

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY013120\
 Data File : VY001454.D
 Acq On : 31 Jan 2020 14:46
 Operator : SY/MD
 Sample : L1331-02
 Misc : 7.66G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-2_013020

Quant Time: Jan 31 15:20:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	154793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	292179	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	268323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	127177	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	96177	57.10	ug/l	0.00
Spiked Amount			Recovery	=	114.20%	
35) Dibromofluoromethane	7.75	113	85608	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
50) Toluene-d8	10.20	98	345853	51.91	ug/l	0.01
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	12.49	95	129141	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	

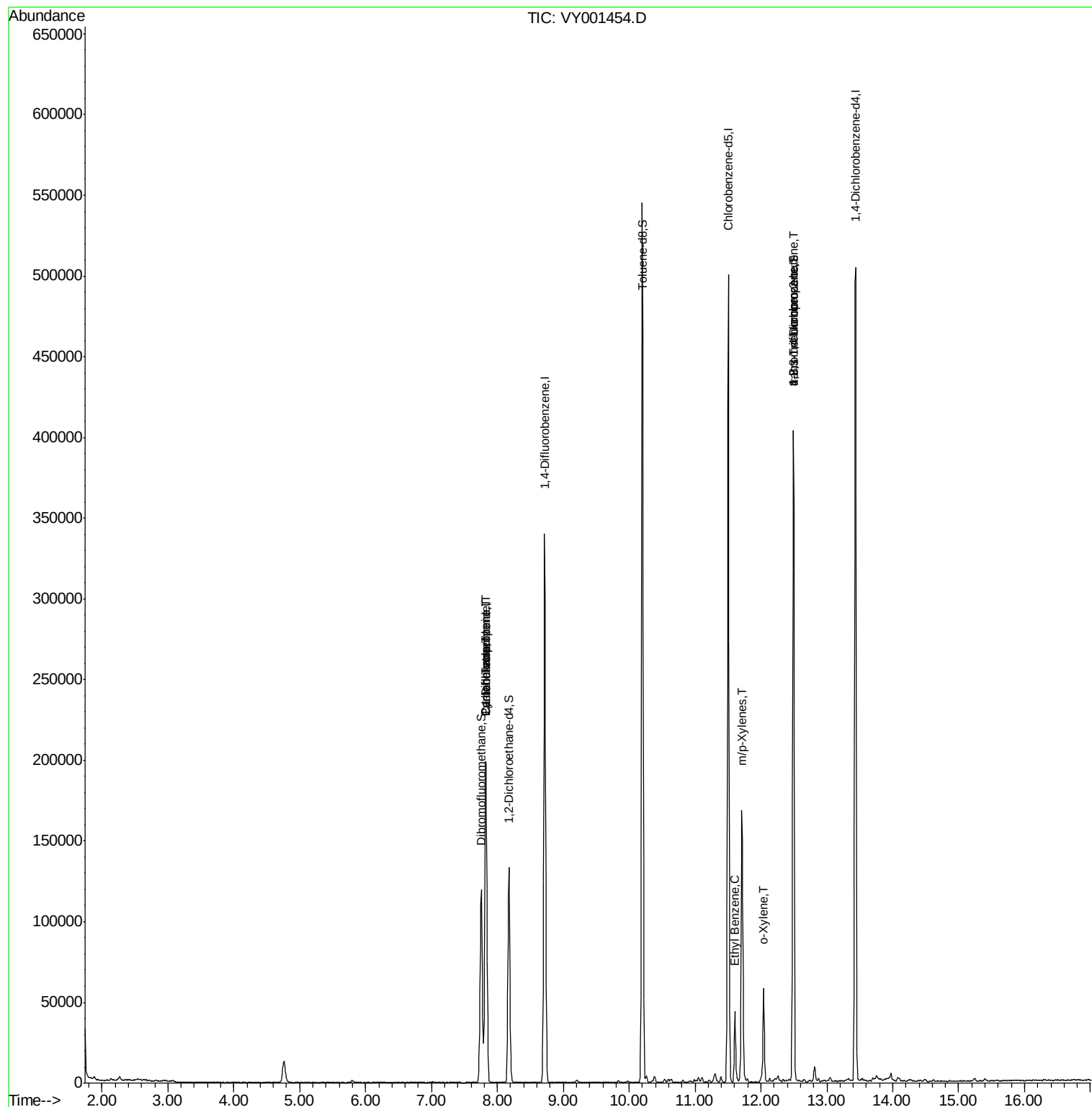
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.00	59	44	Below Cal	#	74
16) Acetone	4.00	43	763	Below Cal		96
31) Cyclohexane	7.82	56	3442	1.06	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12078	4.38	ug/l #	50
38) Carbon Tetrachloride	7.82	117	15306	6.22	ug/l #	18
67) Ethyl Benzene	11.61	91	30285	2.91	ug/l	95
68) m/p-Xylenes	11.71	106	49600	12.74	ug/l	96
69) o-Xylene	12.04	106	14429	3.85	ug/l	97
76) 1,2,3-Trichloropropane	12.49	75	63912	41.70	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	63912	78.92	ug/l #	14

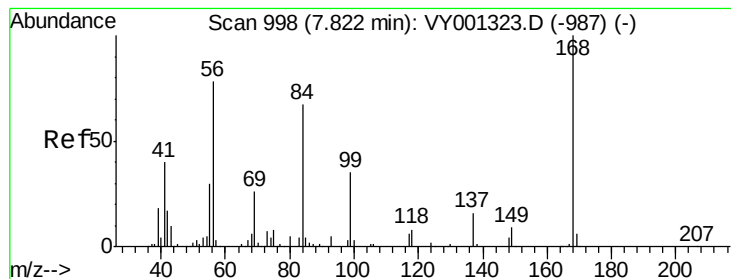
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY013120\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.83 min Scan# 999

Delta R.T. 0.01 min

Lab File: VY001454.D

Acq: 31 Jan 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

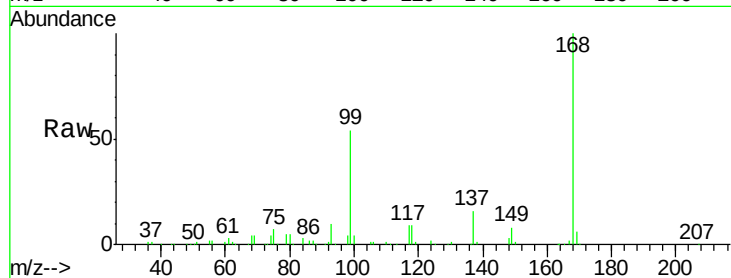
C-2_013020

Tgt Ion:168 Resp: 154793

Ion Ratio Lower Upper

168 100

99 53.8 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.83

80000

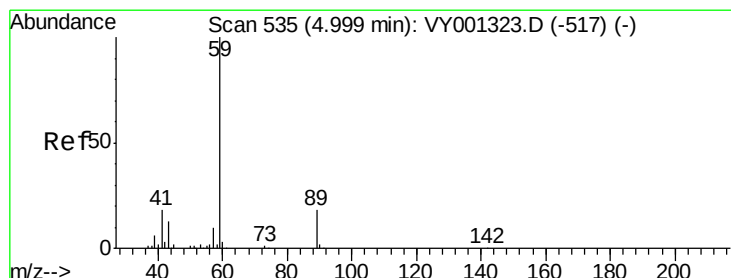
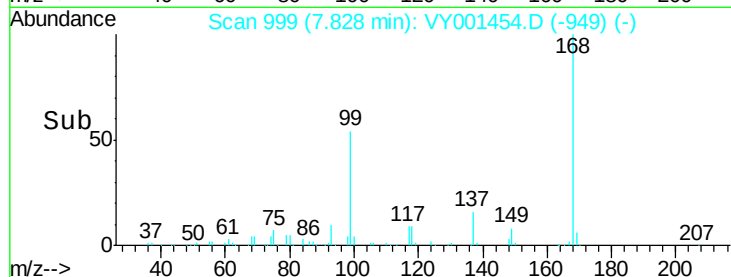
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.00 min Scan# 536

Delta R.T. 0.01 min

Lab File: VY001454.D

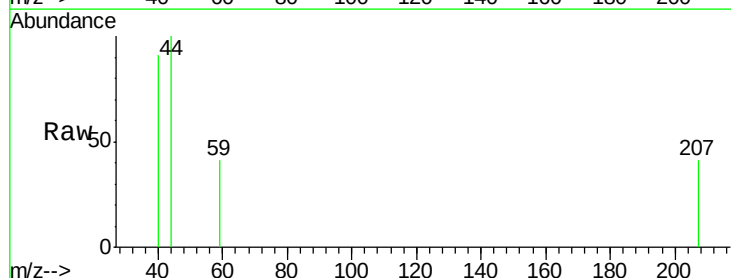
Acq: 31 Jan 2020 14:46

Tgt Ion: 59 Resp: 44

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001323.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VY001323.D (-517) (-)

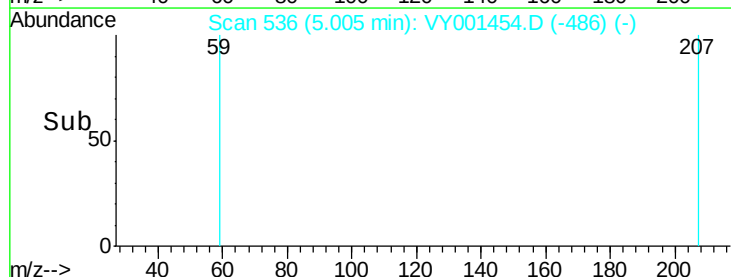
5.00

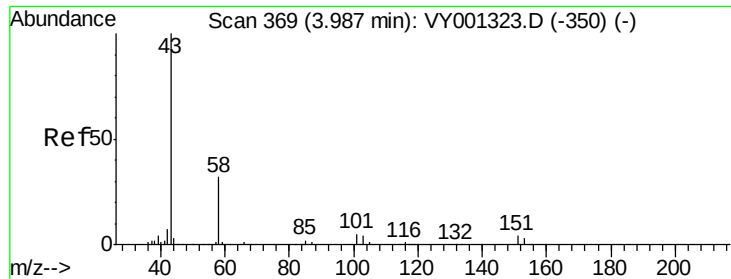
100

50

0

Time-->

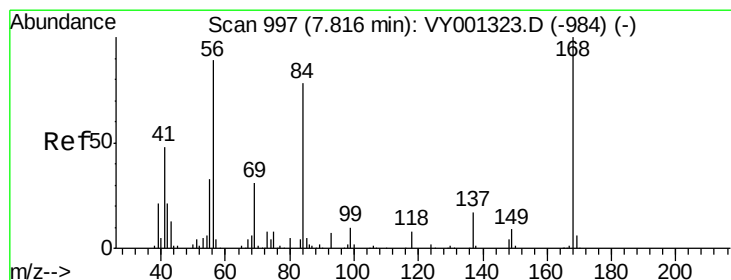
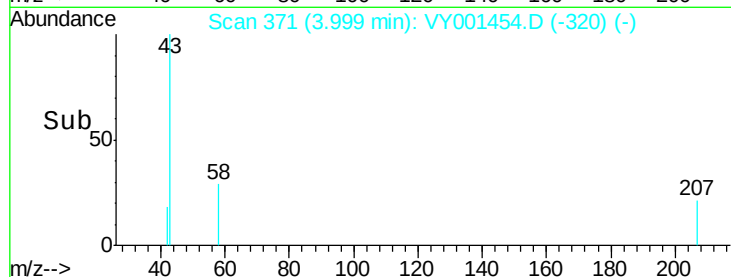
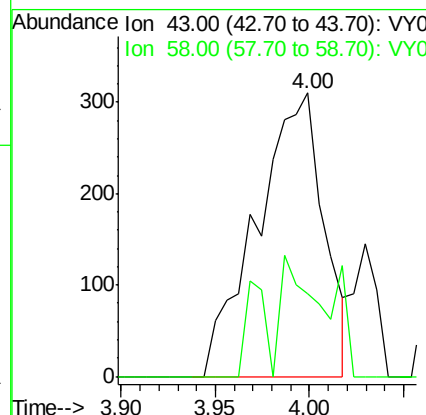
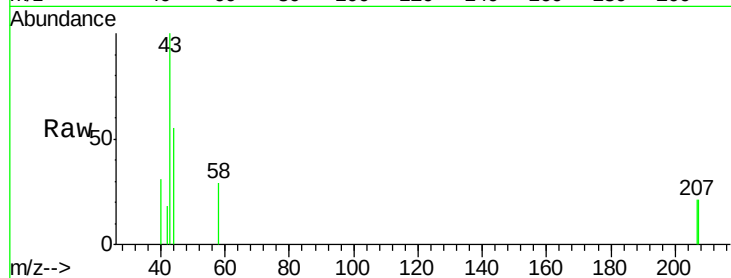




#16
Acetone
Concen: Below Cal
RT: 4.00 min Scan# 371
Delta R.T. 0.01 min
Lab File: VY001454.D
Acq: 31 Jan 2020 14:46

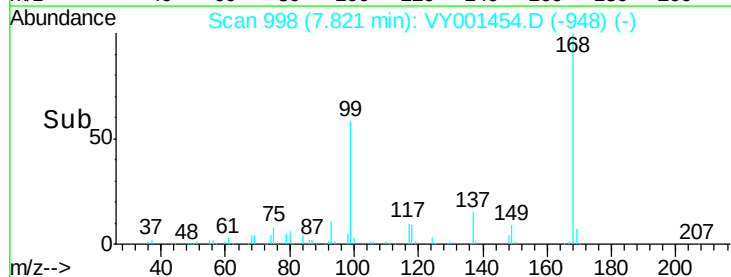
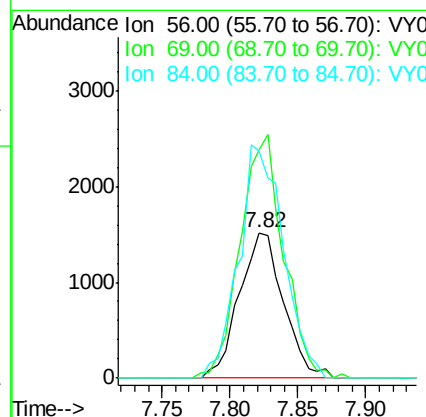
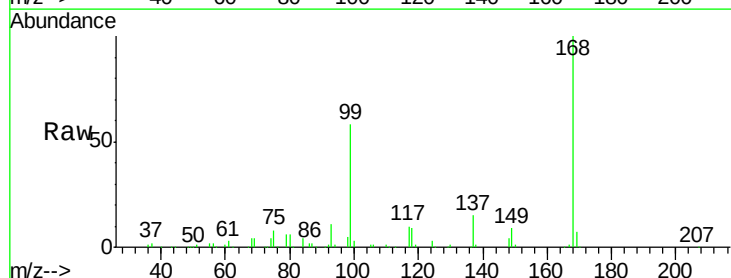
Instrument :
MSVOA_Y
ClientSampled :
C-2_013020

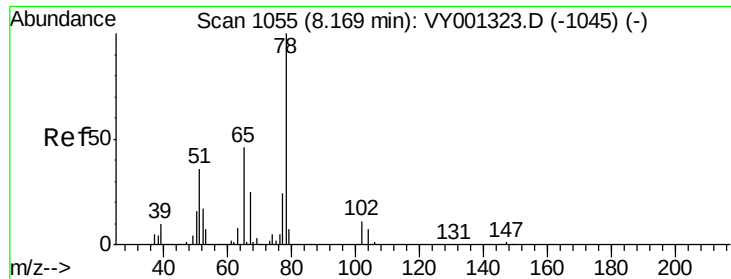
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 29.4 25.4 38.0



#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.82 min Scan# 998
Delta R.T. 0.01 min
Lab File: VY001454.D
Acq: 31 Jan 2020 14:46

Tgt Ion: 56 Resp: 3442
Ion Ratio Lower Upper
56 100
69 157.5 27.6 41.4#
84 156.6 69.7 104.5#

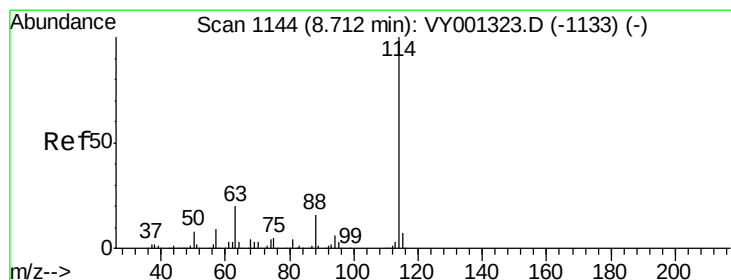
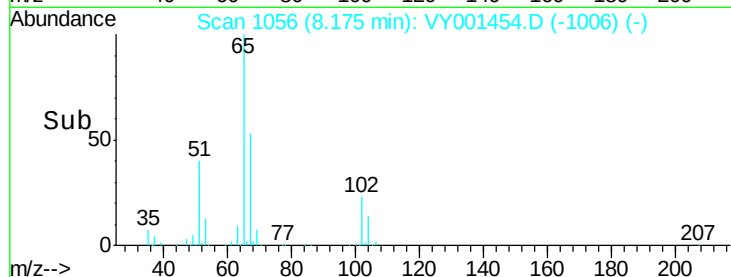
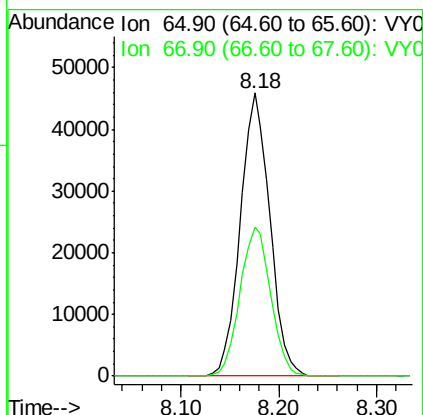
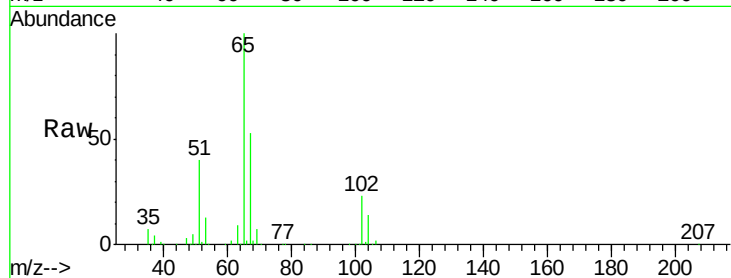




#33
 1,2-Dichloroethane-d4
 Concen: 57.10 ug/l
 RT: 8.18 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001454.D
 Acq: 31 Jan 2020 14:46

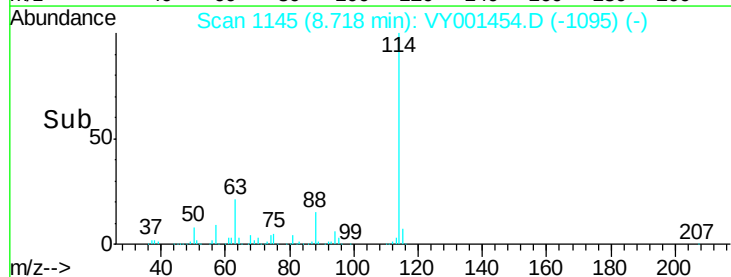
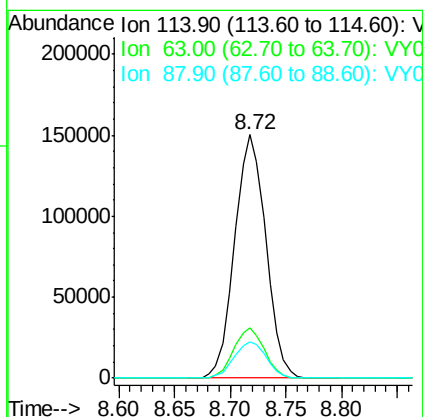
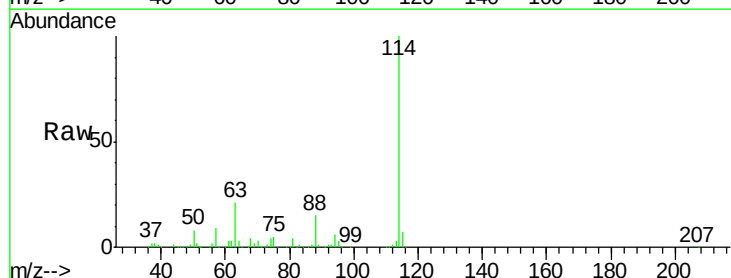
Instrument :
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 ClientSampleId :
 C-2_013020

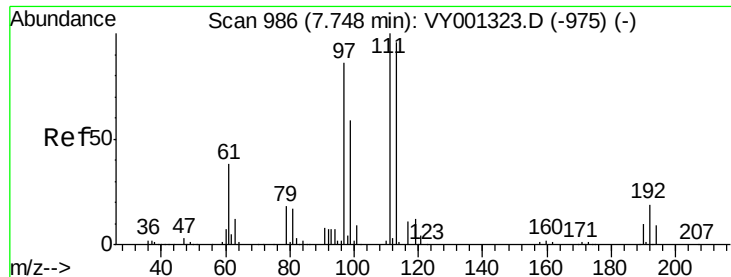
Tgt Ion: 65 Resp: 96177
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001454.D
 Acq: 31 Jan 2020 14:46

Tgt Ion: 114 Resp: 292179
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 14.8 0.0 31.0

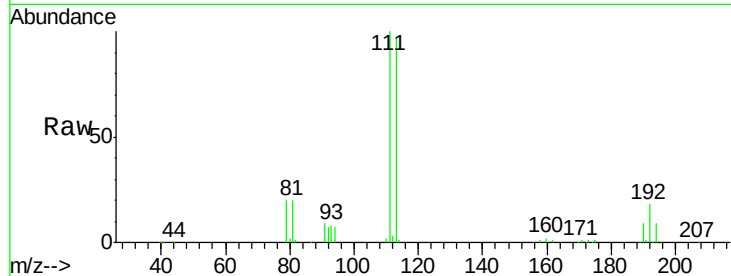




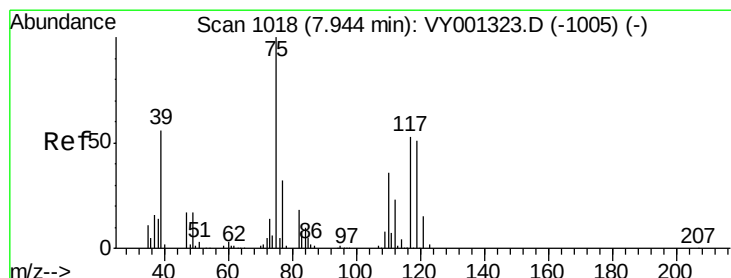
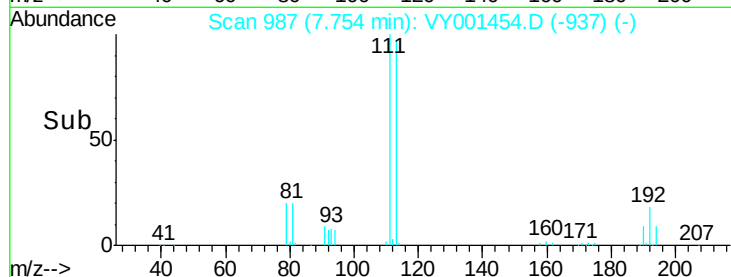
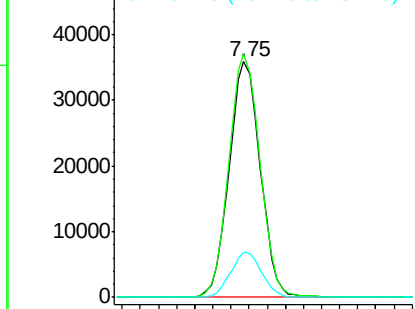
#35
 Dibromofluoromethane
 Concen: 49.92 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001454.D
 Acq: 31 Jan 2020 14:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-2_013020

Tgt Ion: 113 Resp: 85608
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 19.1 15.5 23.3

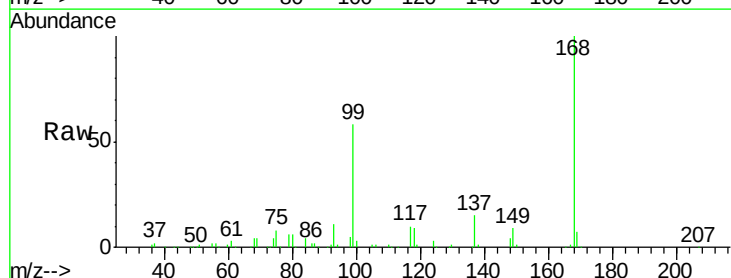


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

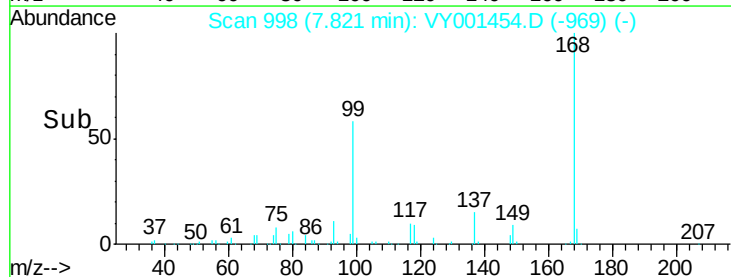
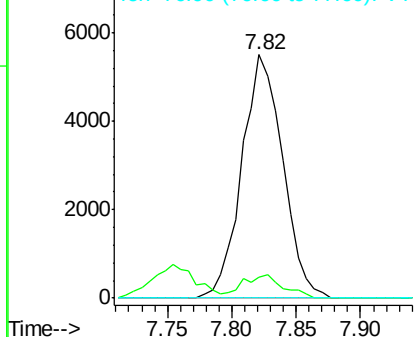


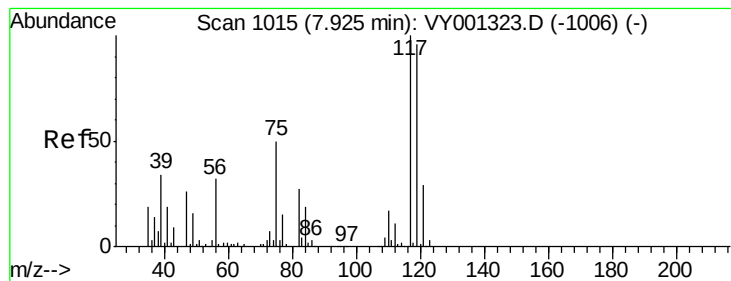
#36
 1,1-Dichloropropene
 Concen: 4.38 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY001454.D
 Acq: 31 Jan 2020 14:46

Tgt Ion: 75 Resp: 12078
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.6 52.8#
 77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.22 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.10 min

Lab File: VY001454.D

Acq: 31 Jan 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

C-2_013020

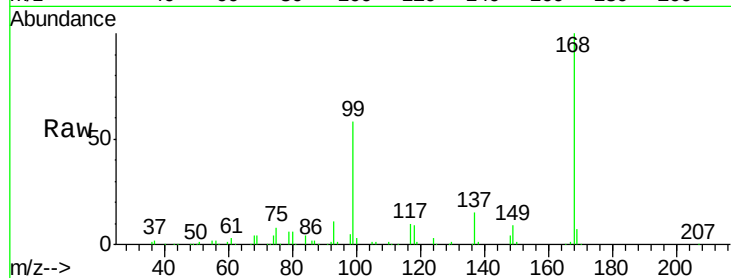
Tgt Ion:117 Resp: 15306

Ion Ratio Lower Upper

117 100

119 6.8 76.3 114.5#

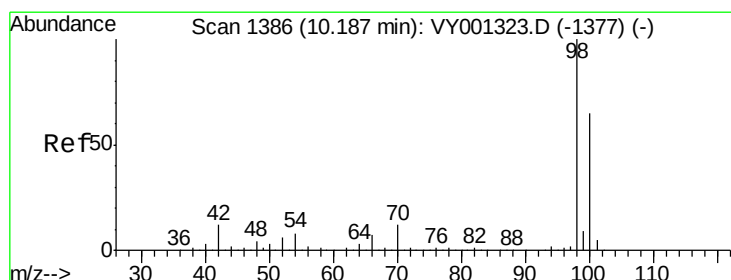
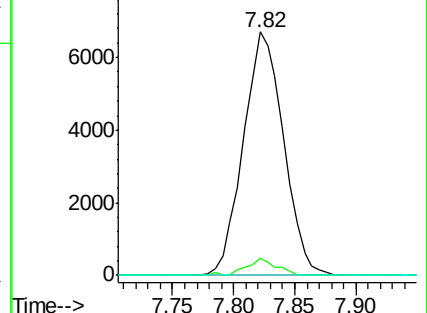
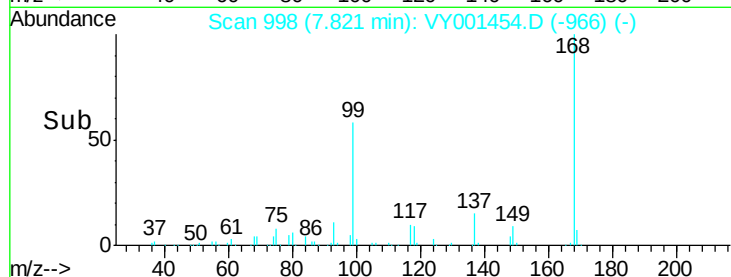
121 0.0 23.5 35.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.91 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001454.D

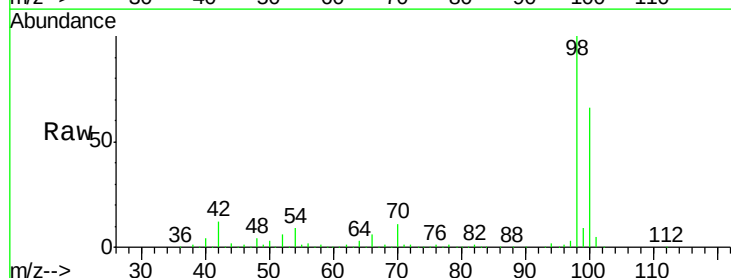
Acq: 31 Jan 2020 14:46

Tgt Ion: 98 Resp: 345853

Ion Ratio Lower Upper

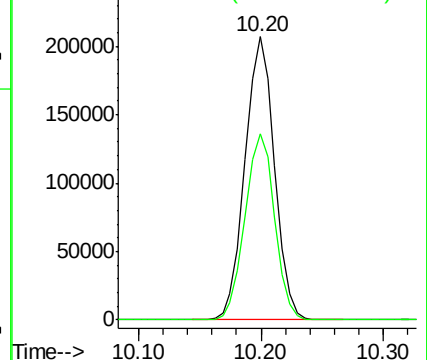
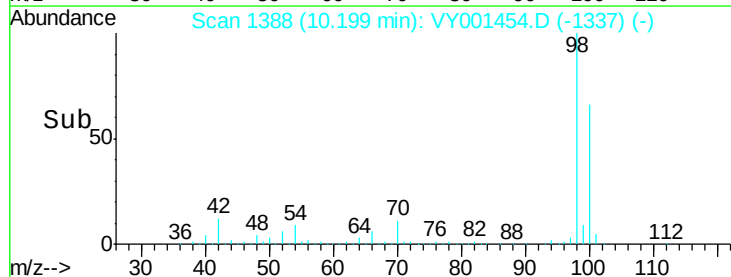
98 100

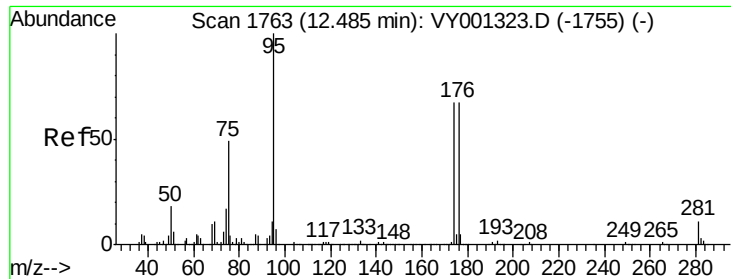
100 66.0 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

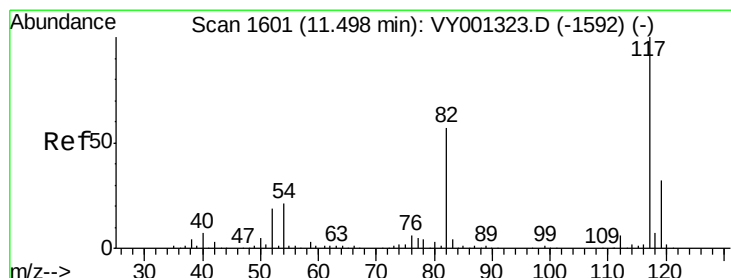
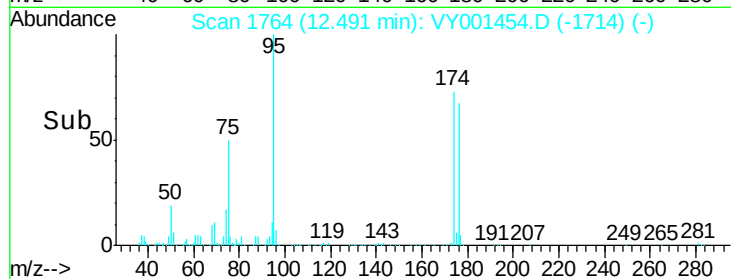
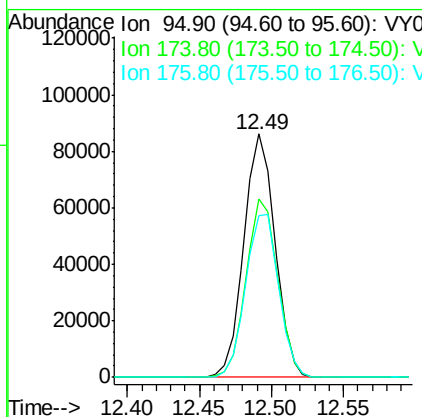
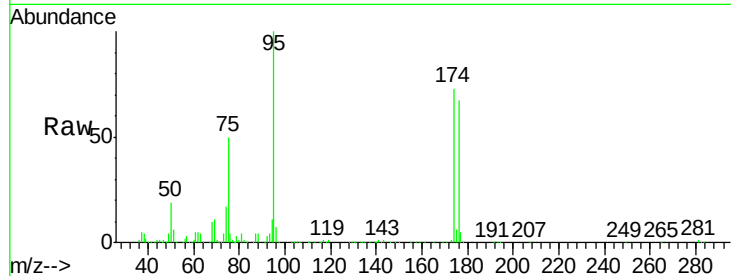




#62
4-Bromofluorobenzene
Concen: 48.67 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001454.D
Acq: 31 Jan 2020 14:46

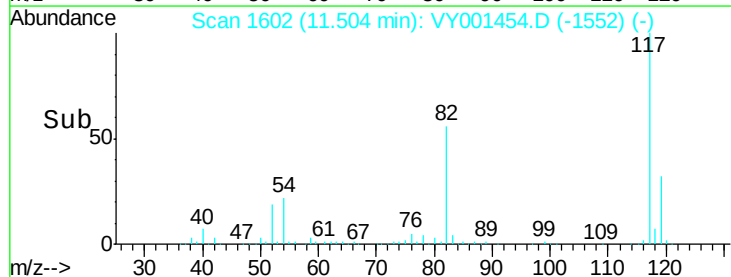
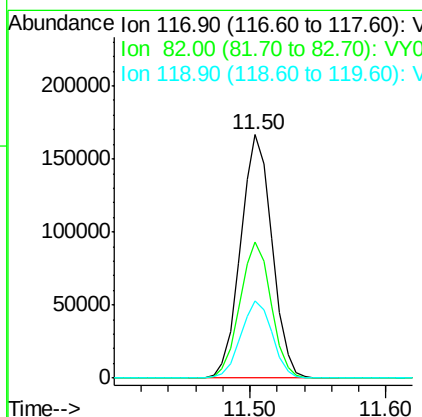
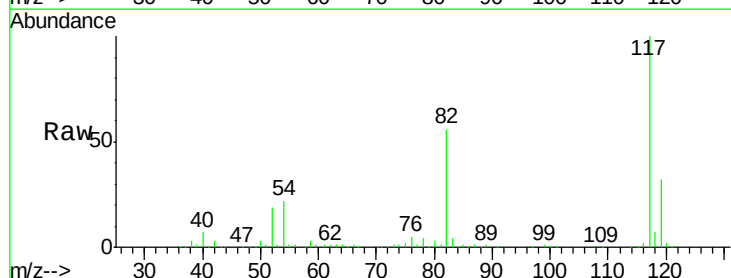
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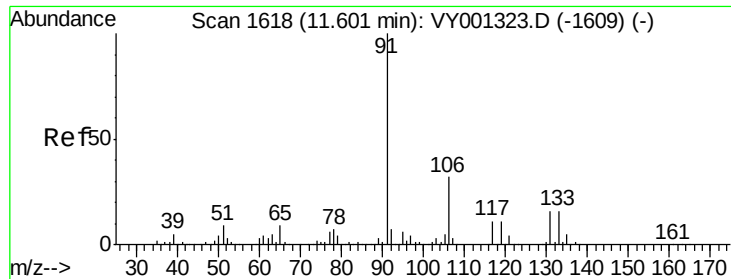
Tgt Ion: 95 Resp: 129141
Ion Ratio Lower Upper
95 100
174 74.3 0.0 142.0
176 70.5 0.0 138.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001454.D
Acq: 31 Jan 2020 14:46

Tgt Ion: 117 Resp: 268323
Ion Ratio Lower Upper
117 100
82 55.9 45.5 68.3
119 31.8 25.8 38.6

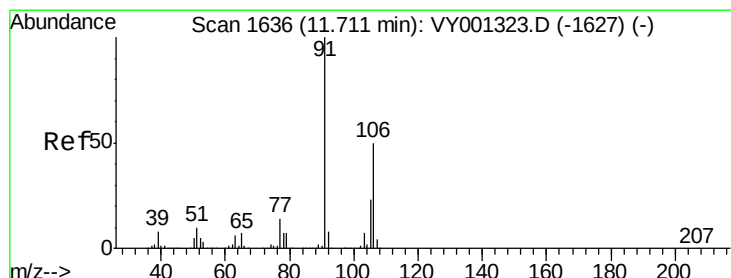
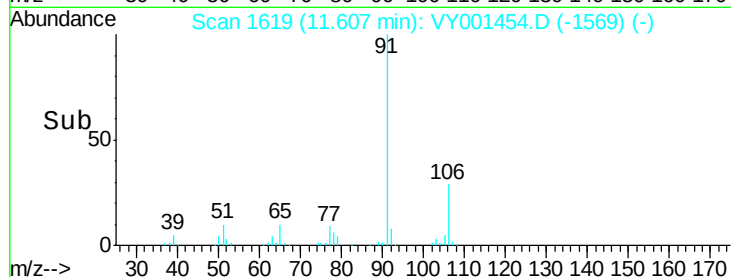
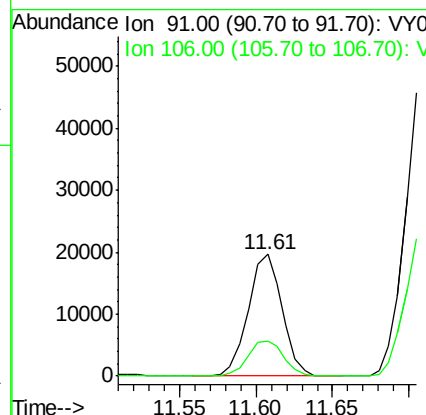
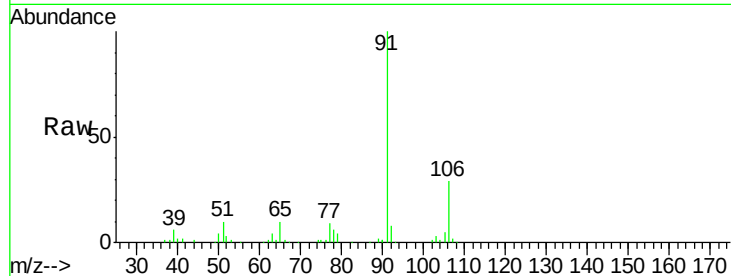




#67
Ethyl Benzene
Concen: 2.91 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001454.D
Acq: 31 Jan 2020 14:46

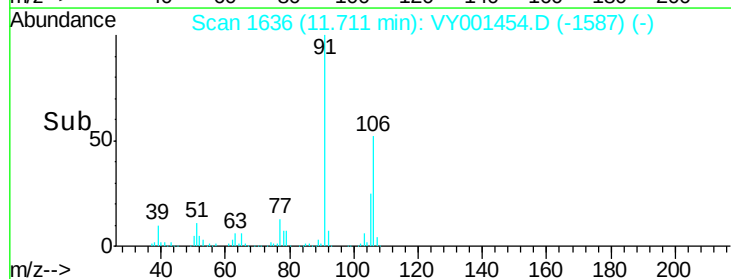
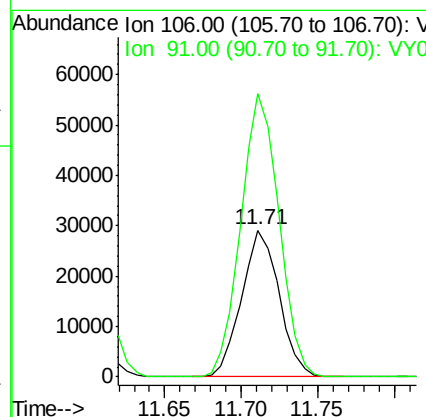
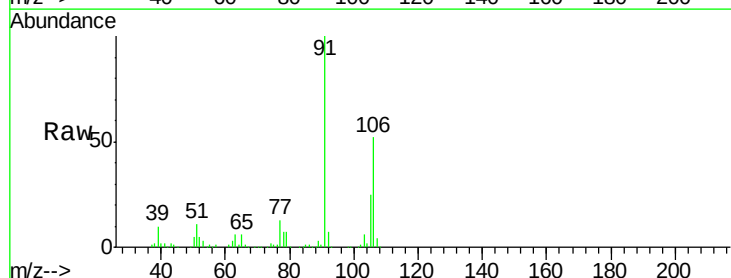
Instrument :
MSVOA_Y
ClientSampled :
C-2_013020

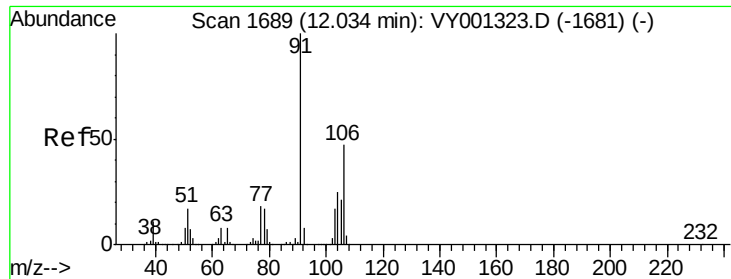
Tgt Ion: 91 Resp: 30285
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.0



#68
m/p-Xylenes
Concen: 12.74 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. -0.00 min
Lab File: VY001454.D
Acq: 31 Jan 2020 14:46

Tgt Ion: 106 Resp: 49600
Ion Ratio Lower Upper
106 100
91 196.7 162.8 244.2

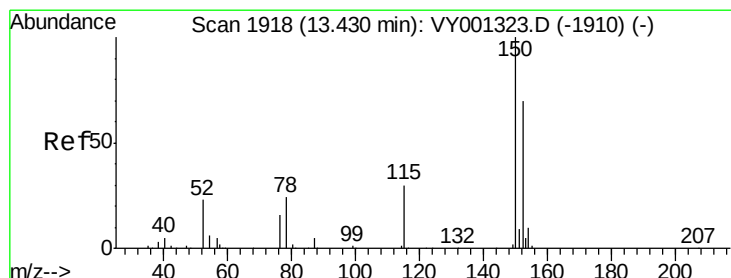
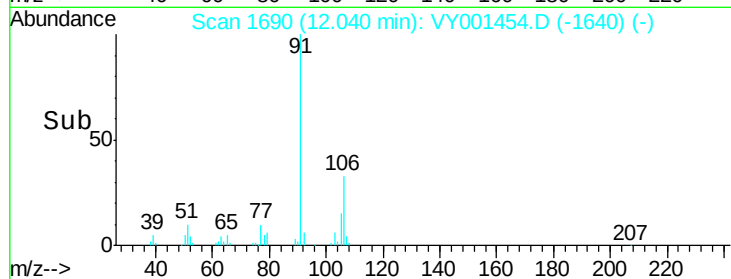
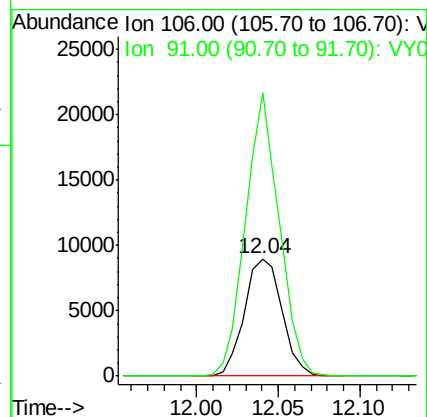
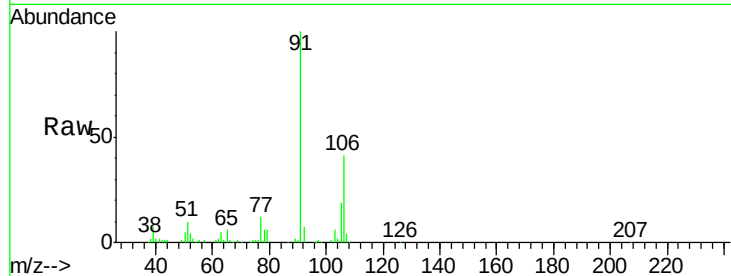




#69
o-Xylene
Concen: 3.85 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001454.D
Acq: 31 Jan 2020 14:46

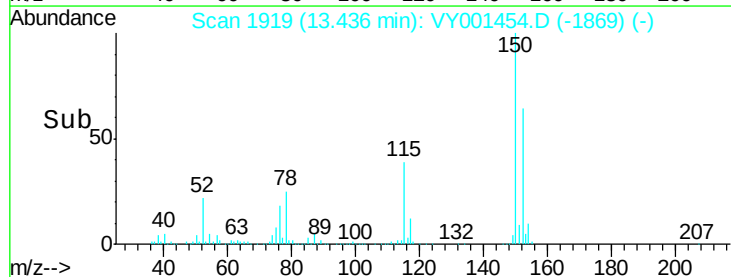
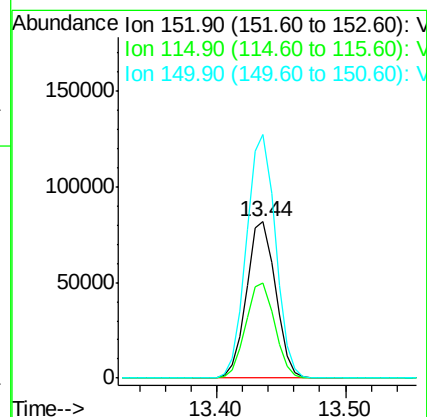
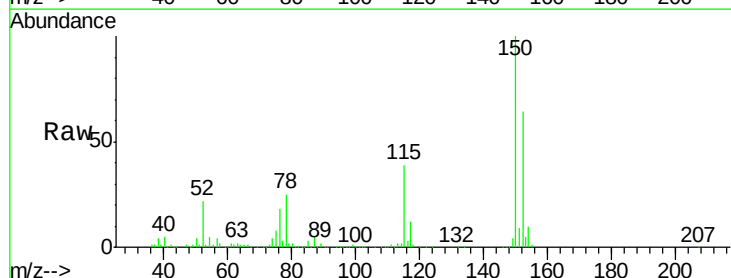
Instrument :
MSVOA_Y
ClientSampleId :
C-2_013020

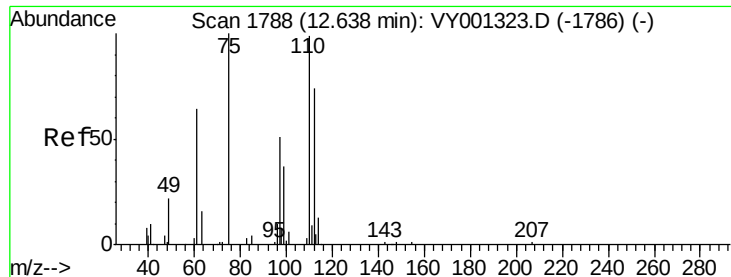
Tgt Ion:106 Resp: 14429
Ion Ratio Lower Upper
106 100
91 217.4 106.3 319.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001454.D
Acq: 31 Jan 2020 14:46

Tgt Ion:152 Resp: 127177
Ion Ratio Lower Upper
152 100
115 60.7 30.9 92.8
150 155.2 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 41.70 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001454.D

Acq: 31 Jan 2020 14:46

Instrument :

MSVOA_Y

ClientSampleId :

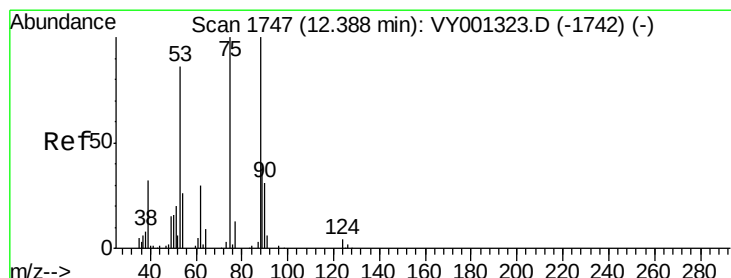
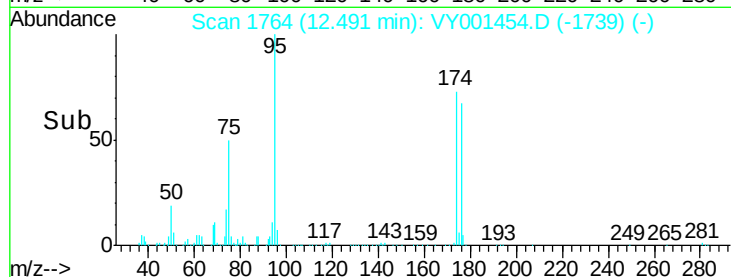
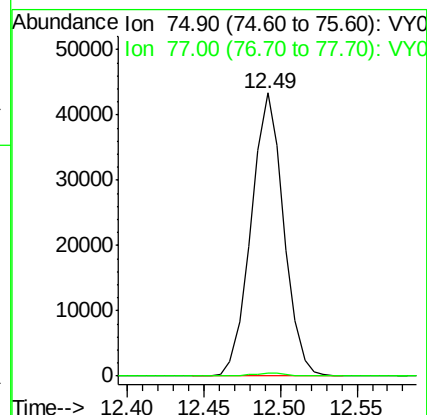
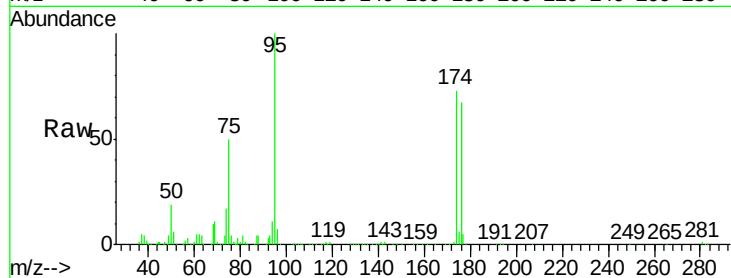
C-2_013020

Tgt Ion: 75 Resp: 63912

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.92 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001454.D

Acq: 31 Jan 2020 14:46

Tgt Ion: 75 Resp: 63912

Ion Ratio Lower Upper

75 100

53 0.0 69.9 104.9#

89 0.0 36.6 54.8#

