

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052820\
 Data File : VY002790.D
 Acq On : 28 May 2020 15:22
 Operator : SY/MD
 Sample : L2795-03
 Misc : 5.03G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 209-213

Quant Time: May 28 17:07:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	236648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	362330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	248121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	79562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	99803	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.72	113	108145	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
50) Toluene-d8	10.18	98	384358	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
62) 4-Bromofluorobenzene	12.48	95	87989	29.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.98%	

Target Compounds

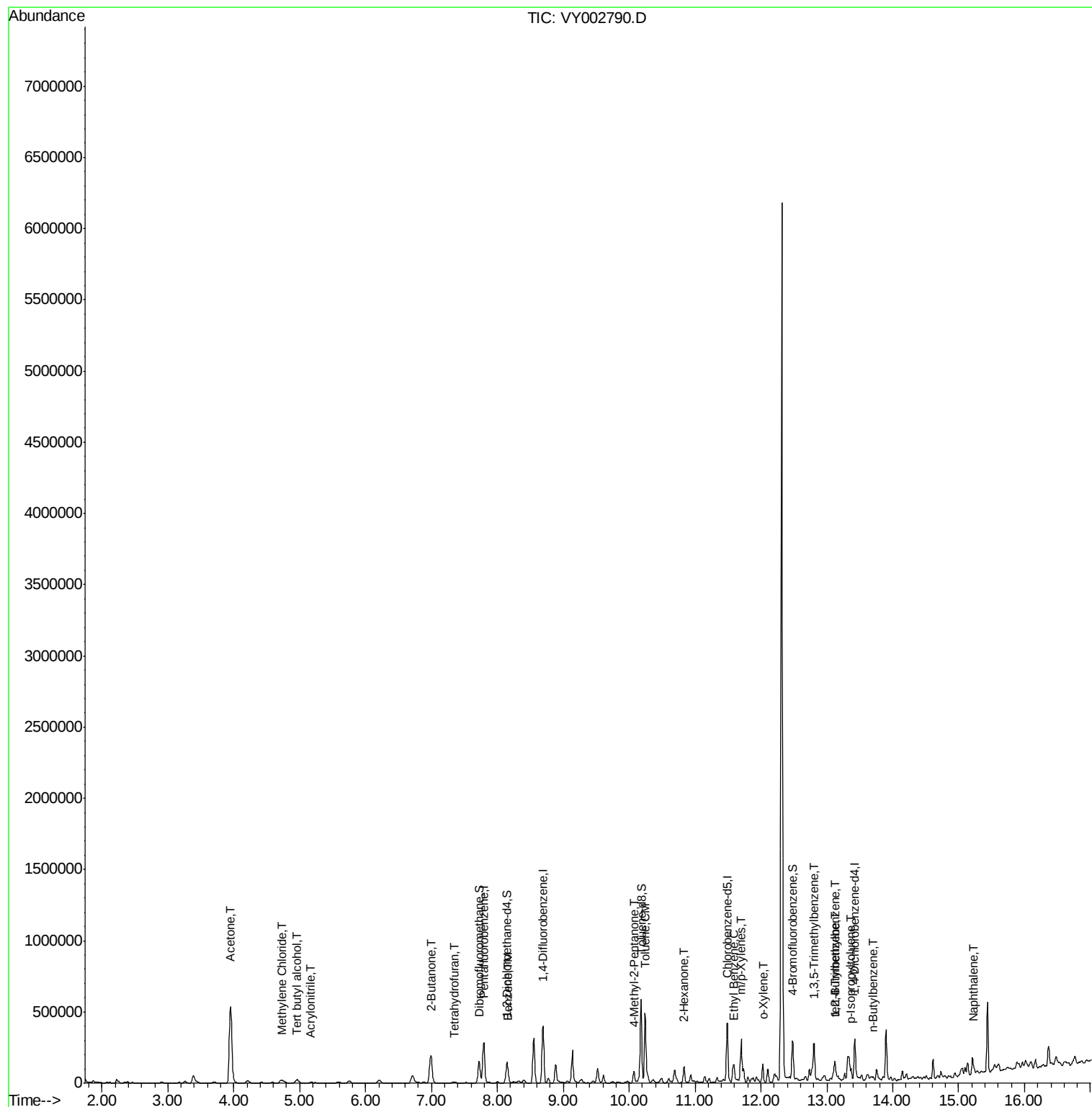
						Qvalue
11) Tert butyl alcohol	4.96	59	49573	223.096	ug/l	98
15) Acrylonitrile	5.17	53	5472	9.213	ug/l	99
16) Acetone	3.95	43	910519	1889.765	ug/l	100
20) Methylene Chloride	4.72	84	17046	7.239	ug/l	98
25) 2-Butanone	6.99	43	290013	386.339	ug/l	100
29) Tetrahydrofuran	7.35	42	2789	5.712	ug/l #	80
40) Benzene	8.16	78	28792	3.193	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	52414	31.454	ug/l	99
52) Toluene	10.24	92	207408	35.155	ug/l	100
59) 2-Hexanone	10.83	43	63186	53.443	ug/l	95
67) Ethyl Benzene	11.59	91	61115	7.188	ug/l	100
68) m/p-Xylenes	11.70	106	94301	28.608	ug/l	98
69) o-Xylene	12.03	106	30939	9.942	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	13149	3.089	ug/l	99
83) tert-Butylbenzene	13.12	119	7464	1.966	ug/l #	59
84) 1,2,4-Trimethylbenzene	13.12	105	77864	18.190	ug/l	84
86) p-Isopropyltoluene	13.37	119	48219	9.980	ug/l	98
89) n-Butylbenzene	13.69	91	4488	1.023	ug/l #	67
95) Naphthalene	15.23	128	25148	7.296	ug/l #	91

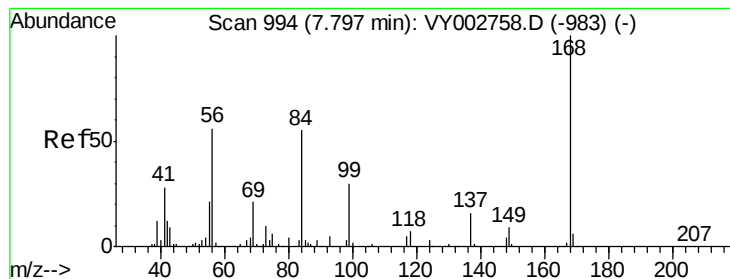
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 13:13:33 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: VY002790.D

Acq: 28 May 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

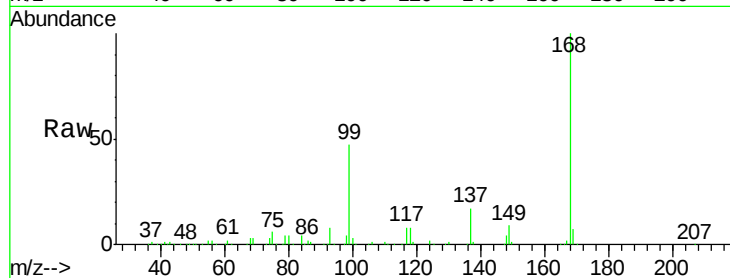
209-213

Tot Ion:168 Resp: 236648

Ion Ratio Lower Upper

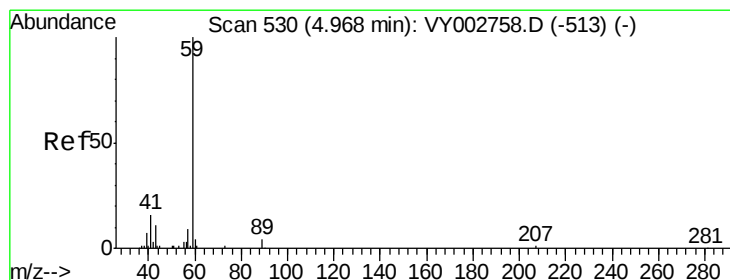
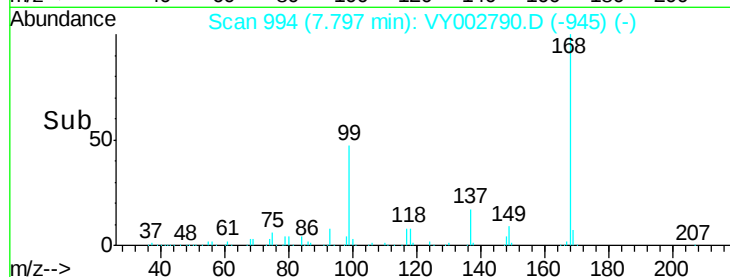
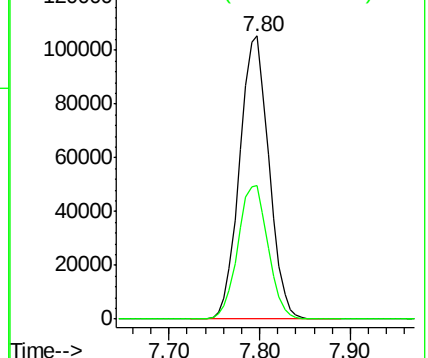
168 100

99 47.1 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VY002758.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002758.D (-983) (-)



#11

Tert butyl alcohol

Concen: 223.096 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002790.D

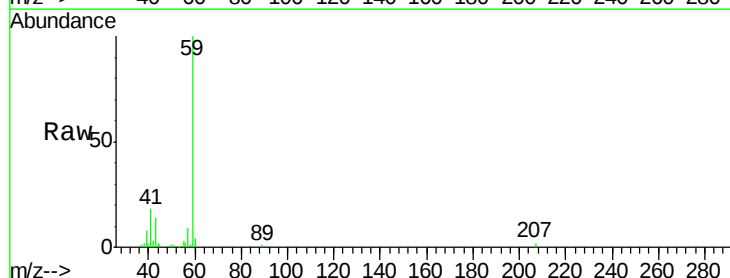
Acq: 28 May 2020 15:22

Tgt Ion: 59 Resp: 49573

Ion Ratio Lower Upper

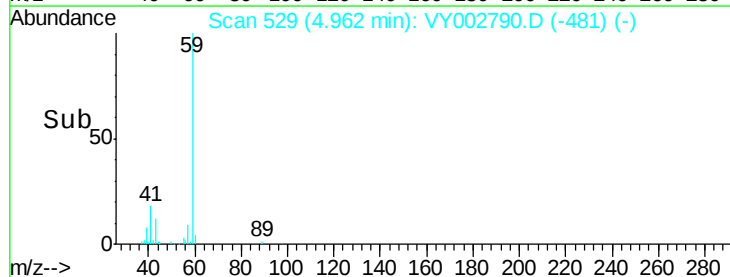
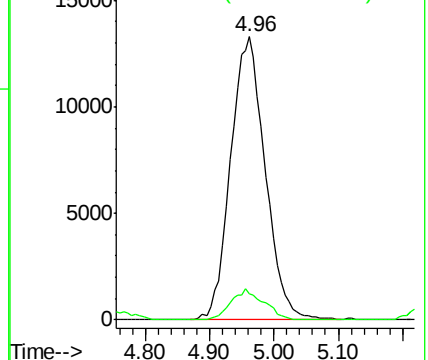
59 100

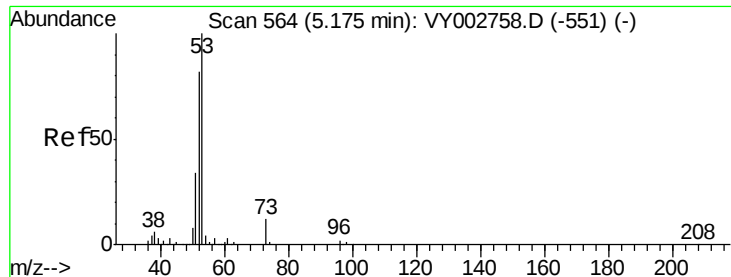
57 10.2 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VY002758.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002758.D (-513) (-)





#15

Acrylonitrile

Concen: 9.213 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY002790.D

Acq: 28 May 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

209-213

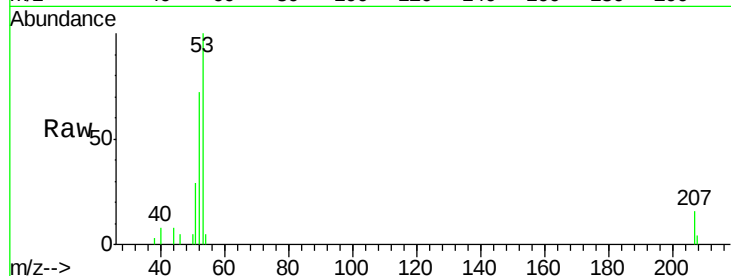
Tot Ion: 53 Resp: 5472

Ion Ratio Lower Upper

53 100

52 81.5 65.3 97.9

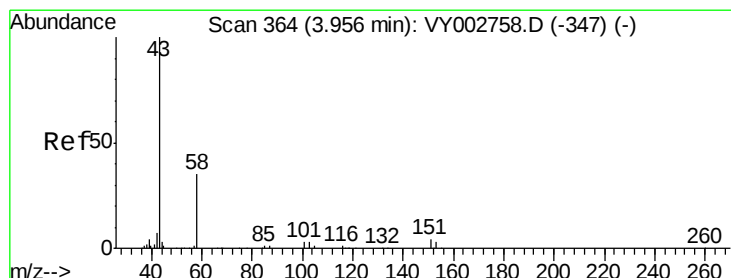
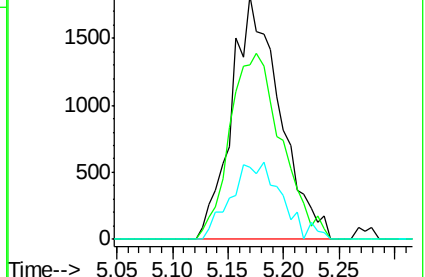
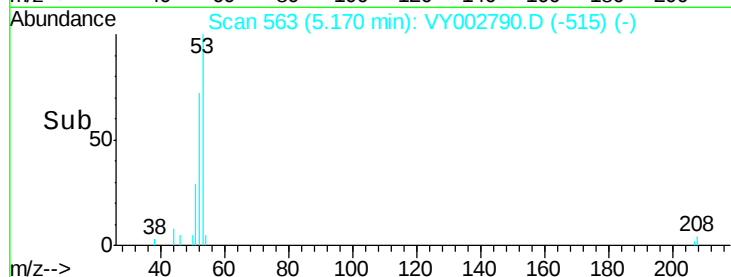
51 33.4 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VY002790.D (-515) (-)

Ion 52.00 (51.70 to 52.70): VY002790.D (-515) (-)

Ion 51.00 (50.70 to 51.70): VY002790.D (-515) (-)



#16

Acetone

Concen: 1889.765 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY002790.D

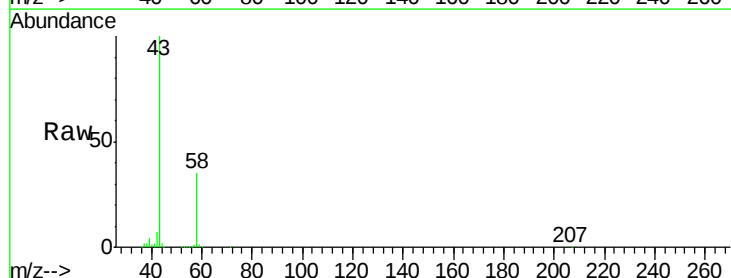
Acq: 28 May 2020 15:22

Tgt Ion: 43 Resp: 910519

Ion Ratio Lower Upper

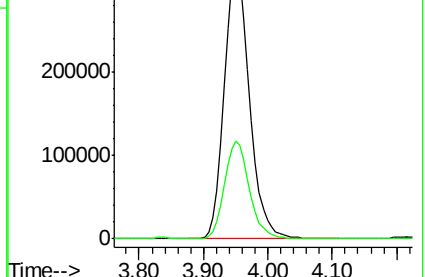
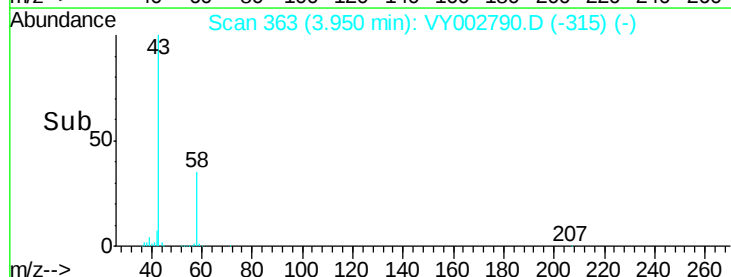
43 100

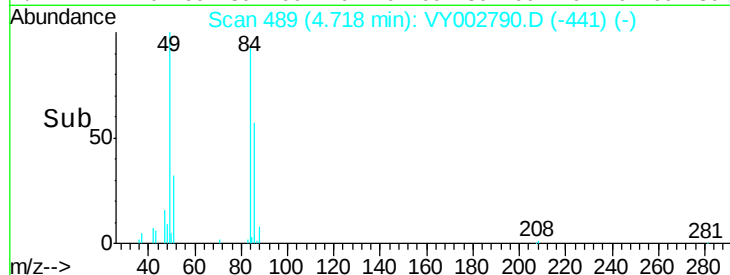
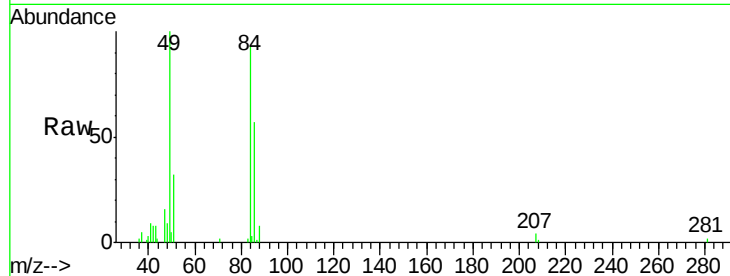
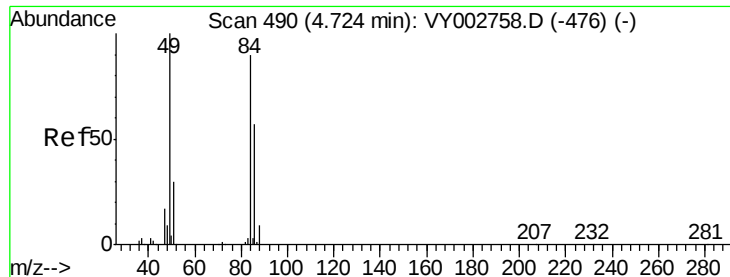
58 34.7 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VY002790.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VY002790.D (-315) (-)

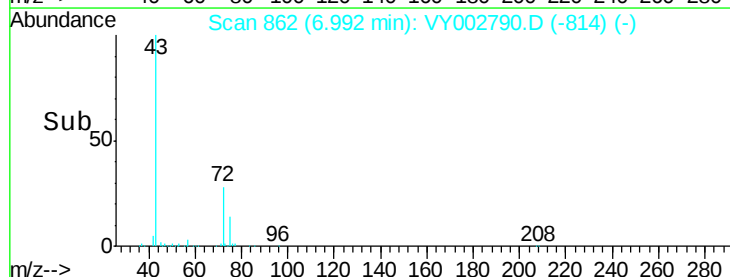
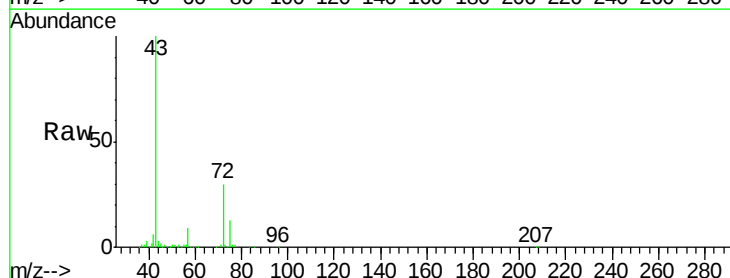
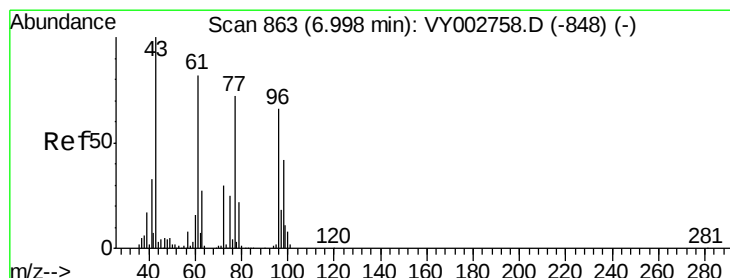
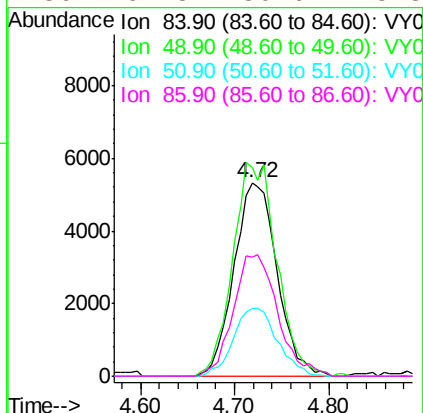




#20
Methvlene Chloride
Concen: 7.239 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

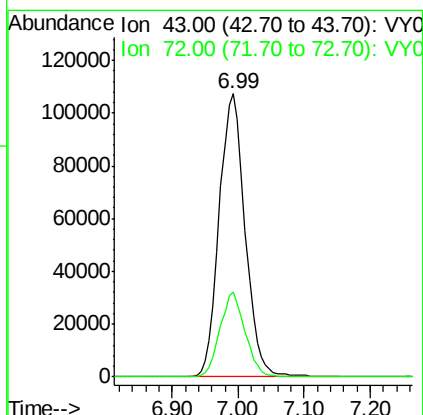
Instrument :
MSVOA_Y
ClientSampled :
209-213

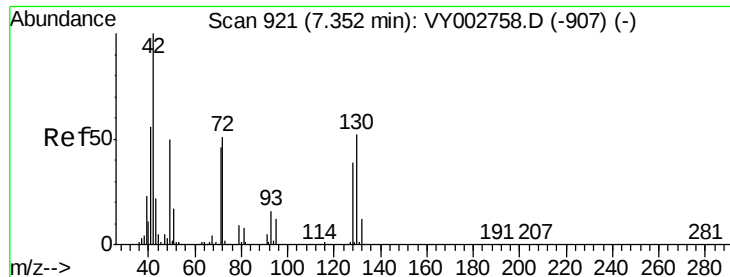
Tot Ion:	84	Resp:	17046
Ion	Ratio	Lower	Upper
84	100		
49	107.8	88.5	132.7
51	34.8	26.8	40.2
86	61.8	50.6	75.8



#25
2-Butanone
Concen: 386.339 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

Tgt Ion:	43	Resp:	290013
Ion	Ratio	Lower	Upper
43	100		
72	30.1	23.9	35.9

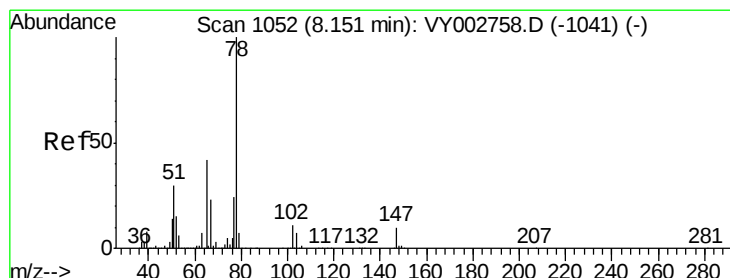
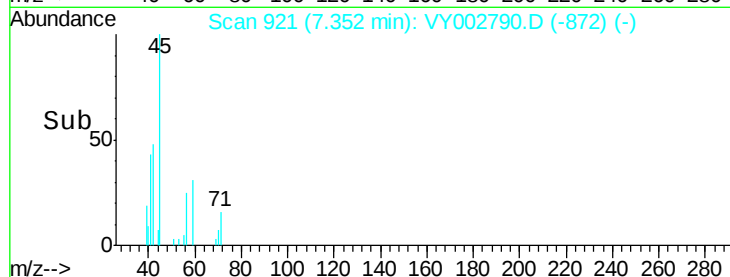
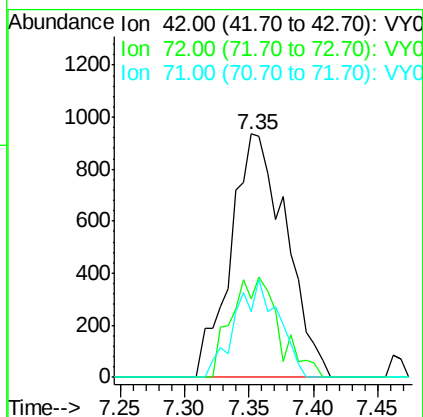
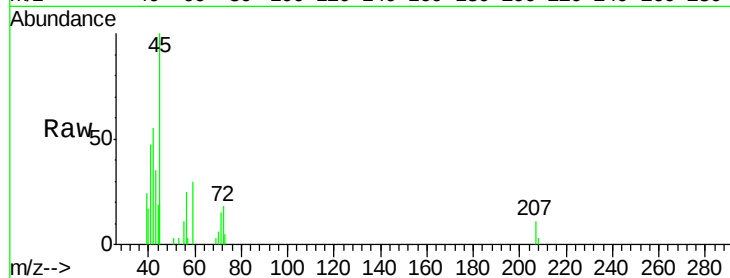




#29
Tetrahydrofuran
Concen: 5.712 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

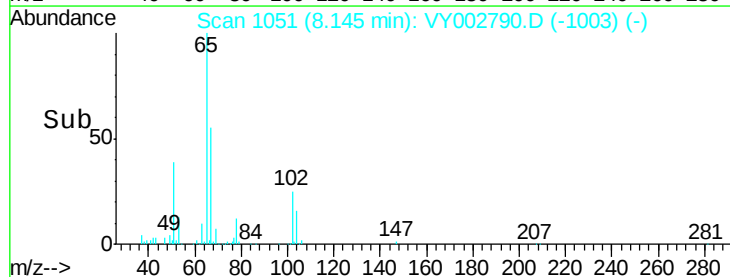
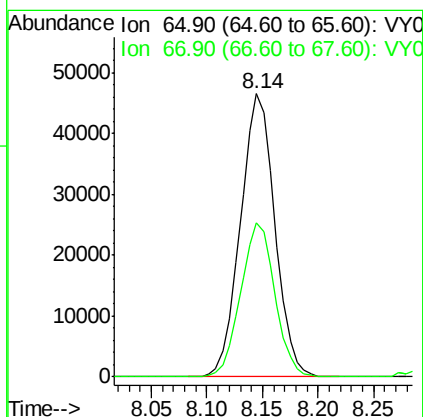
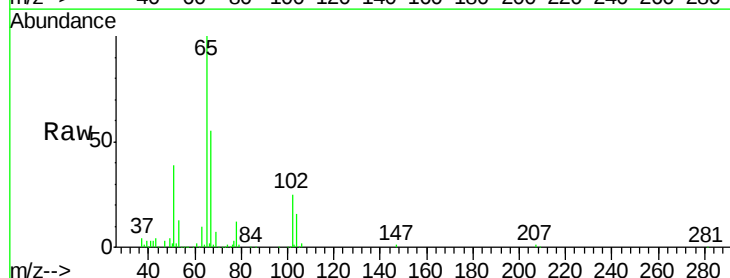
Instrument :
MSVOA_Y
ClientSampleId :
209-213

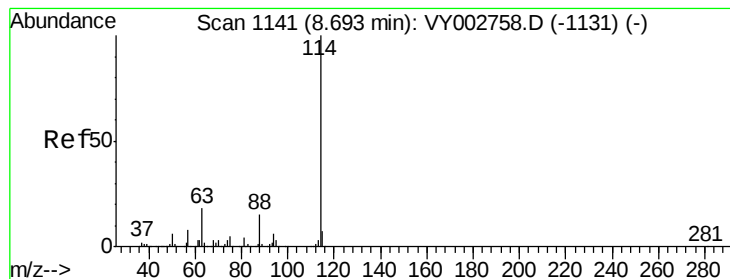
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	38.6	58.0#
71	31.2	35.8	53.8#



#33
1,2-Dichloroethane-d4
Concen: 48.571 ug/l
RT: 8.14 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY002790.D

Acq: 28 May 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

209-213

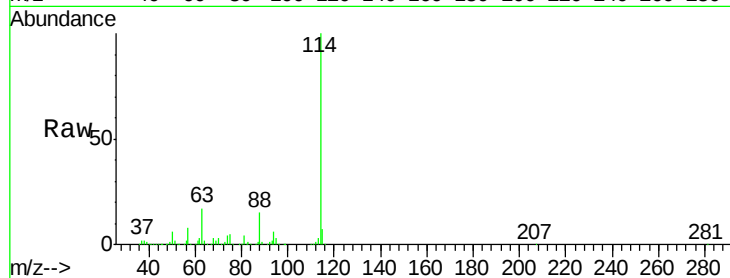
Tot Ion:114 Resp: 362330

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.2

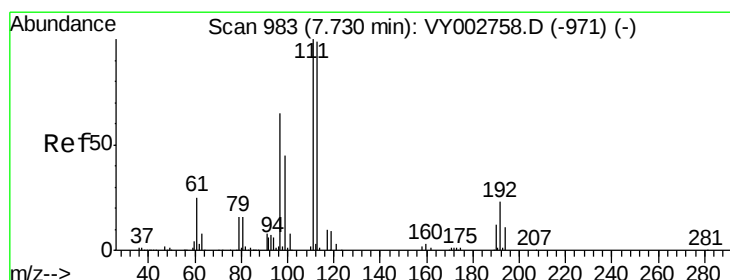
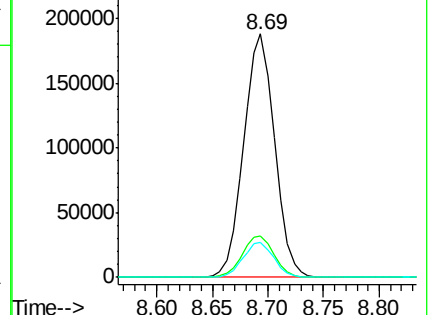
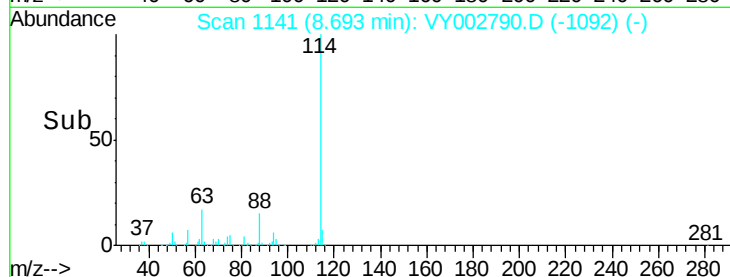
88 14.5 0.0 29.2



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: 50.929 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY002790.D

Acq: 28 May 2020 15:22

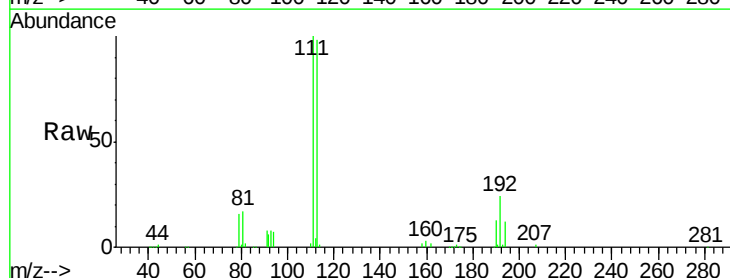
Tgt Ion:113 Resp: 108145

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

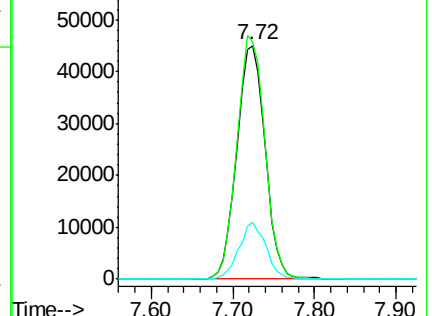
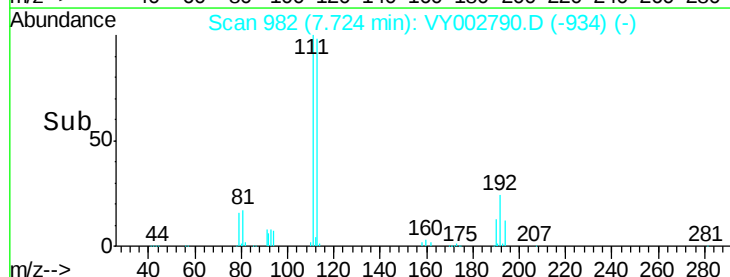
192 23.0 18.9 28.3

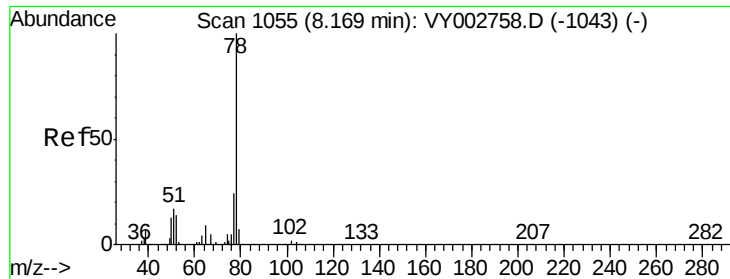


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 3.193 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY002790.D

Acq: 28 May 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

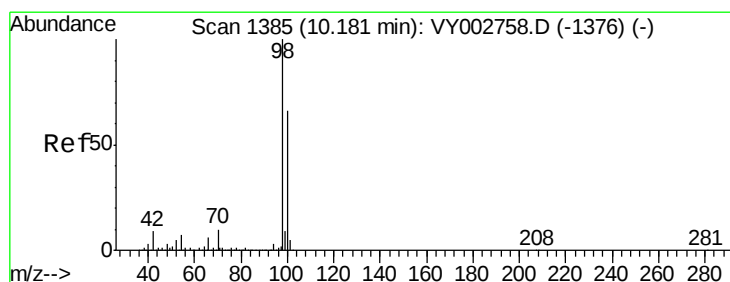
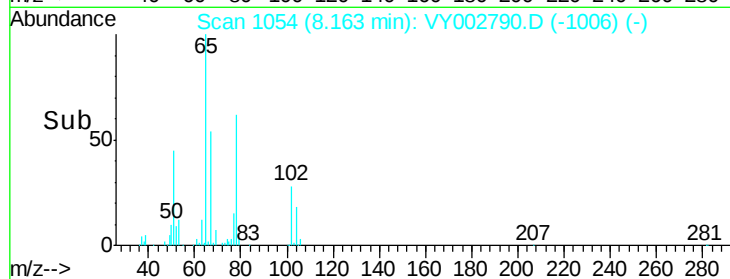
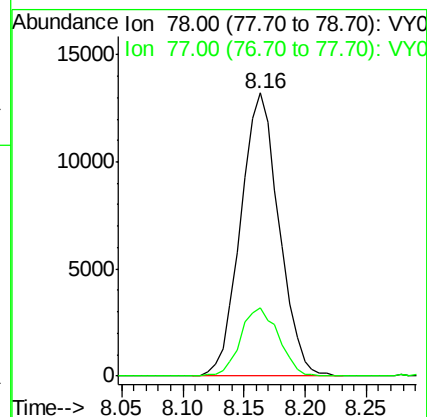
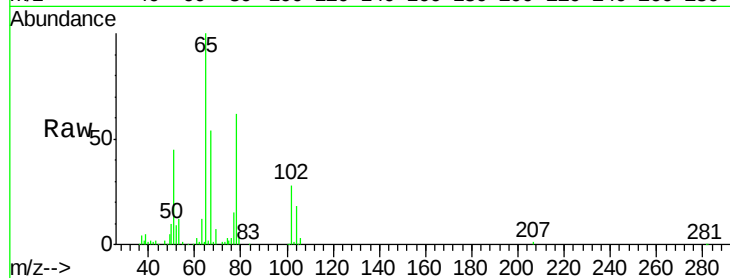
209-213

Tot Ion: 78 Resp: 28792

Ion Ratio Lower Upper

78 100

77 24.3 18.8 28.2



#50

Toluene-d8

Concen: 44.768 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY002790.D

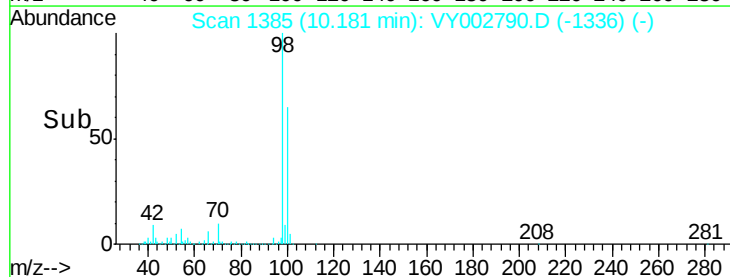
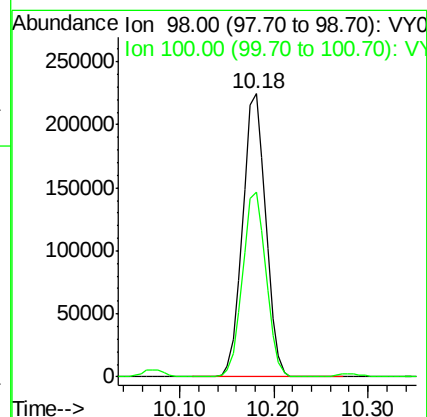
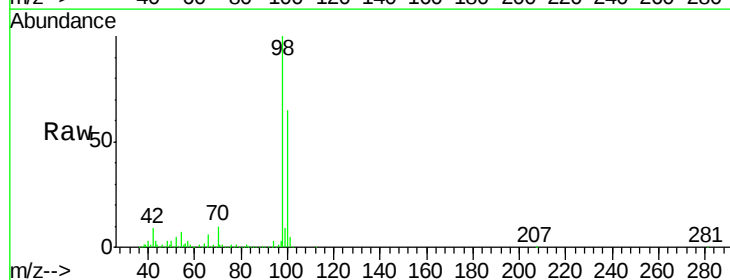
Acq: 28 May 2020 15:22

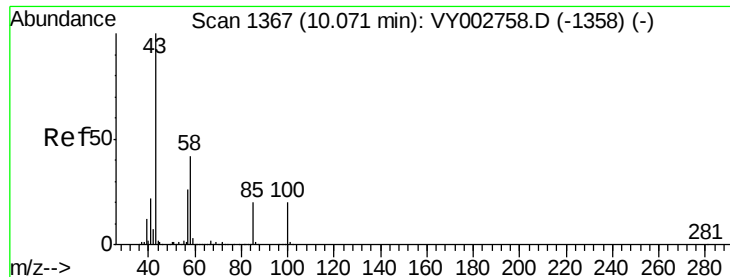
Tgt Ion: 98 Resp: 384358

Ion Ratio Lower Upper

98 100

100 66.4 52.2 78.2

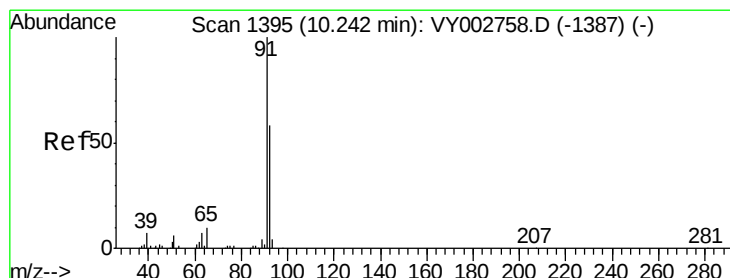
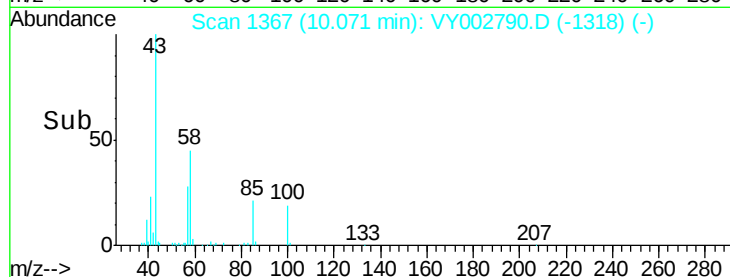
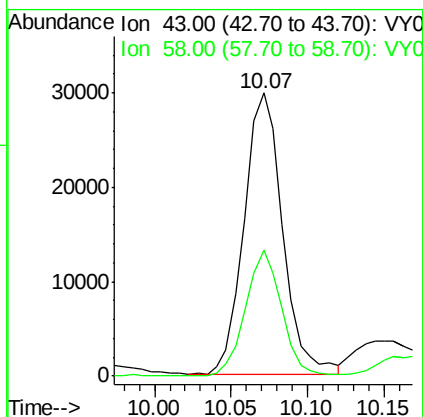
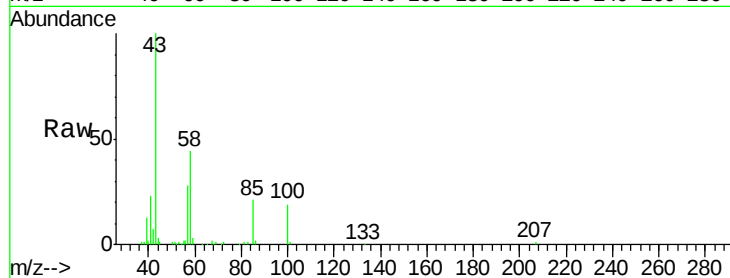




#51
4-Methyl-2-Pentanone
Concen: 31.454 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

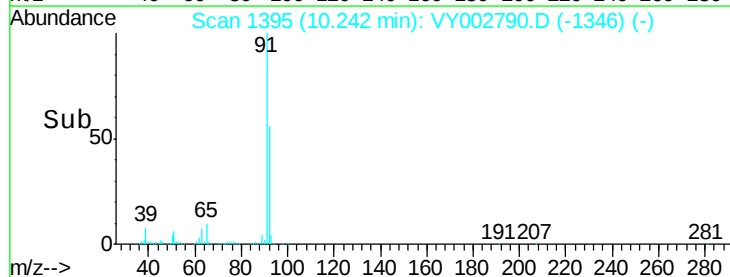
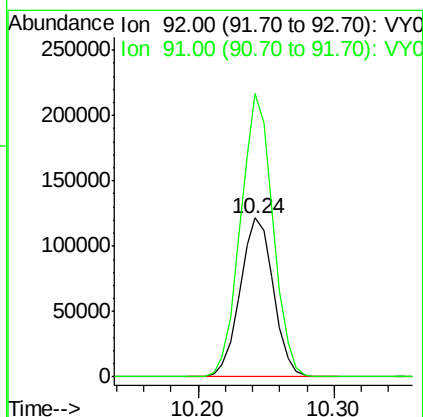
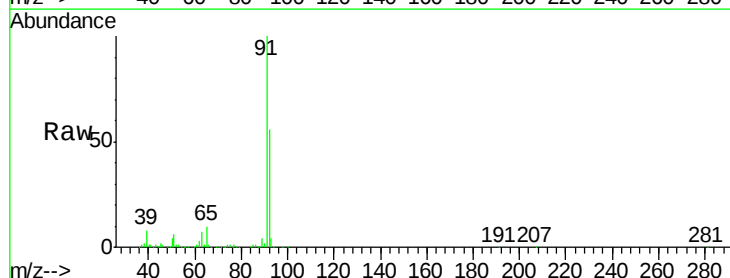
Instrument :
MSVOA_Y
ClientSampleId :
209-213

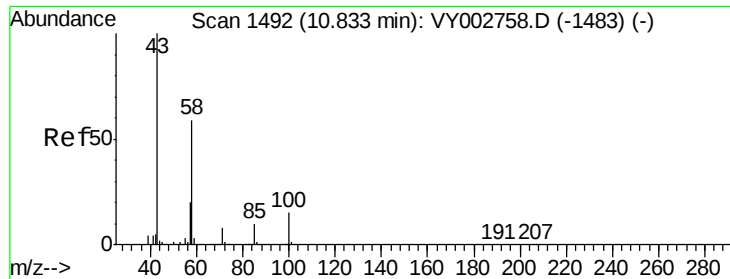
Tot Ion: 43 Resp: 52414
Ion Ratio Lower Upper
43 100
58 41.8 34.2 51.2



#52
Toluene
Concen: 35.155 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

Tgt Ion: 92 Resp: 207408
Ion Ratio Lower Upper
92 100
91 173.2 138.5 207.7





#59

2-Hexanone

Concen: 53.443 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VY002790.D

Acq: 28 May 2020 15:22

Instrument :

MSVOA_Y

ClientSampleId :

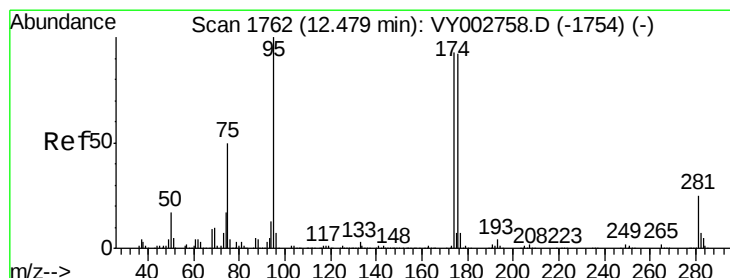
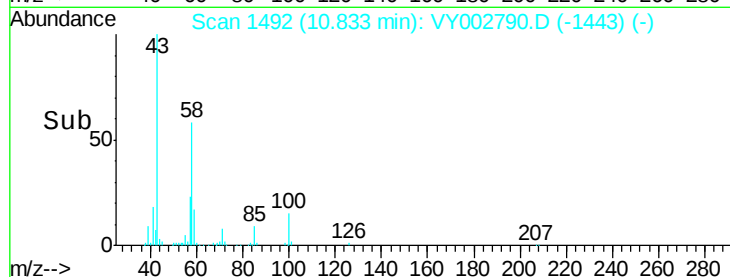
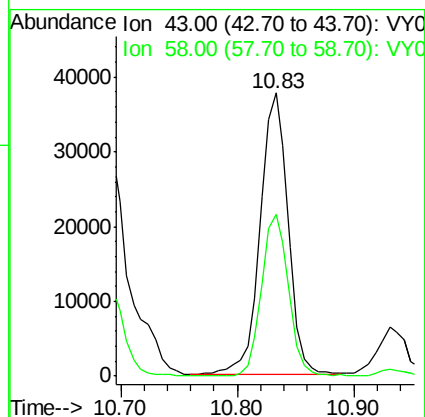
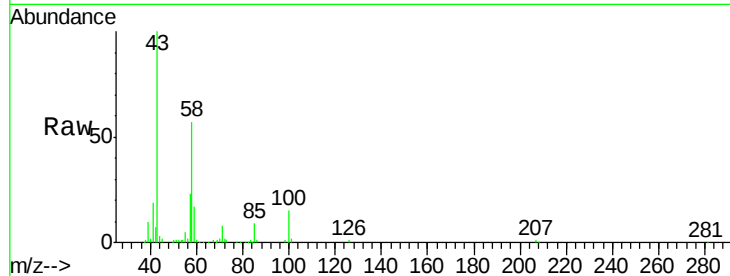
209-213

Tot Ion: 43 Resp: 63186

Ion Ratio Lower Upper

43 100

58 55.2 29.5 88.5



#62

4-Bromofluorobenzene

Concen: 29.988 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002790.D

Acq: 28 May 2020 15:22

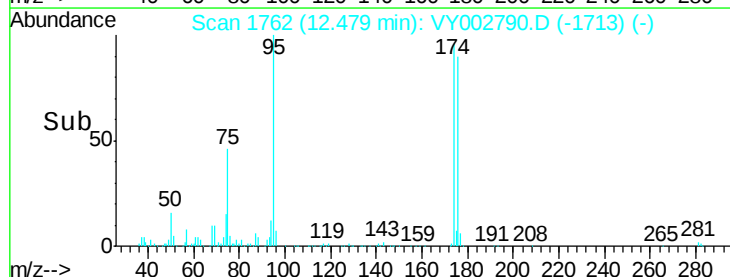
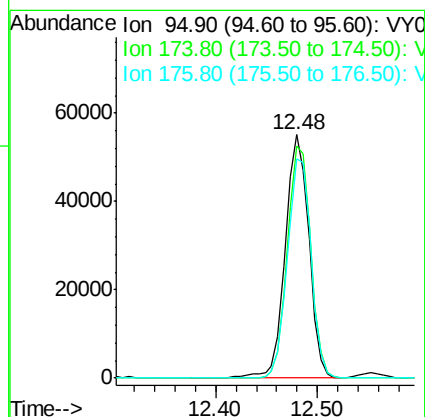
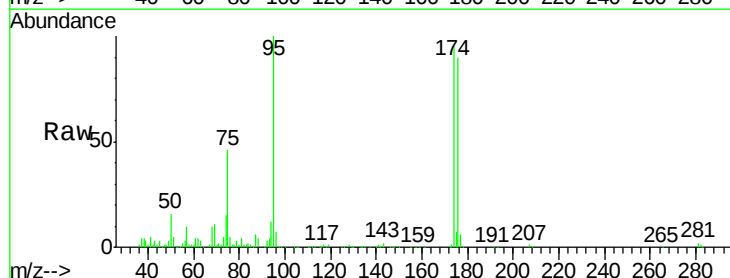
Tgt Ion: 95 Resp: 87989

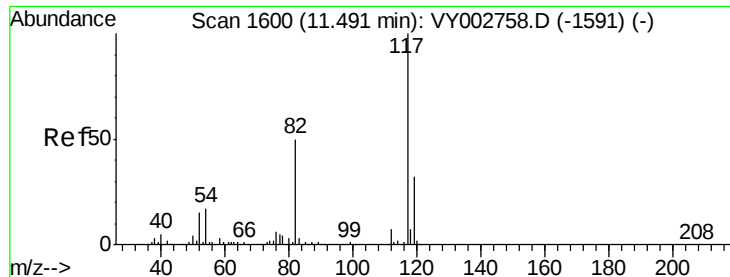
Ion Ratio Lower Upper

95 100

174 94.3 0.0 191.2

176 90.4 0.0 188.8

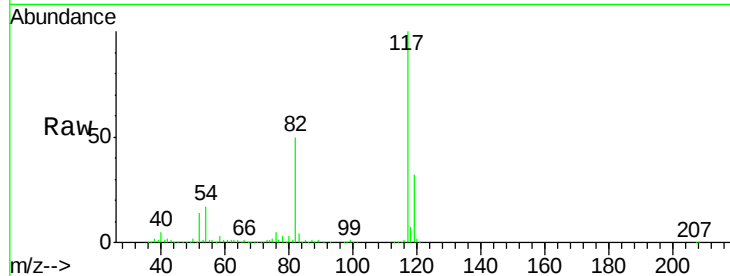




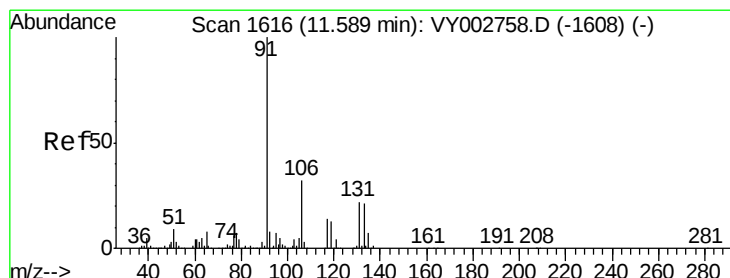
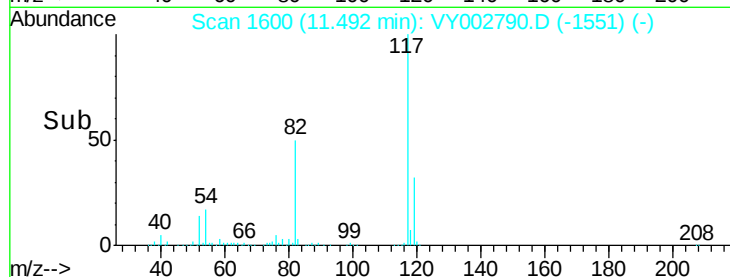
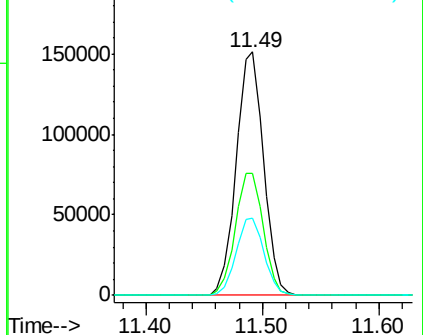
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

Instrument :
MSVOA_Y
ClientSampleId :
209-213

Tot Ion:117 Resp: 248121
Ion Ratio Lower Upper
117 100
82 50.3 40.2 60.4
119 31.5 25.8 38.8

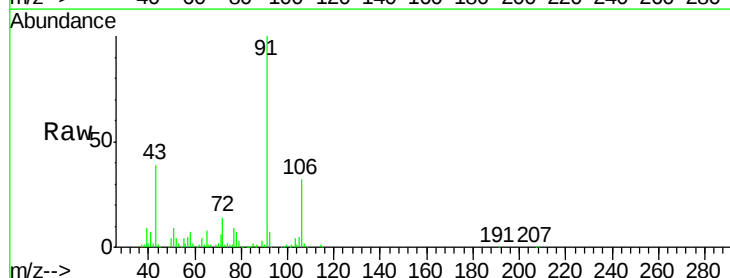


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

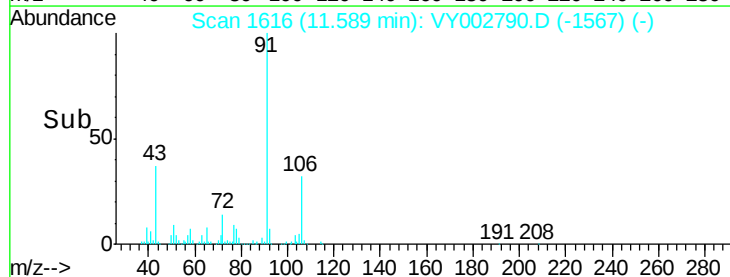
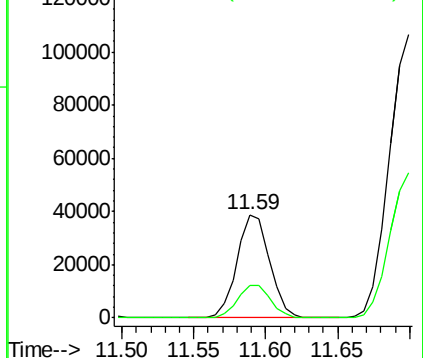


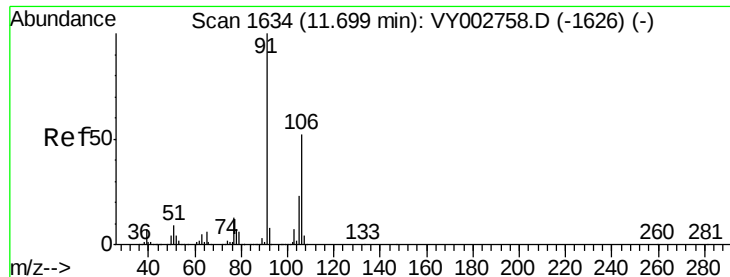
#67
Ethyl Benzene
Concen: 7.188 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

Tgt Ion: 91 Resp: 61115
Ion Ratio Lower Upper
91 100
106 32.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 106.00 (105.70 to 106.70): V

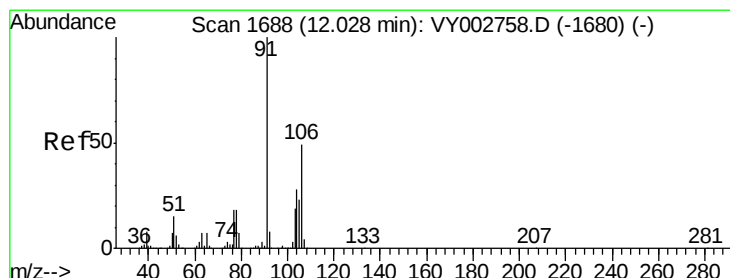
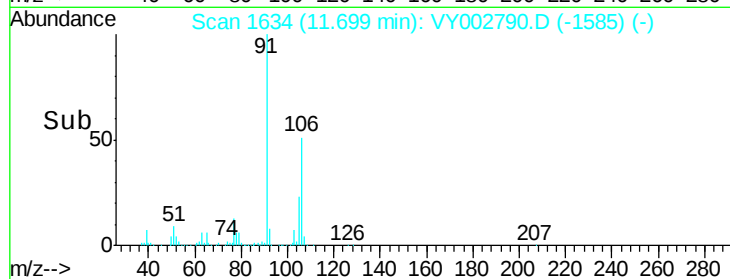
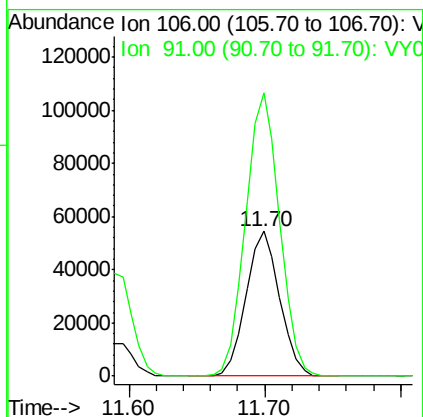
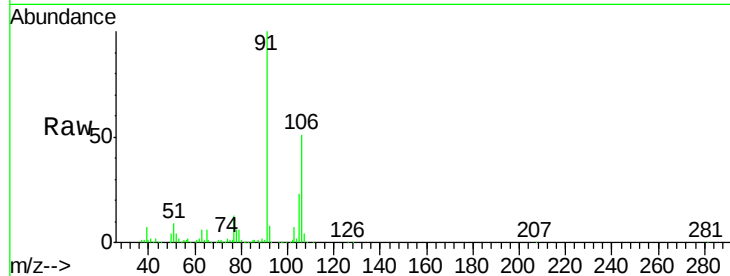




#68
m/p-Xylenes
Concen: 28.608 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

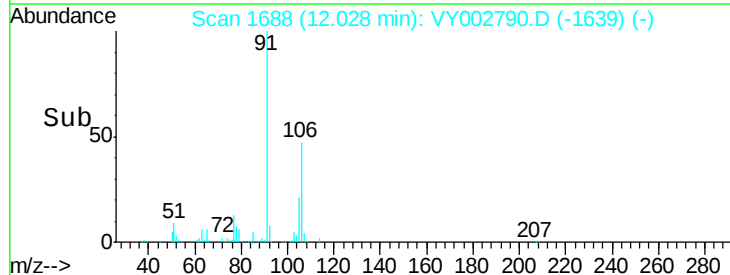
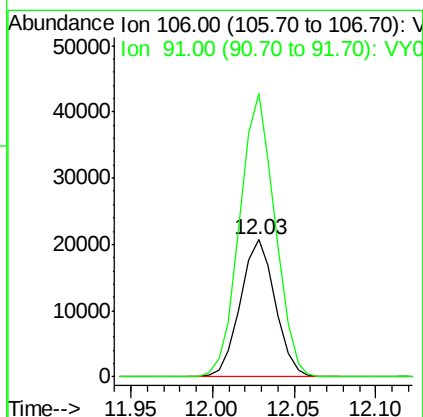
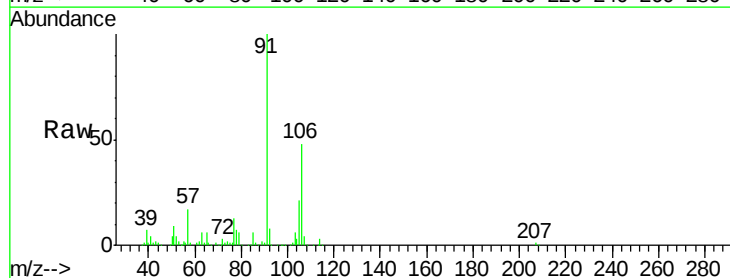
Instrument :
MSVOA_Y
ClientSampleId :
209-213

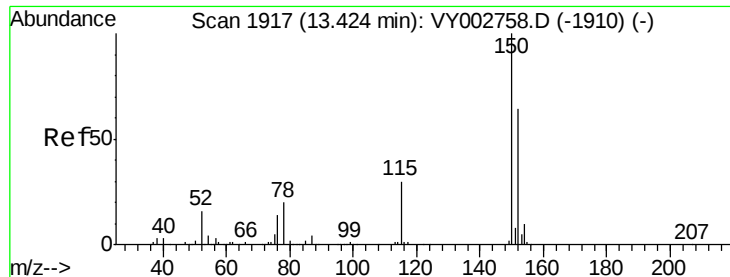
Tot Ion:106 Resp: 94301
Ion Ratio Lower Upper
106 100
91 197.5 156.0 234.0



#69
o-Xylene
Concen: 9.942 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

Tgt Ion:106 Resp: 30939
Ion Ratio Lower Upper
106 100
91 209.0 102.4 307.1



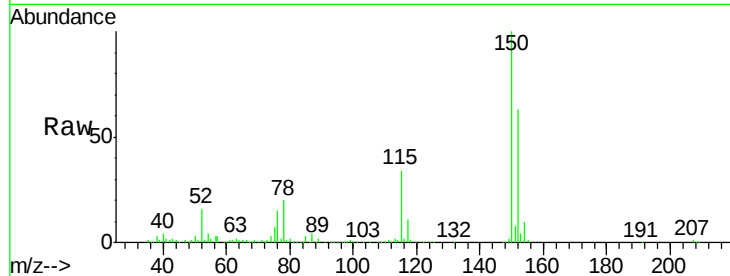


#72

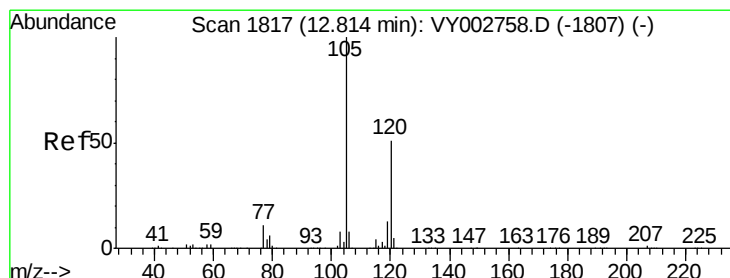
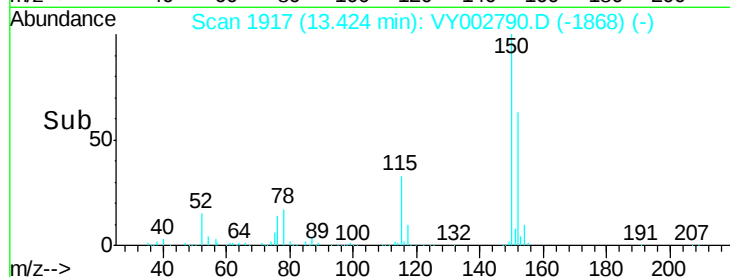
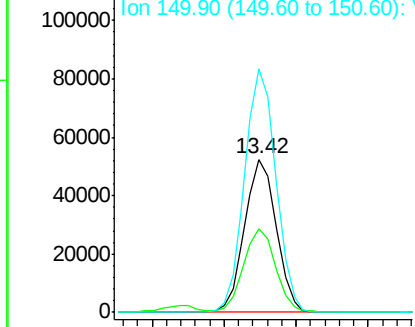
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

Instrument :
MSVOA_Y
ClientSampleId :
209-213

Tot Ion:152 Resp: 79562
Ion Ratio Lower Upper
152 100
115 55.9 27.0 81.0
150 157.7 0.0 344.8



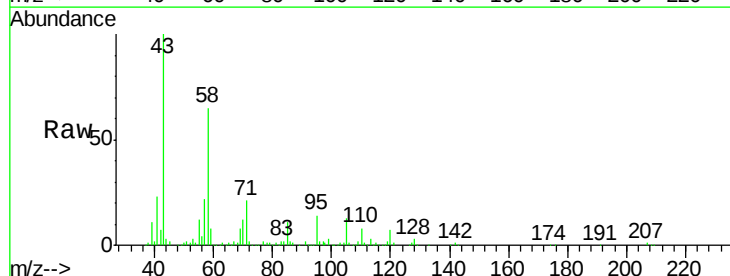
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



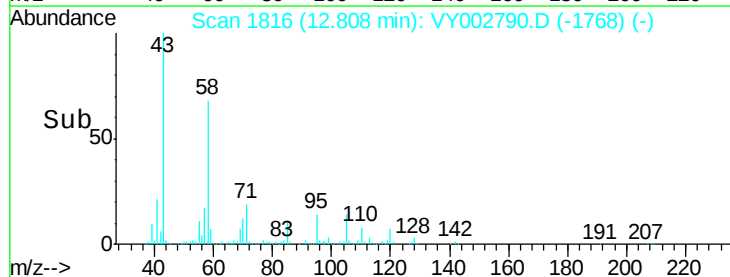
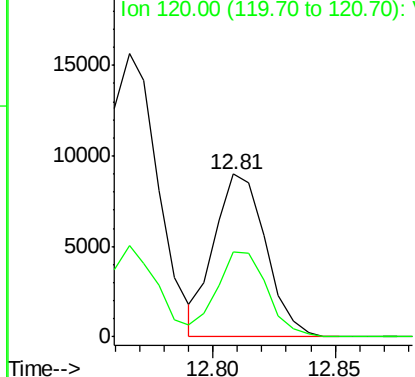
#80

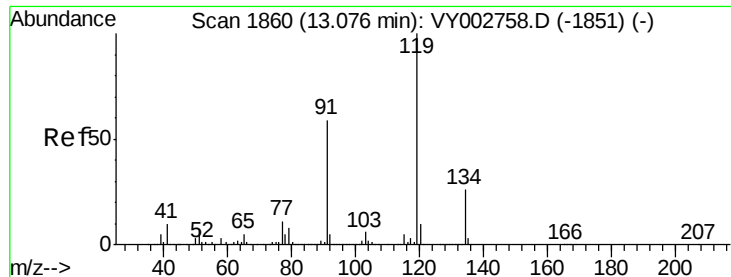
1,3,5-Trimethylbenzene
Concen: 3.089 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. -0.01 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

Tgt Ion:105 Resp: 13149
Ion Ratio Lower Upper
105 100
120 51.4 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 1.966 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.04 min

Lab File: VY002790.D

Acq: 28 May 2020 15:22

Instrument :

MSVOA_Y

ClientSampled :

209-213

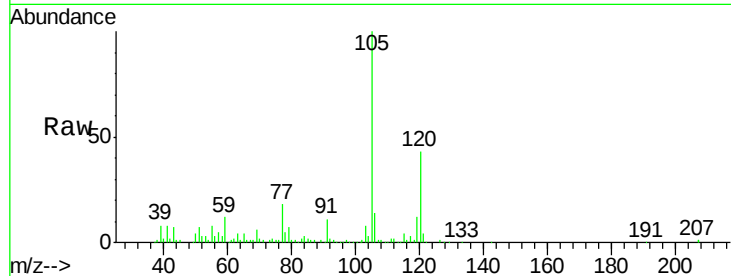
Tot Ion:119 Resp: 7464

Ion Ratio Lower Upper

119 100

91 87.5 29.8 89.4

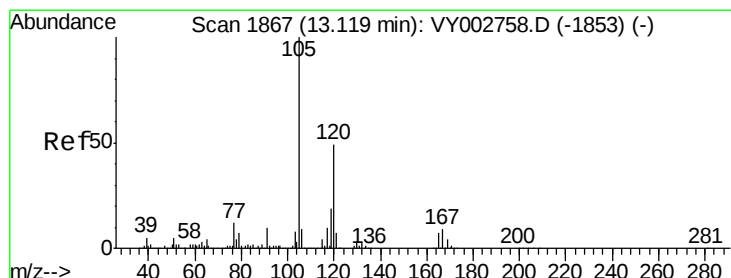
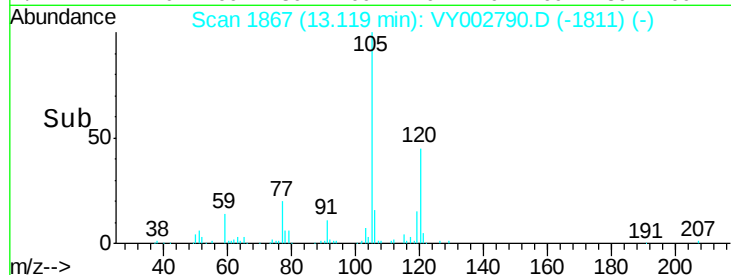
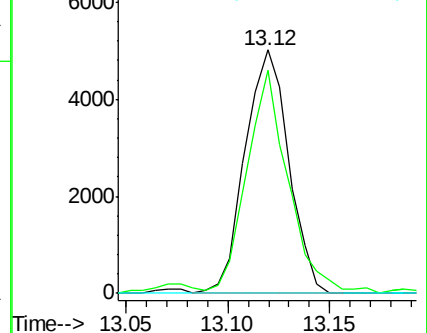
134 0.0 13.3 39.8#



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: 18.190 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VY002790.D

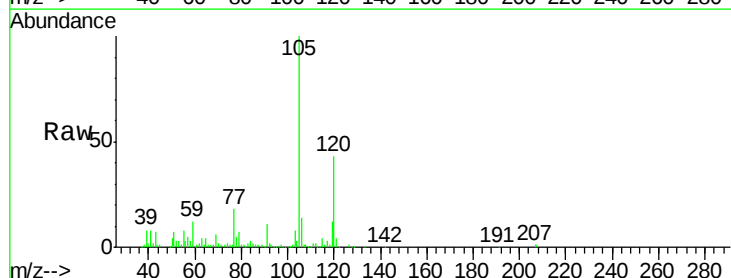
Acq: 28 May 2020 15:22

Tgt Ion:105 Resp: 77864

Ion Ratio Lower Upper

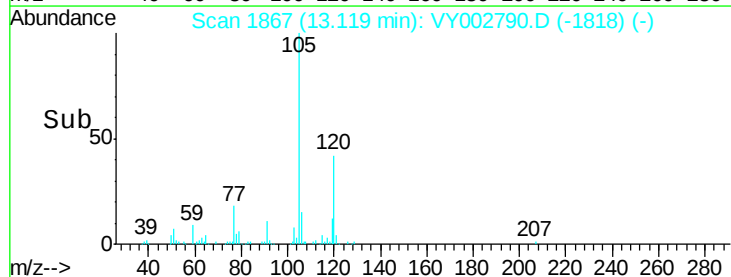
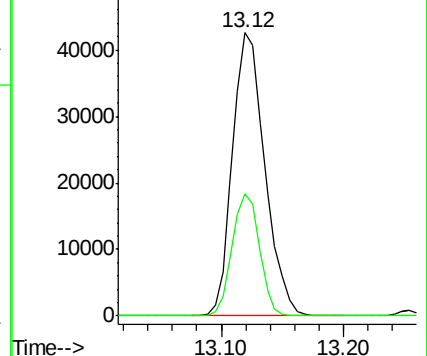
105 100

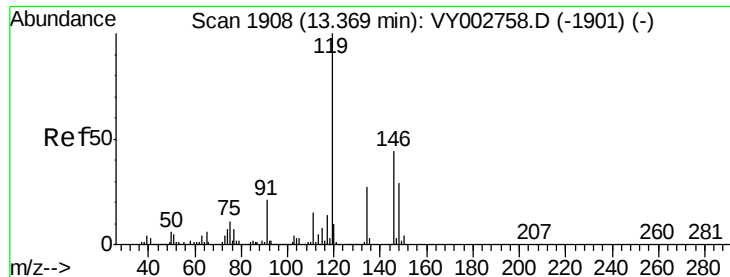
120 36.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

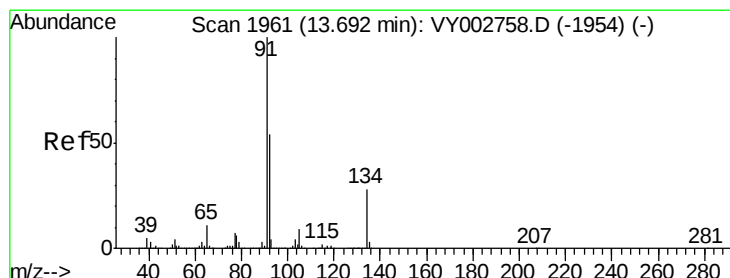
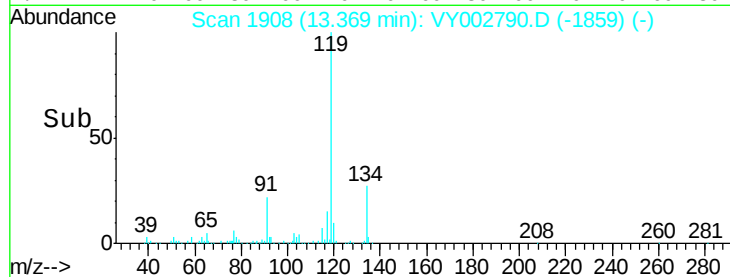
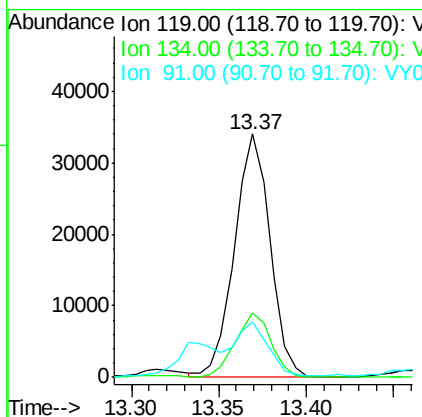
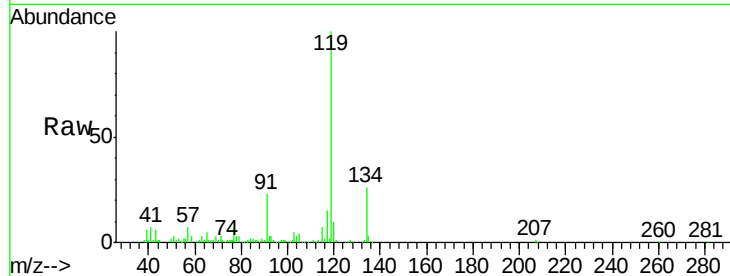




#86
 p-Isopropyltoluene
 Concen: 9.980 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002790.D
 Acq: 28 May 2020 15:22

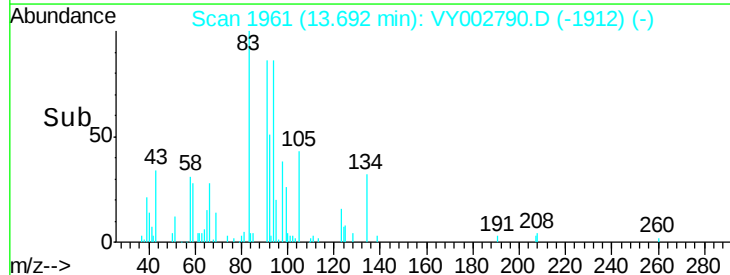
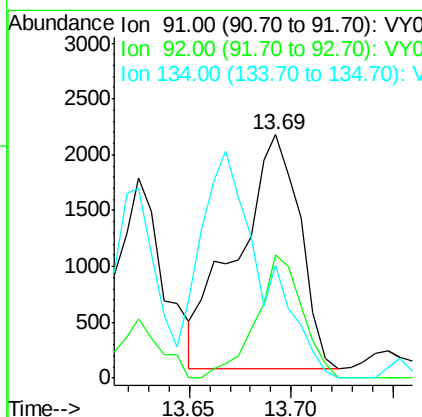
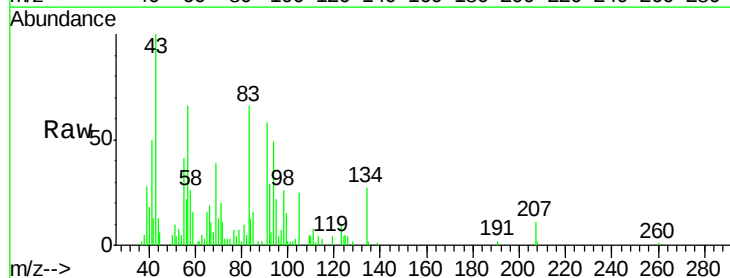
Instrument :
 MSVOA_Y
 ClientSampleId :
 209-213

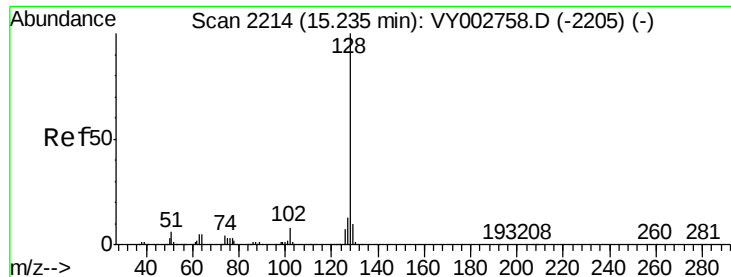
Tot Ion:119 Resp: 48219
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.7 41.0
 91 20.6 10.8 32.4



#89
 n-Butylbenzene
 Concen: 1.023 ug/l
 RT: 13.69 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VY002790.D
 Acq: 28 May 2020 15:22

Tgt Ion: 91 Resp: 4488
 Ion Ratio Lower Upper
 91 100
 92 38.6 27.1 81.2
 134 0.0 14.3 42.9#

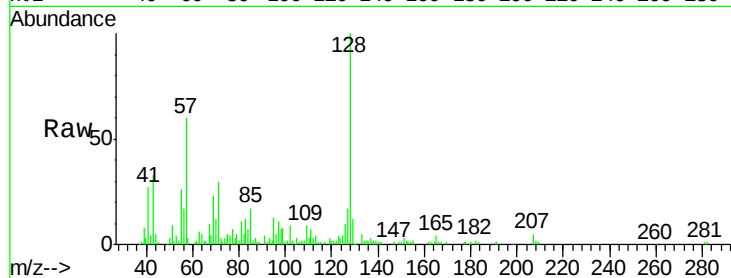




#95
Naphthalene
Concen: 7.296 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002790.D
Acq: 28 May 2020 15:22

Instrument :
MSVOA_Y
ClientSampleId :
209-213

Tot Ion	Ratio	Lower	Upper
128	100		
127	18.5	10.3	15.5#
129	11.8	8.7	13.1



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

