt Ion: 97 Resp: 11535

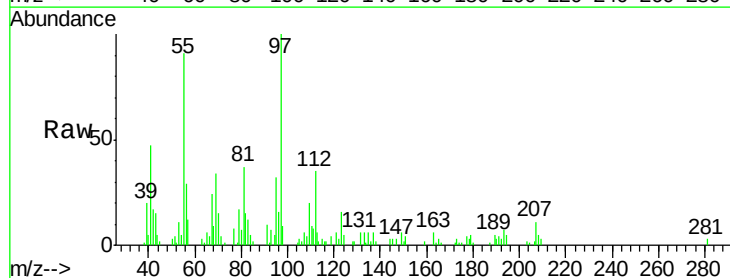
Ion Ratio Lower Upper

97 100

83 5.9 68.8 103.2#

85 1.8 43.1 64.7#

99 0.0 50.8 76.2#



Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

10000

8000

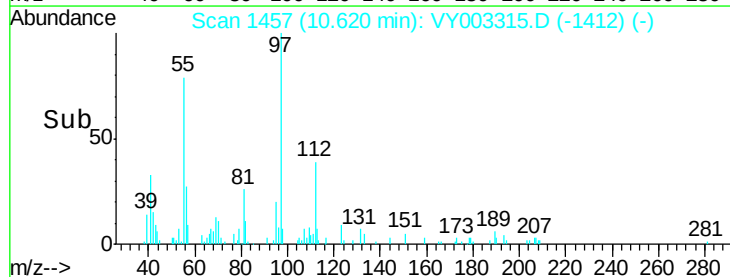
6000

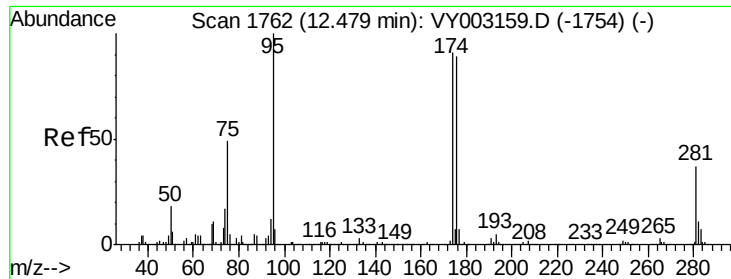
4000

2000

0

Time-->

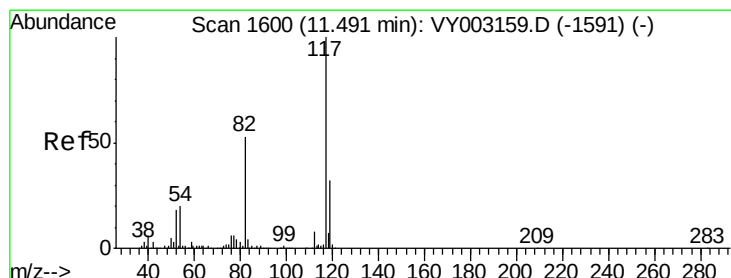
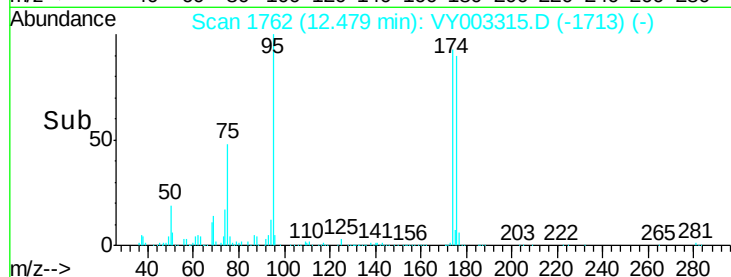
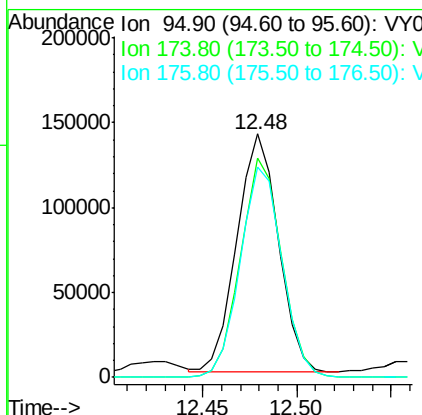
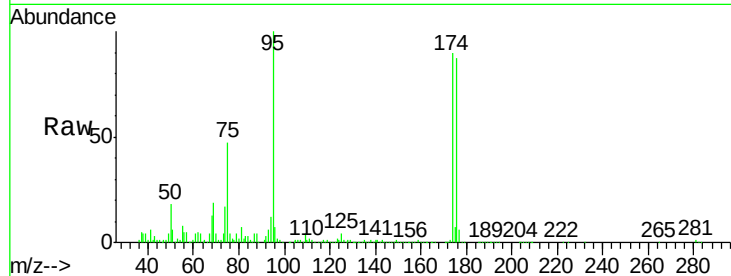




#62
4-Bromofluorobenzene
Concen: 40.543 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY003315.D
Acq: 23 Jul 2020 14:46

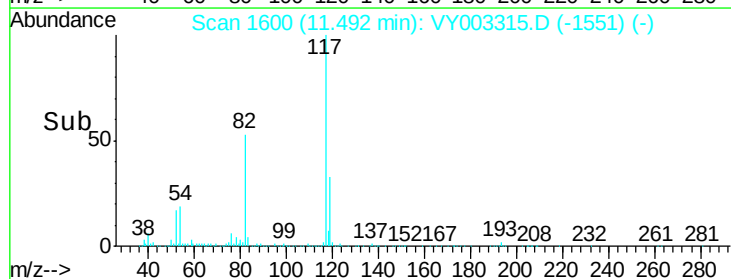
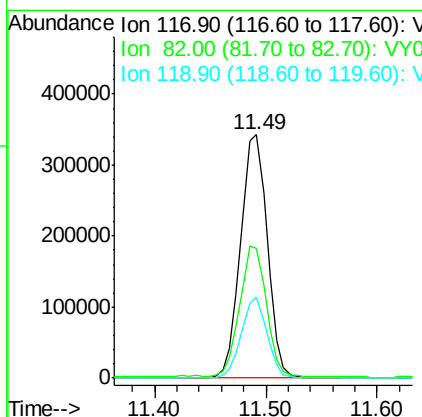
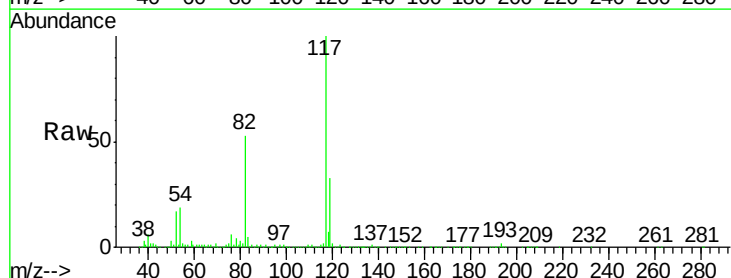
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-242

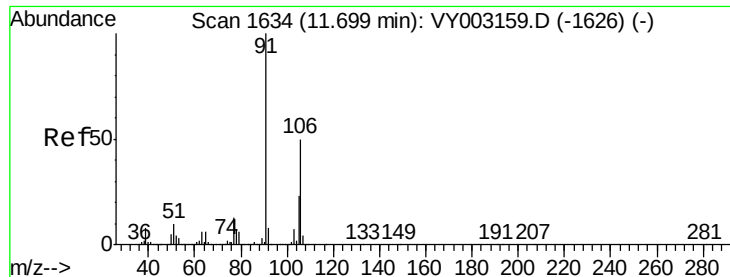
Tot Ion: 95 Resp: 213032
Ion Ratio Lower Upper
95 100
174 92.3 0.0 190.6
176 89.8 0.0 186.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY003315.D
Acq: 23 Jul 2020 14:46

Tgt Ion: 117 Resp: 573165
Ion Ratio Lower Upper
117 100
82 52.6 42.0 63.0
119 33.1 25.5 38.3





#68

m/p-Xylenes

Concen: 1.160 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

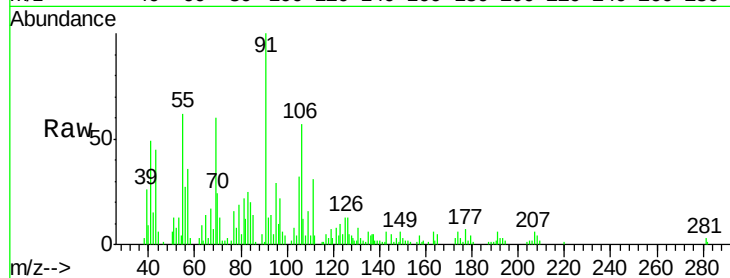
VNJ-242

Tot Ion:106 Resp: 8674

Ion Ratio Lower Upper

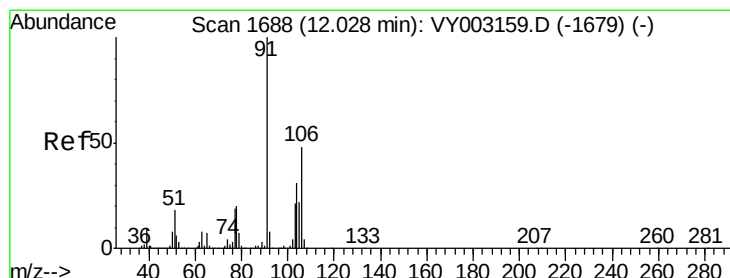
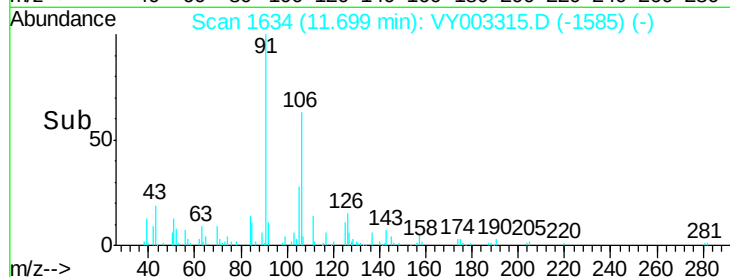
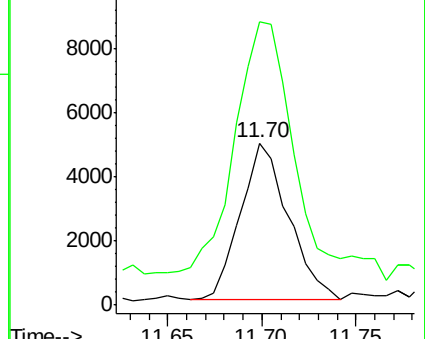
106 100

91 210.4 159.0 238.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#69

o-Xylene

Concen: 2.258 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VY003315.D

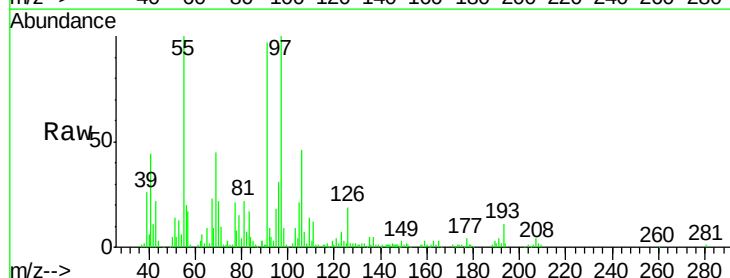
Acq: 23 Jul 2020 14:46

Tgt Ion:106 Resp: 15777

Ion Ratio Lower Upper

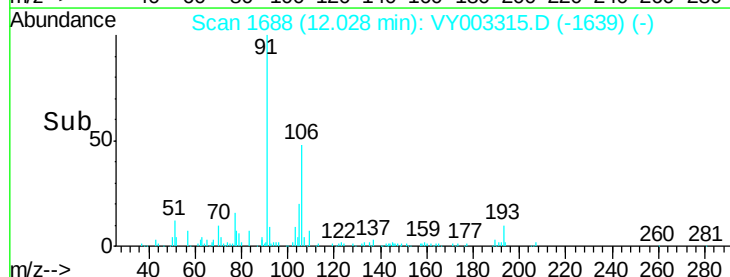
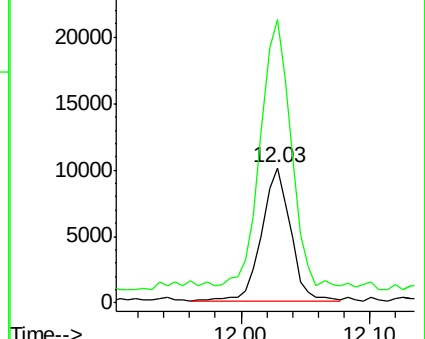
106 100

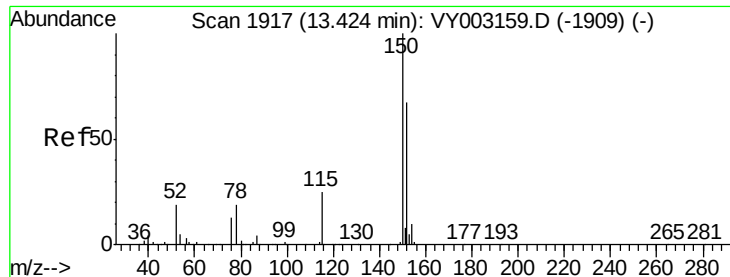
91 213.8 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-242

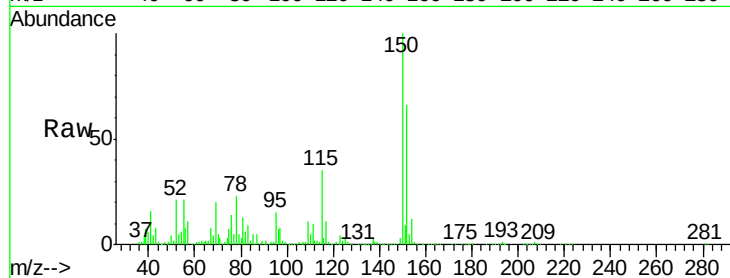
Tot Ion:152 Resp: 188612

Ion Ratio Lower Upper

152 100

115 47.0 26.9 80.7

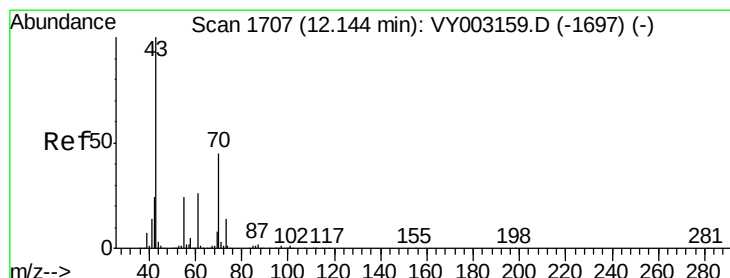
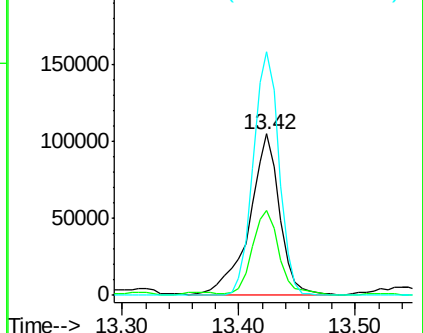
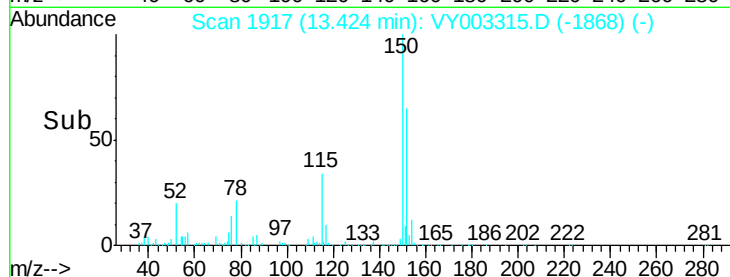
150 129.6 0.0 338.0



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-amyl acetate

Concen: 1.590 ug/l

RT: 12.16 min Scan# 1710

Delta R.T. 0.02 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Tgt Ion: 43 Resp: 5363

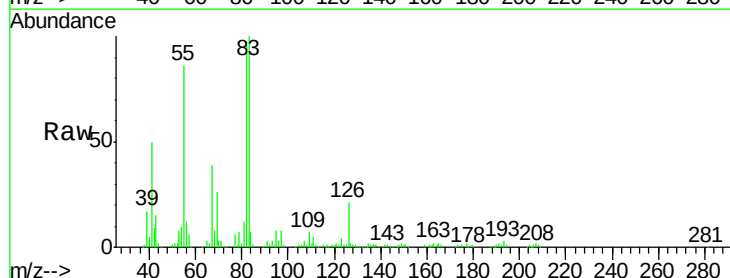
Ion Ratio Lower Upper

43 100

70 0.0 35.6 53.4#

55 1026.6 19.4 29.2#

61 0.0 20.8 31.2#

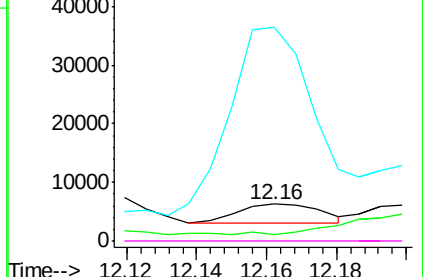
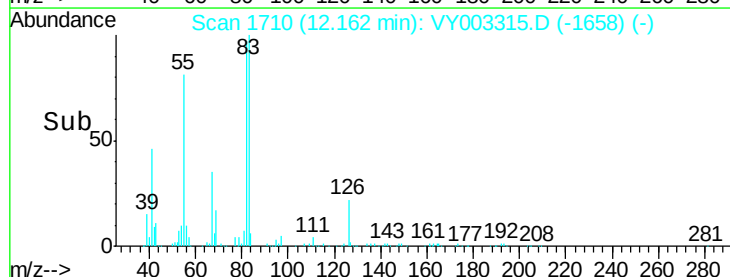


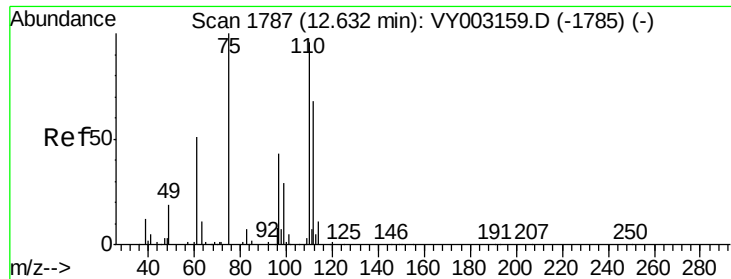
Abundance Ion 43.00 (42.70 to 43.70): VY0

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: 62.900 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

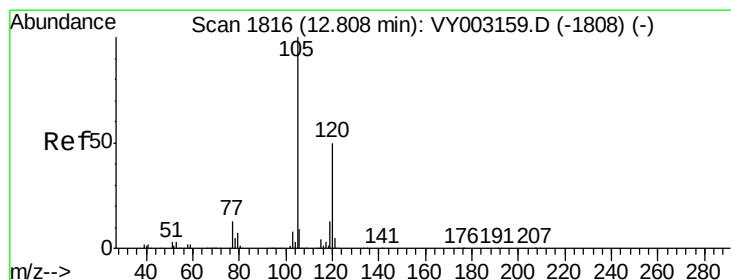
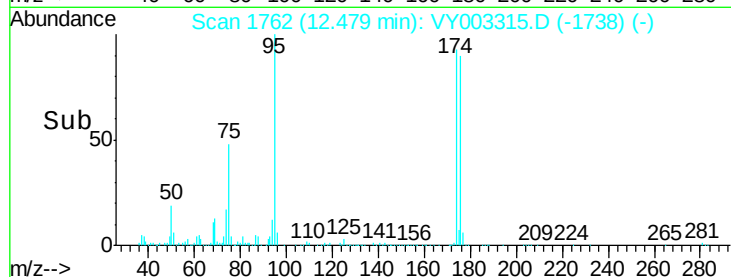
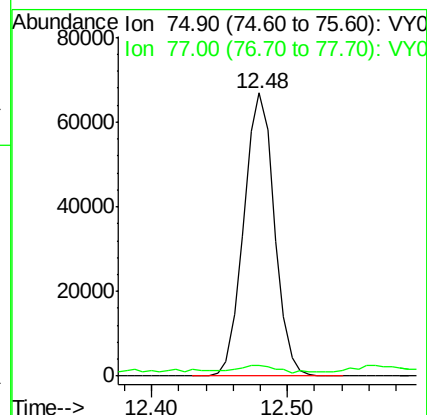
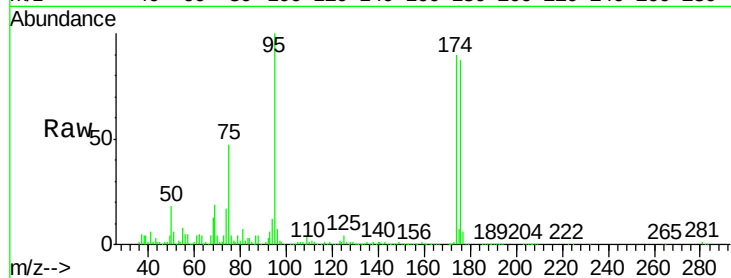
VNJ-242

Tot Ion: 75 Resp: 105014

Ion Ratio Lower Upper

75 100

77 2.3 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 3.975 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY003315.D

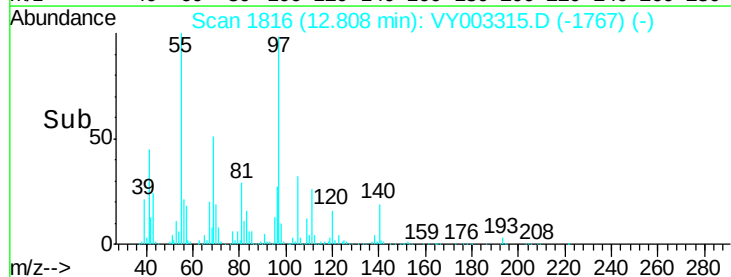
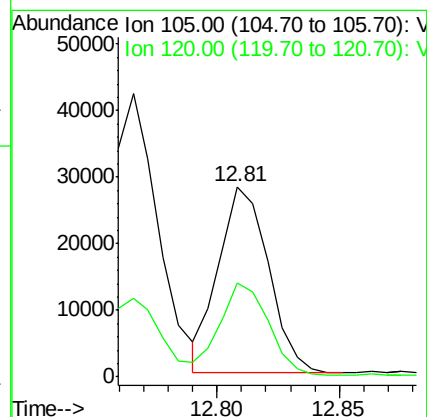
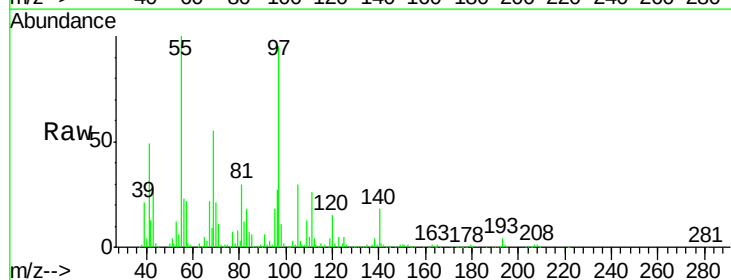
Acq: 23 Jul 2020 14:46

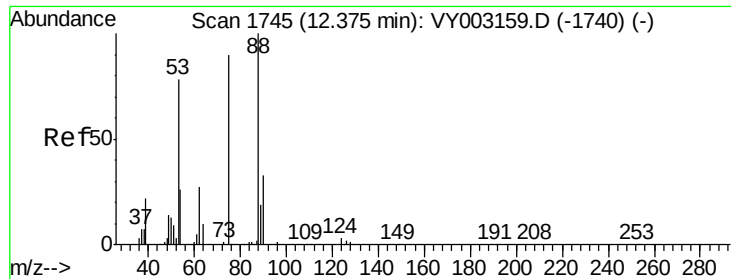
Tgt Ion: 105 Resp: 39817

Ion Ratio Lower Upper

105 100

120 48.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 122.415 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-242

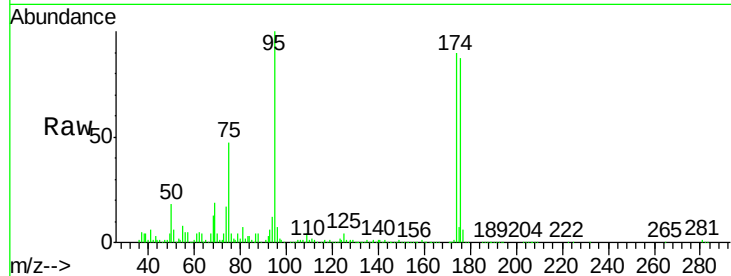
Tot Ion: 75 Resp: 105014

Ion Ratio Lower Upper

75 100

53 2.8 72.0 108.0#

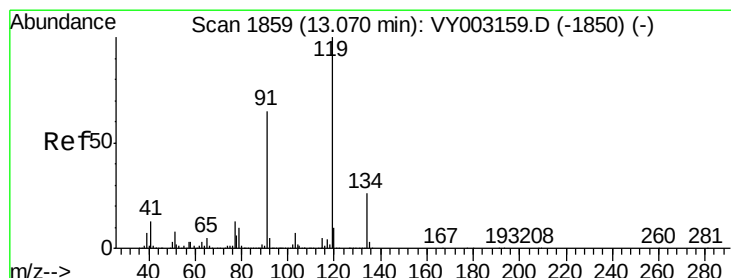
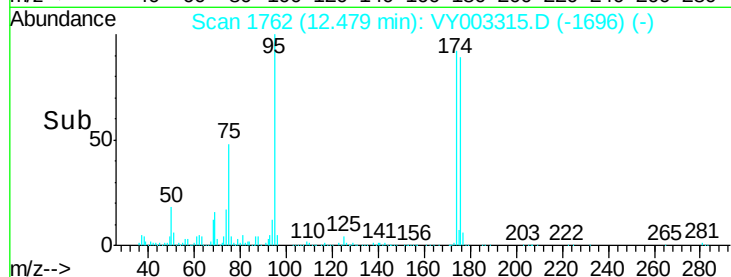
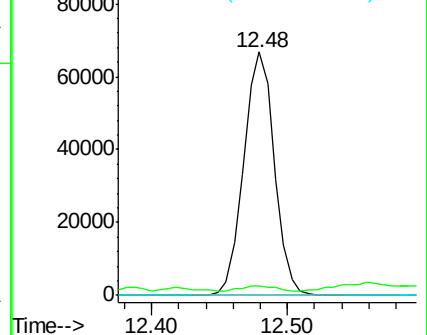
89 0.4 37.3 55.9#



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



#83

tert-Butylbenzene

Concen: 3.837 ug/l

RT: 13.31 min Scan# 1899

Delta R.T. 0.24 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

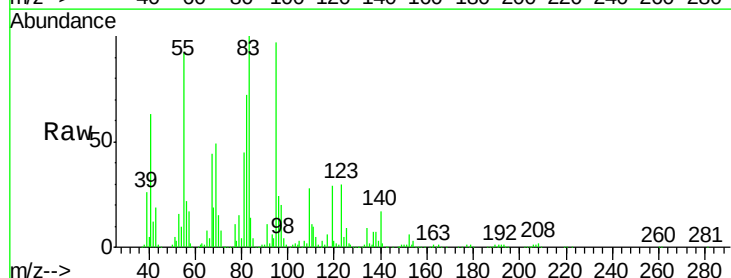
Tgt Ion: 119 Resp: 33918

Ion Ratio Lower Upper

119 100

91 37.5 30.8 92.4

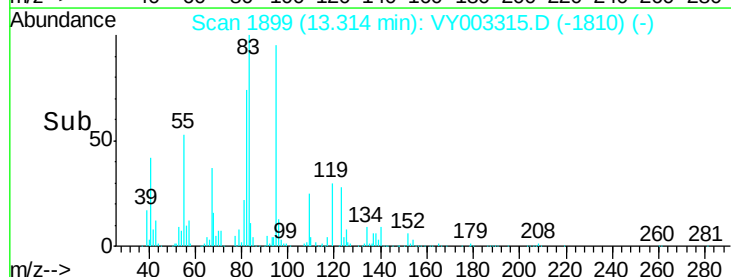
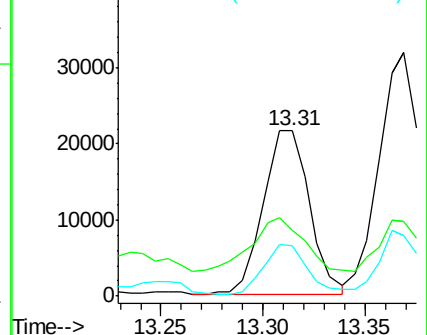
134 29.2 13.2 39.6

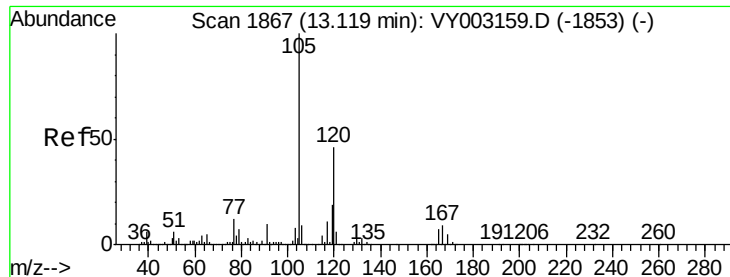


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V

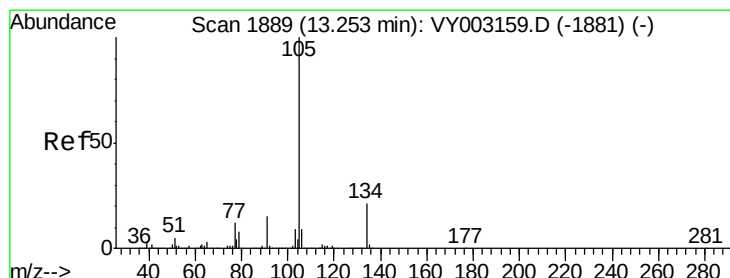
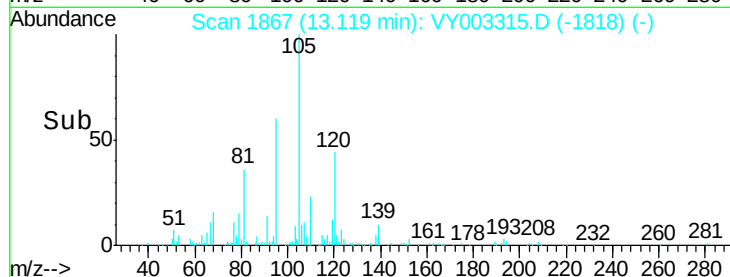
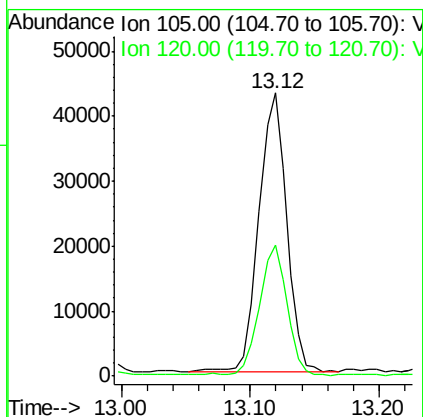
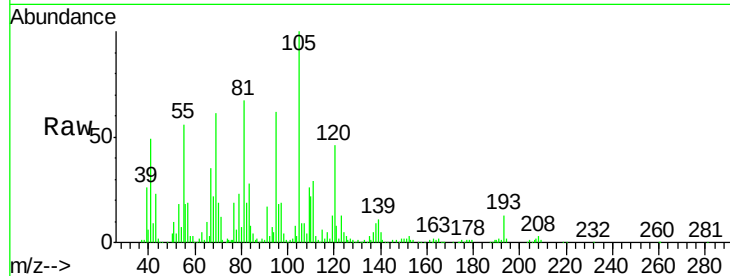




#84
 1,2,4-Trimethylbenzene
 Concen: 6.353 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VY003315.D
 Acq: 23 Jul 2020 14:46

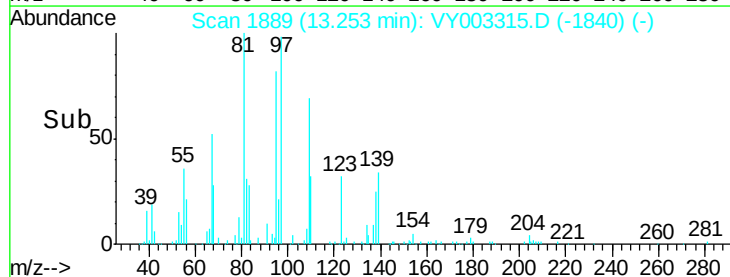
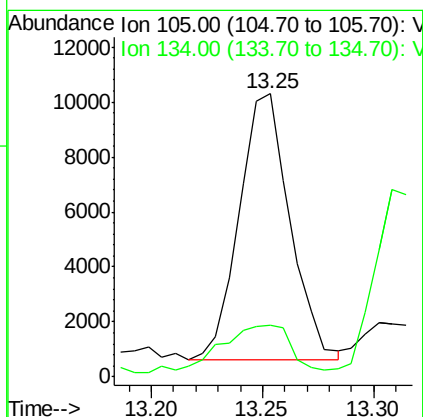
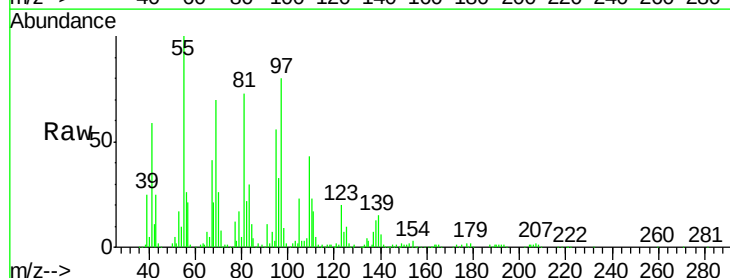
Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-242

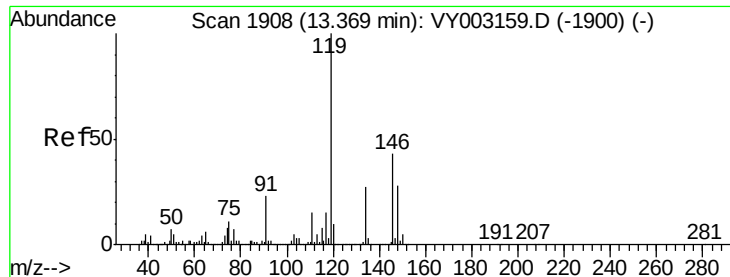
Tot Ion:105 Resp: 64040
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.5 67.5



#85
 sec-Butylbenzene
 Concen: 1.272 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY003315.D
 Acq: 23 Jul 2020 14:46

Tgt Ion:105 Resp: 15458
 Ion Ratio Lower Upper
 105 100
 134 25.6 10.4 31.4

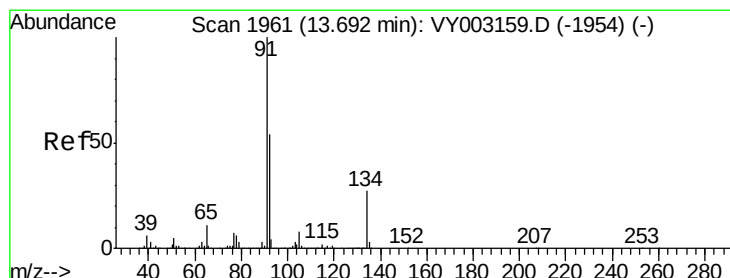
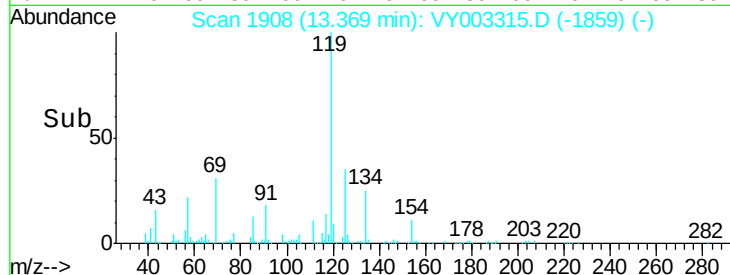
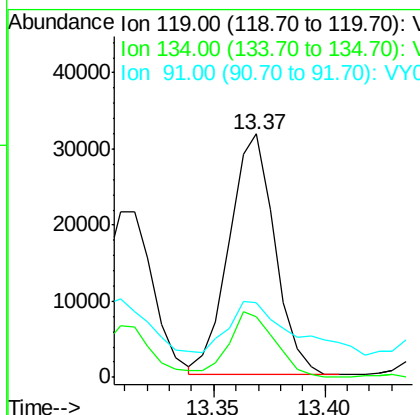
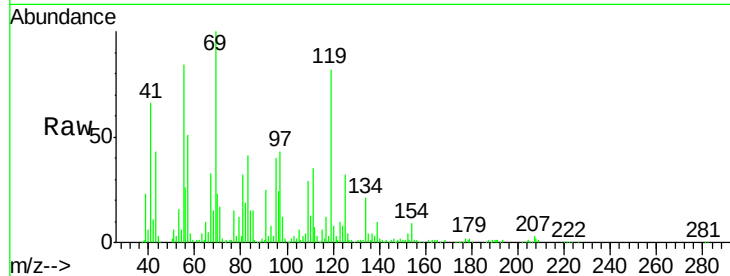




#86
 p-Isopropyltoluene
 Concen: 3.995 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY003315.D
 Acq: 23 Jul 2020 14:46

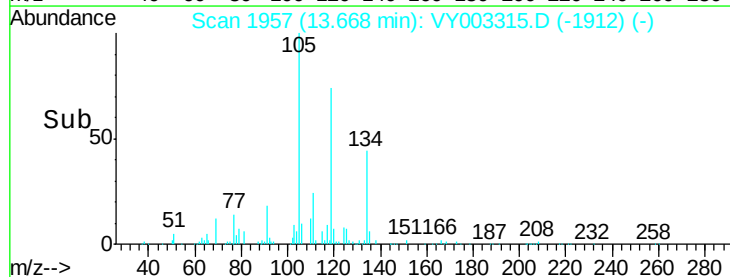
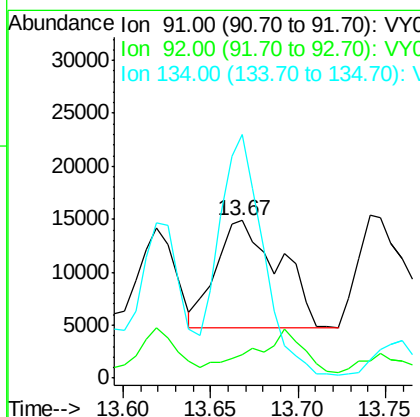
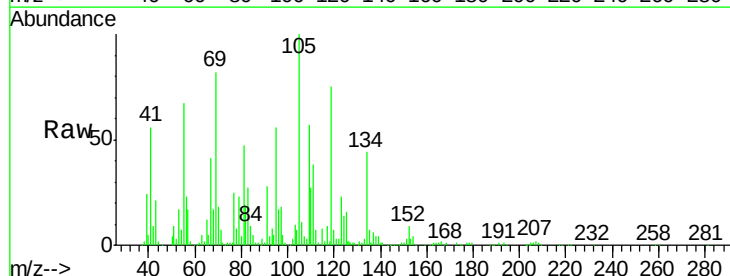
Instrument :
 MSVOA_Y
 ClientSampled :
 VNJ-242

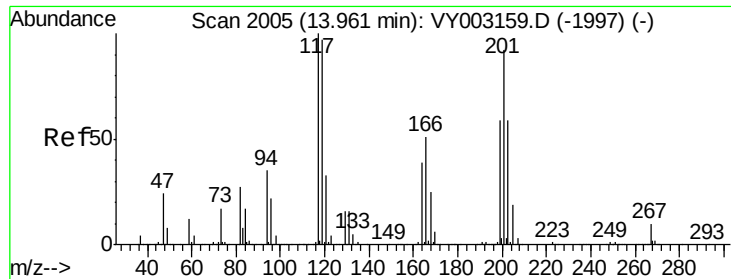
Tot Ion: 119 Resp: 45315
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.2
 91 30.4 11.2 33.6



#89
 n-Butylbenzene
 Concen: 2.357 ug/l
 RT: 13.67 min Scan# 1957
 Delta R.T. -0.02 min
 Lab File: VY003315.D
 Acq: 23 Jul 2020 14:46

Tgt Ion: 91 Resp: 25154
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.9 80.7#
 134 158.0 13.6 40.7#





#90

Hexachloroethane

Concen: 2.237 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. 0.01 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

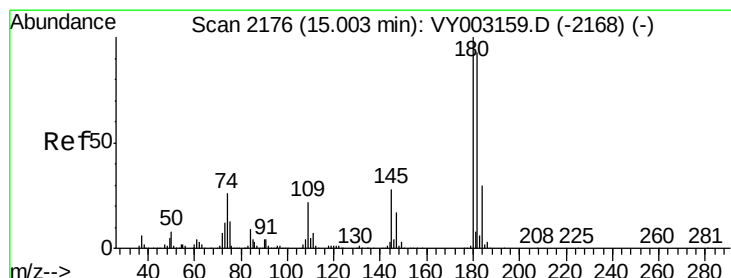
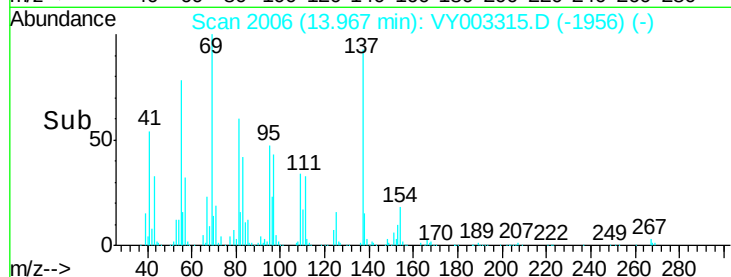
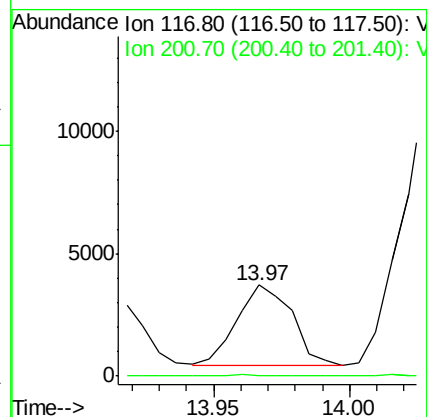
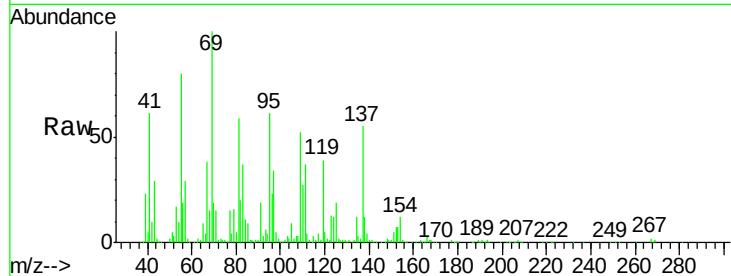
VNJ-242

Tot Ion:117 Resp: 4621

Ion Ratio Lower Upper

117 100

201 0.4 45.1 135.3#



#93

1,2,4-Trichlorobenzene

Concen: 1.340 ug/l

RT: 15.00 min Scan# 2175

Delta R.T. -0.01 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

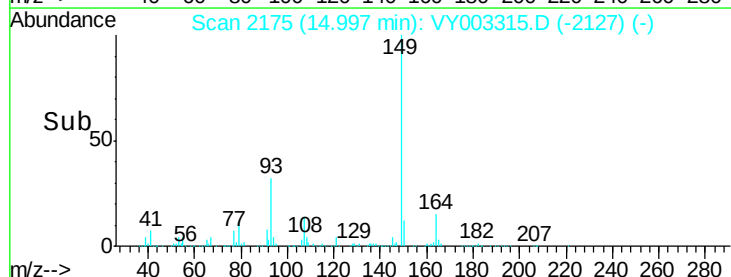
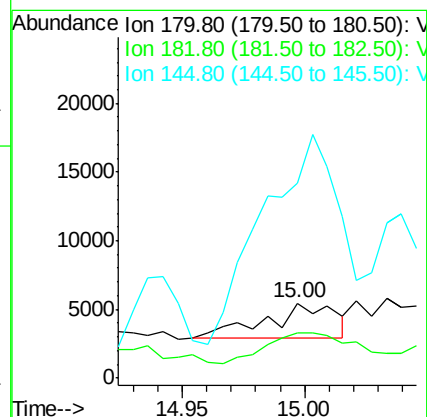
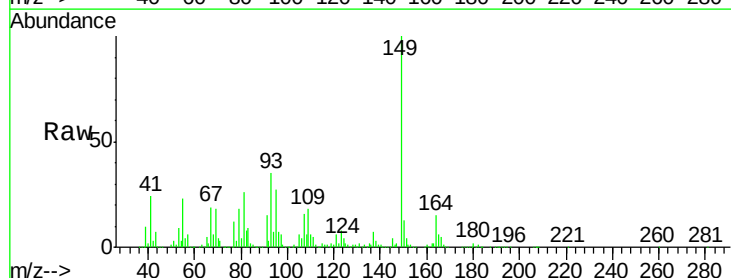
Tgt Ion:180 Resp: 4847

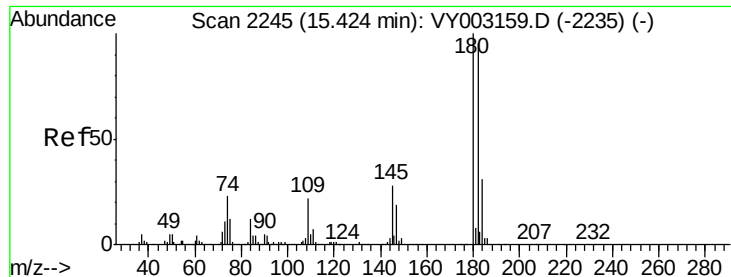
Ion Ratio Lower Upper

180 100

182 115.1 47.3 142.0

145 866.1 13.7 41.1#





#96

1,2,3-Trichlorobenzene

Concen: 8.515 ug/l

RT: 15.44 min Scan# 2248

Delta R.T. 0.02 min

Lab File: VY003315.D

Acq: 23 Jul 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-242

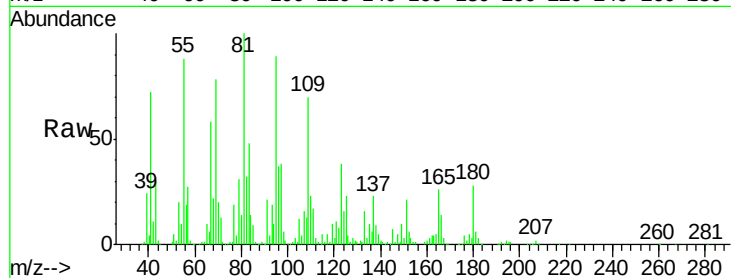
Tot Ion:180 Resp: 24347

Ion Ratio Lower Upper

180 100

182 0.0 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

