

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121219\
 Data File : VY000933.D
 Acq On : 12 Dec 2019 16:12
 Operator : SY/MD
 Sample : K6268-02
 Misc : 5.83G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 33-19-12-11-01W

Quant Time: Dec 13 06:28:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	104518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	187694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	159056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	60376	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	60874	54.81	ug/l	0.00
Spiked Amount			Recovery	=	109.62%	
35) Dibromofluoromethane	7.72	113	49304	45.07	ug/l	0.00
Spiked Amount			Recovery	=	90.14%	
50) Toluene-d8	10.17	98	219309	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.47	95	65794	40.06	ug/l	0.00
Spiked Amount			Recovery	=	80.12%	

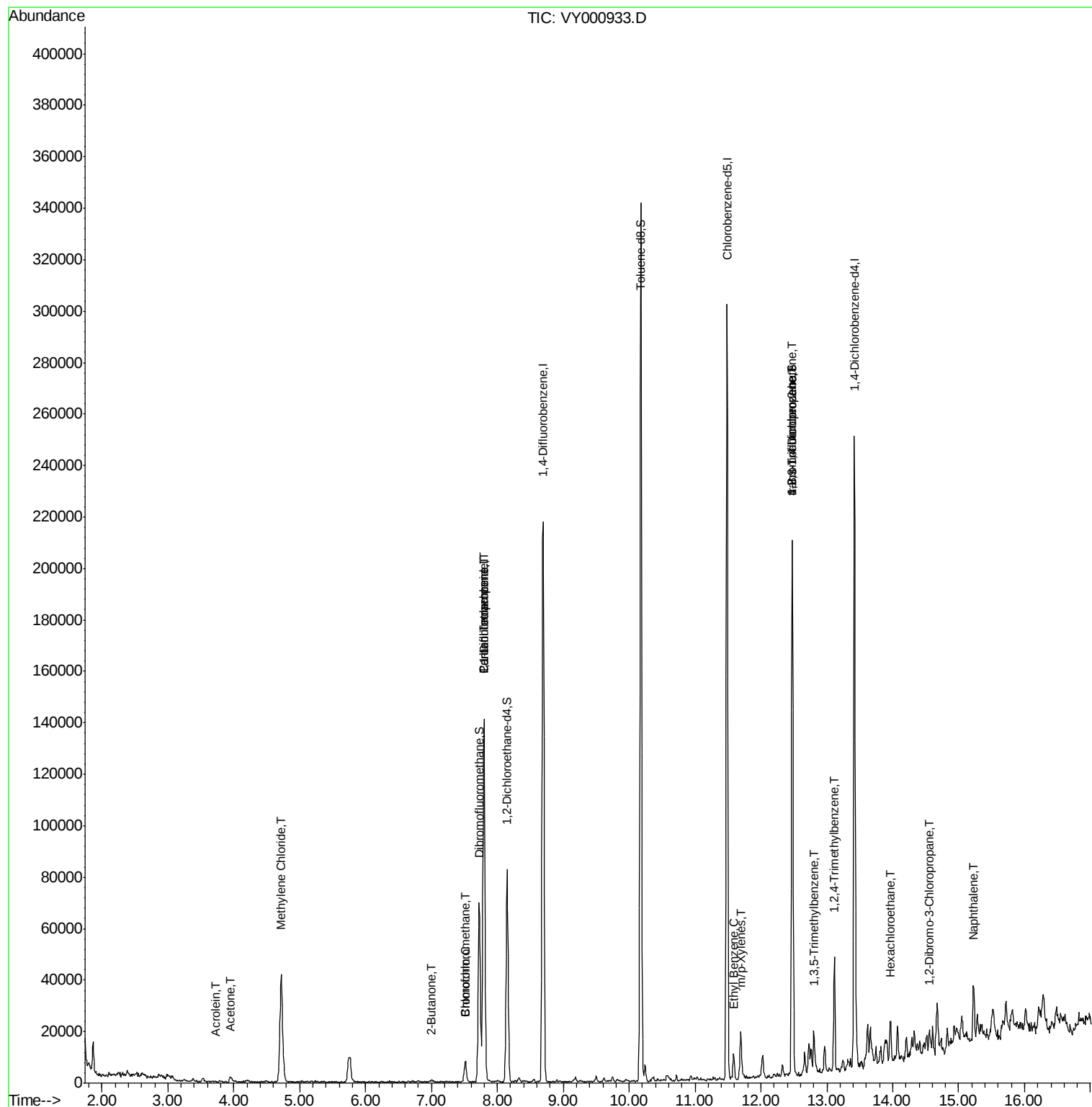
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	215	Below Cal		100
13) Acrolein	3.73	56	135	1.227	ug/l #	46
16) Acetone	3.94	43	3448	13.534	ug/l #	85
20) Methylene Chloride	4.72	84	30358	22.606	ug/l	94
25) 2-Butanone	7.00	43	629	1.337	ug/l #	49
28) Bromochloromethane	7.52	49	628	2.754	ug/l #	15
30) Chloroform	7.52	83	8152	3.651	ug/l #	71
36) 1,1-Dichloropropene	7.80	75	8243	4.417	ug/l #	46
38) Carbon Tetrachloride	7.80	117	10178	6.124	ug/l #	14
67) Ethyl Benzene	11.58	91	6327	1.028	ug/l	95
68) m/p-Xylenes	11.70	106	5455	2.360	ug/l	95
76) 1,2,3-Trichloropropane	12.47	75	32471	47.468	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.80	105	6666	1.675	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.47	75	32471	93.242	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.11	105	22161	5.565	ug/l	94
90) Hexachloroethane	13.96	117	787	1.009	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.55	75	166	1.047	ug/l #	16
95) Naphthalene	15.23	128	16820	5.822	ug/l	97

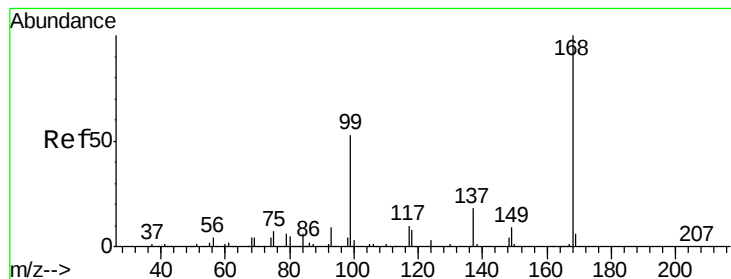
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY121219\
Data File : VY000933.D
Acq On : 12 Dec 2019 16:12
Operator : SY/MD
Sample : K6268-02
Misc : 5.83G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
33-19-12-11-01W

Quant Time: Dec 13 06:28:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

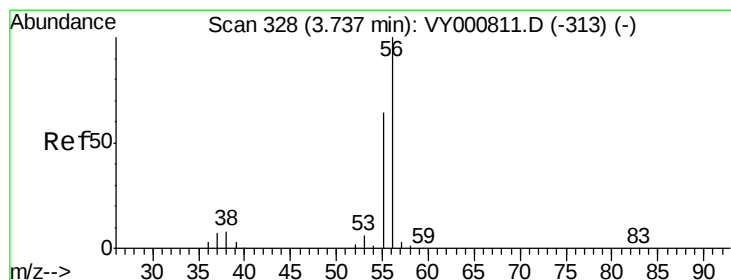
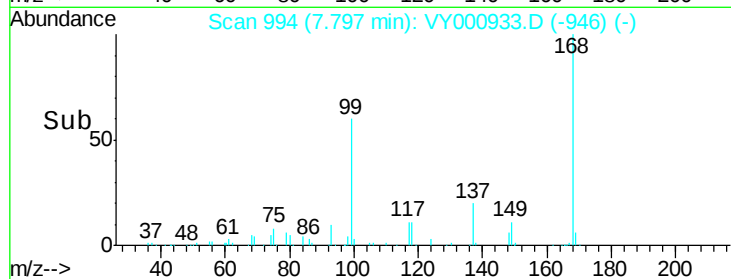
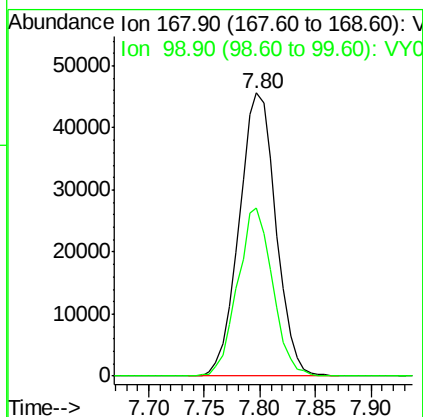
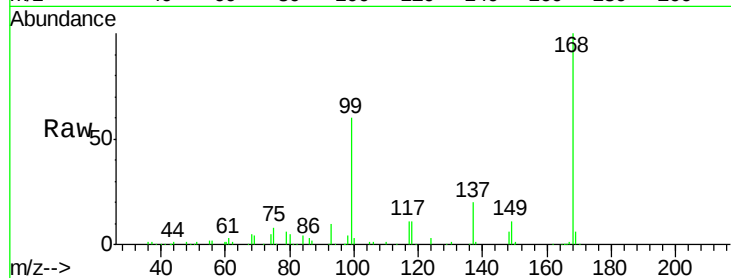




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.01 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

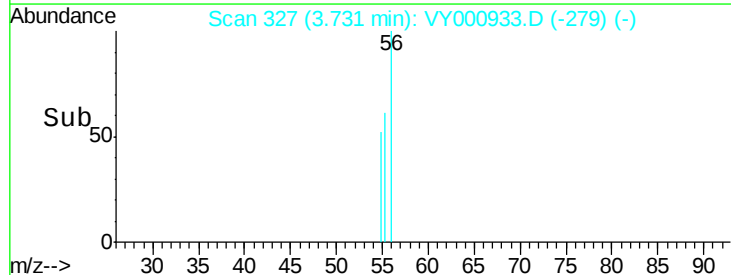
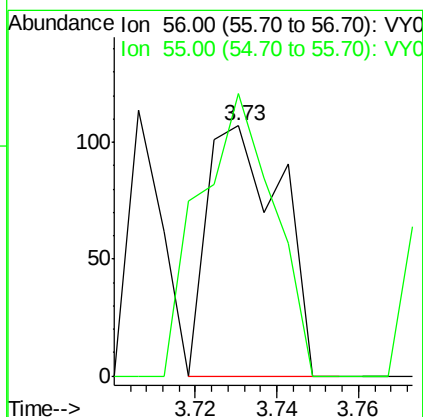
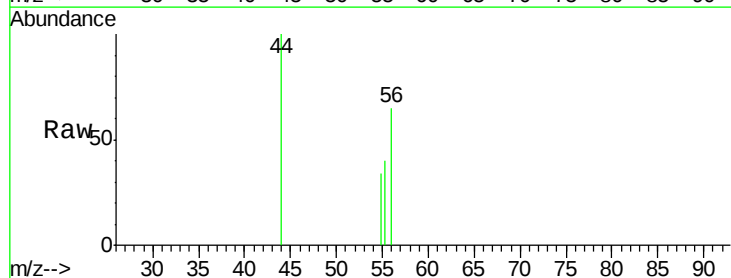
Instrument :
MSVOA_Y
ClientSampleId :
33-19-12-11-01W

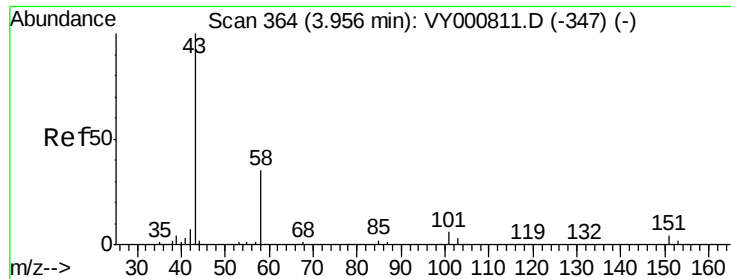
Tgt Ion: 168 Resp: 104518
Ion Ratio Lower Upper
168 100
99 59.5 45.0 67.6



#13
Acrolein
Concen: 1.227 ug/l
RT: 3.73 min Scan# 327
Delta R.T. -0.01 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

Tgt Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 114.1 55.7 83.5#





#16

Acetone

Concen: 13.534 ug/l

RT: 3.94 min Scan# 362

Delta R.T. -0.01 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

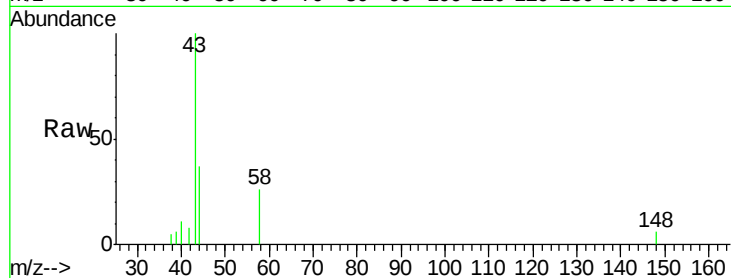
33-19-12-11-01W

Tgt Ion: 43 Resp: 3448

Ion Ratio Lower Upper

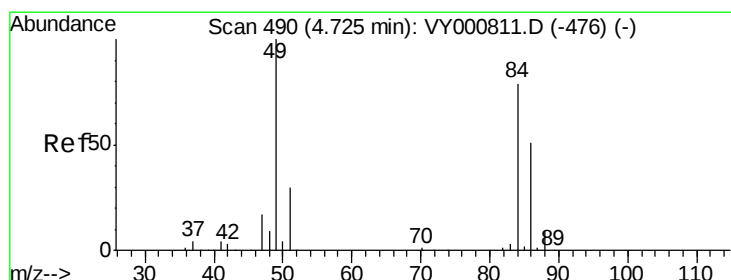
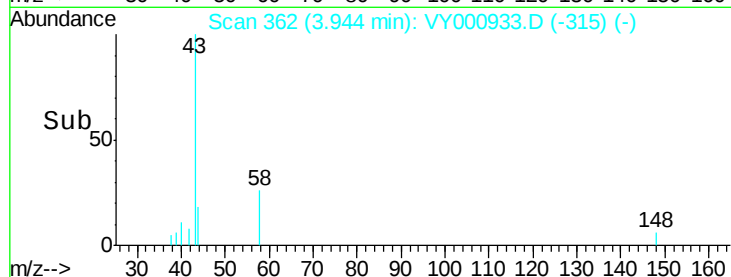
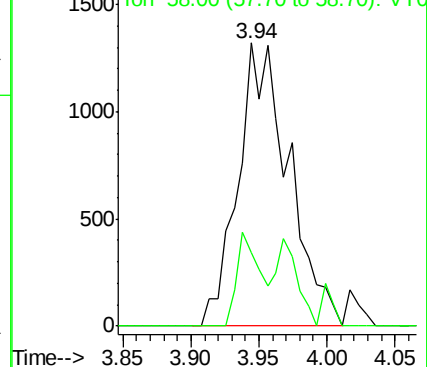
43 100

58 26.0 28.0 42.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#20

Methylene Chloride

Concen: 22.606 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

Tgt Ion: 84 Resp: 30358

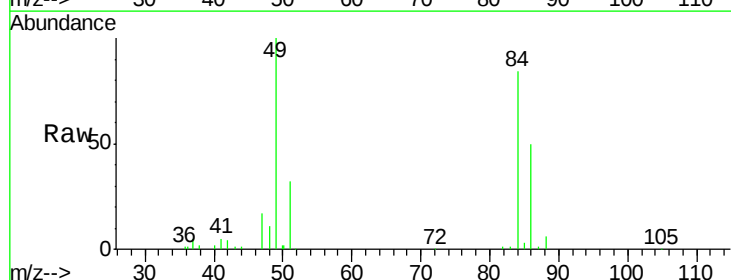
Ion Ratio Lower Upper

84 100

49 118.9 101.3 151.9

51 37.6 30.6 45.8

86 59.1 51.3 76.9

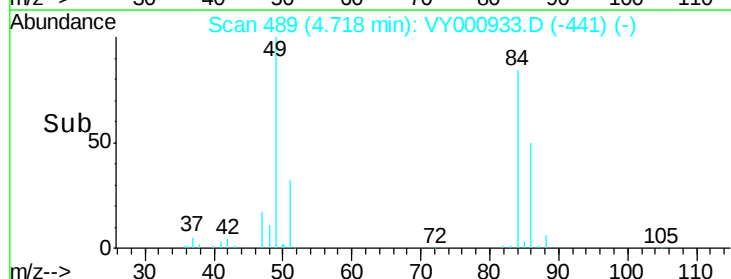
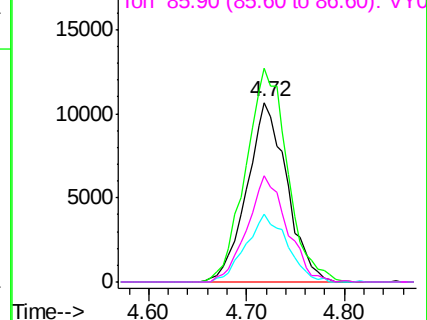


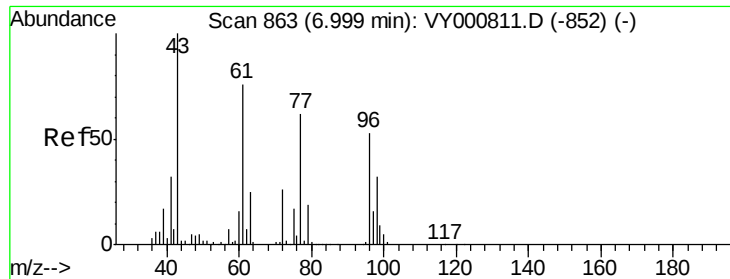
Abundance Ion 83.90 (83.60 to 84.60): VY0

Ion 48.90 (48.60 to 49.60): VY0

Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0

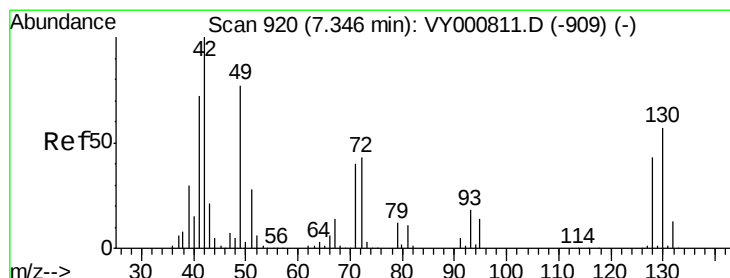
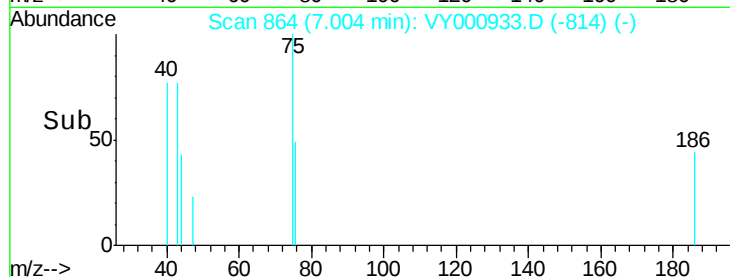
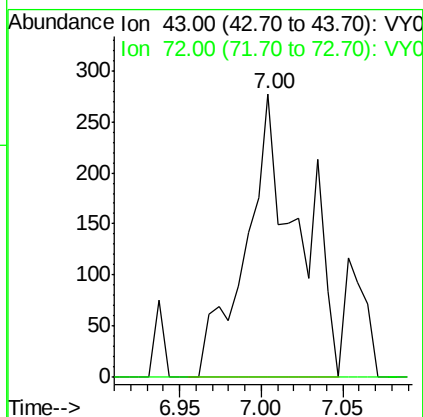
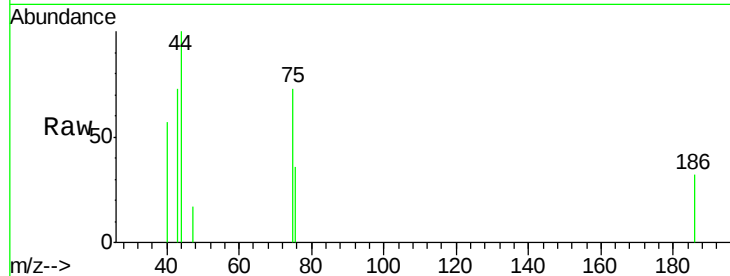




#25
2-Butanone
Concen: 1.337 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

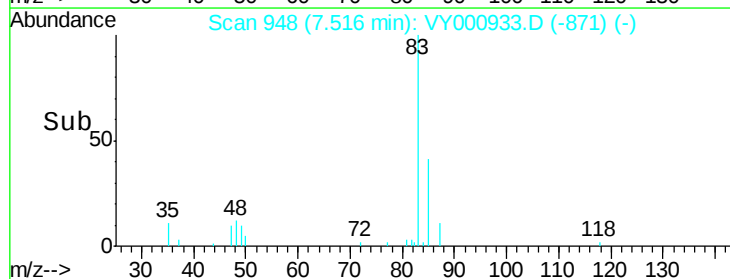
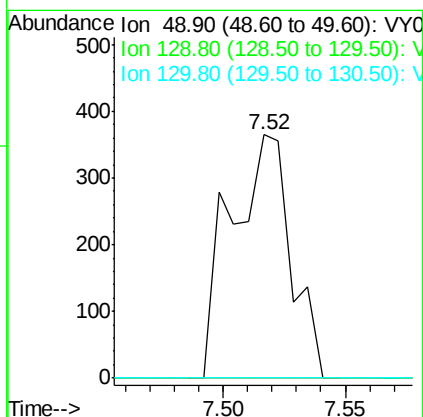
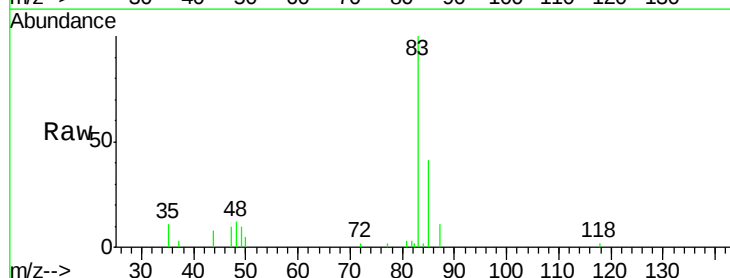
Instrument :
MSVOA_Y
ClientSampleId :
33-19-12-11-01W

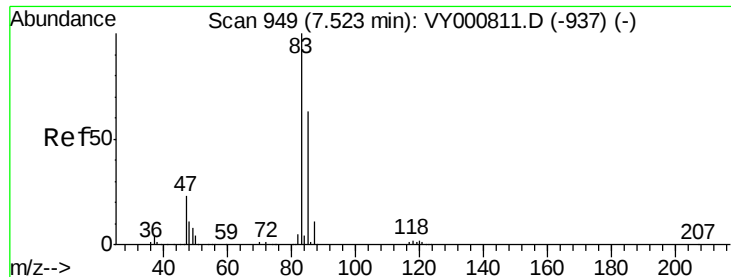
Tgt Ion: 43 Resp: 629
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#28
Bromochloromethane
Concen: 2.754 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.17 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

Tgt Ion: 49 Resp: 628
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.7 88.1#

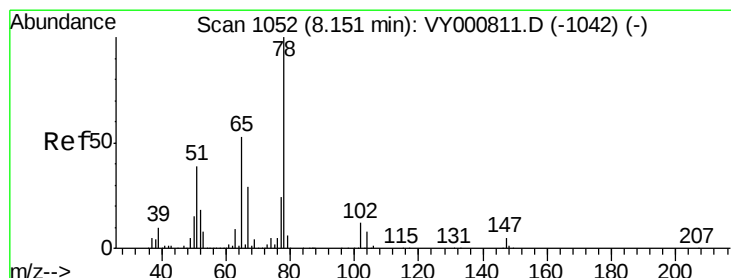
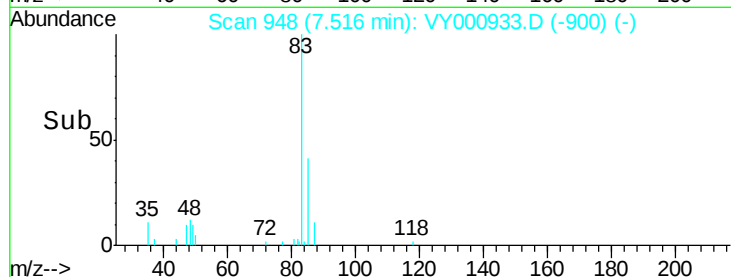
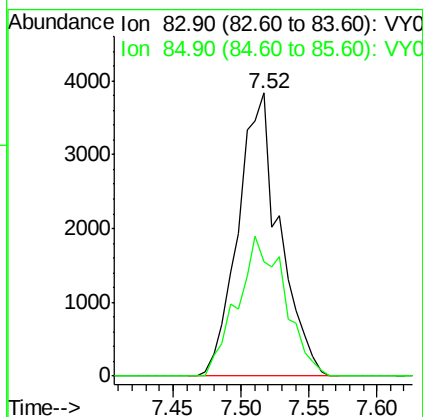
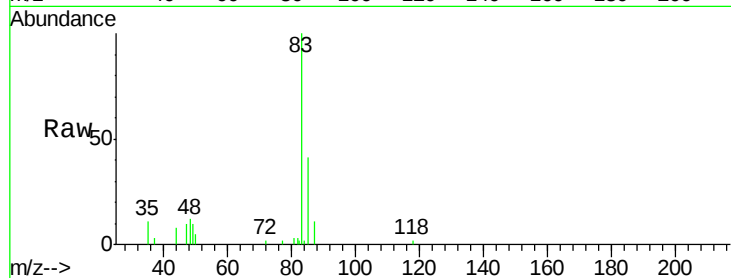




#30
Chloroform
Concen: 3.651 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

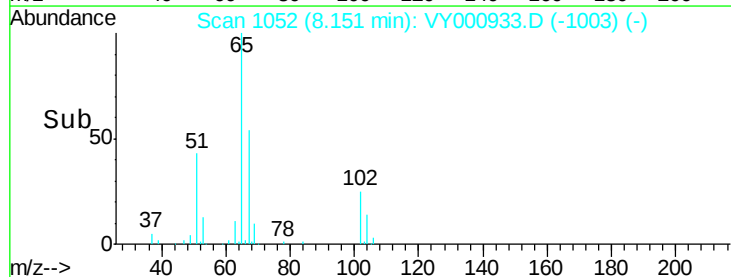
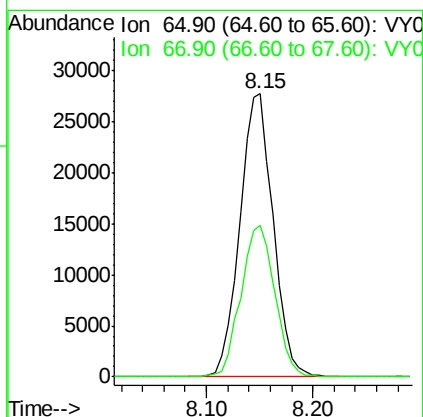
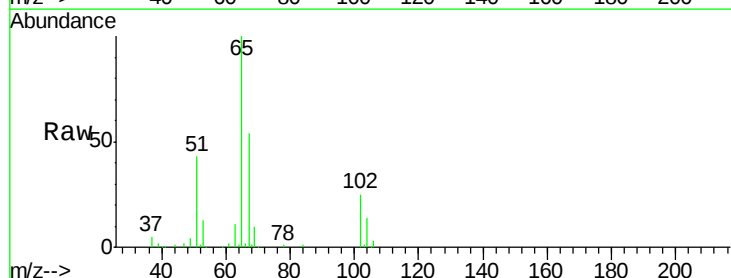
Instrument :
MSVOA_Y
ClientSampleId :
33-19-12-11-01W

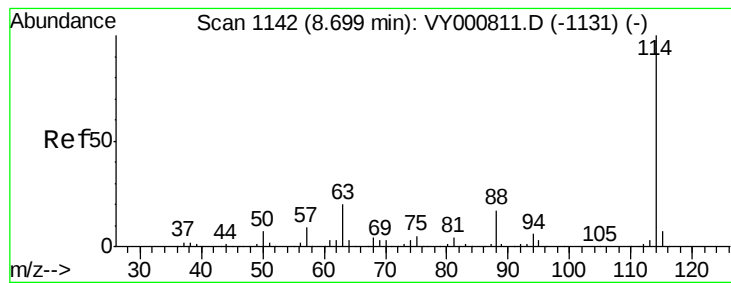
Tgt Ion: 83 Resp: 8152
Ion Ratio Lower Upper
83 100
85 40.5 50.4 75.6#



#33
1,2-Dichloroethane-d4
Concen: 54.812 ug/l
RT: 8.15 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

Tgt Ion: 65 Resp: 60874
Ion Ratio Lower Upper
65 100
67 54.6 0.0 112.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

33-19-12-11-01W

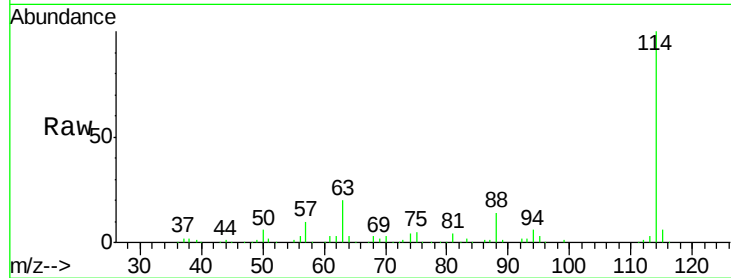
Tgt Ion:114 Resp: 187694

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.8

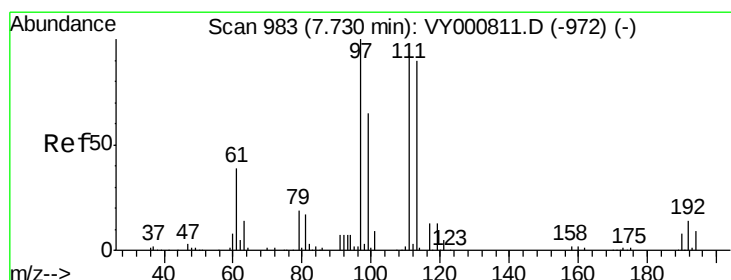
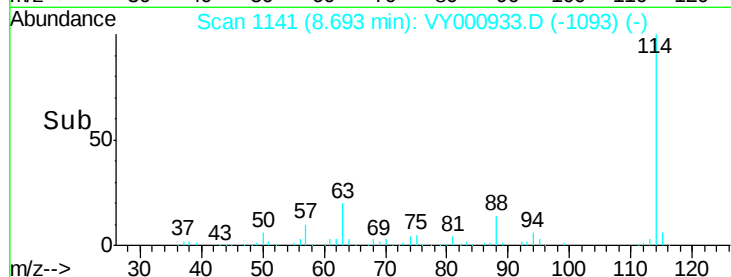
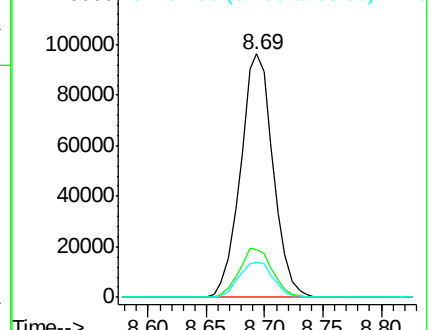
88 14.2 0.0 33.2



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: 45.073 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

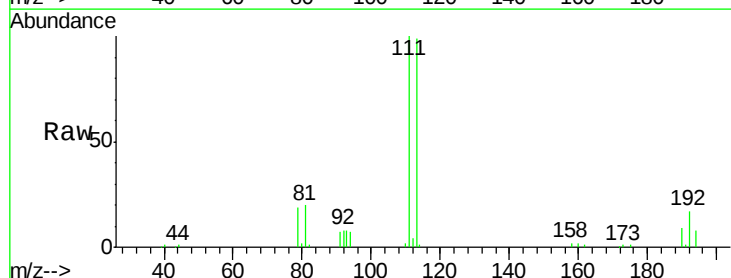
Tgt Ion:113 Resp: 49304

Ion Ratio Lower Upper

113 100

111 103.9 82.4 123.6

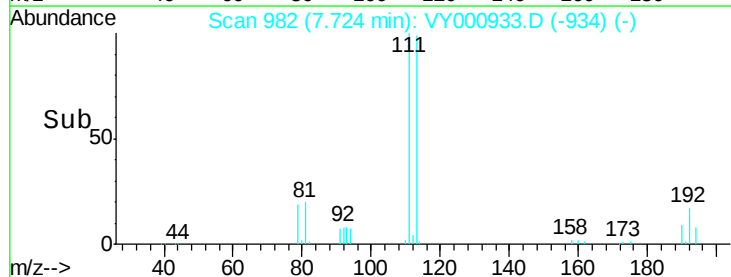
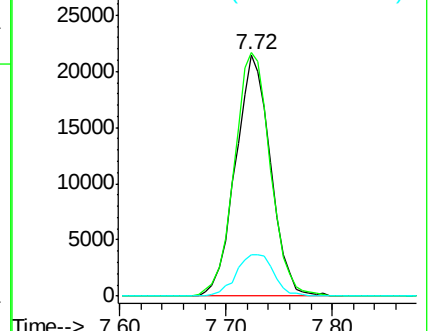
192 18.4 14.2 21.2

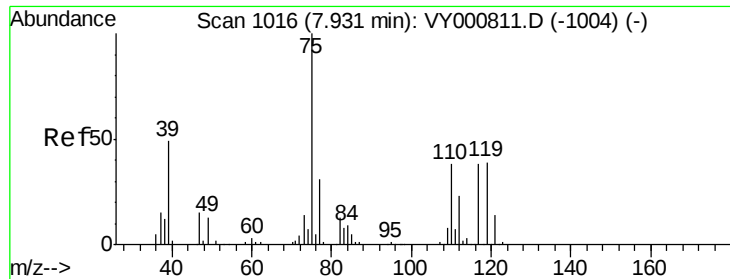


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

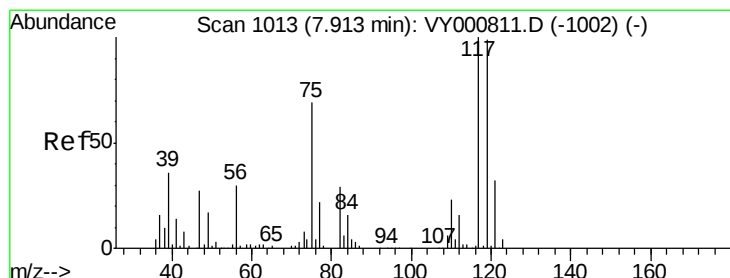
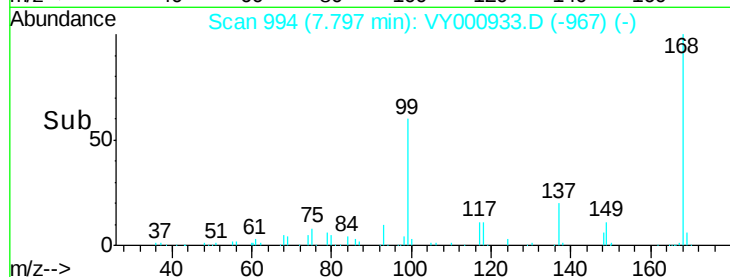
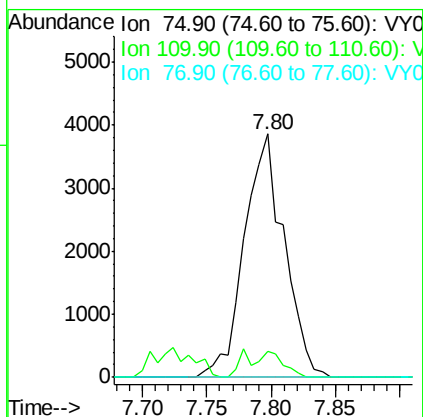
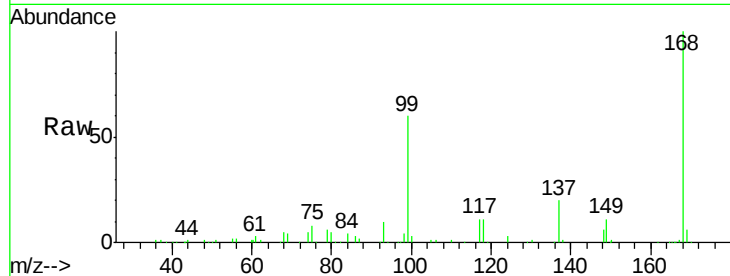




#36
 1,1-Dichloropropene
 Concen: 4.417 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.13 min
 Lab File: VY000933.D
 Acq: 12 Dec 2019 16:12

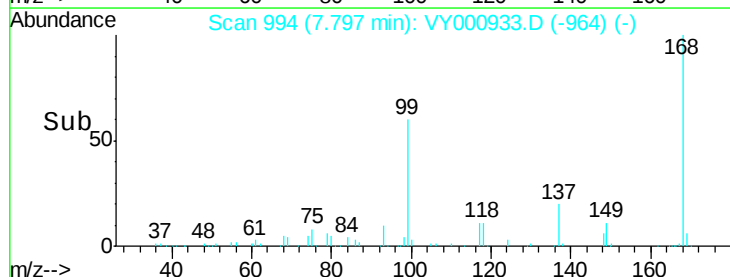
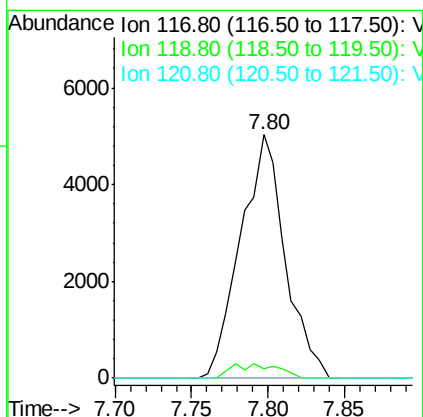
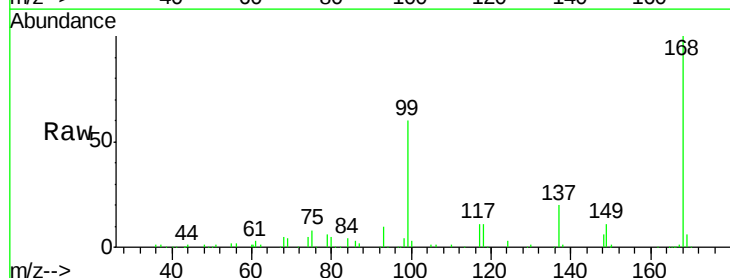
Instrument :
 MSVOA_Y
 ClientSampleId :
 33-19-12-11-01W

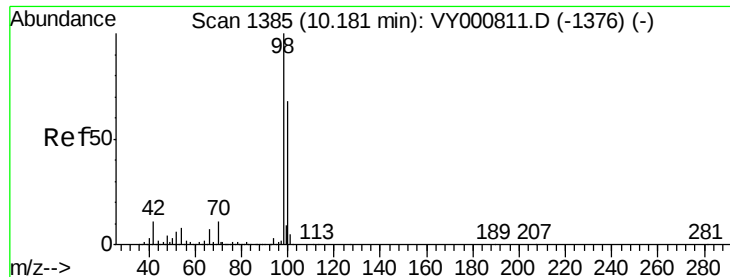
Tgt Ion: 75 Resp: 8243
 Ion Ratio Lower Upper
 75 100
 110 5.2 17.9 53.7#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.124 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000933.D
 Acq: 12 Dec 2019 16:12

Tgt Ion: 117 Resp: 10178
 Ion Ratio Lower Upper
 117 100
 119 3.8 79.3 118.9#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 50.148 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

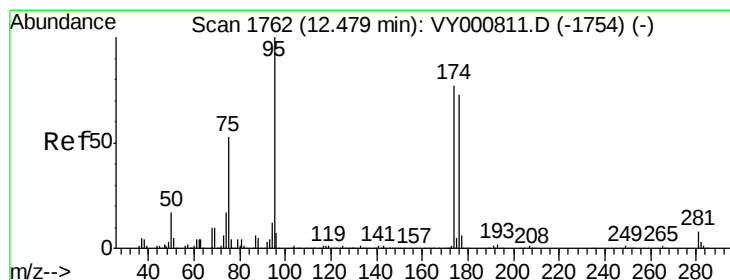
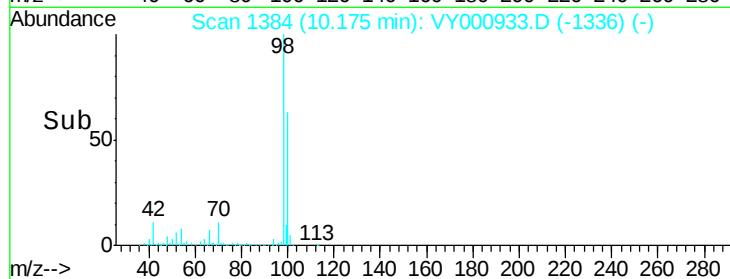
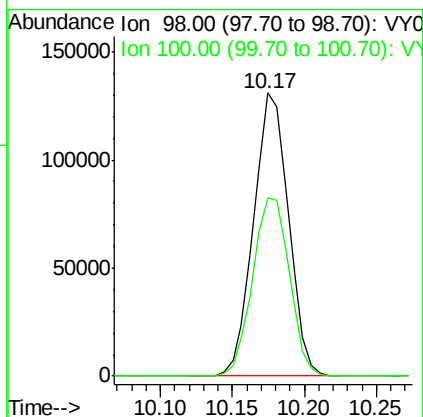
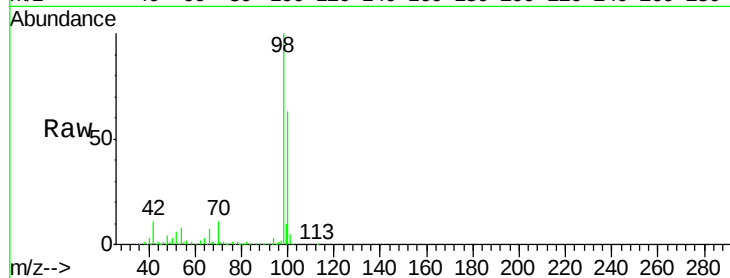
33-19-12-11-01W

Tgt Ion: 98 Resp: 219309

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 40.060 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

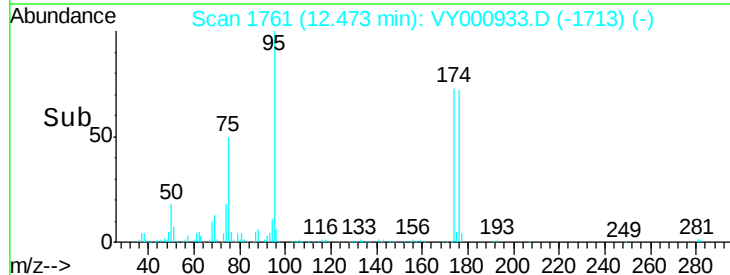
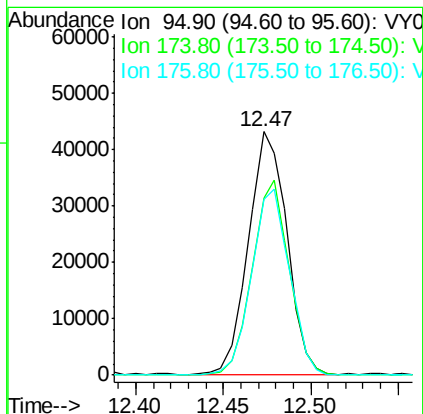
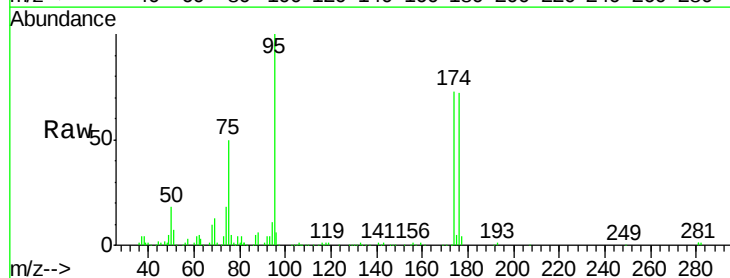
Tgt Ion: 95 Resp: 65794

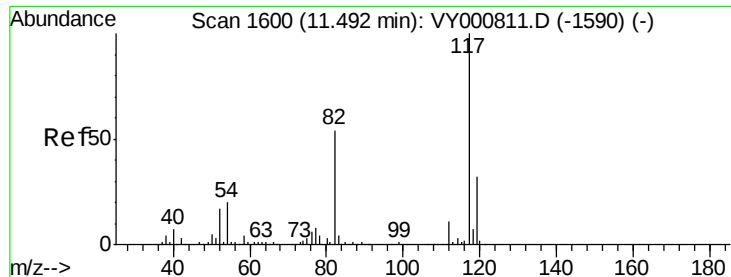
Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.6

176 75.6 0.0 145.2

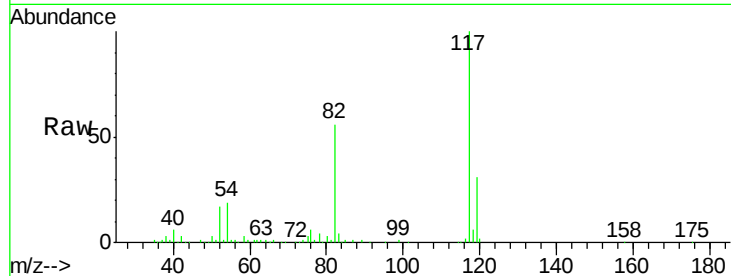




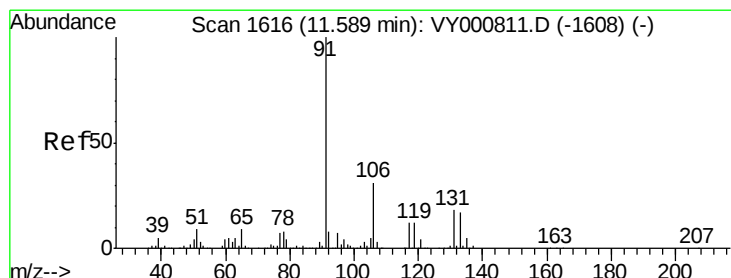
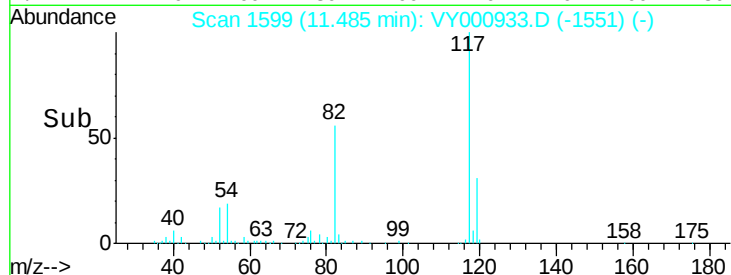
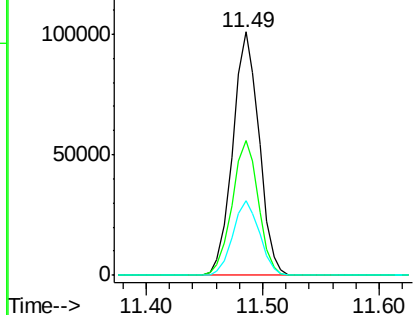
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

Instrument :
MSVOA_Y
ClientSampleId :
33-19-12-11-01W

Tgt Ion: 117 Resp: 159056
Ion Ratio Lower Upper
117 100
82 55.6 43.1 64.7
119 30.9 25.3 37.9

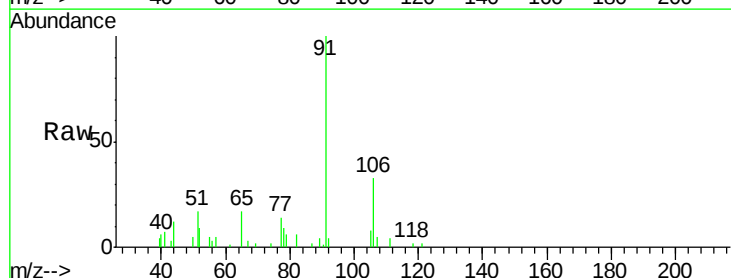


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

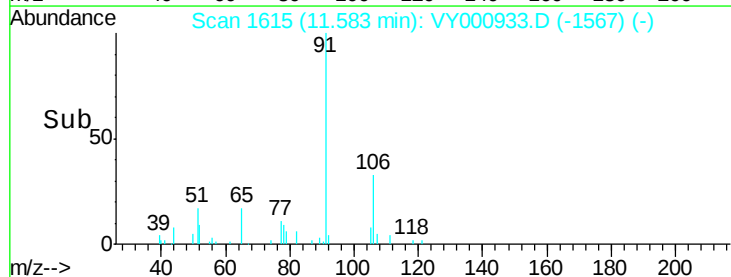
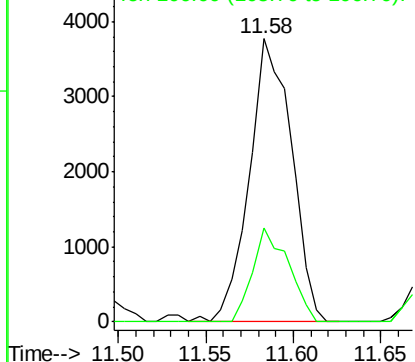


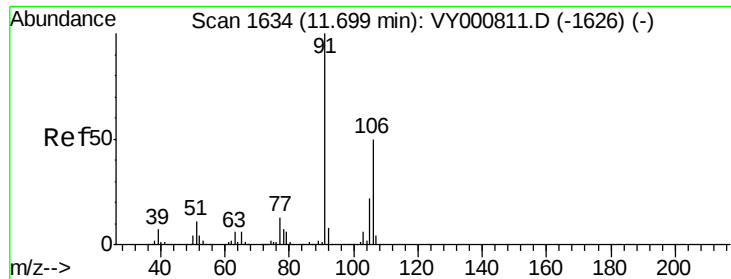
#67
Ethyl Benzene
Concen: 1.028 ug/l
RT: 11.58 min Scan# 1615
Delta R.T. -0.01 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

Tgt Ion: 91 Resp: 6327
Ion Ratio Lower Upper
91 100
106 33.3 24.4 36.6



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

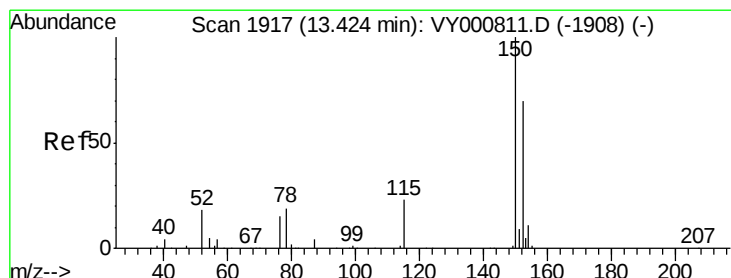
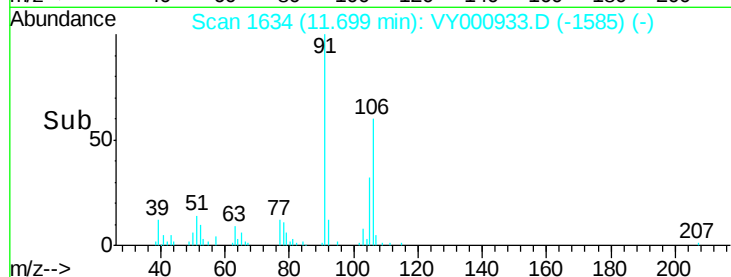
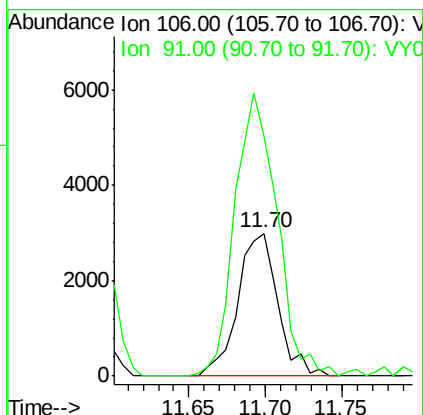
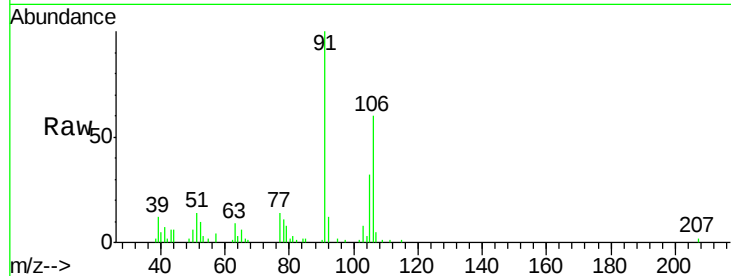




#68
m/p-Xylenes
Concen: 2.360 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

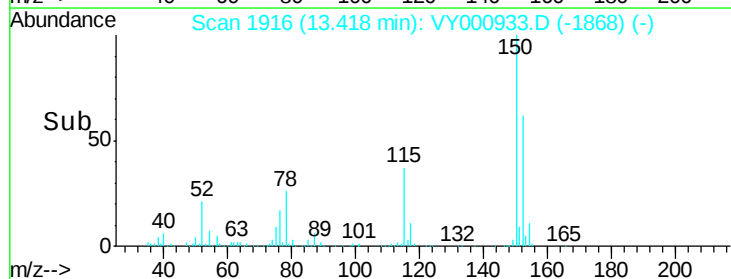
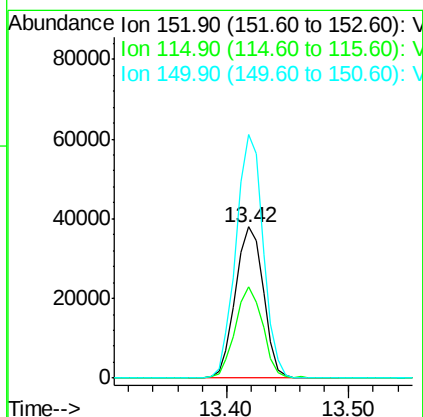
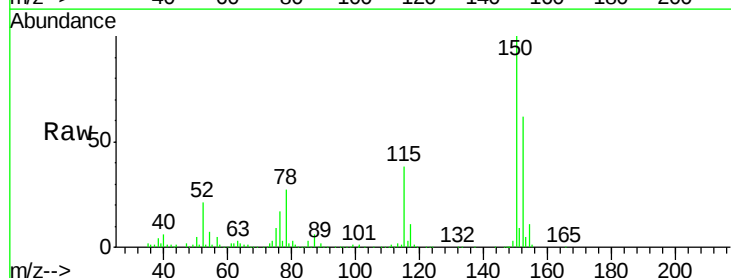
Instrument :
MSVOA_Y
ClientSampleId :
33-19-12-11-01W

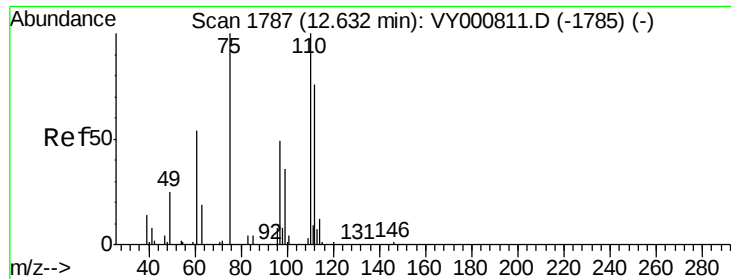
Tgt Ion:106 Resp: 5455
Ion Ratio Lower Upper
106 100
91 207.6 159.6 239.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000933.D
Acq: 12 Dec 2019 16:12

Tgt Ion:152 Resp: 60376
Ion Ratio Lower Upper
152 100
115 59.6 29.3 87.8
150 155.6 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 47.468 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.16 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

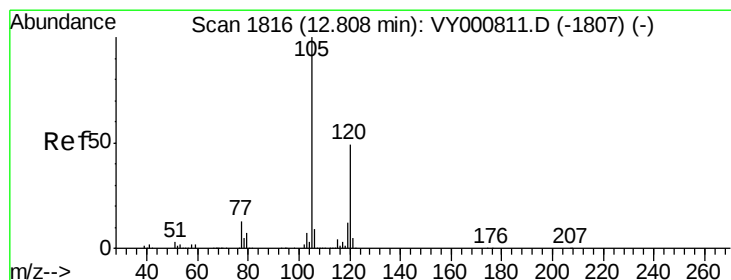
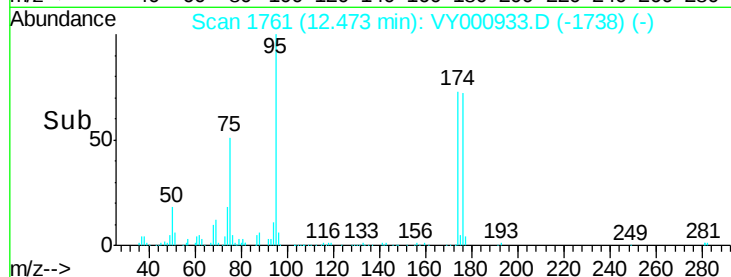
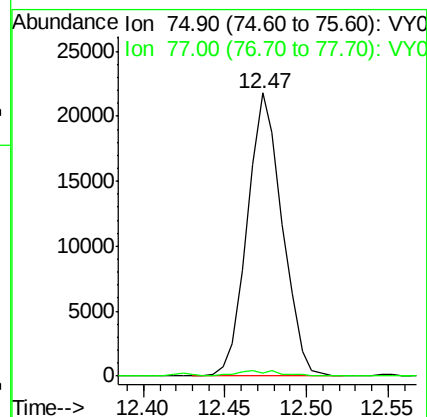
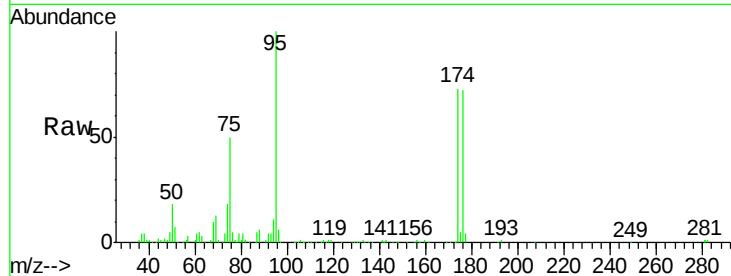
33-19-12-11-01W

Tgt Ion: 75 Resp: 32471

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.675 ug/l

RT: 12.80 min Scan# 1815

Delta R.T. -0.01 min

Lab File: VY000933.D

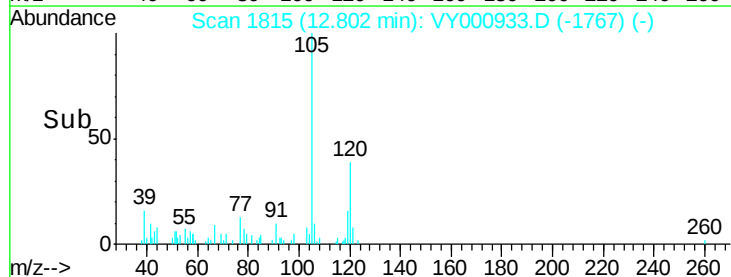
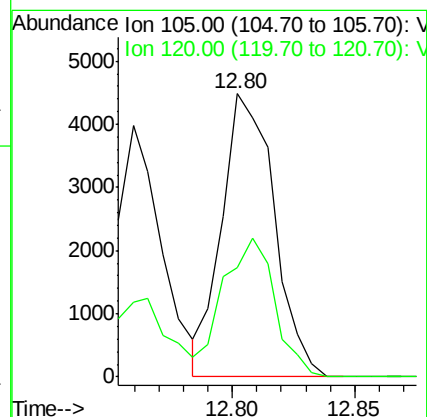
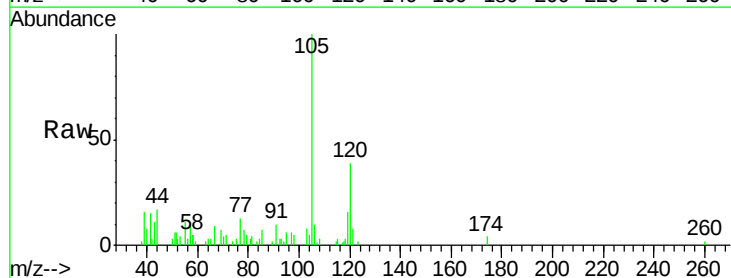
Acq: 12 Dec 2019 16:12

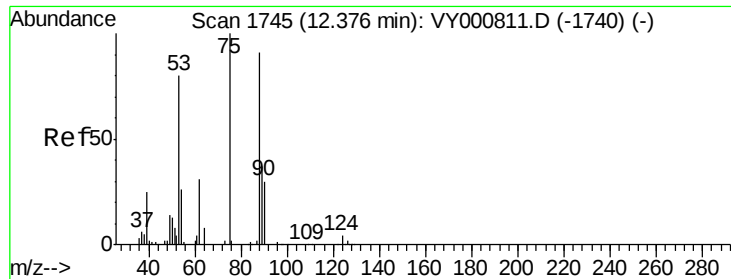
Tgt Ion: 105 Resp: 6666

Ion Ratio Lower Upper

105 100

120 48.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 93.242 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

33-19-12-11-01W

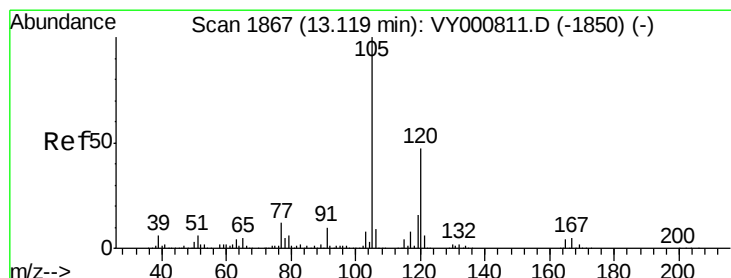
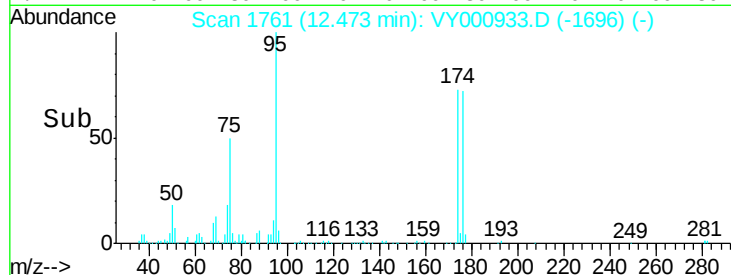
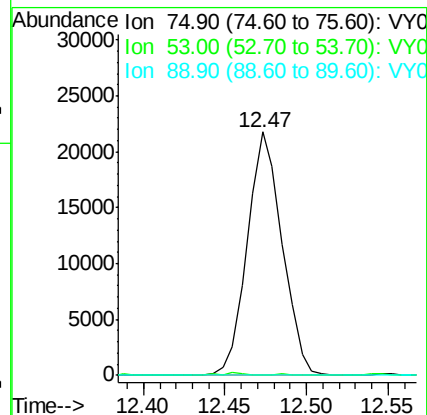
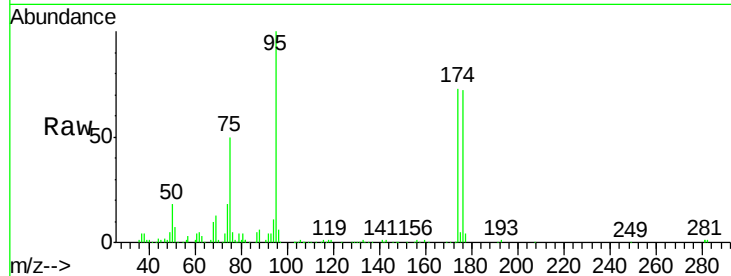
Tgt Ion: 75 Resp: 32471

Ion Ratio Lower Upper

75 100

53 0.2 64.6 96.8#

89 0.0 33.6 50.4#



#84

1,2,4-Trimethylbenzene

Concen: 5.565 ug/l

RT: 13.11 min Scan# 1866

Delta R.T. -0.01 min

Lab File: VY000933.D

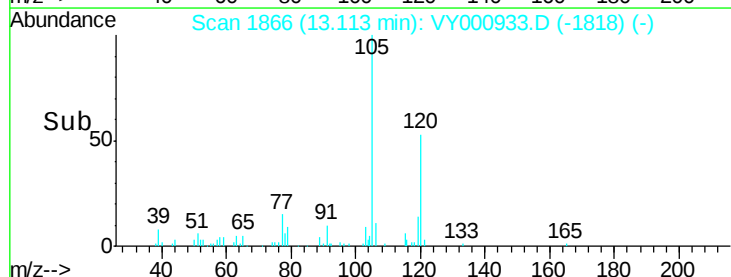
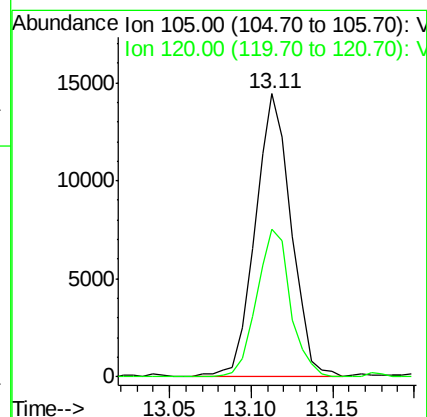
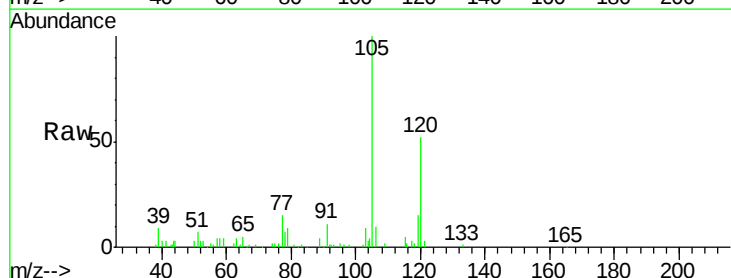
Acq: 12 Dec 2019 16:12

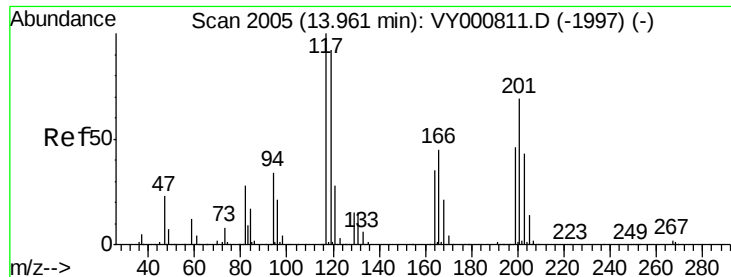
Tgt Ion: 105 Resp: 22161

Ion Ratio Lower Upper

105 100

120 48.8 22.6 67.8





#90

Hexachloroethane

Concen: 1.009 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.00 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

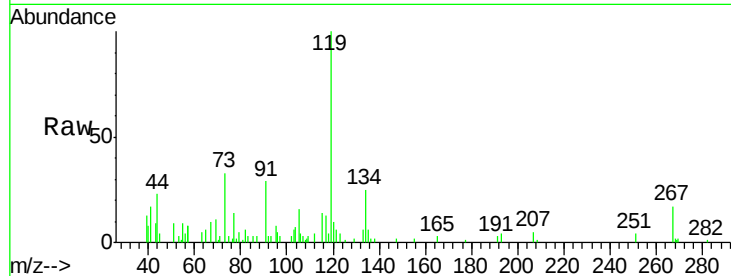
33-19-12-11-01W

Tgt Ion: 117 Resp: 787

Ion Ratio Lower Upper

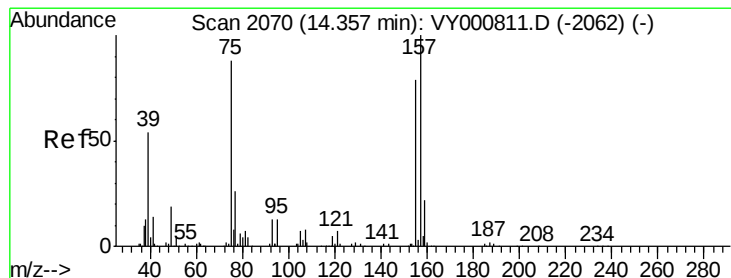
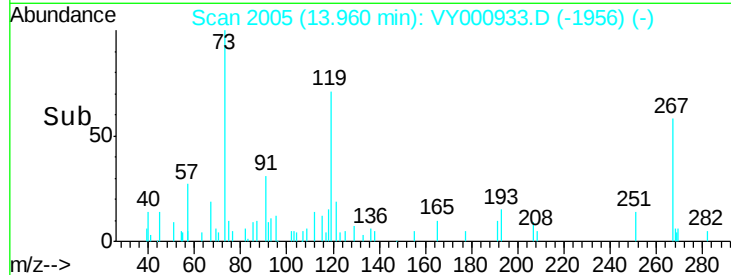
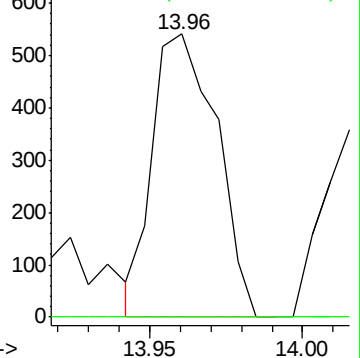
117 100

201 0.0 34.0 102.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.047 ug/l

RT: 14.55 min Scan# 2102

Delta R.T. 0.19 min

Lab File: VY000933.D

Acq: 12 Dec 2019 16:12

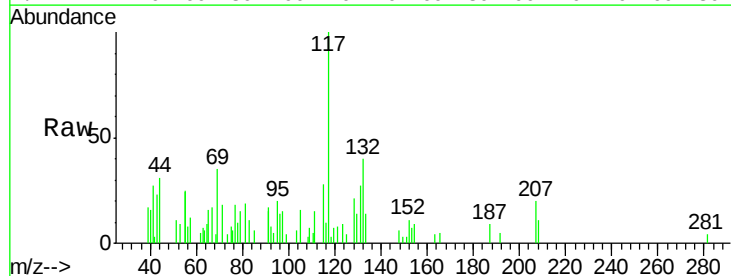
Tgt Ion: 75 Resp: 166

Ion Ratio Lower Upper

75 100

155 15.1 44.3 132.9#

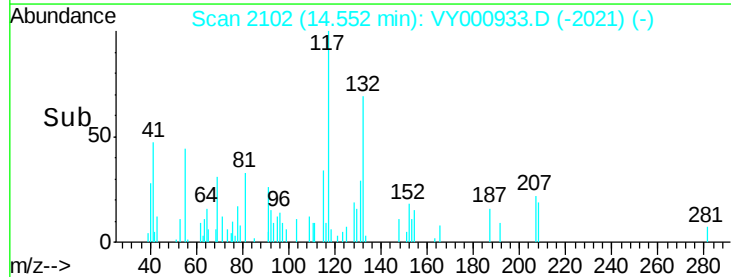
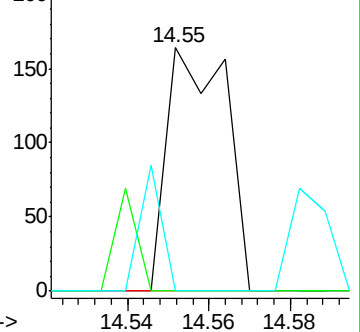
157 18.7 56.3 168.9#

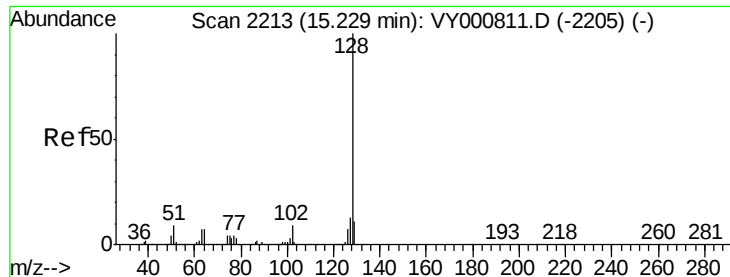


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 5.822 ug/l

RT: 15.23 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VY000933.D

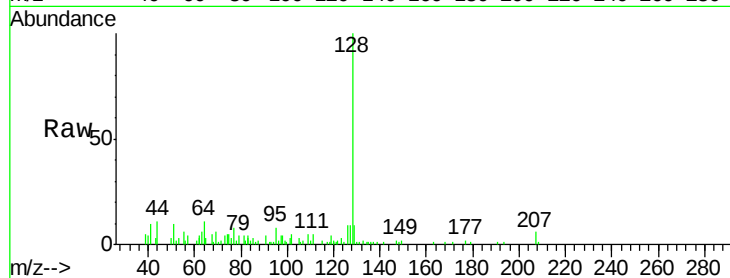
Acq: 12 Dec 2019 16:12

Instrument :

MSVOA_Y

ClientSampleId :

33-19-12-11-01W



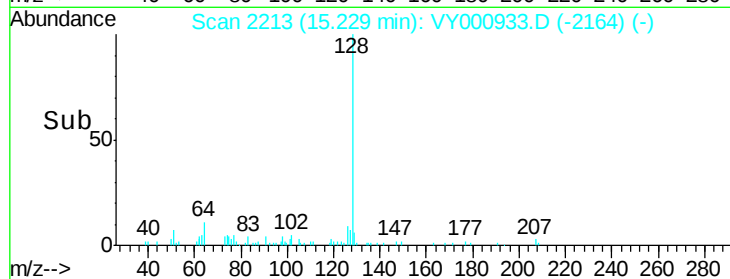
Tgt Ion:128 Resp: 16820

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 13.2 8.8 13.2



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

