

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY092619\
 Data File : VY000154.D
 Acq On : 26 Sep 2019 15:52
 Operator : SY/MD
 Sample : K5038-06
 Misc : 6.56g/5.00ml/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 16:59:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y092619S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 14:30:12 2019
 Response via : Initial Calibration

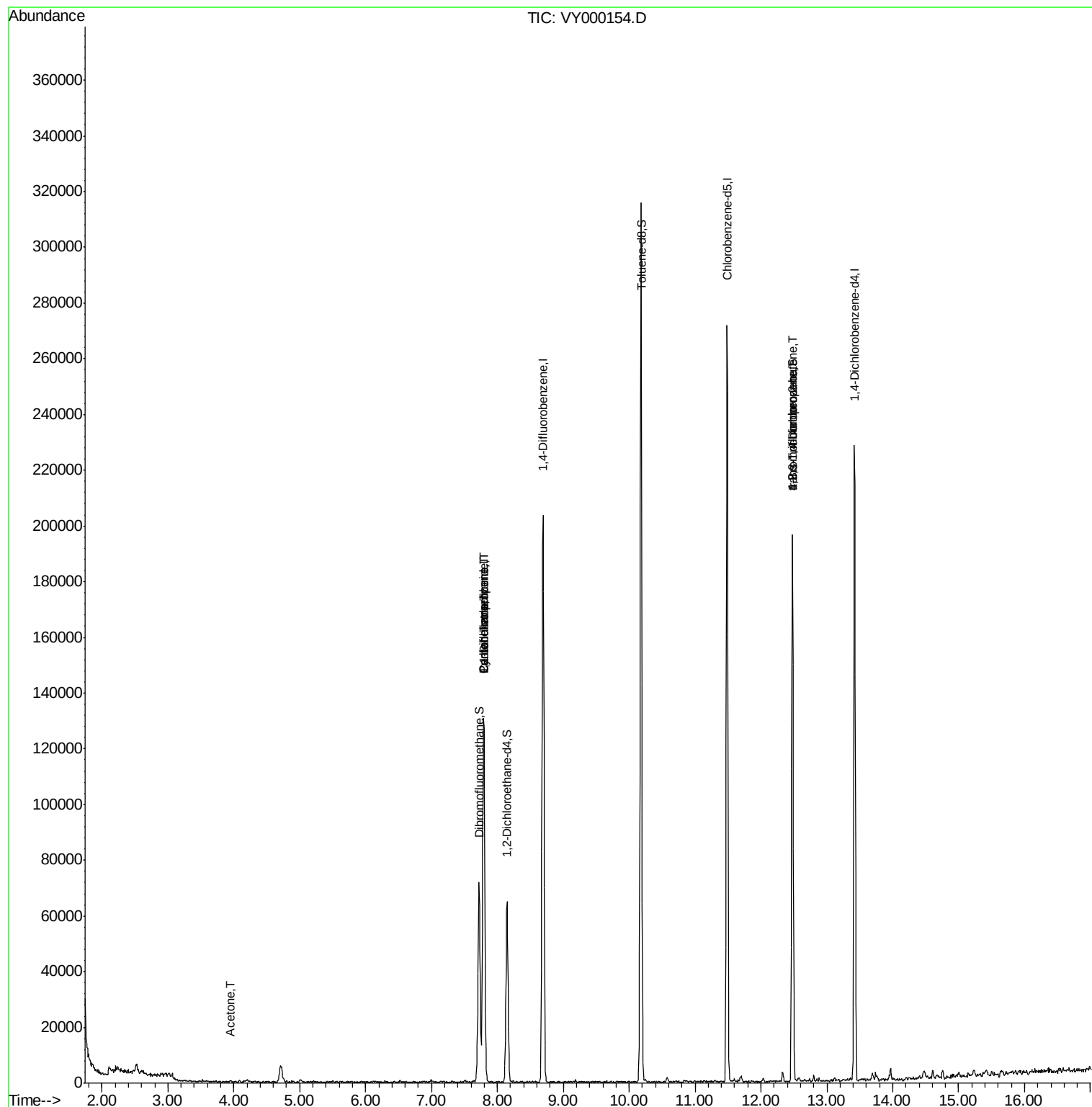
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	107678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	186901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	153462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	58144	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	46455	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
35) Dibromofluoromethane	7.72	113	50374	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.18	98	210417	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.48	95	61630	40.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.64%	
Target Compounds						
3) Chloromethane	2.10	50	1442	Below Cal	#	86
16) Acetone	3.95	43	620	2.592	ug/l #	37
20) Methylene Chloride	4.71	84	5618	Below Cal	#	77
31) Cyclohexane	7.79	56	2013	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	7783	5.011	ug/l #	46
38) Carbon Tetrachloride	7.80	117	10664	7.033	ug/l #	17
76) 1,2,3-Trichloropropane	12.48	75	29056	49.653	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.48	75	29056	98.951	ug/l #	19

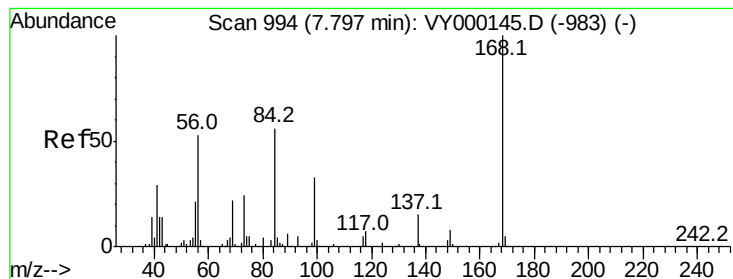
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Sep 26 14:30:12 2019
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: VY000154.D

Acq: 26 Sep 2019 15:52

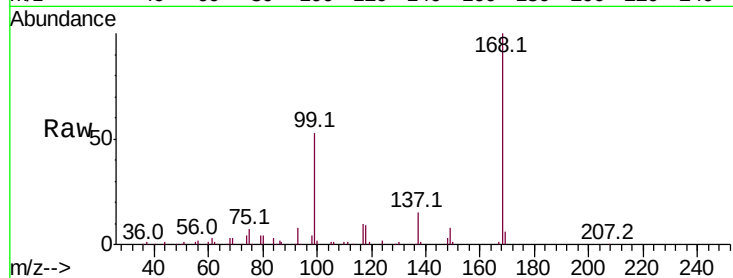
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 107678

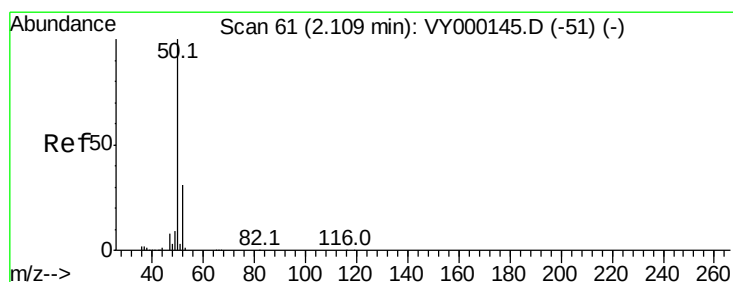
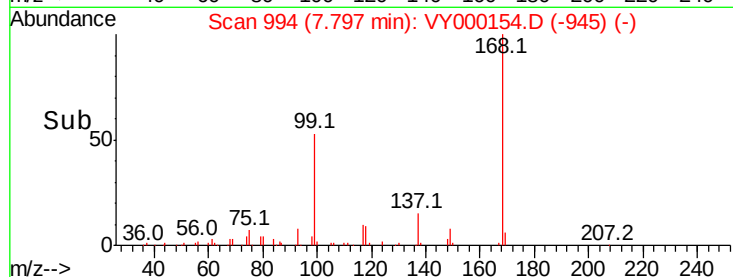
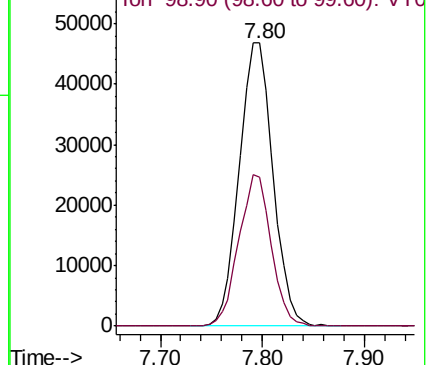
Ion Ratio Lower Upper

168 100

99 52.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): VY000145.D (-983) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.10 min Scan# 60

Delta R.T. -0.01 min

Lab File: VY000154.D

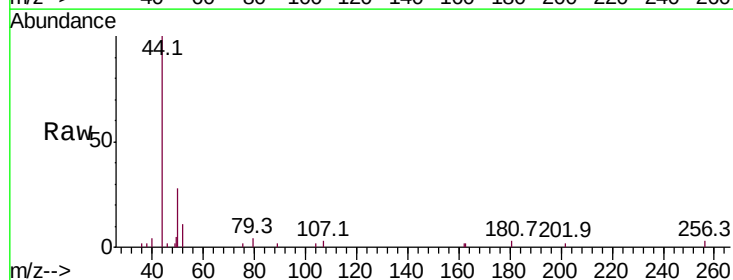
Acq: 26 Sep 2019 15:52

Tgt Ion: 50 Resp: 1442

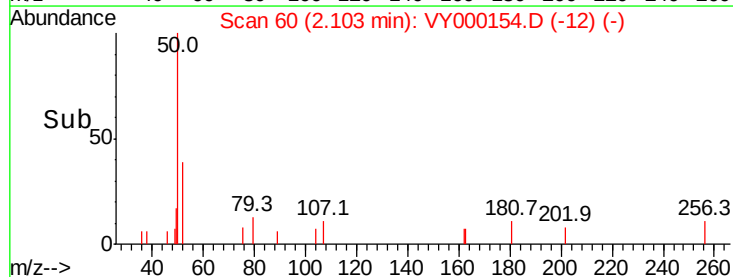
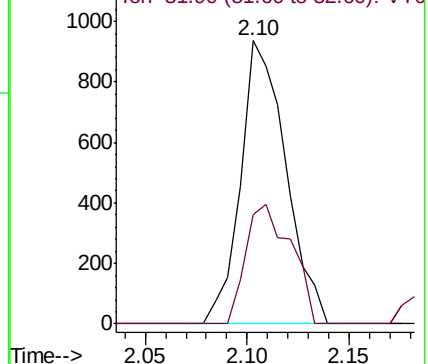
Ion Ratio Lower Upper

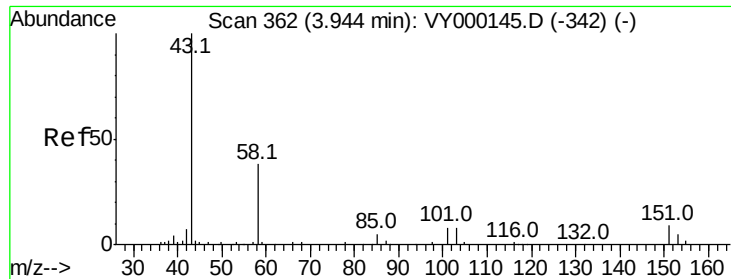
50 100

52 38.8 25.0 37.6#



Abundance Ion 49.90 (49.60 to 50.60): VY000145.D (-51) (-)





#16

Acetone

Concen: 2.592 ug/l

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VY000154.D

Acq: 26 Sep 2019 15:52

Instrument :

MSVOA_Y

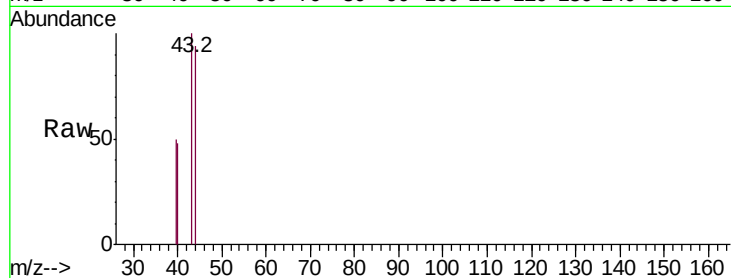
ClientSampleId :

Tot Ion: 43 Resp: 620

Ion Ratio Lower Upper

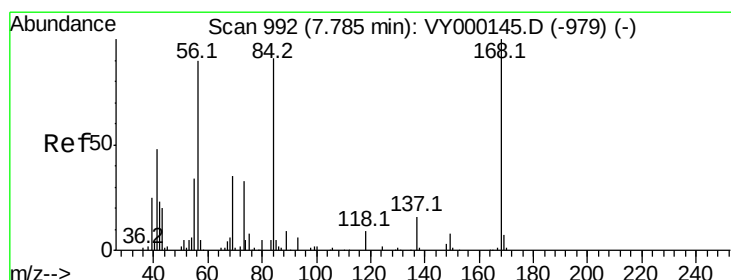
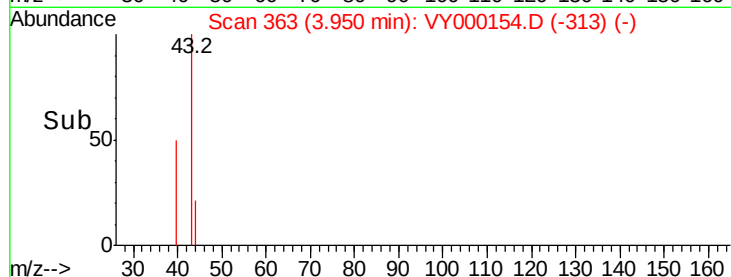
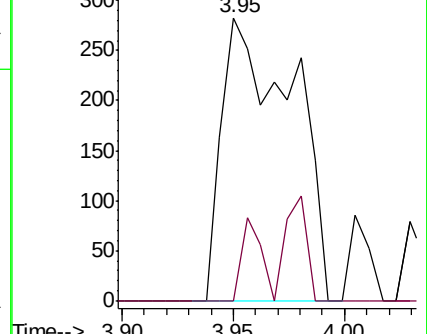
43 100

58 0.0 30.4 45.6#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.01 min

Lab File: VY000154.D

Acq: 26 Sep 2019 15:52

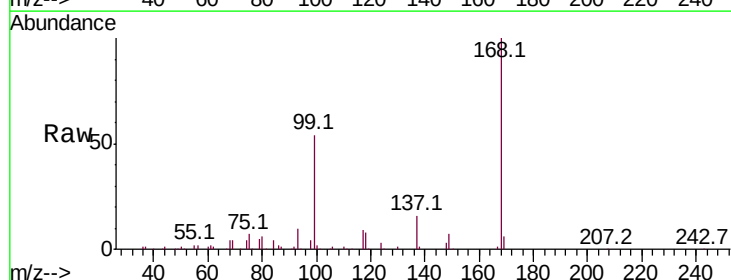
Tgt Ion: 56 Resp: 2013

Ion Ratio Lower Upper

56 100

69 159.7 31.1 46.7#

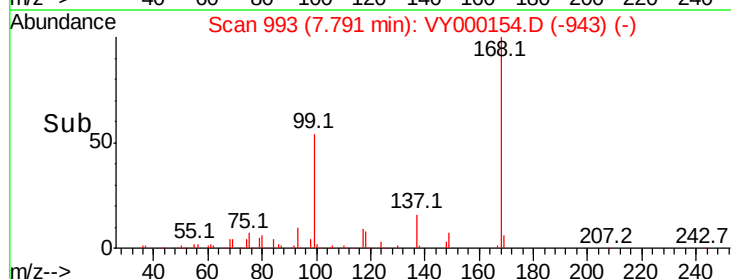
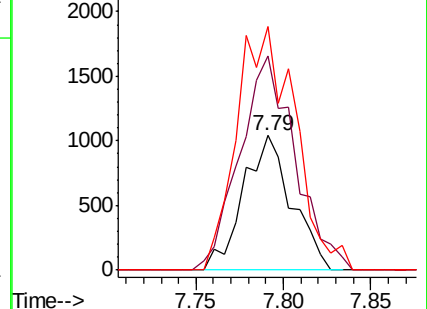
84 181.3 80.5 120.7#

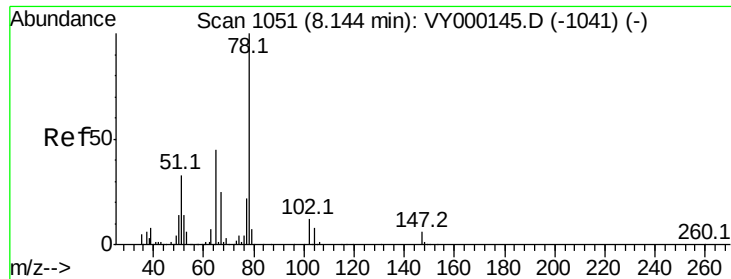


Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0

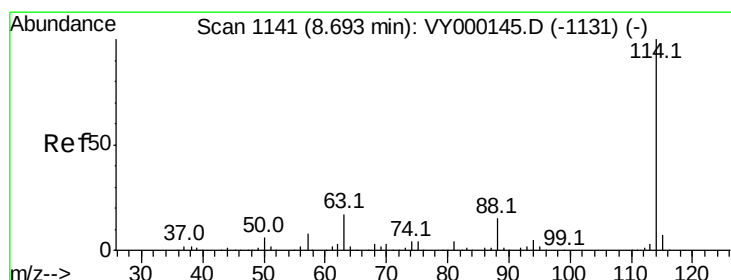
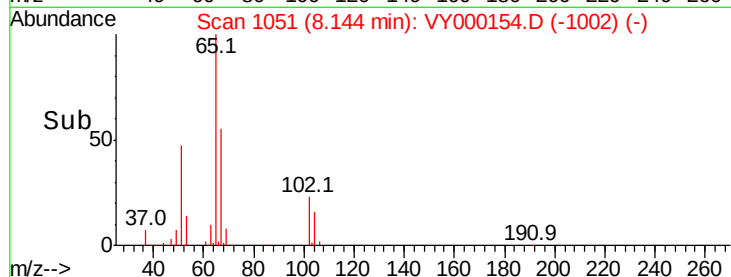
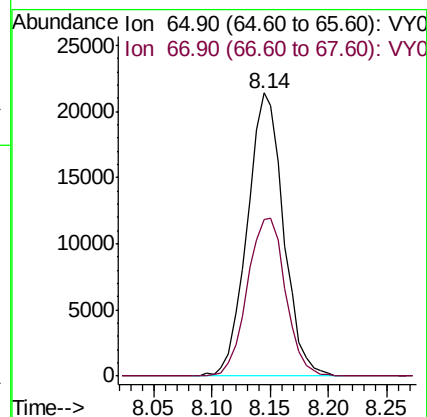
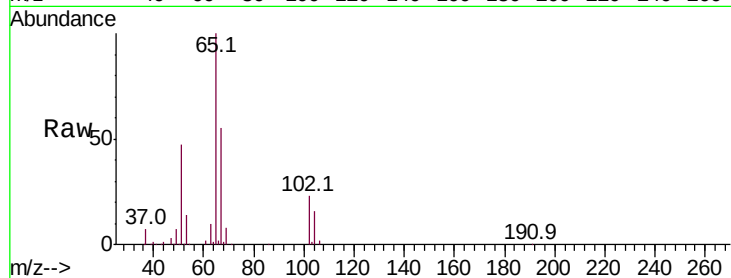




#33
 1,2-Dichloroethane-d4
 Concen: 49.263 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VY000154.D
 Acq: 26 Sep 2019 15:52

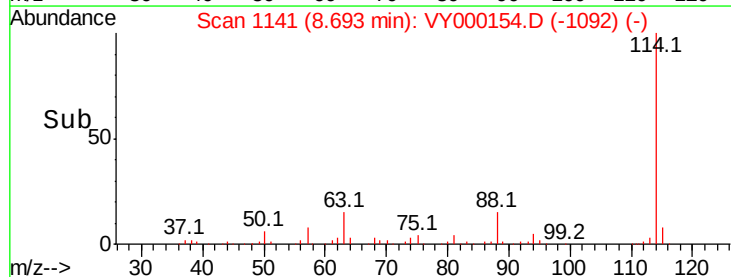
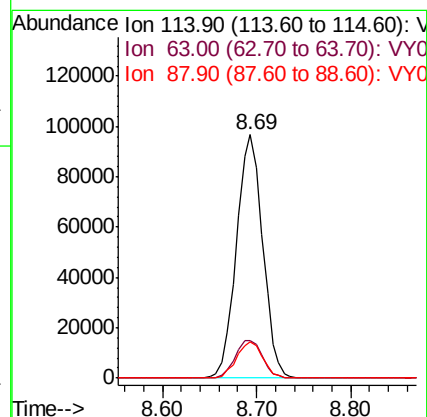
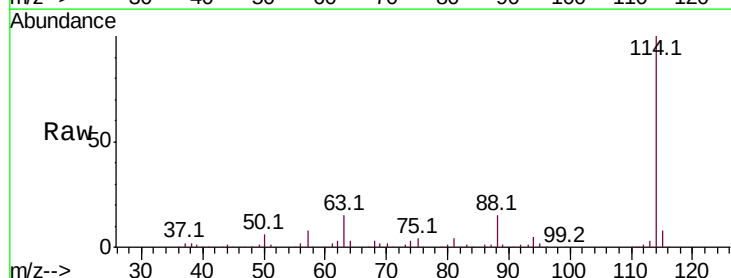
Instrument :
 MSVOA_Y
 ClientSampleId :

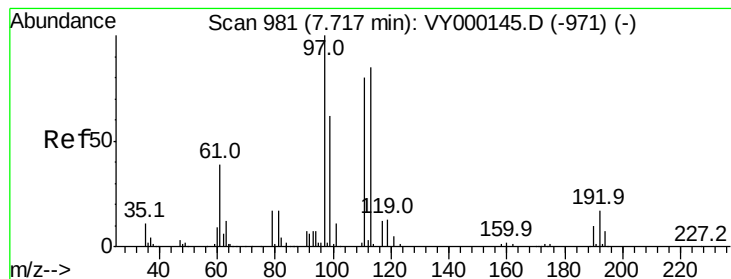
Tot Ion: 65 Resp: 46455
 Ion Ratio Lower Upper
 65 100
 67 58.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY000154.D
 Acq: 26 Sep 2019 15:52

Tgt Ion: 114 Resp: 186901
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 34.6
 88 14.7 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.466 ug/l

RT: 7.72 min Scan# 981

Delta R.T. 0.00 min

Lab File: VY000154.D

Acq: 26 Sep 2019 15:52

Instrument :
MSVOA_Y
ClientSampleId :

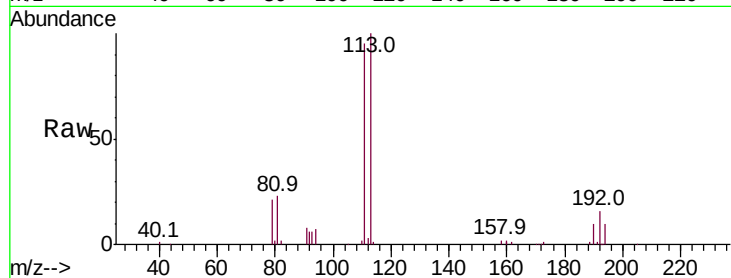
Tot Ion:113 Resp: 50374

Ion Ratio Lower Upper

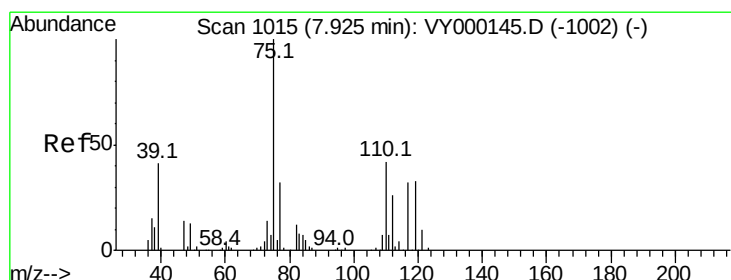
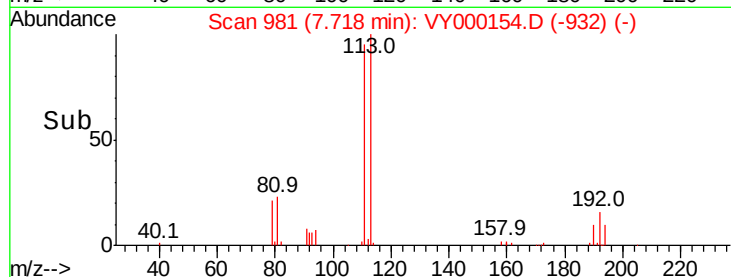
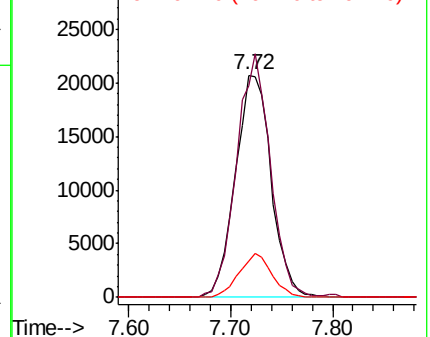
113 100

111 103.2 82.0 123.0

192 17.9 17.3 25.9



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: 5.011 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.13 min

Lab File: VY000154.D

Acq: 26 Sep 2019 15:52

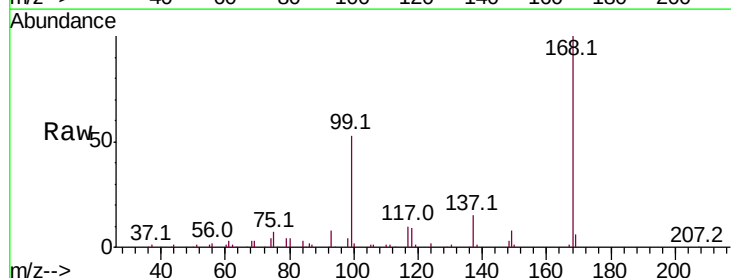
Tgt Ion: 75 Resp: 7783

Ion Ratio Lower Upper

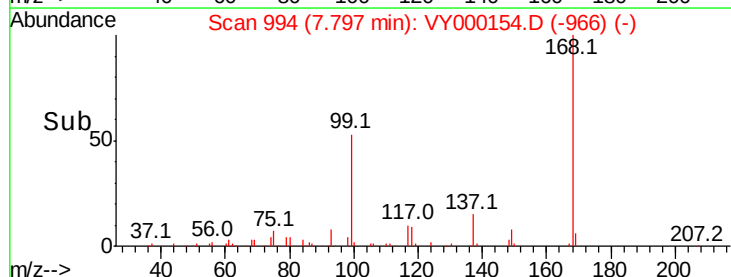
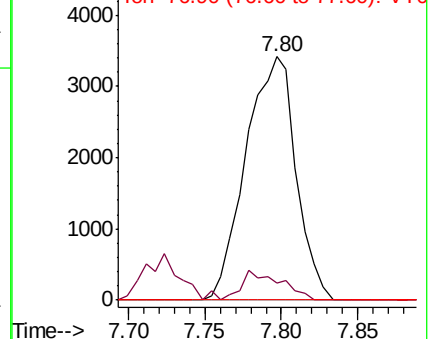
75 100

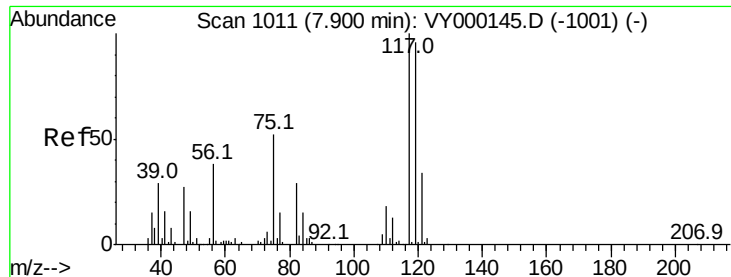
110 9.4 21.1 63.1#

77 0.0 24.6 36.8#



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: 7.033 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.10 min

Lab File: VY000154.D

Acq: 26 Sep 2019 15:52

Instrument :
MSVOA_Y
ClientSampleId :

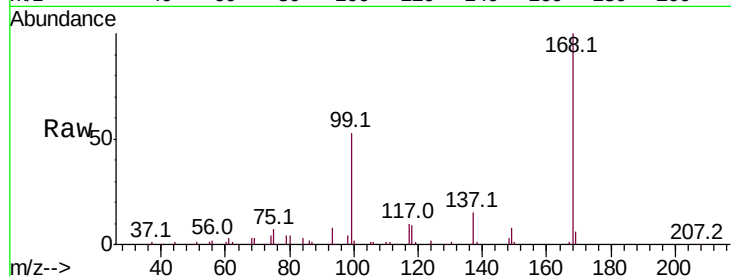
Tot Ion:117 Resp: 10664

Ion Ratio Lower Upper

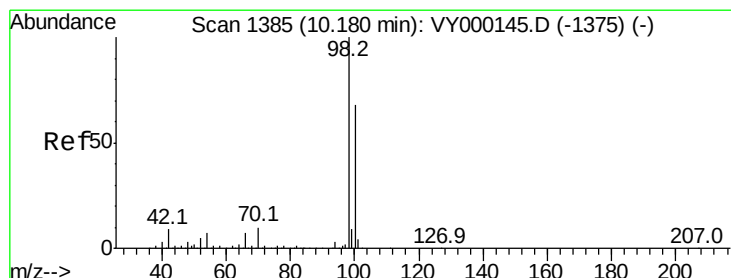
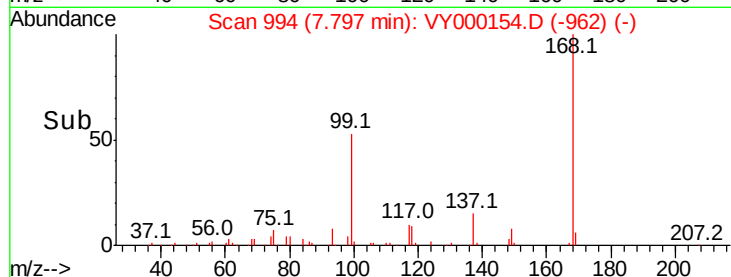
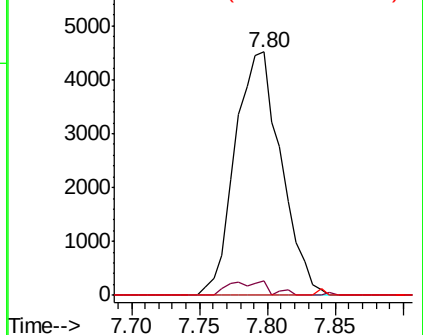
117 100

119 6.2 76.9 115.3#

121 0.0 27.4 41.0#



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: 50.802 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000154.D

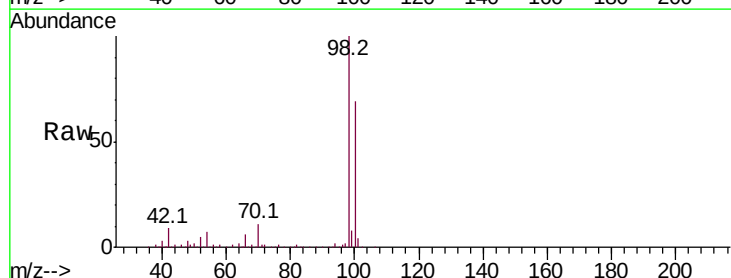
Acq: 26 Sep 2019 15:52

Tgt Ion: 98 Resp: 210417

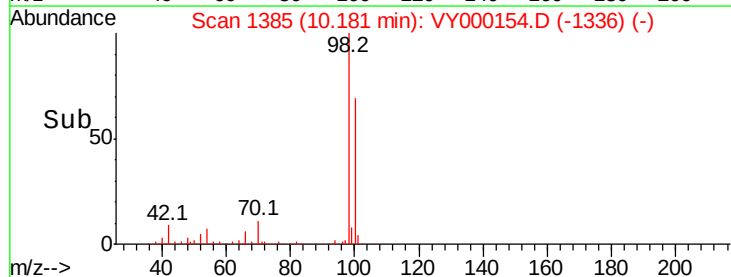
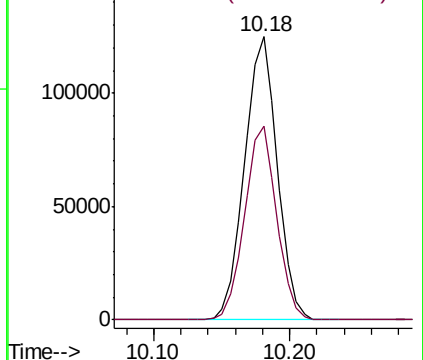
Ion Ratio Lower Upper

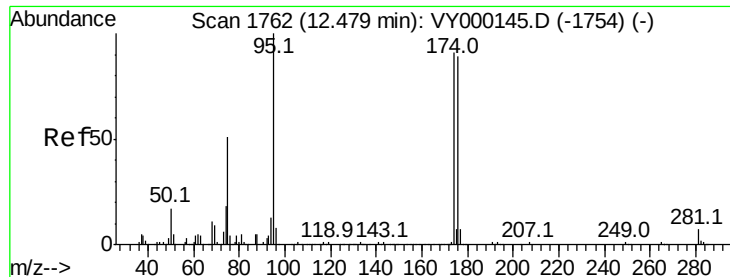
98 100

100 66.9 54.2 81.2



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0

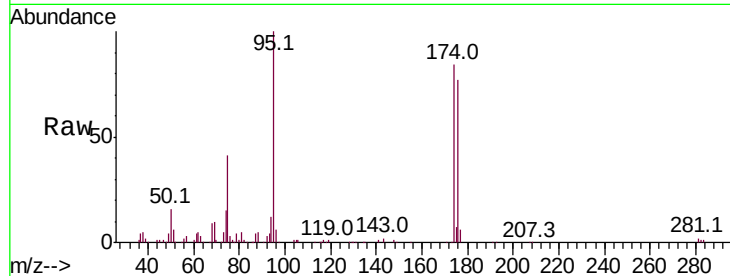




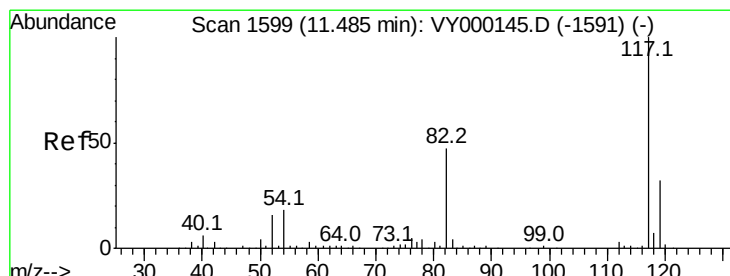
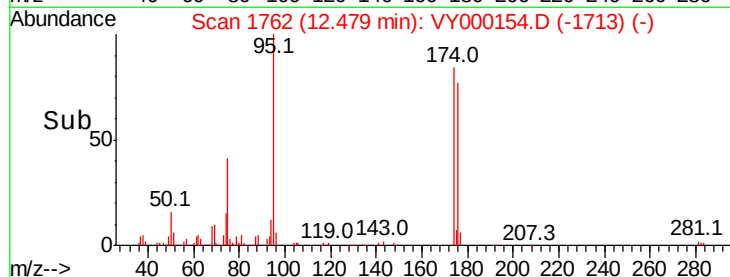
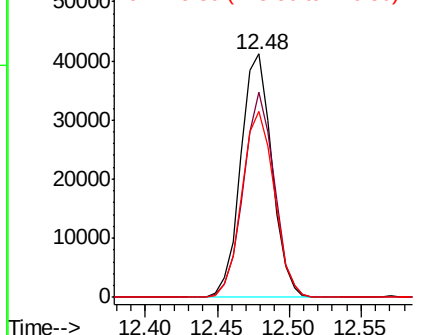
#62
4-Bromofluorobenzene
Concen: 40.823 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VY000154.D
Acq: 26 Sep 2019 15:52

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 95 Resp: 61630
Ion Ratio Lower Upper
95 100
174 83.4 0.0 180.6
176 79.9 0.0 171.6

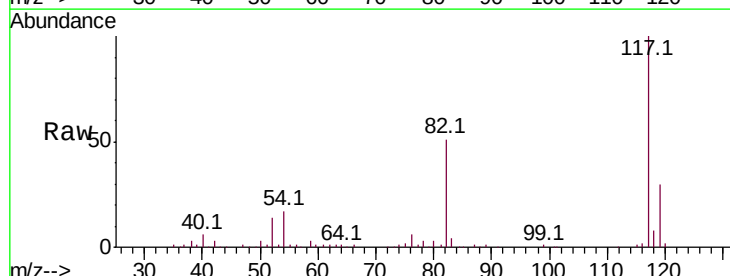


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

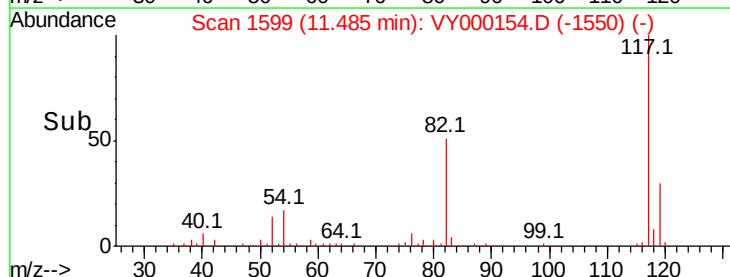
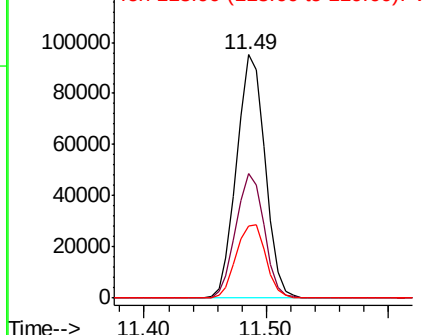


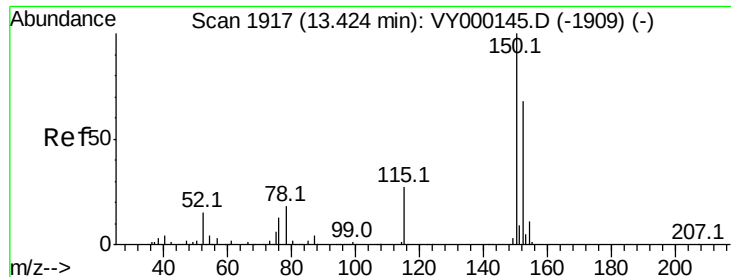
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY000154.D
Acq: 26 Sep 2019 15:52

Tgt Ion: 117 Resp: 153462
Ion Ratio Lower Upper
117 100
82 51.3 37.7 56.5
119 29.7 25.4 38.2



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



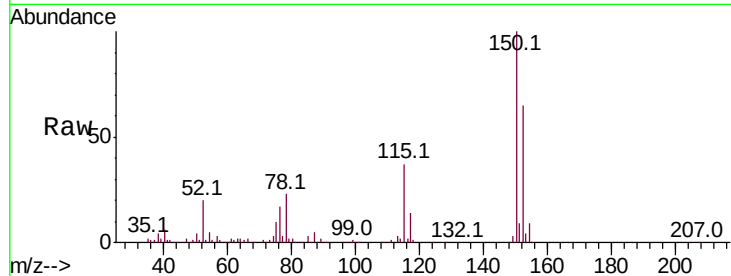


#72

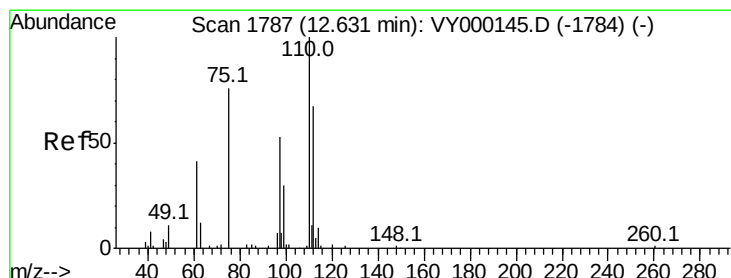
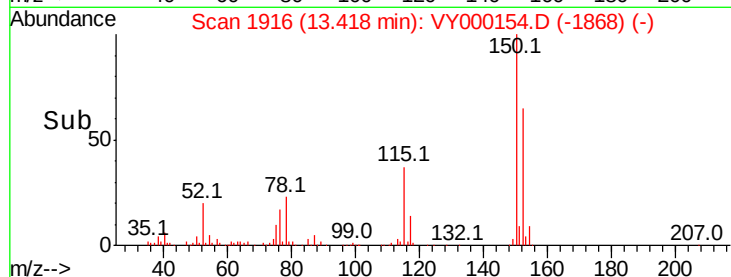
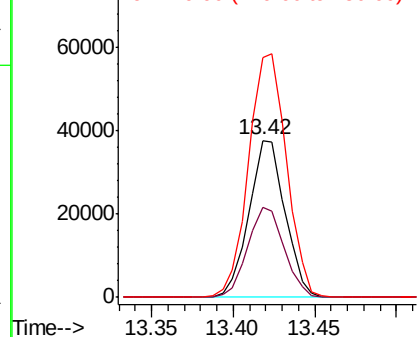
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000154.D
Acq: 26 Sep 2019 15:52

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:152 Resp: 58144
Ion Ratio Lower Upper
152 100
115 57.8 26.8 80.4
150 162.5 0.0 347.8



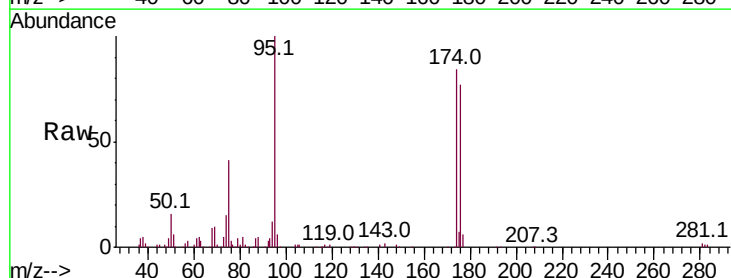
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



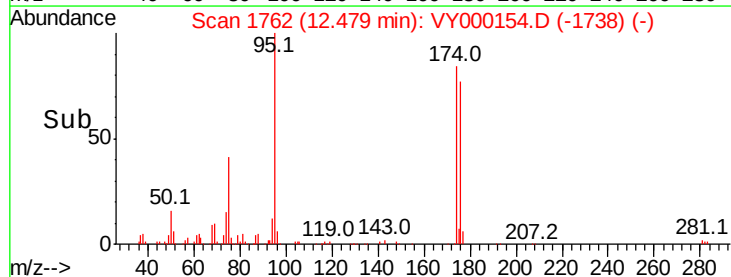
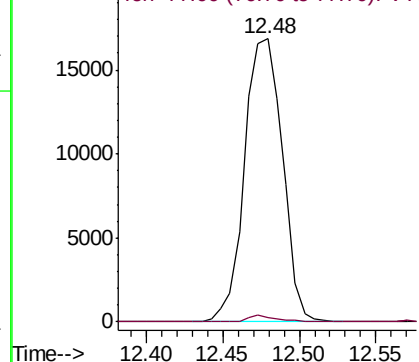
#76

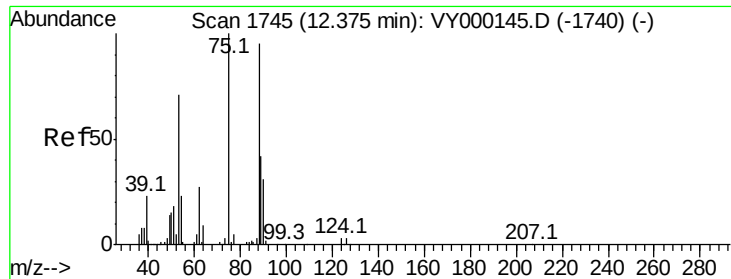
1,2,3-Trichloropropane
Concen: 49.653 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.15 min
Lab File: VY000154.D
Acq: 26 Sep 2019 15:52

Tgt Ion: 75 Resp: 29056
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 77.00 (76.70 to 77.70): VY0





#81

trans-1,4-Dichloro-2-butene

Concen: 98.951 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY000154.D

Acq: 26 Sep 2019 15:52

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 29056

Ion Ratio Lower Upper

75 100

53 0.0 61.8 92.8#

89 0.4 35.6 53.4#

