

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
 Data File : VY003530.D
 Acq On : 12 Nov 2020 13:44
 Operator : SY/MD
 Sample : L4622-07
 Misc : 5.50G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PAV-B12-110320-16-17

Quant Time: Nov 13 02:24:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 02 12:40:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	204299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	315013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	221281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	70565	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	105062	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.72	113	92070	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	10.18	98	296344	37.16	ug/l	0.00
Spiked Amount			Recovery	=	74.32%	
62) 4-Bromofluorobenzene	12.48	95	72254	27.35	ug/l	0.00
Spiked Amount			Recovery	=	54.70%	

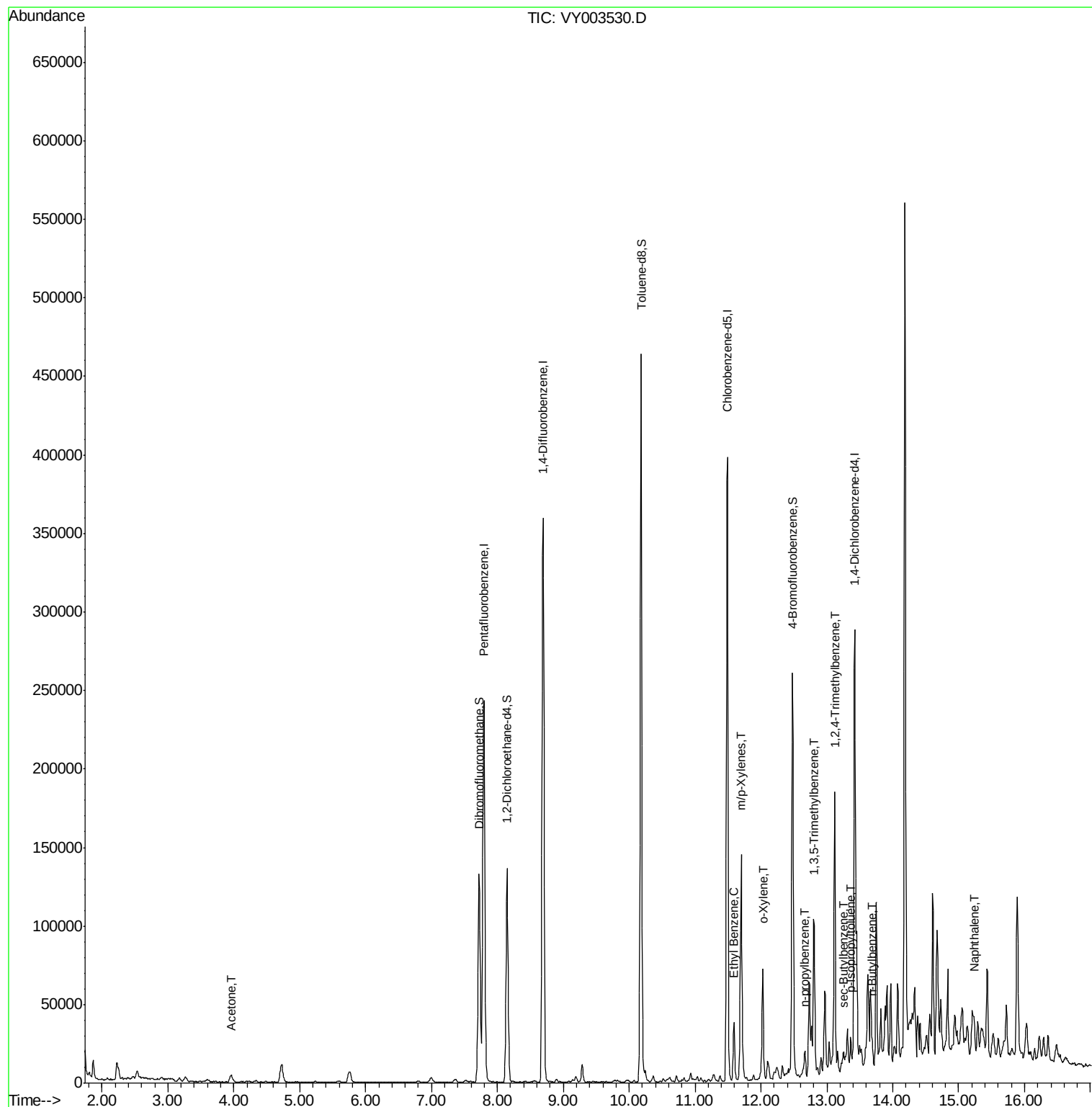
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.96	43	7818	11.315	ug/l	100
67) Ethyl Benzene	11.59	91	24811	3.183	ug/l	100
68) m/p-Xylenes	11.70	106	43218	14.630	ug/l	98
69) o-Xylene	12.03	106	18277	6.726	ug/l	99
78) n-propylbenzene	12.67	91	12723	2.343	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	23757	6.220	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	93144	24.402	ug/l	98
85) sec-Butylbenzene	13.25	105	6875	1.499	ug/l	88
86) p-Isopropyltoluene	13.37	119	5438	1.278	ug/l	97
89) n-Butylbenzene	13.69	91	7248	1.866	ug/l #	73
95) Naphthalene	15.23	128	16332	5.949	ug/l #	89

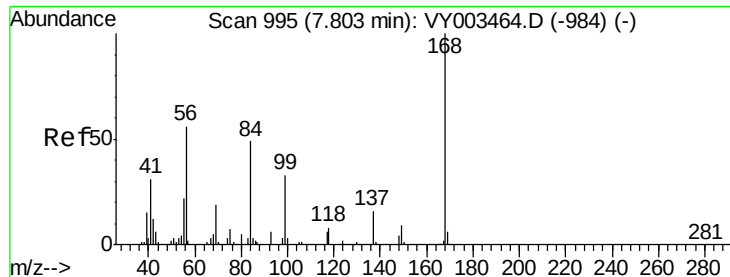
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY111220\
Data File : VY003530.D
Acq On : 12 Nov 2020 13:44
Operator : SY/MD
Sample : L4622-07
Misc : 5.50G/5ML/MSVOA Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PAV-B12-110320-16-17

Quant Time: Nov 13 02:24:44 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y110220S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 02 12:40:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY003530.D

Acq: 12 Nov 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

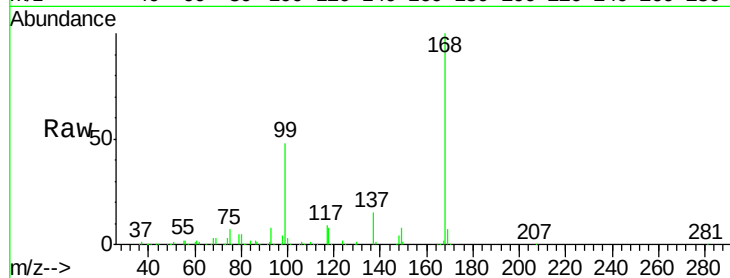
PAV-B12-110320-16-17

Tot Ion:168 Resp: 204299

Ion Ratio Lower Upper

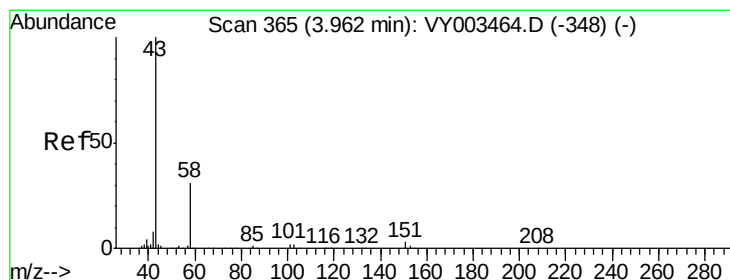
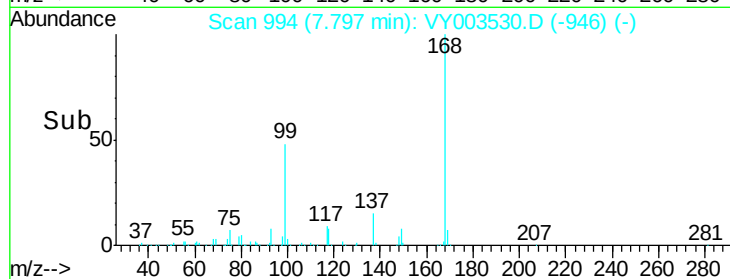
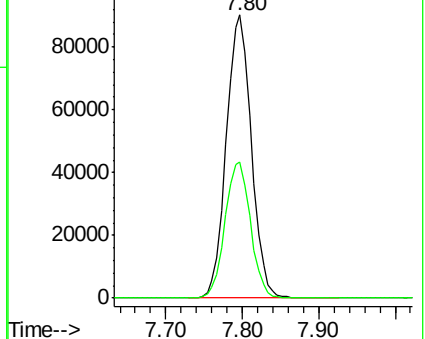
168 100

99 48.1 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY003464.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY003464.D (-984) (-)



#16

Acetone

Concen: 11.315 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.00 min

Lab File: VY003530.D

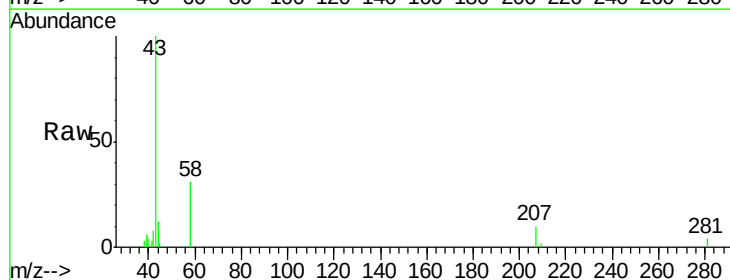
Acq: 12 Nov 2020 13:44

Tgt Ion: 43 Resp: 7818

Ion Ratio Lower Upper

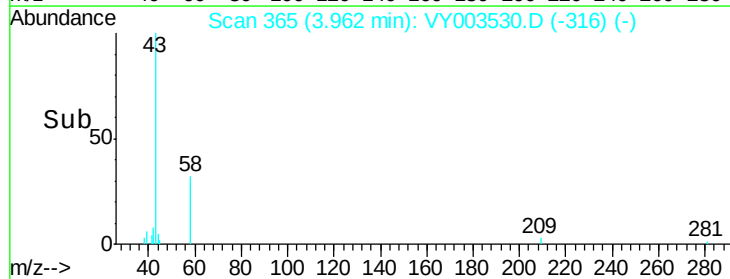
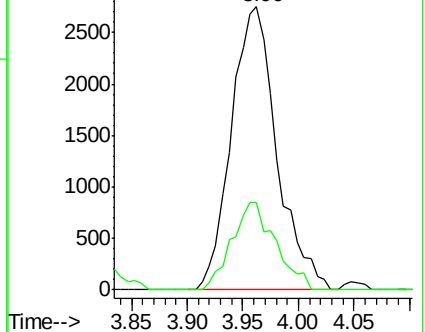
43 100

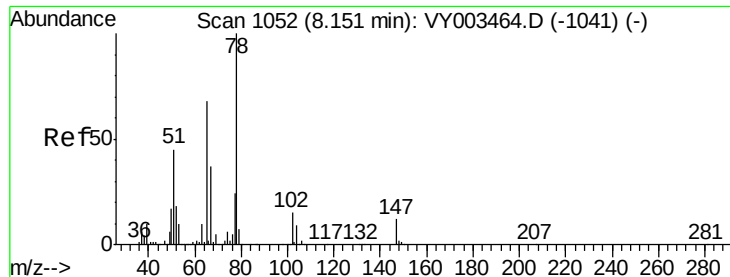
58 31.1 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VY003464.D (-348) (-)

Ion 58.00 (57.70 to 58.70): VY003464.D (-348) (-)

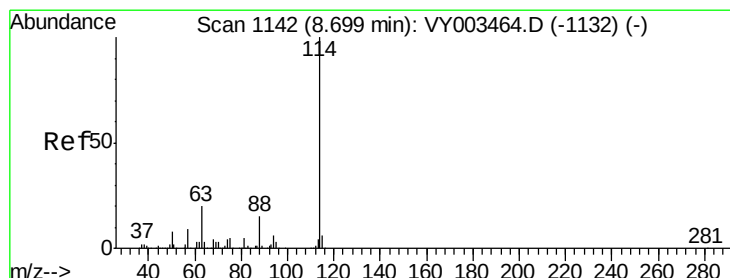
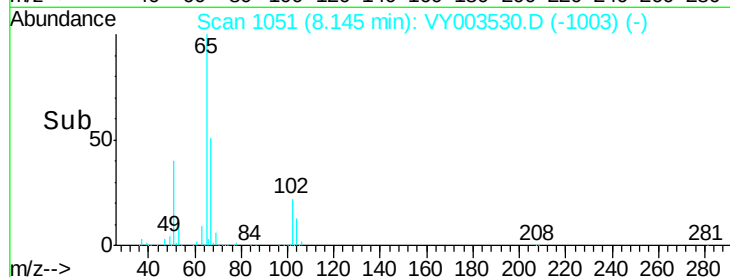
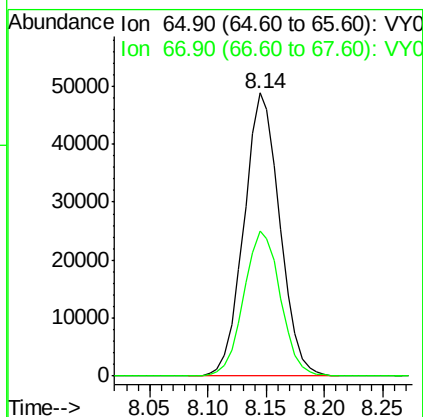
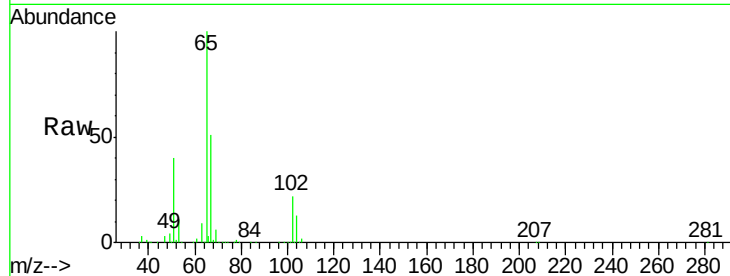




#33
 1,2-Dichloroethane-d4
 Concen: 50.162 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY003530.D
 Acq: 12 Nov 2020 13:44

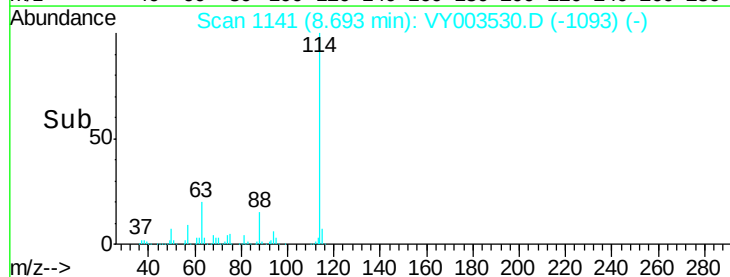
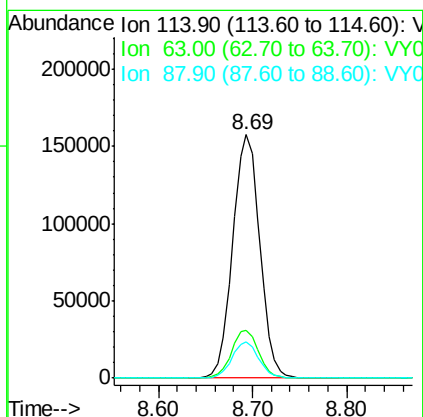
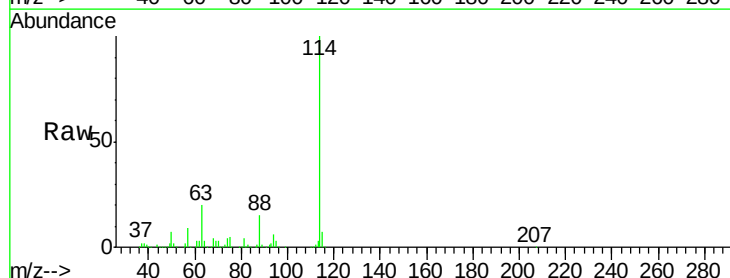
Instrument :
 MSVOA_Y
 ClientSampleId :
 PAV-B12-110320-16-17

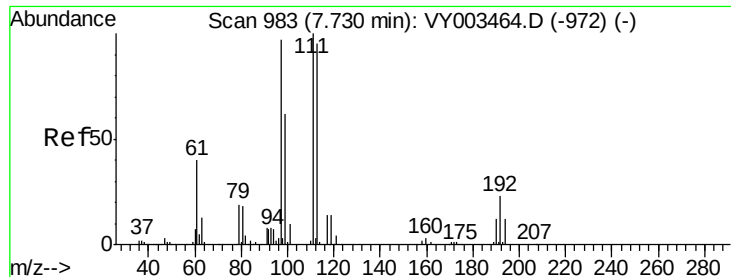
Tot Ion: 65 Resp: 105062
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY003530.D
 Acq: 12 Nov 2020 13:44

Tgt Ion: 114 Resp: 315013
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.6
 88 14.7 0.0 29.4

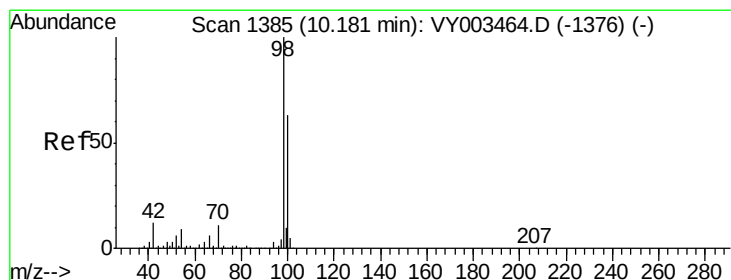
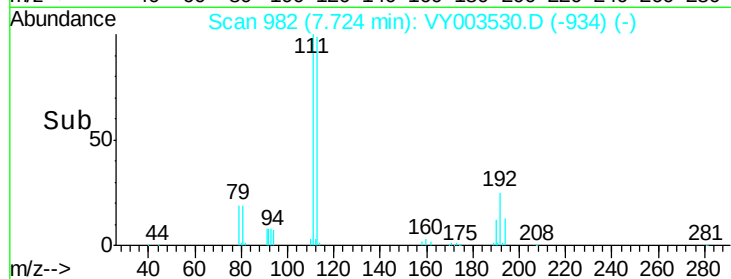
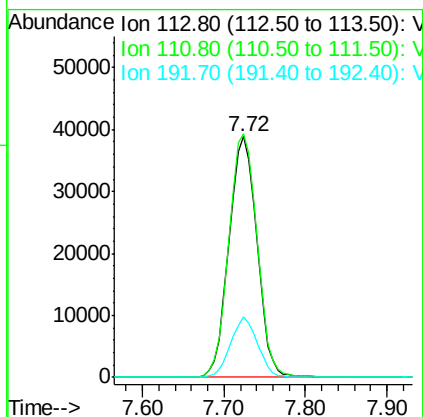
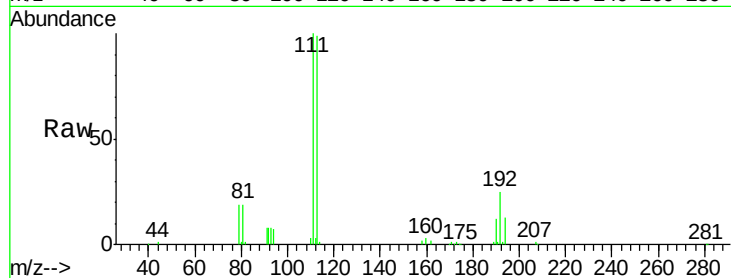




#35
Dibromofluoromethane
Concen: 48.030 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.01 min
Lab File: VY003530.D
Acq: 12 Nov 2020 13:44

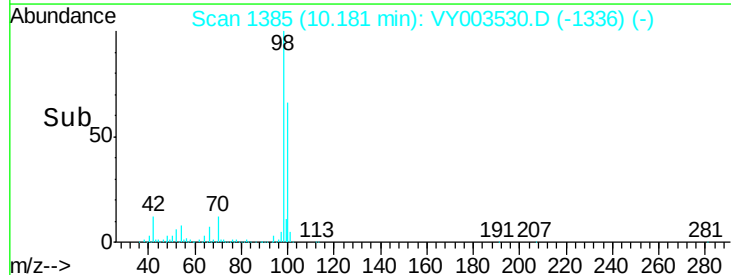
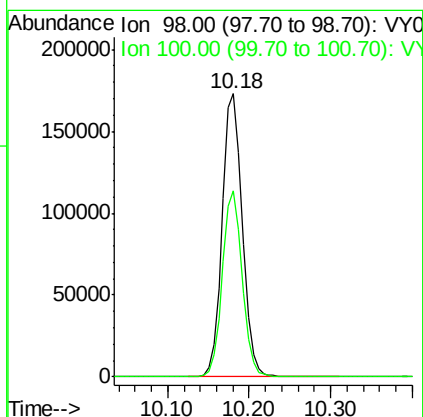
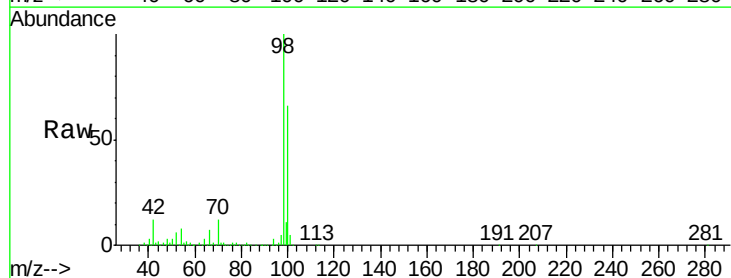
Instrument :
MSVOA_Y
ClientSampleId :
PAV-B12-110320-16-17

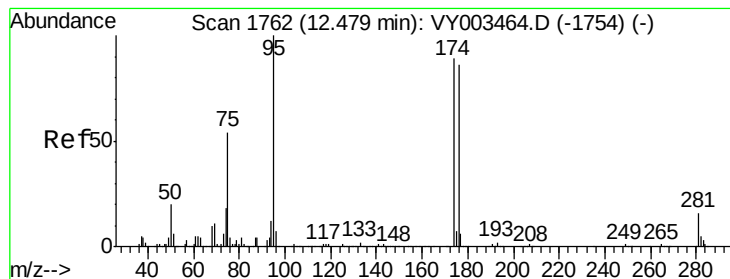
Tot Ion:113 Resp: 92070
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 24.1 18.8 28.2



#50
Toluene-d8
Concen: 37.161 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY003530.D
Acq: 12 Nov 2020 13:44

Tgt Ion: 98 Resp: 296344
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 27.346 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY003530.D

Acq: 12 Nov 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

PAV-B12-110320-16-17

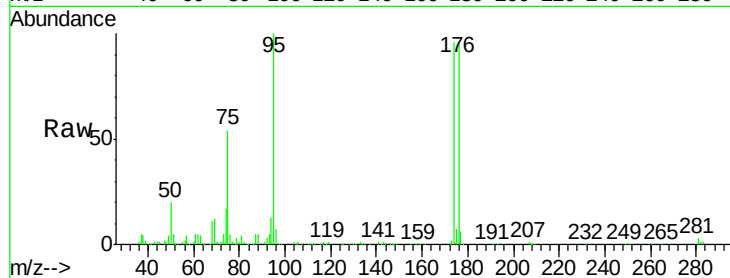
Tot Ion: 95 Resp: 72254

Ion Ratio Lower Upper

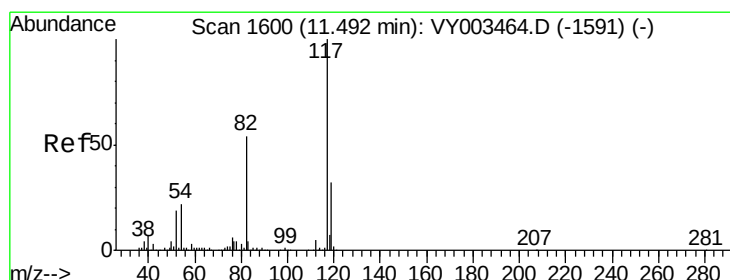
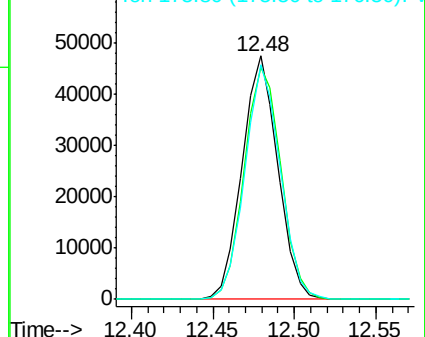
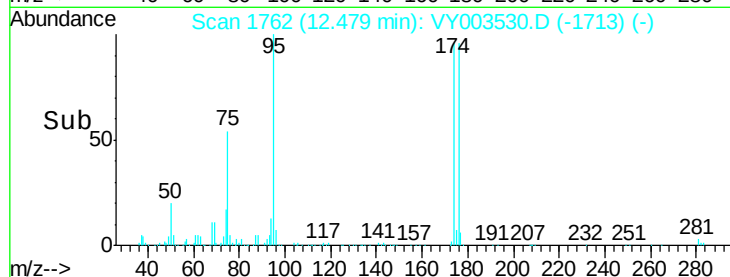
95 100

174 98.6 0.0 193.0

176 95.9 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VY003530.D (-1713) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VY003530.D

Acq: 12 Nov 2020 13:44

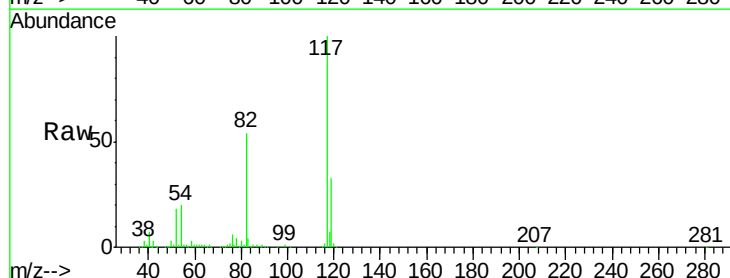
Tgt Ion: 117 Resp: 221281

Ion Ratio Lower Upper

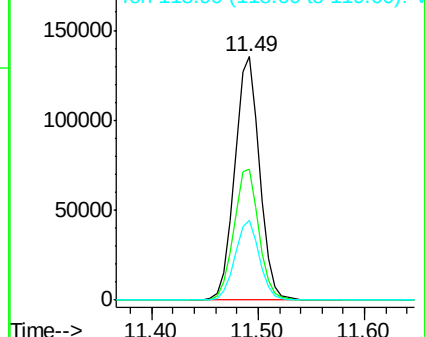
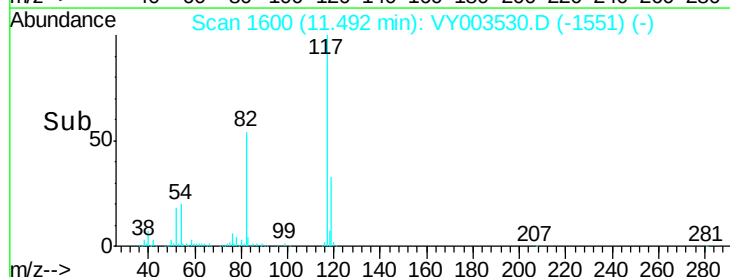
117 100

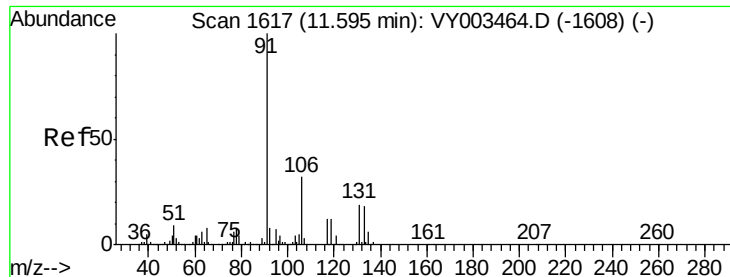
82 53.9 43.4 65.2

119 32.7 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VY003530.D (-1551) (-)





#67

Ethyl Benzene

Concen: 3.183 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY003530.D

Acq: 12 Nov 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

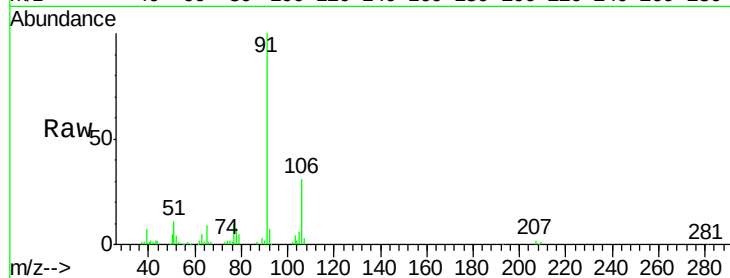
PAV-B12-110320-16-17

Tot Ion: 91 Resp: 24811

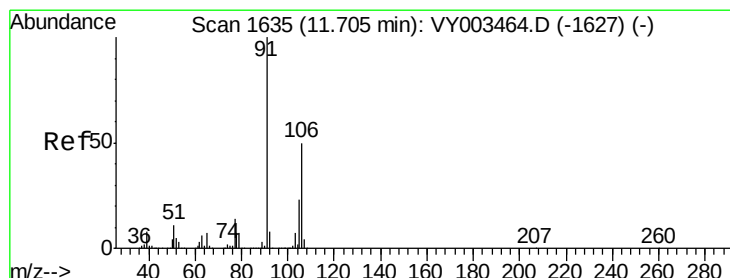
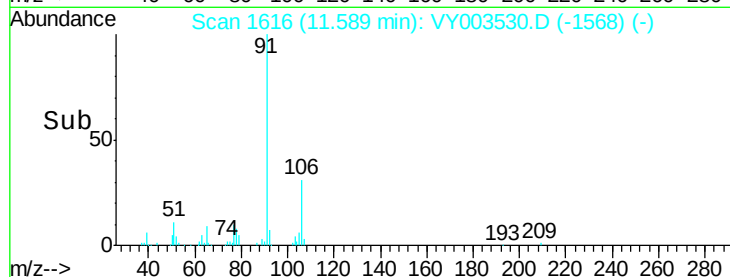
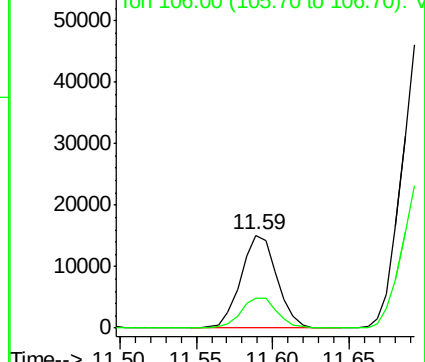
Ion Ratio Lower Upper

91 100

106 31.4 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VY003464.D (-1608) (-)



#68

m/p-Xylenes

Concen: 14.630 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY003530.D

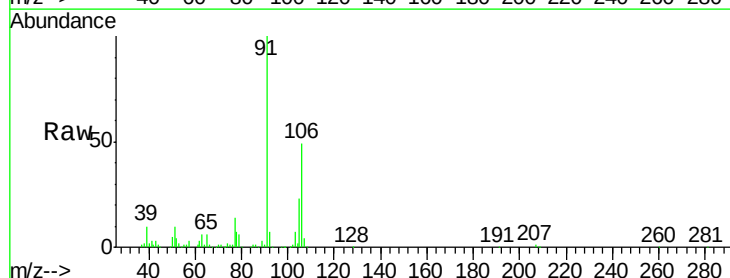
Acq: 12 Nov 2020 13:44

Tgt Ion: 106 Resp: 43218

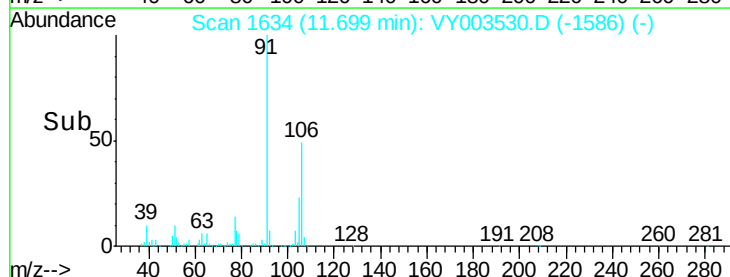
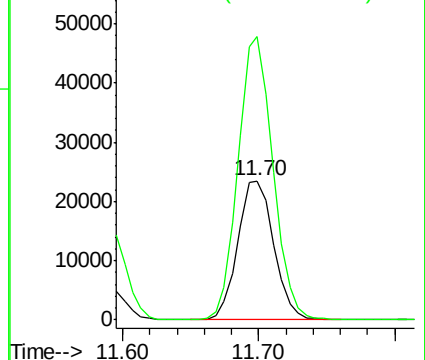
Ion Ratio Lower Upper

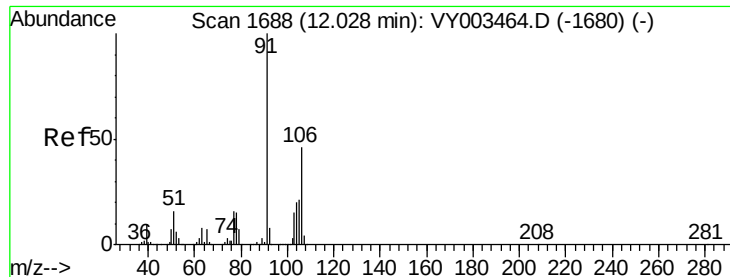
106 100

91 198.1 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): VY003464.D (-1627) (-)

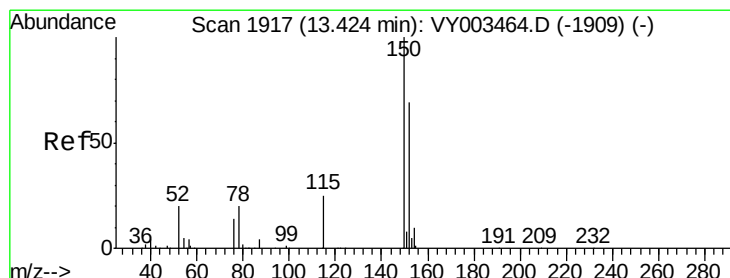
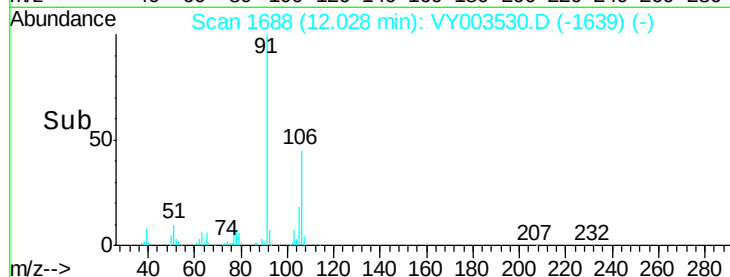
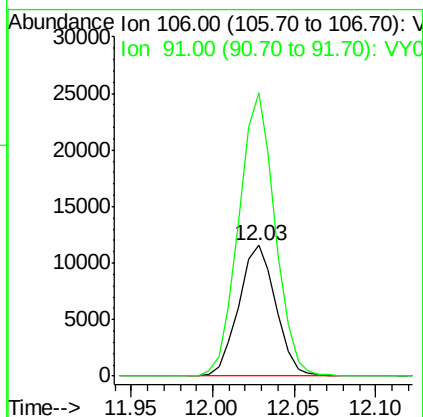
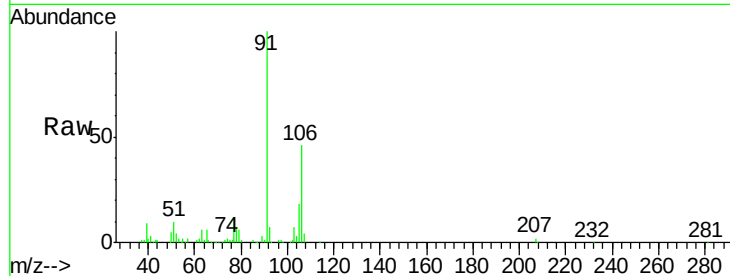




#69
o-Xylene
Concen: 6.726 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY003530.D
Acq: 12 Nov 2020 13:44

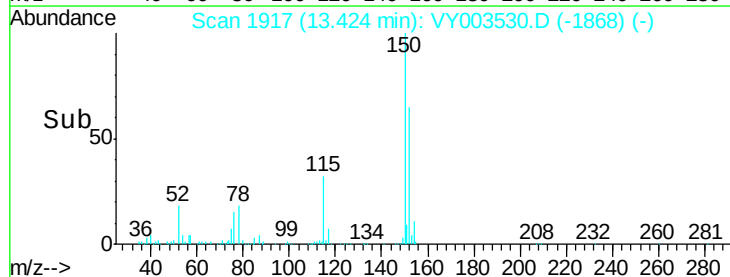
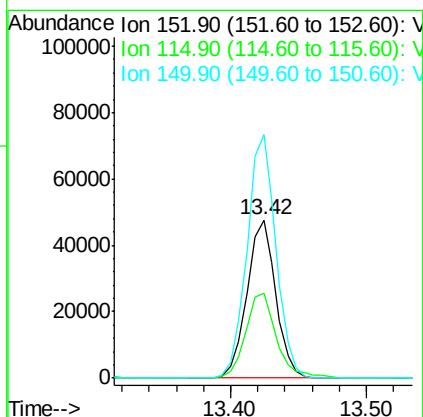
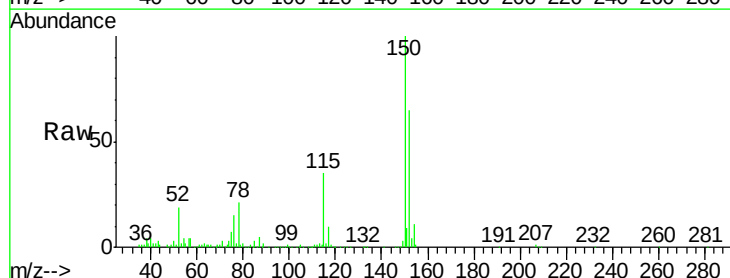
Instrument :
MSVOA_Y
ClientSampleId :
PAV-B12-110320-16-17

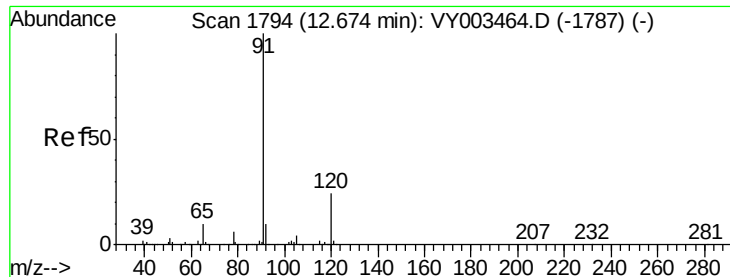
Tot Ion:106 Resp: 18277
Ion Ratio Lower Upper
106 100
91 213.0 105.5 316.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. -0.00 min
Lab File: VY003530.D
Acq: 12 Nov 2020 13:44

Tgt Ion:152 Resp: 70565
Ion Ratio Lower Upper
152 100
115 57.2 27.5 82.4
150 154.8 0.0 345.8





#78

n-propylbenzene

Concen: 2.343 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY003530.D

Acq: 12 Nov 2020 13:44

Instrument :

MSVOA_Y

ClientSampleId :

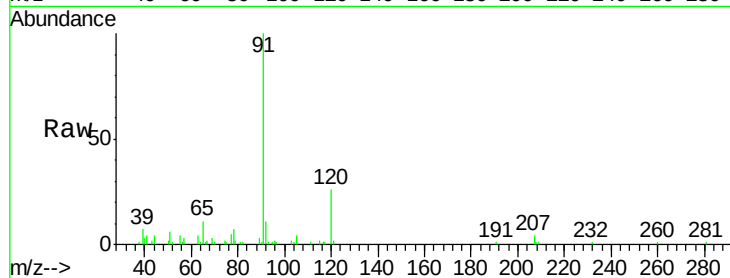
PAV-B12-110320-16-17

Tot Ion: 91 Resp: 12723

Ion Ratio Lower Upper

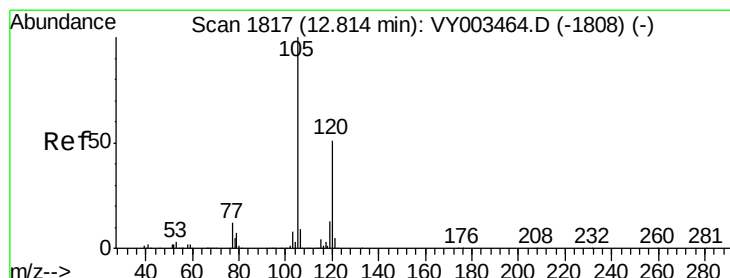
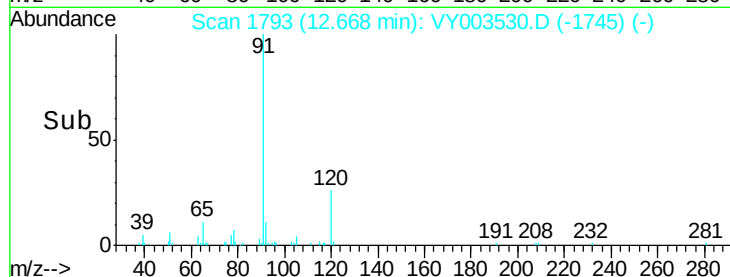
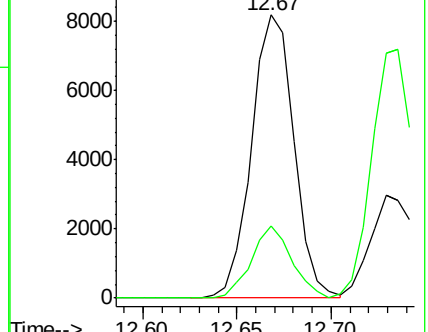
91 100

120 24.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VY003464.D (-1787) (-)

Ion 120.00 (119.70 to 120.70): VY003464.D (-1787) (-)



#80

1,3,5-Trimethylbenzene

Concen: 6.220 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY003530.D

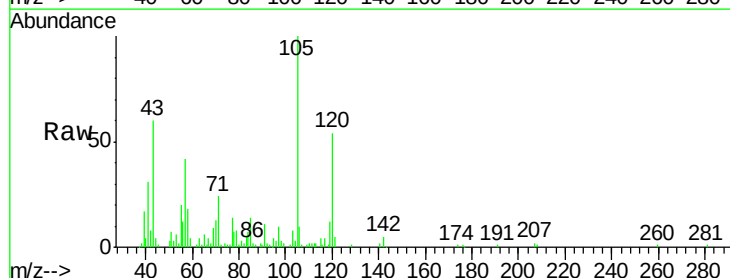
Acq: 12 Nov 2020 13:44

Tgt Ion: 105 Resp: 23757

Ion Ratio Lower Upper

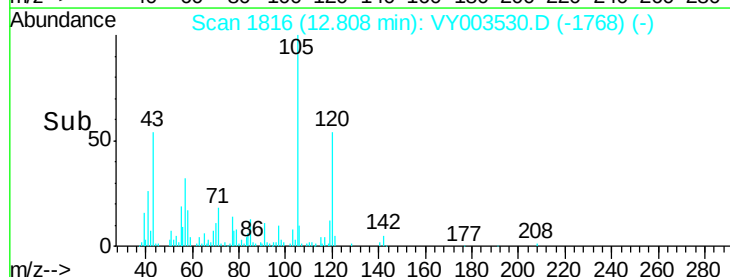
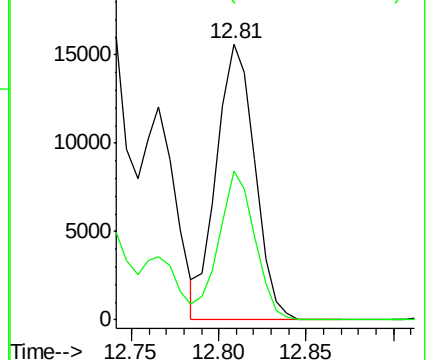
105 100

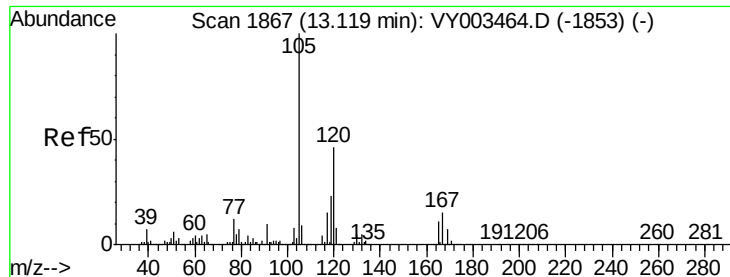
120 50.8 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VY003464.D (-1808) (-)

Ion 120.00 (119.70 to 120.70): VY003464.D (-1808) (-)

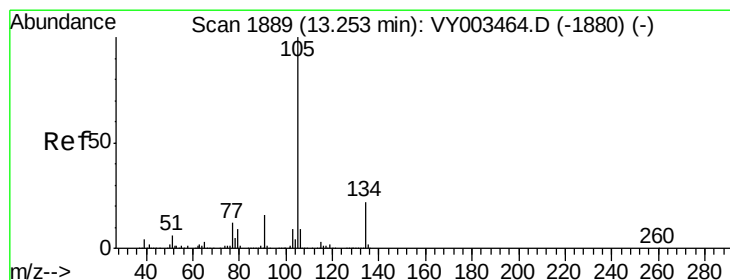
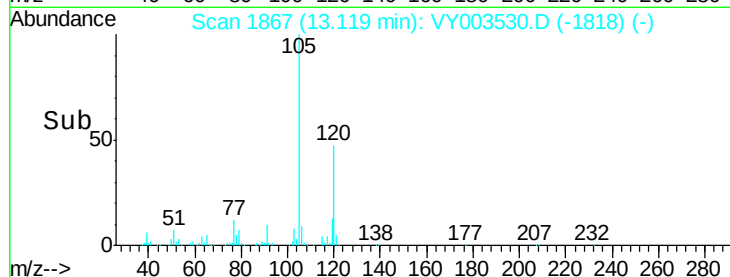
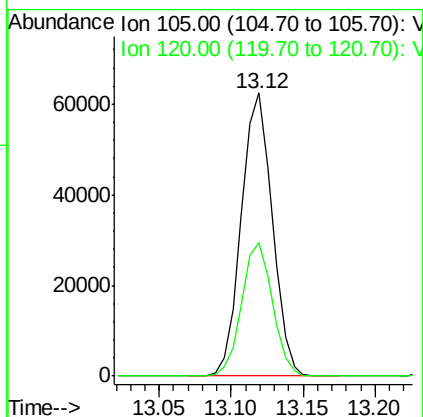
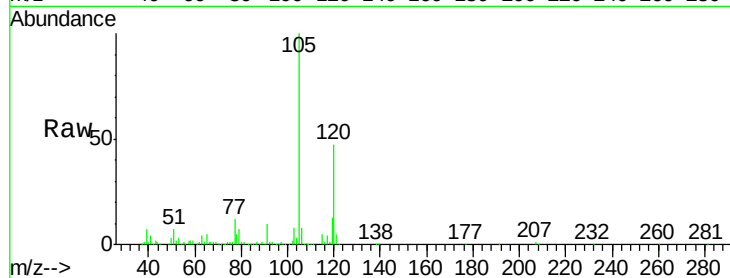




#84
 1,2,4-Trimethylbenzene
 Concen: 24.402 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY003530.D
 Acq: 12 Nov 2020 13:44

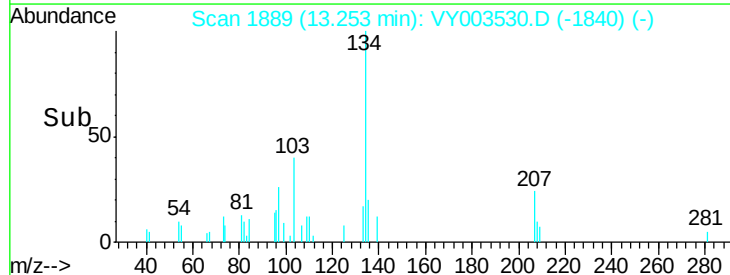
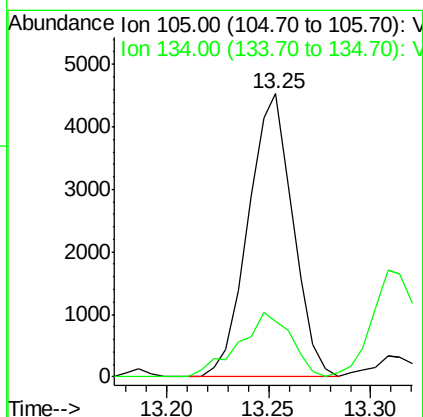
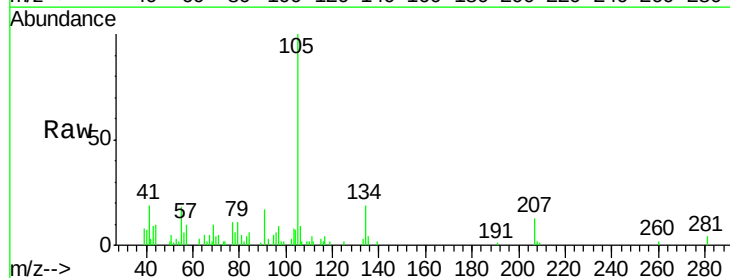
Instrument :
 MSVOA_Y
 ClientSampleId :
 PAV-B12-110320-16-17

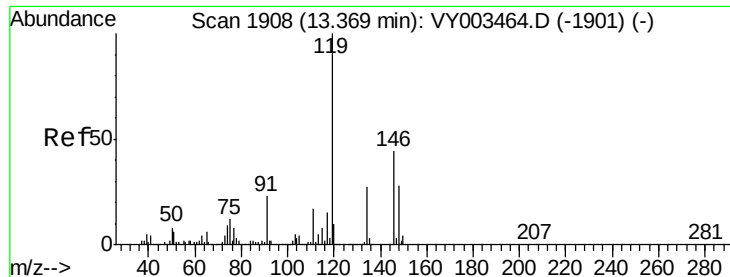
Tot Ion:105 Resp: 93144
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 1.499 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY003530.D
 Acq: 12 Nov 2020 13:44

Tgt Ion:105 Resp: 6875
 Ion Ratio Lower Upper
 105 100
 134 26.7 10.6 31.8

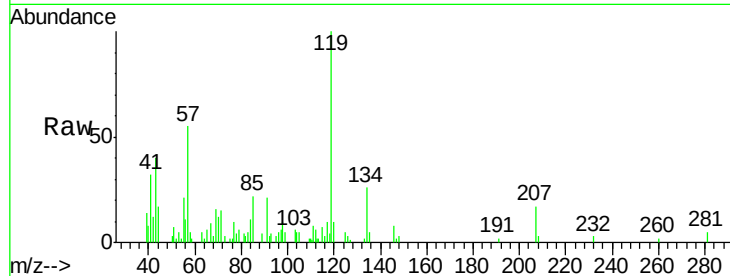




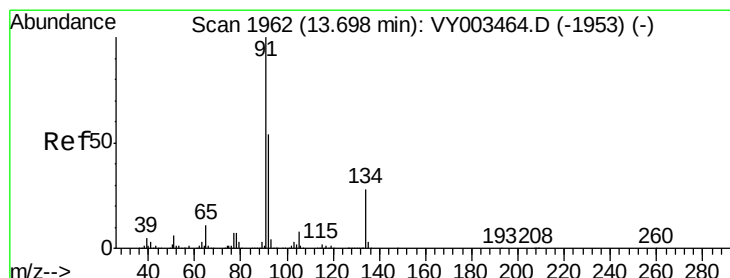
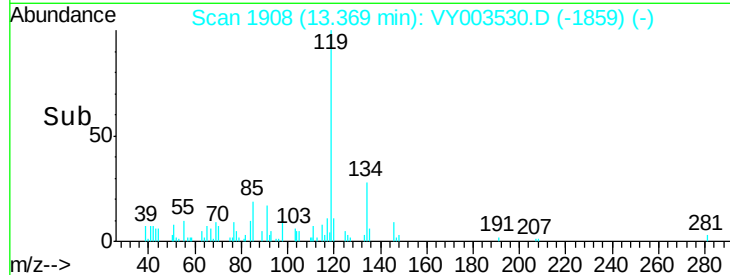
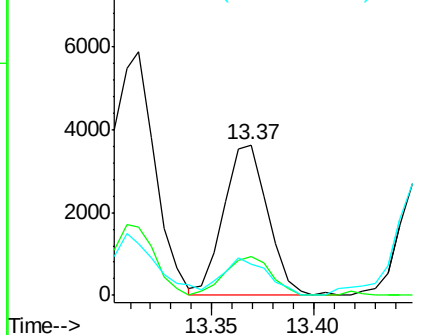
#86
p-Isopropyltoluene
Concen: 1.278 ug/l
RT: 13.37 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VY003530.D
Acq: 12 Nov 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
PAV-B12-110320-16-17

Tot Ion:119 Resp: 5438
Ion Ratio Lower Upper
119 100
134 27.2 13.6 40.7
91 25.3 11.4 34.2

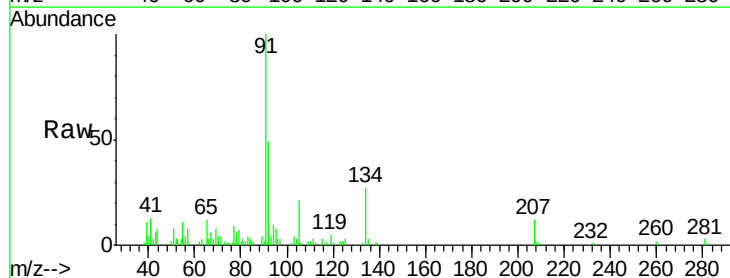


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

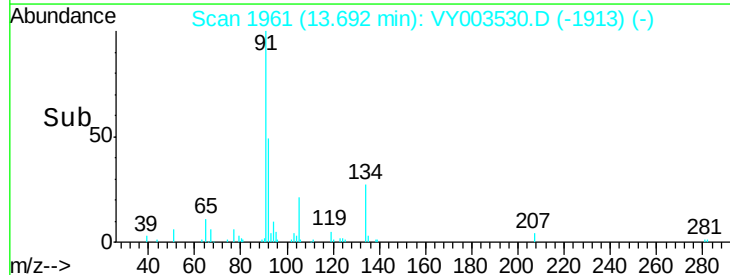
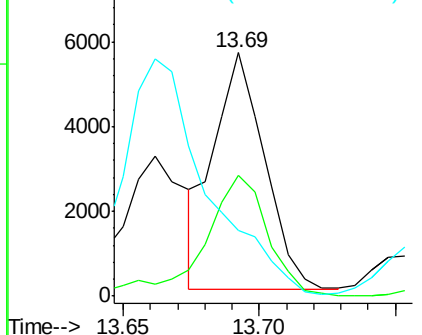


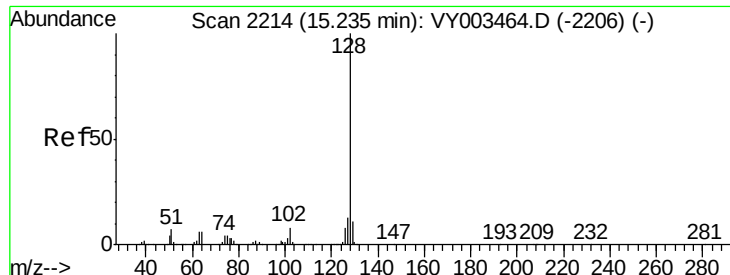
#89
n-Butylbenzene
Concen: 1.866 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY003530.D
Acq: 12 Nov 2020 13:44

Tgt Ion: 91 Resp: 7248
Ion Ratio Lower Upper
91 100
92 63.4 26.7 80.1
134 0.0 13.8 41.3#



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 92.00 (91.70 to 92.70): VY0
Ion 134.00 (133.70 to 134.70): V

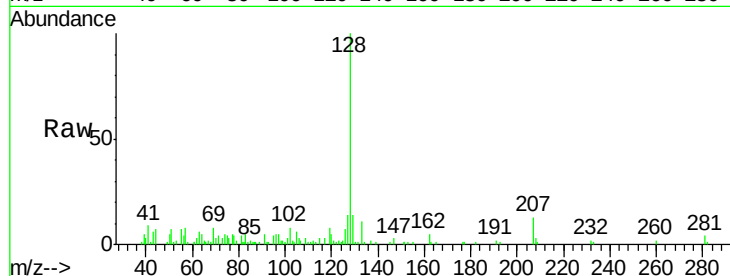




#95
Naphthalene
Concen: 5.949 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY003530.D
Acq: 12 Nov 2020 13:44

Instrument :
MSVOA_Y
ClientSampleId :
PAV-B12-110320-16-17

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.9	10.5	15.7#
129	15.2	8.6	13.0#



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

