

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121219\
 Data File : VY000932.D
 Acq On : 12 Dec 2019 15:49
 Operator : SY/MD
 Sample : K6268-01
 Misc : 8.45G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Dec 13 06:28:12 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	7.79	168	240575	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	446731	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	391258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	161050	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	137068	53.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.24%	
35) Dibromofluoromethane	7.72	113	126883	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.46%	
50) Toluene-d8	10.17	98	531649	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.47	95	171886	43.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.94%	

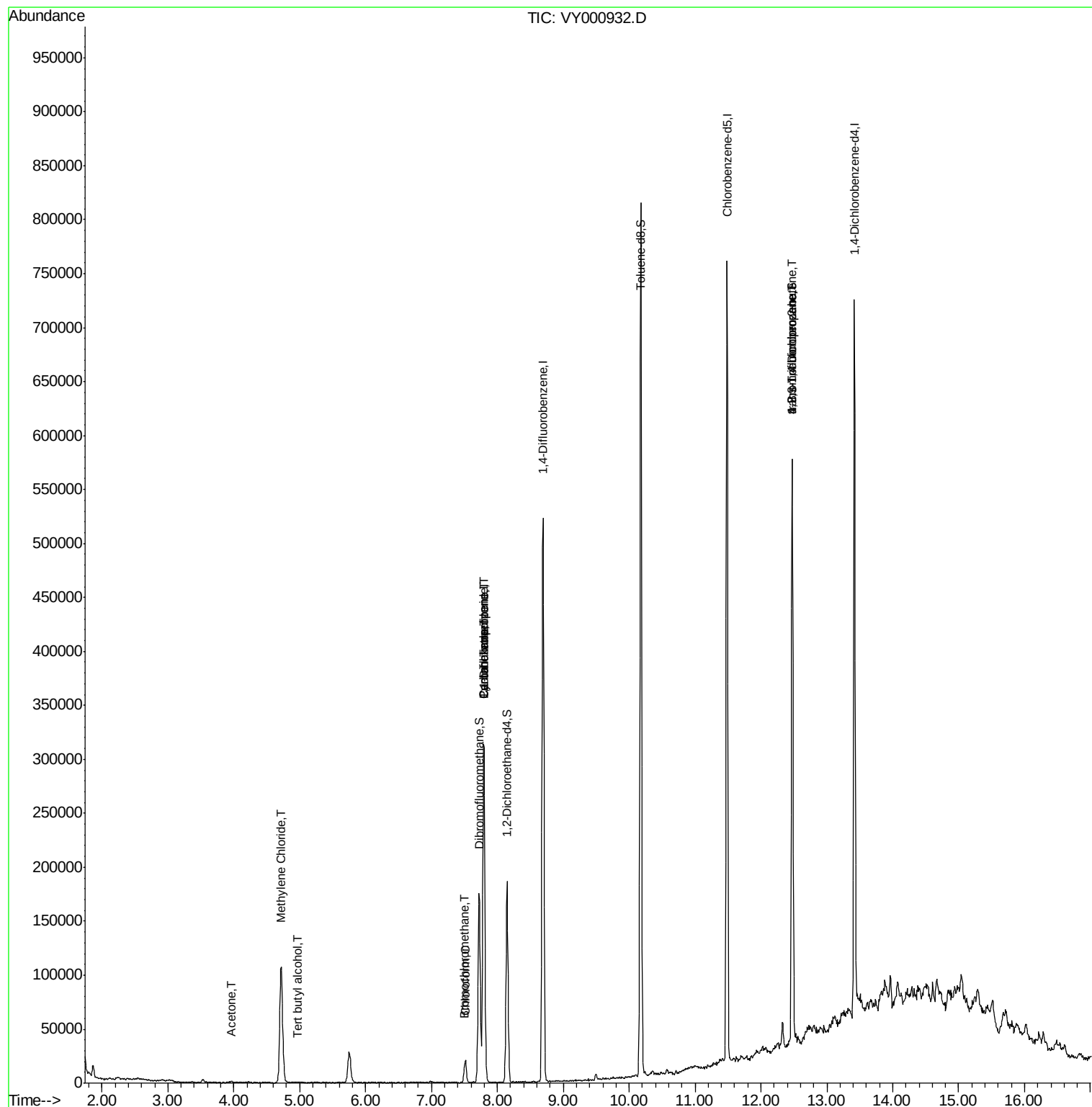
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.66	94	125	Below Cal	#	3
11) Tert butyl alcohol	4.97	59	281	1.093	ug/l #	74
16) Acetone	3.96	43	2908	4.959	ug/l	98
20) Methylene Chloride	4.72	84	81221	26.276	ug/l	98
28) Bromochloromethane	7.50	49	553	2.298	ug/l #	15
30) Chloroform	7.52	83	19231	3.742	ug/l	94
31) Cyclohexane	7.80	56	5598	1.031	ug/l #	23
36) 1,1-Dichloropropene	7.79	75	20499	4.615	ug/l #	49
38) Carbon Tetrachloride	7.80	117	24048	6.079	ug/l #	15
76) 1,2,3-Trichloropropane	12.47	75	87248	47.815	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.47	75	87248	93.923	ug/l #	18

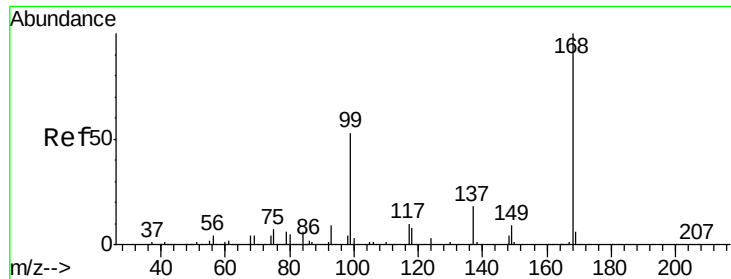
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

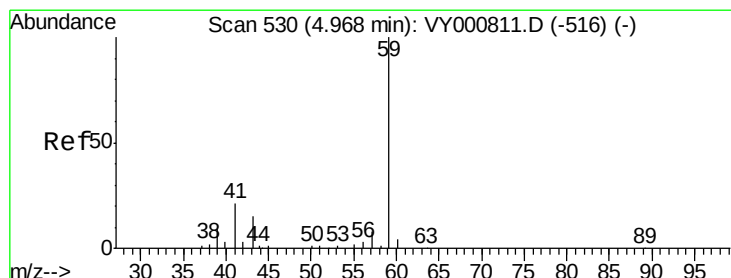
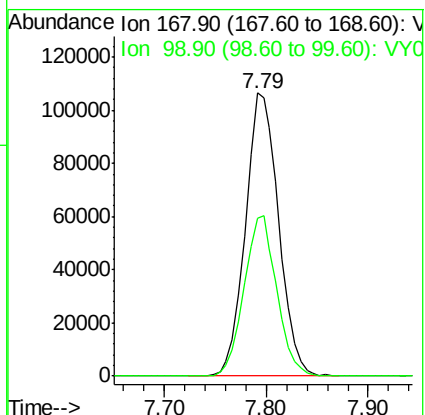
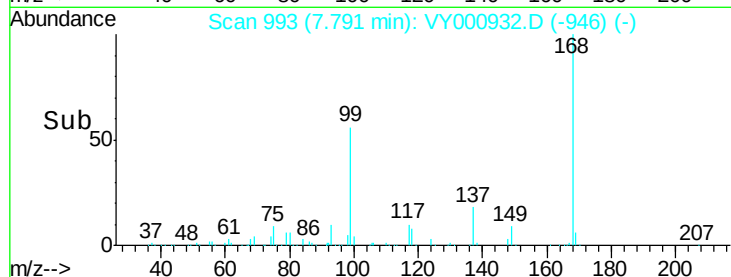
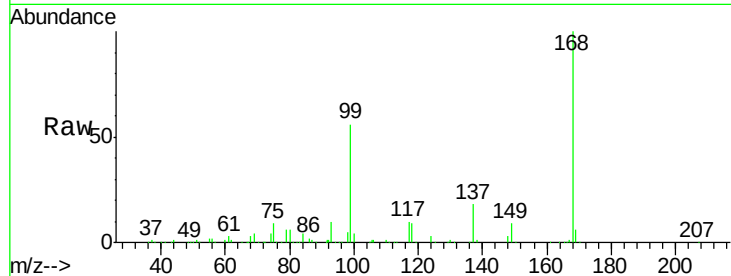
33-19-12-11-01E

Tgt Ion: 168 Resp: 240575

Ion Ratio Lower Upper

168 100

99 55.8 45.0 67.6



#11

Tert butyl alcohol

Concen: 1.093 ug/l

RT: 4.97 min Scan# 530

Delta R.T. -0.00 min

Lab File: VY000932.D

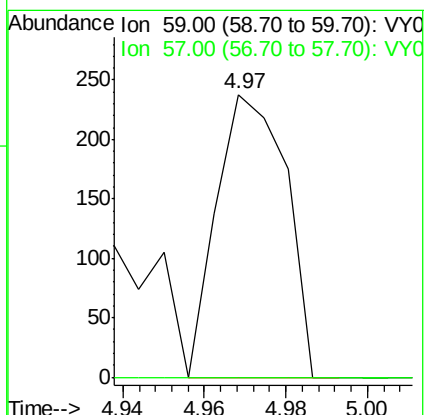
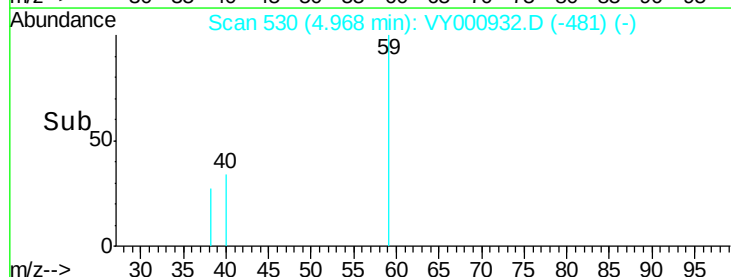
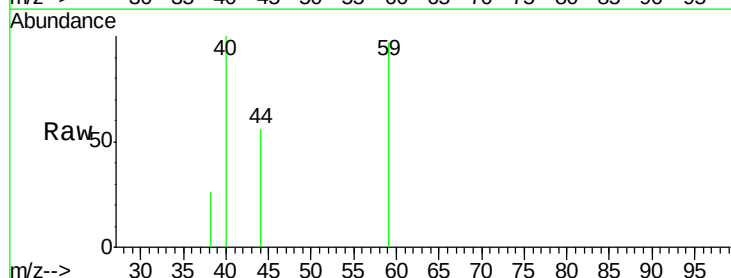
Acq: 12 Dec 2019 15:49

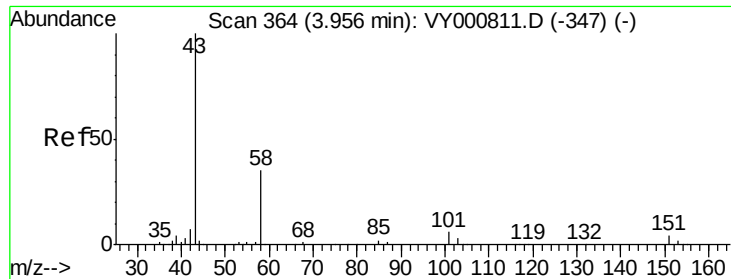
Tgt Ion: 59 Resp: 281

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#





#16

Acetone

Concen: 4.959 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

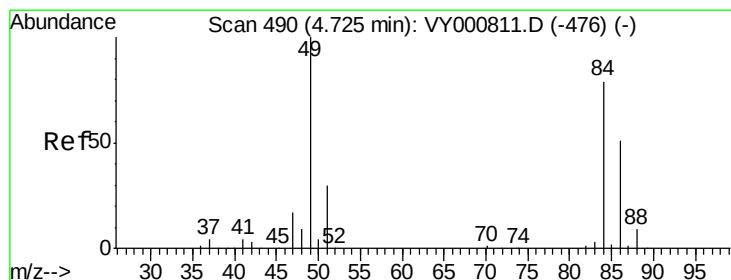
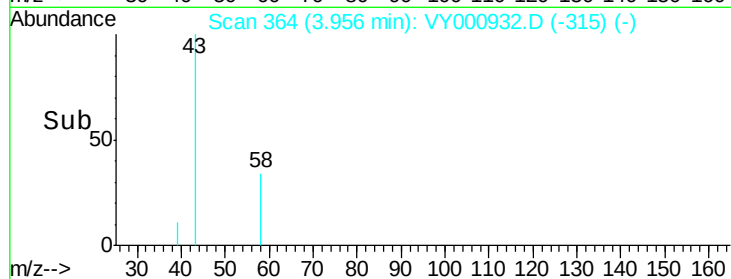
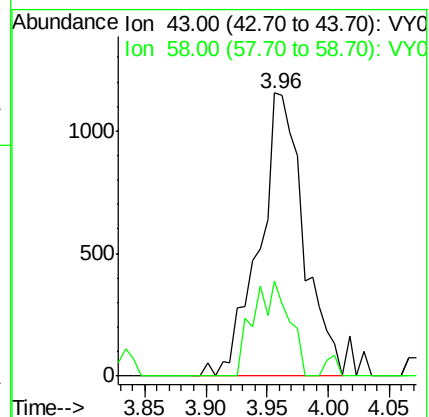
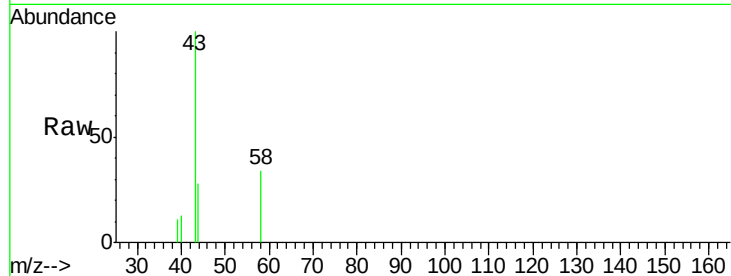
33-19-12-11-01E

Tgt Ion: 43 Resp: 2908

Ion Ratio Lower Upper

43 100

58 33.6 28.0 42.0



#20

Methylene Chloride

Concen: 26.276 ug/l

RT: 4.72 min Scan# 489

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Tgt Ion: 84 Resp: 81221

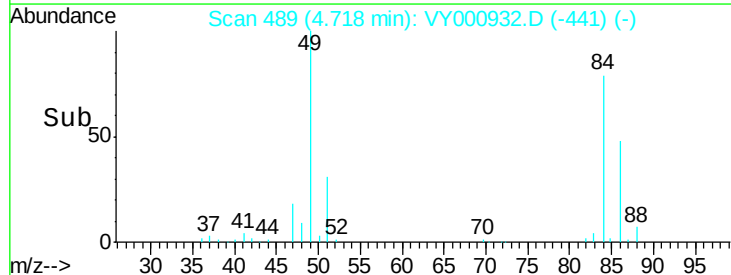
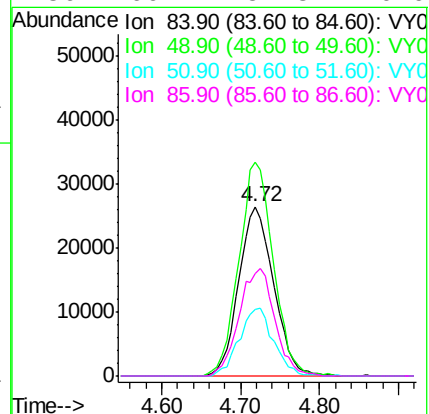
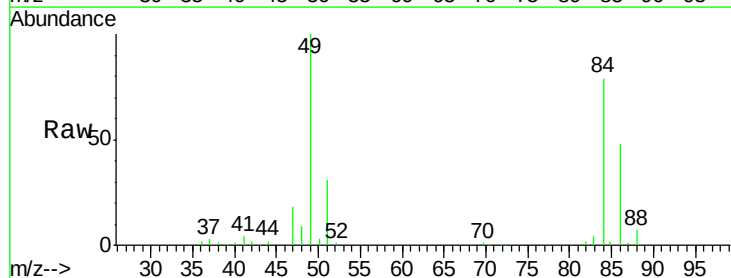
Ion Ratio Lower Upper

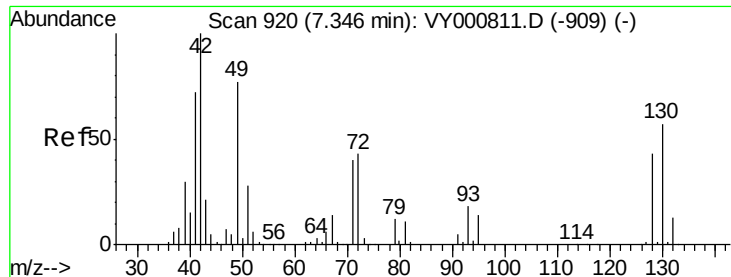
84 100

49 126.0 101.3 151.9

51 39.5 30.6 45.8

86 60.7 51.3 76.9





#28

Bromochloromethane

Concen: 2.298 ug/l

RT: 7.50 min Scan# 945

Delta R.T. 0.15 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

33-19-12-11-01E

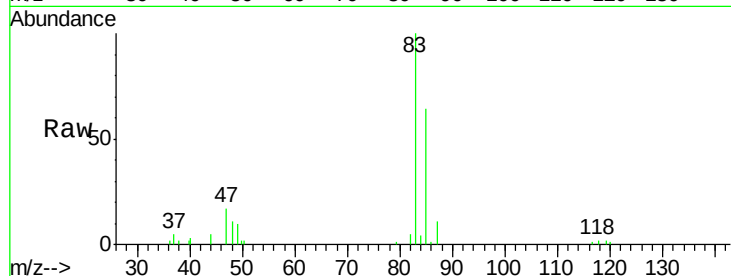
Tgt Ion: 49 Resp: 553

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 58.7 88.1#

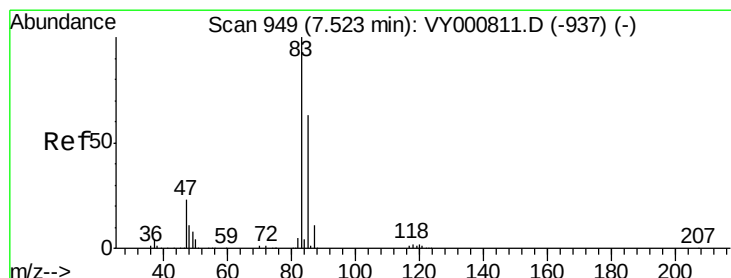
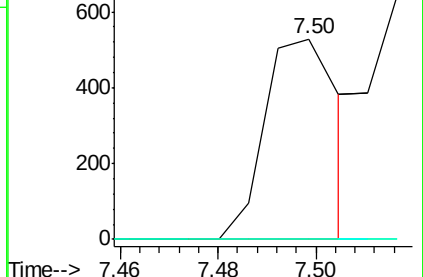
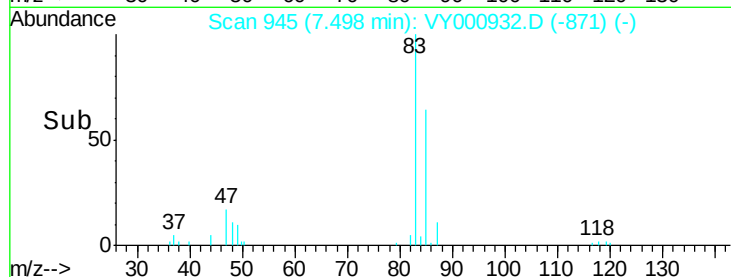


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): VY0

Ion 129.80 (129.50 to 130.50): VY0

Time-->



#30

Chloroform

Concen: 3.742 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY000932.D

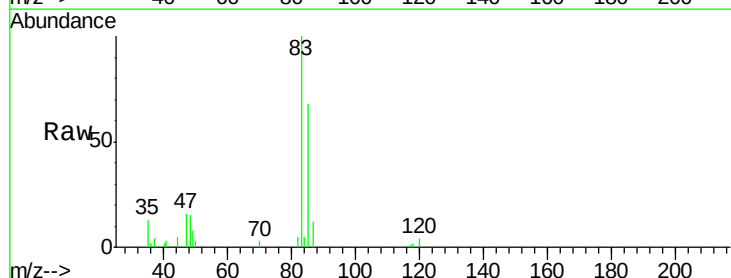
Acq: 12 Dec 2019 15:49

Tgt Ion: 83 Resp: 19231

Ion Ratio Lower Upper

83 100

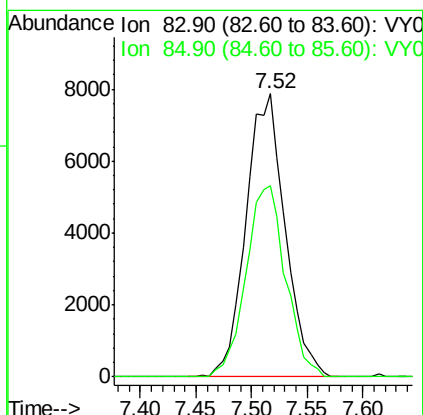
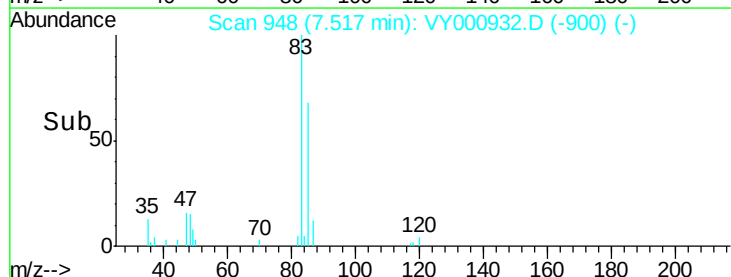
85 67.8 50.4 75.6

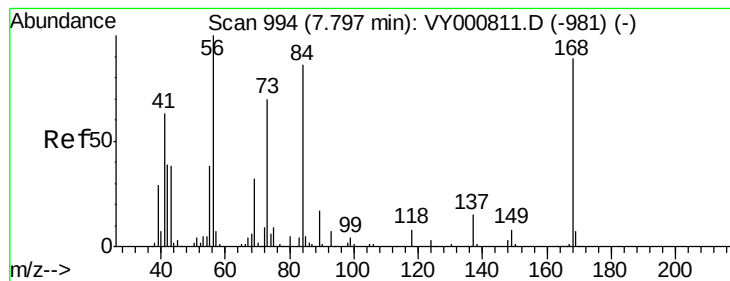


Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Time-->





#31

Cyclohexane

Concen: 1.031 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.00 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

33-19-12-11-01E

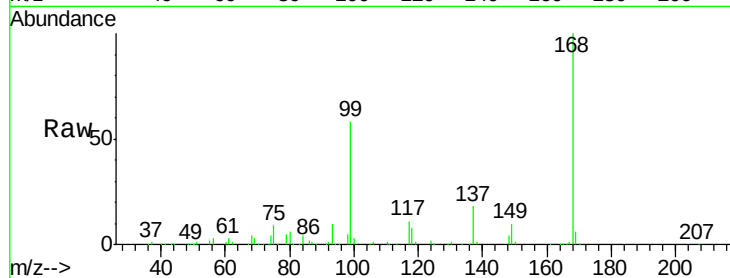
Tgt Ion: 56 Resp: 5598

Ion Ratio Lower Upper

56 100

69 114.8 25.9 38.9#

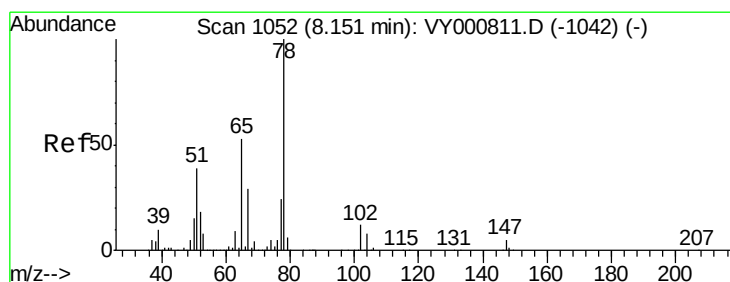
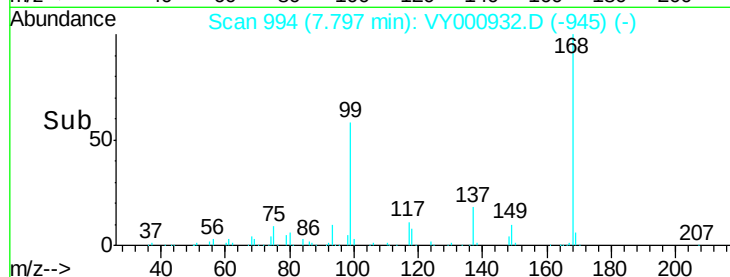
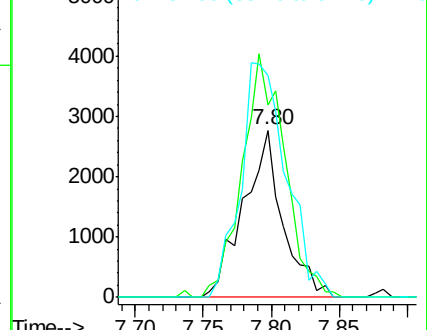
84 132.6 68.6 102.8#



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#33

1,2-Dichloroethane-d4

Concen: 53.619 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY000932.D

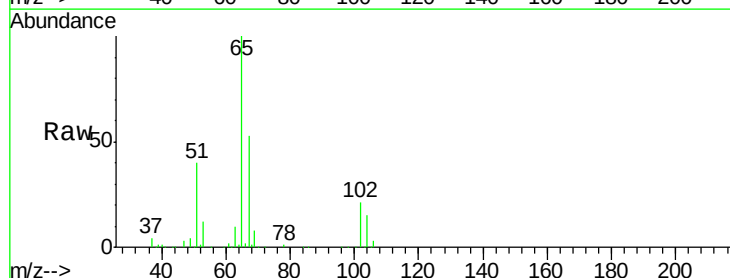
Acq: 12 Dec 2019 15:49

Tgt Ion: 65 Resp: 137068

Ion Ratio Lower Upper

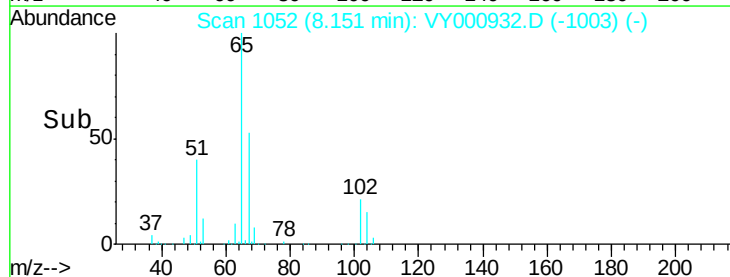
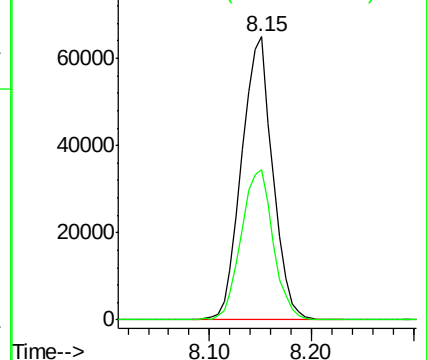
65 100

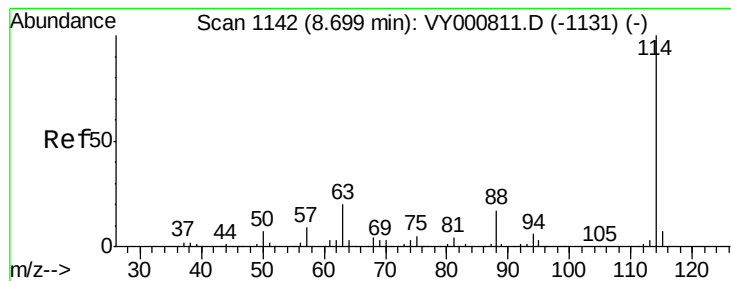
67 54.6 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

33-19-12-11-01E

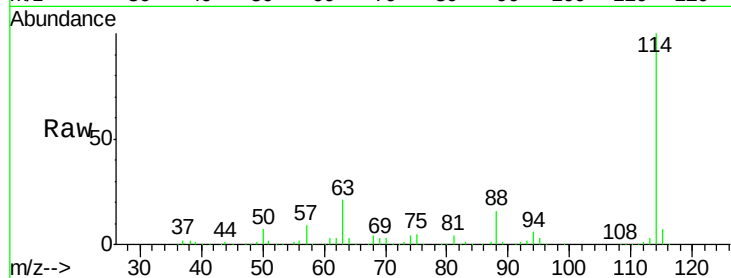
Tgt Ion:114 Resp: 446731

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.8

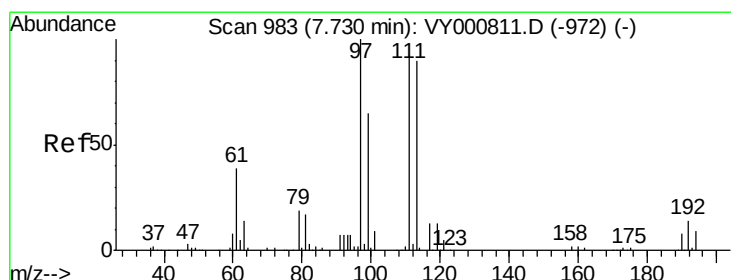
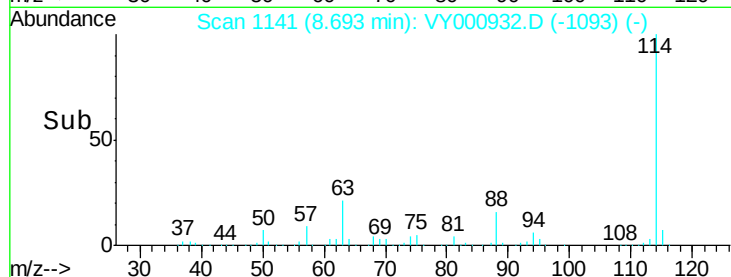
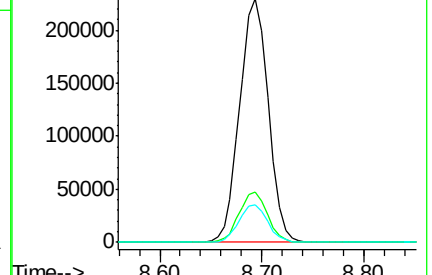
88 15.6 0.0 33.2



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: 48.735 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

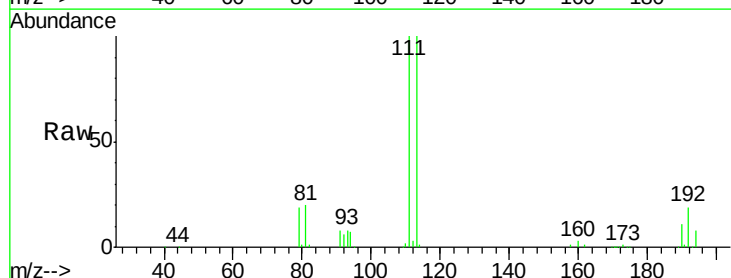
Tgt Ion:113 Resp: 126883

Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

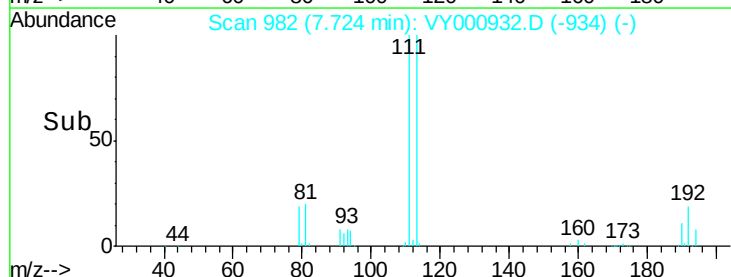
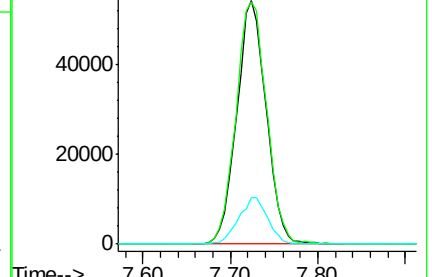
192 18.8 14.2 21.2

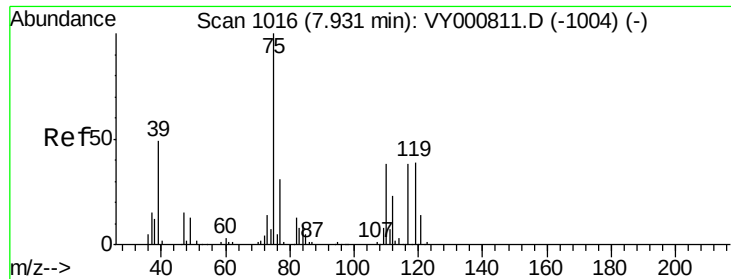


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

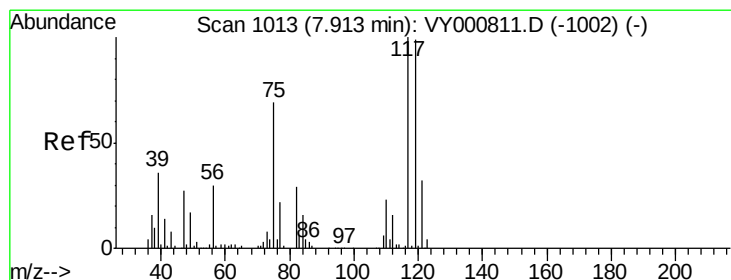
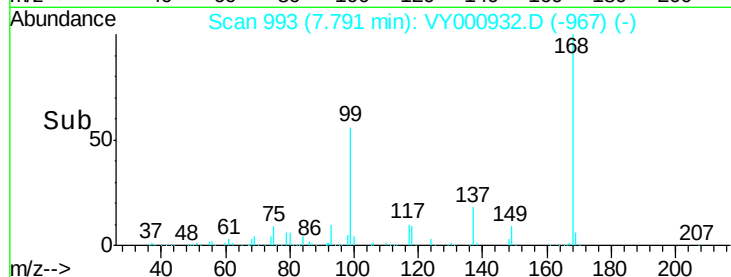
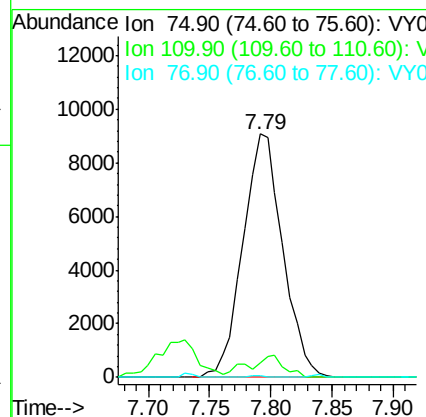
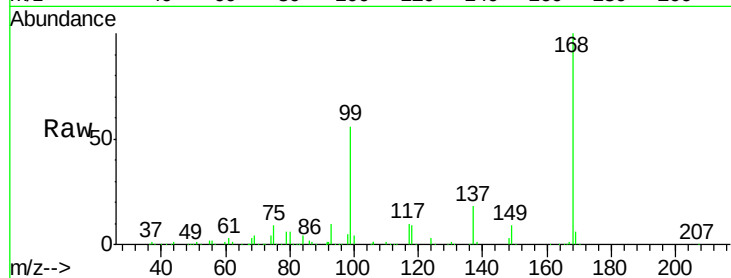




#36
 1,1-Dichloropropene
 Concen: 4.615 ug/l
 RT: 7.79 min Scan# 993
 Delta R.T. -0.14 min
 Lab File: VY000932.D
 Acq: 12 Dec 2019 15:49

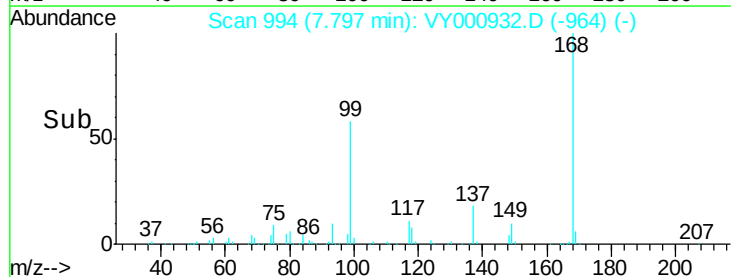
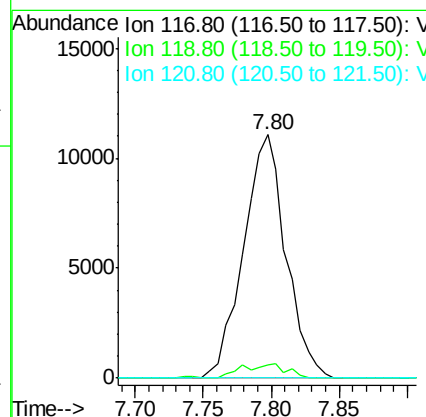
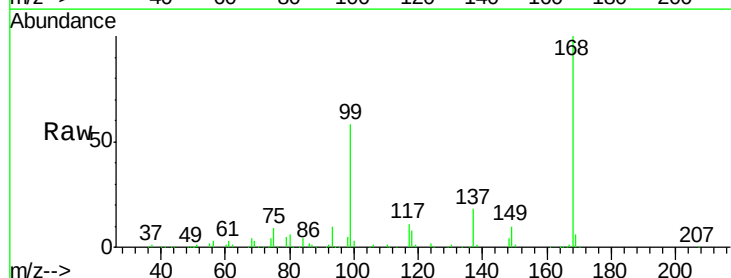
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 33-19-12-11-01E

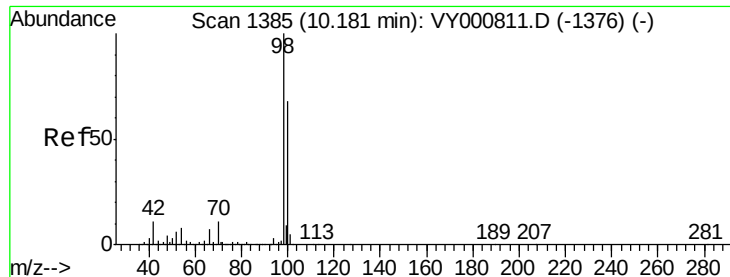
Tgt Ion: 75 Resp: 20499
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.9 53.7#
 77 0.2 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.079 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.12 min
 Lab File: VY000932.D
 Acq: 12 Dec 2019 15:49

Tgt Ion: 117 Resp: 24048
 Ion Ratio Lower Upper
 117 100
 119 5.4 79.3 118.9#
 121 0.0 25.5 38.3#





#50

Toluene-d8

Concen: 51.077 ug/l

RT: 10.17 min Scan# 1384

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

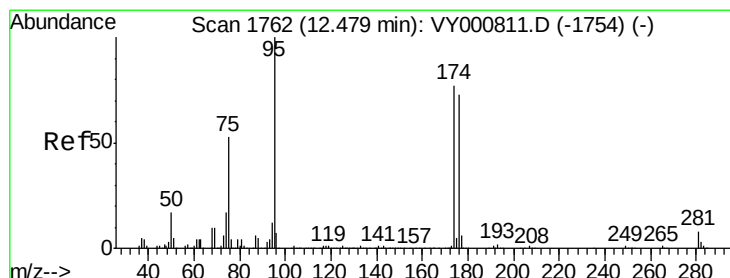
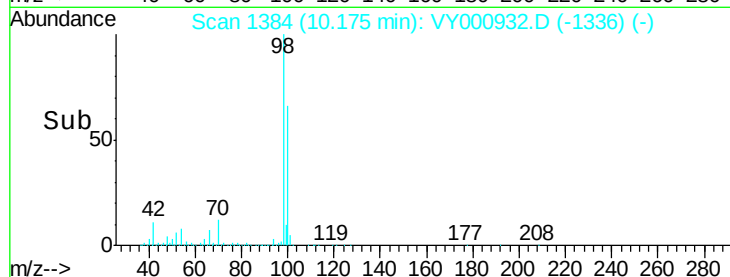
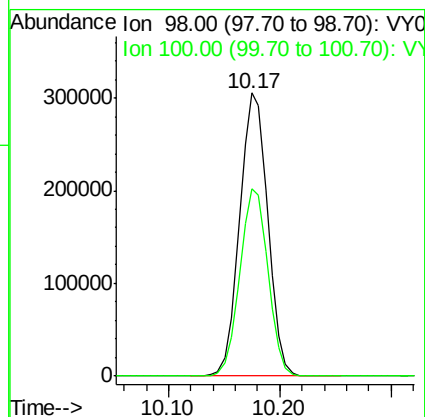
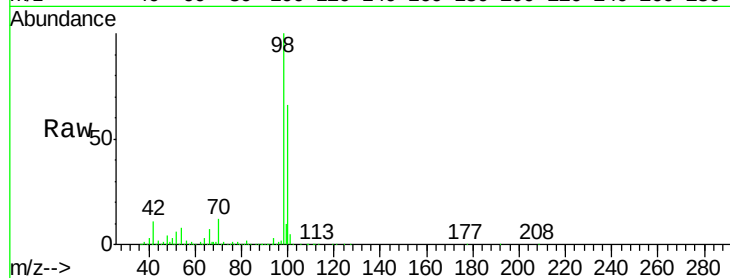
33-19-12-11-01E

Tgt Ion: 98 Resp: 531649

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 43.971 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.01 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

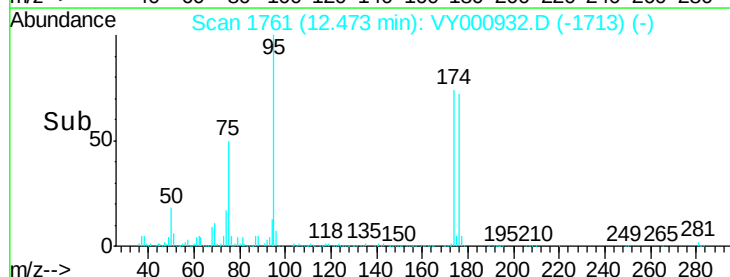
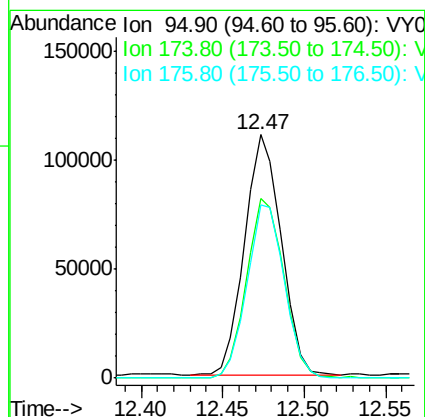
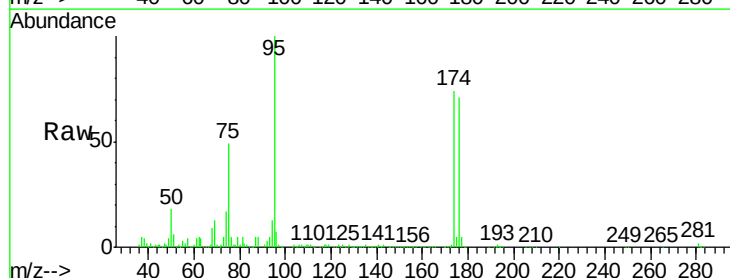
Tgt Ion: 95 Resp: 171886

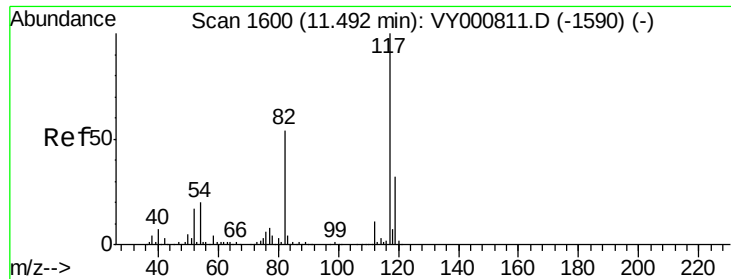
Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.6

176 73.9 0.0 145.2

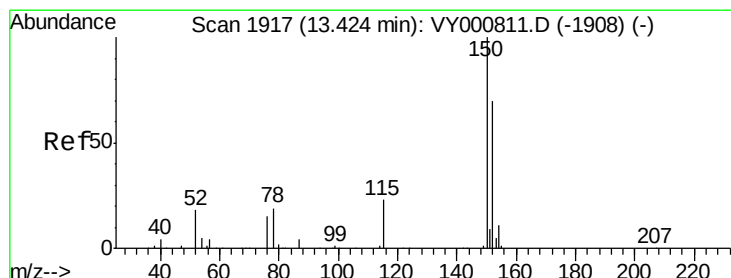
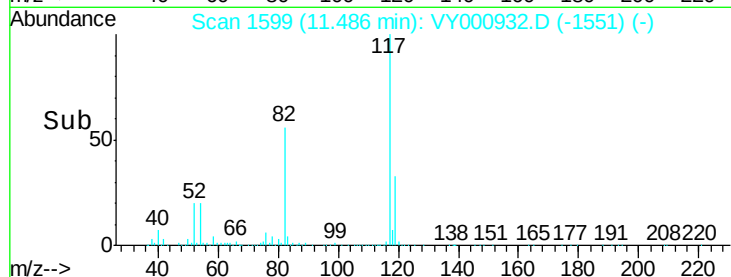
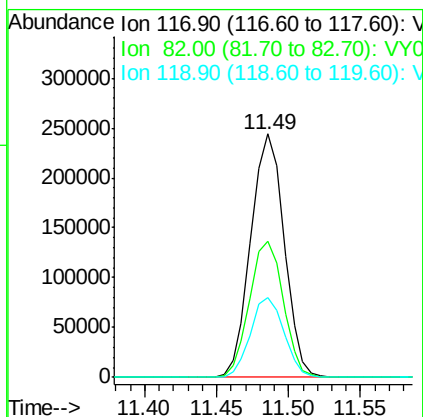
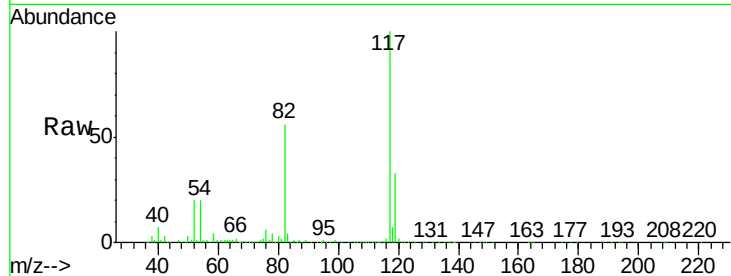




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000932.D
Acq: 12 Dec 2019 15:49

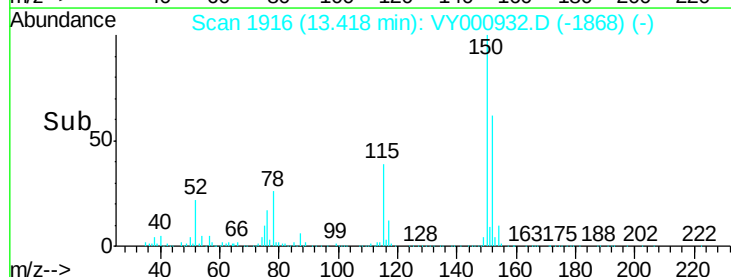
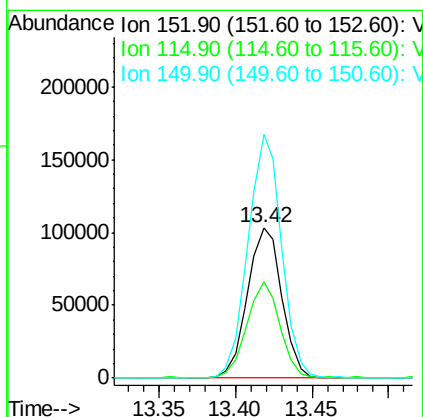
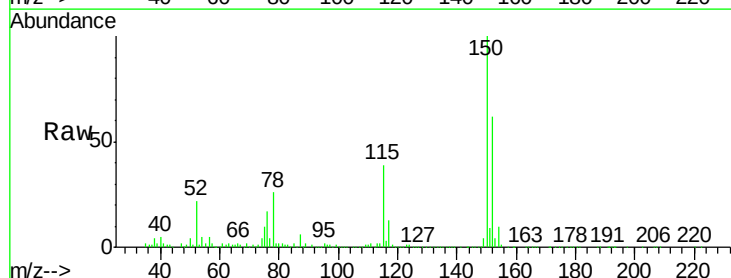
Instrument :
MSVOA_Y
ClientSampleId :
33-19-12-11-01E

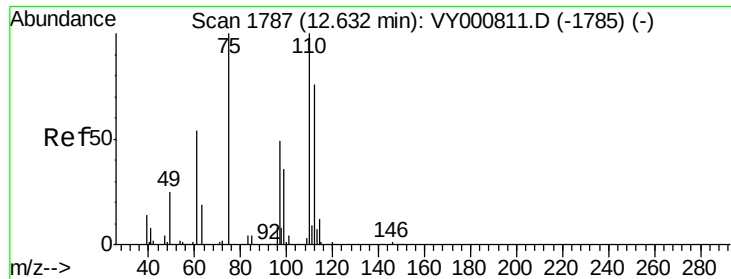
Tgt Ion:117 Resp: 391258
Ion Ratio Lower Upper
117 100
82 56.0 43.1 64.7
119 32.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000932.D
Acq: 12 Dec 2019 15:49

Tgt Ion:152 Resp: 161050
Ion Ratio Lower Upper
152 100
115 61.0 29.3 87.8
150 158.0 0.0 351.2





#76

1,2,3-Trichloropropane

Concen: 47.815 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. -0.16 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Instrument :

MSVOA_Y

ClientSampleId :

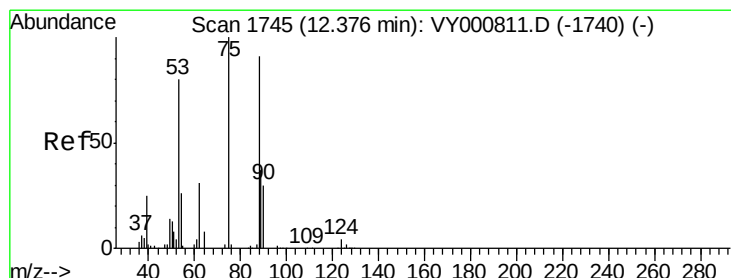
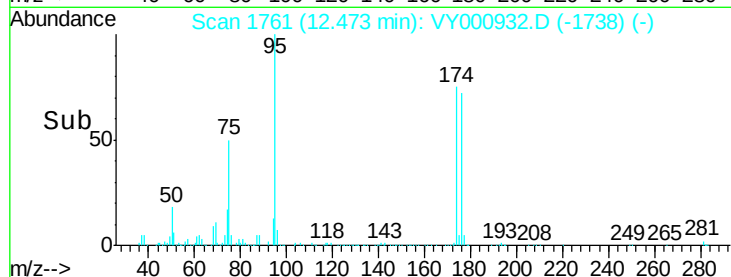
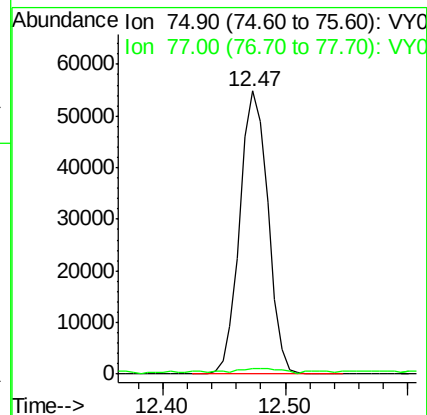
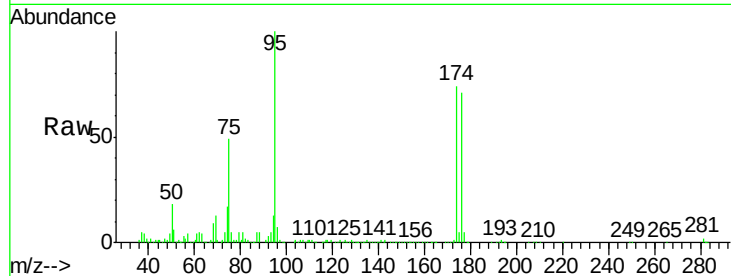
33-19-12-11-01E

Tgt Ion: 75 Resp: 87248

Ion Ratio Lower Upper

75 100

77 2.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.923 ug/l

RT: 12.47 min Scan# 1761

Delta R.T. 0.10 min

Lab File: VY000932.D

Acq: 12 Dec 2019 15:49

Tgt Ion: 75 Resp: 87248

Ion Ratio Lower Upper

75 100

53 0.3 64.6 96.8#

89 0.1 33.6 50.4#

