

Data File : VY001941.D
Acq On : 11 Mar 2020 14:31
Operator : SY/MD
Sample : L1893-01
Misc : 5.21G/5ML/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-1(0-1)

Quant Time: Mar 12 01:56:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	134399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	247702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	190390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	55519	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	82917	57.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.58%	
35) Dibromofluoromethane	7.74	113	76611	56.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	113.28%	
50) Toluene-d8	10.19	98	298558	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
62) 4-Bromofluorobenzene	12.49	95	68850	34.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.44%	

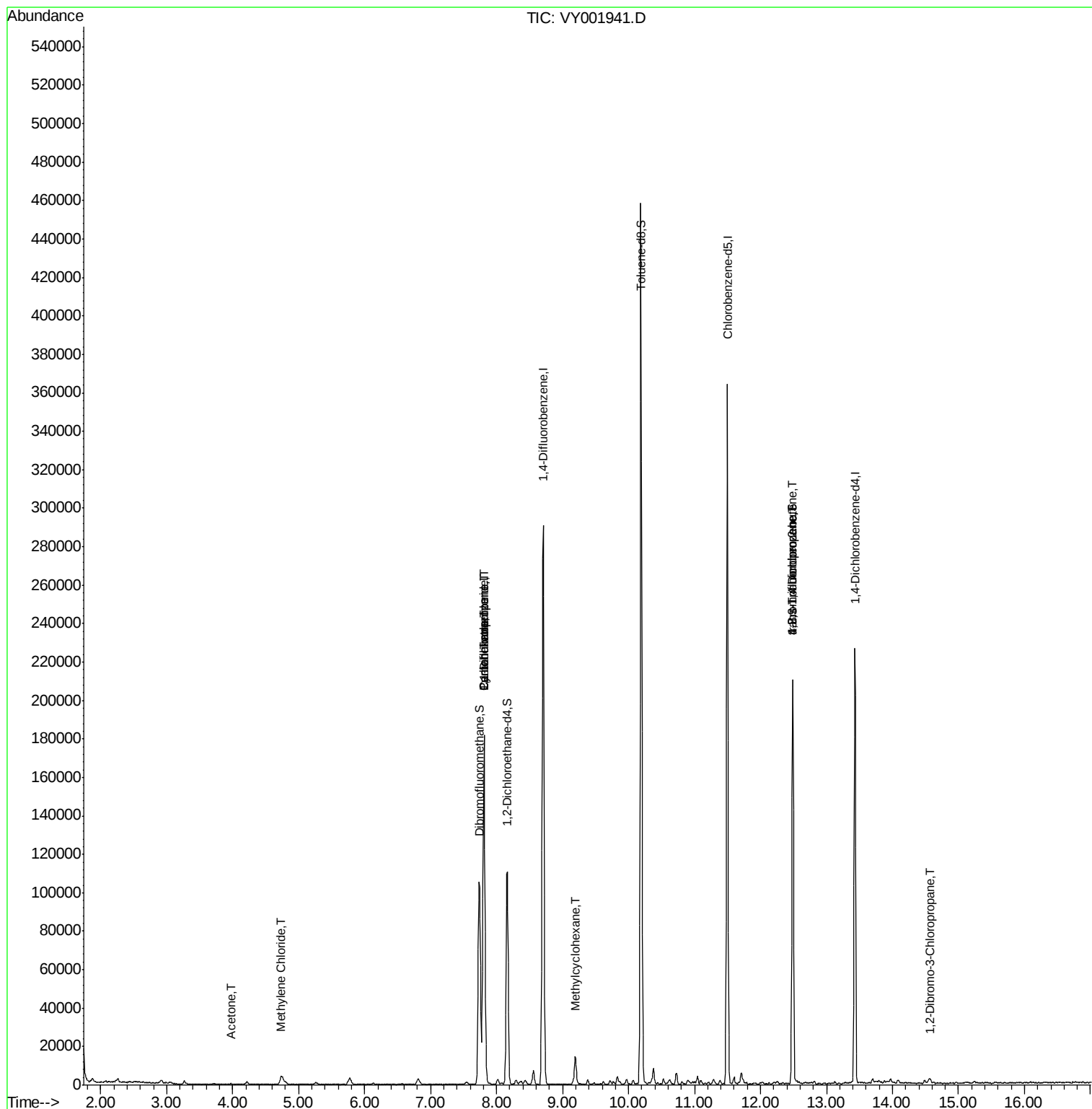
Target Compounds			Qvalue			
5) Bromomethane	2.91	94	27	Below Cal	#	4
11) Tert butyl alcohol	4.97	59	20	Below Cal	#	74
16) Acetone	3.97	43	918	2.197	ug/l	96
20) Methylene Chloride	4.74	84	3152	1.760	ug/l #	91
31) Cyclohexane	7.80	56	5969	1.893	ug/l #	49
36) 1,1-Dichloropropene	7.81	75	11234	4.713	ug/l #	50
38) Carbon Tetrachloride	7.81	117	13604	6.681	ug/l #	16
39) Methylcyclohexane	9.20	83	5993	1.896	ug/l	96
76) 1,2,3-Trichloropropane	12.49	75	35048	53.202	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	35048	107.466	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.58	75	174	1.220	ug/l #	39

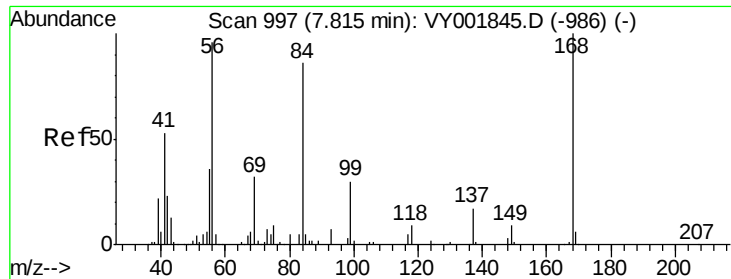
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

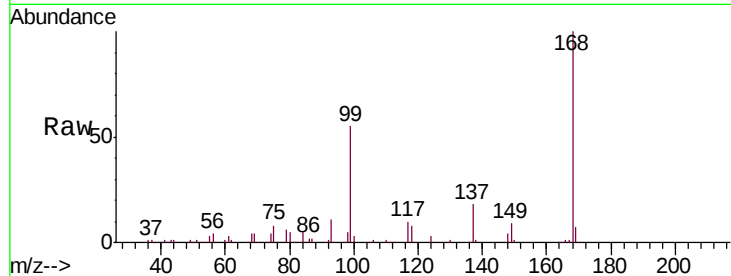
TP-1(0-1)

Tgt Ion:168 Resp: 134399

Ion Ratio Lower Upper

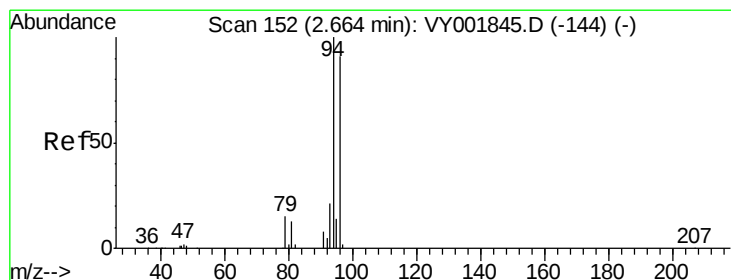
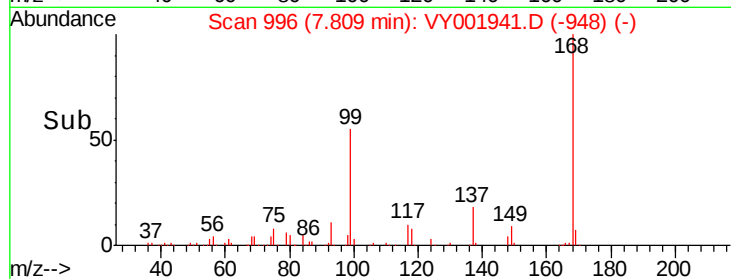
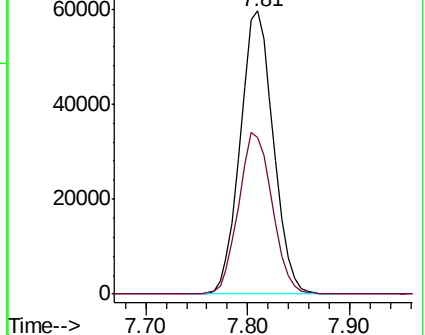
168 100

99 55.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.91 min Scan# 193

Delta R.T. 0.25 min

Lab File: VY001941.D

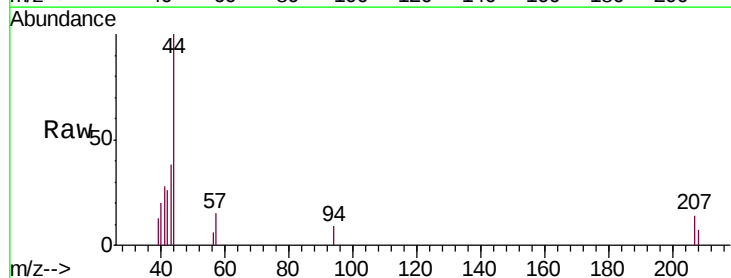
Acq: 11 Mar 2020 14:31

Tgt Ion: 94 Resp: 27

Ion Ratio Lower Upper

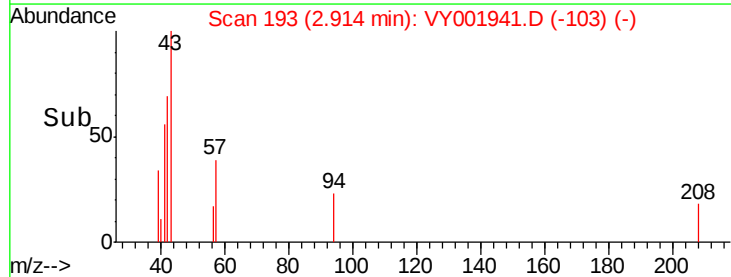
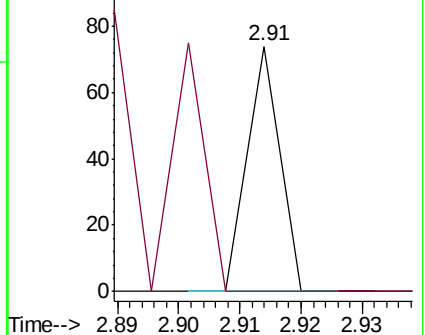
94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



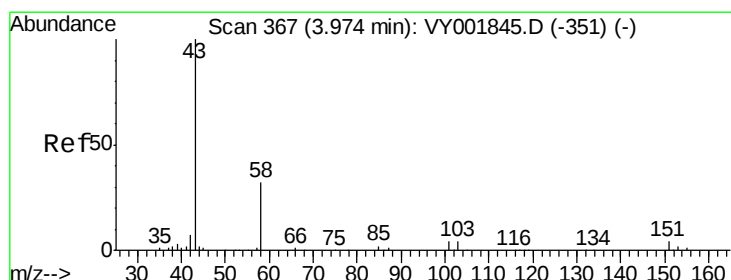
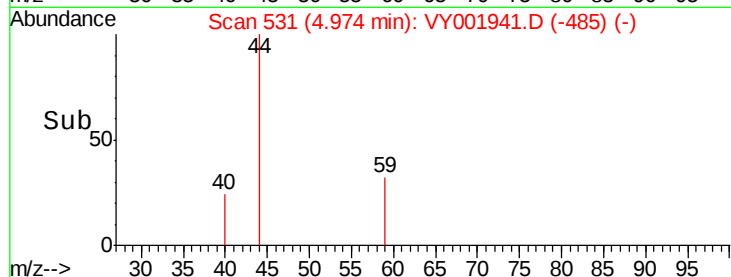
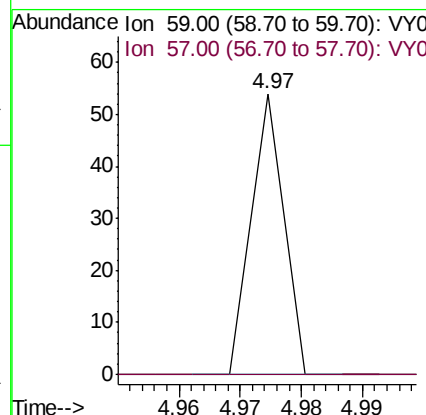
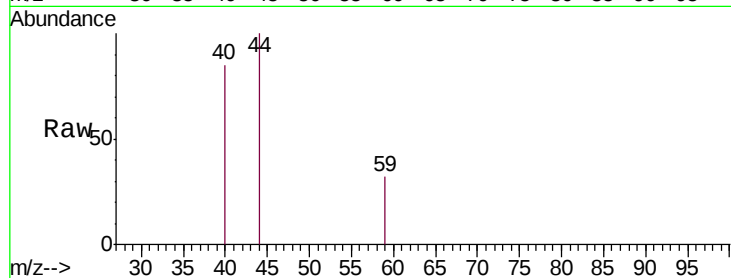


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001941.D
 Acq: 11 Mar 2020 14:31

Instrument :
 MSVOA_Y
 ClientSampled :
 TP-1(0-1)

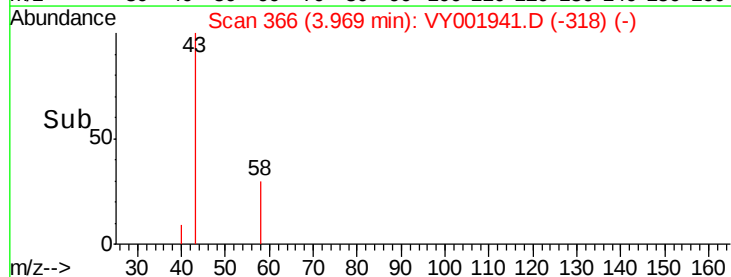
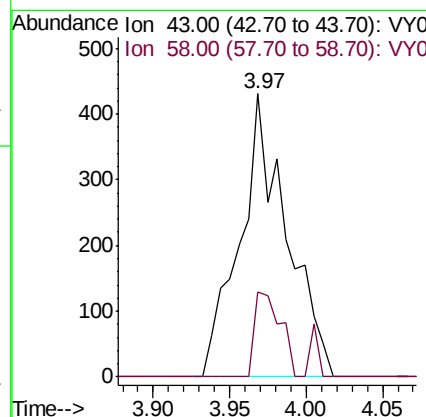
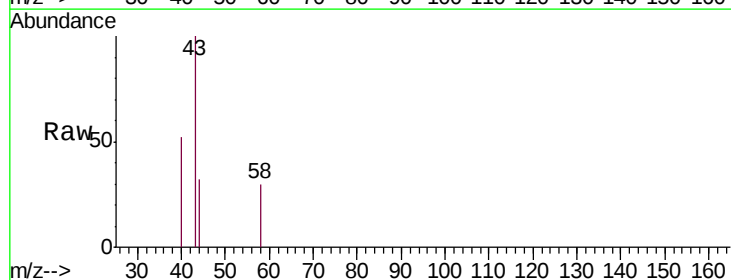
Tgt Ion: 59 Resp: 20
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

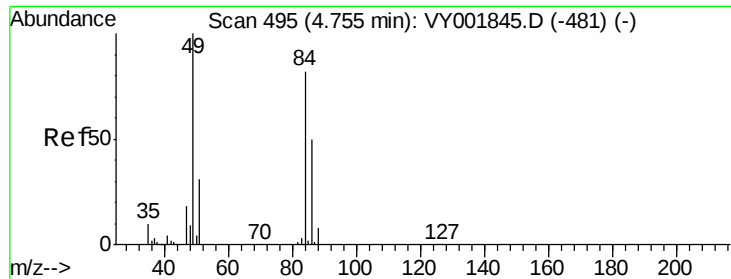


#16

Acetone
 Concen: 2.197 ug/l
 RT: 3.97 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: VY001941.D
 Acq: 11 Mar 2020 14:31

Tgt Ion: 43 Resp: 918
 Ion Ratio Lower Upper
 43 100
 58 29.9 25.9 38.9

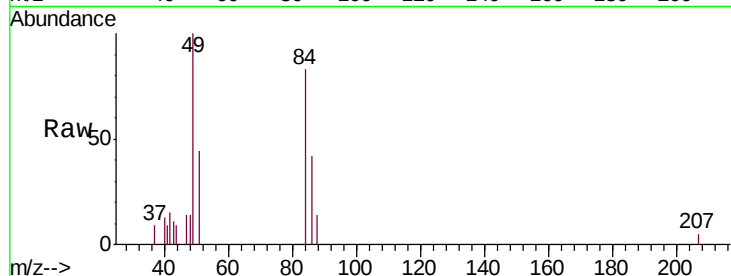




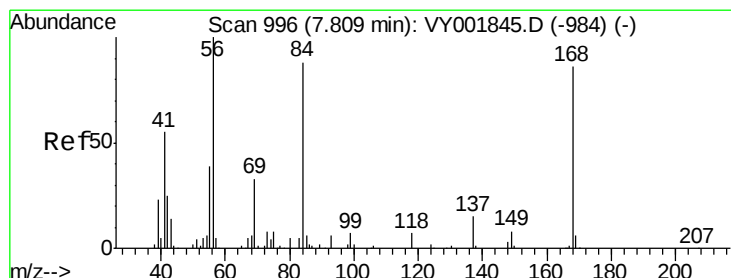
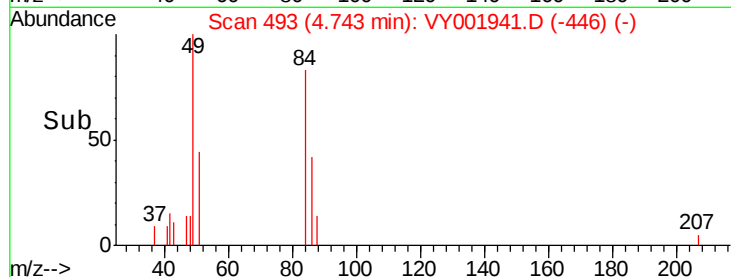
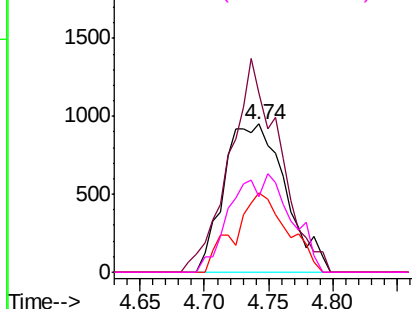
#20
Methylene Chloride
Concen: 1.760 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001941.D
Acq: 11 Mar 2020 14:31

Instrument :
MSVOA_Y
ClientSampleId :
TP-1(0-1)

Tgt Ion: 84 Resp: 3152
Ion Ratio Lower Upper
84 100
49 120.8 98.2 147.2
51 53.6 30.2 45.2#
86 51.3 48.9 73.3

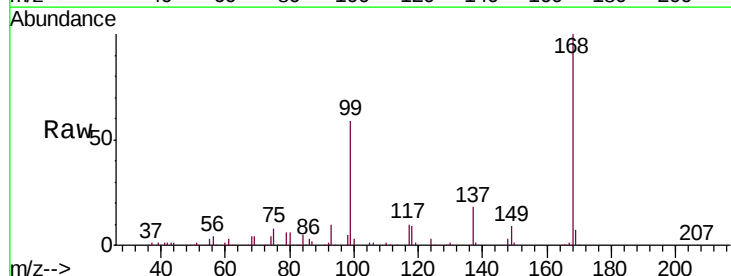


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

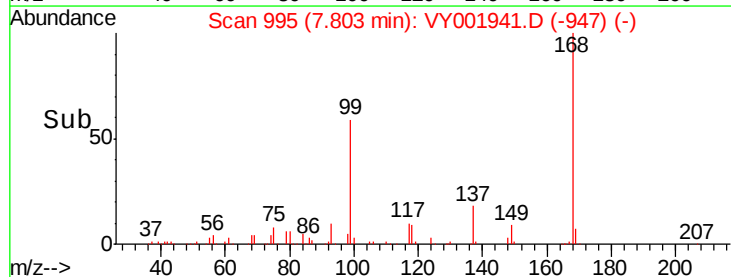
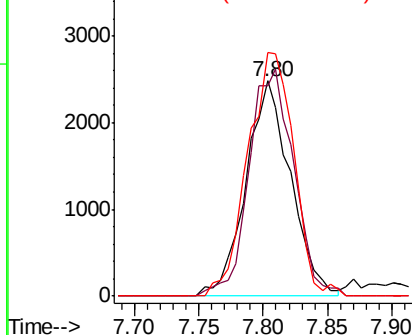


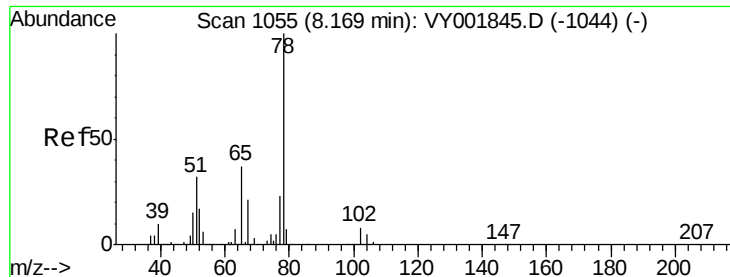
#31
Cyclohexane
Concen: 1.893 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001941.D
Acq: 11 Mar 2020 14:31

Tgt Ion: 56 Resp: 5969
Ion Ratio Lower Upper
56 100
69 97.4 26.7 40.1#
84 113.1 70.4 105.6#



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: 57.790 ug/l

RT: 8.16 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

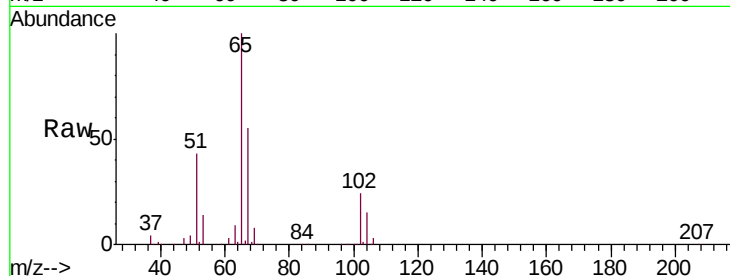
TP-1(0-1)

Tgt Ion: 65 Resp: 82917

Ion Ratio Lower Upper

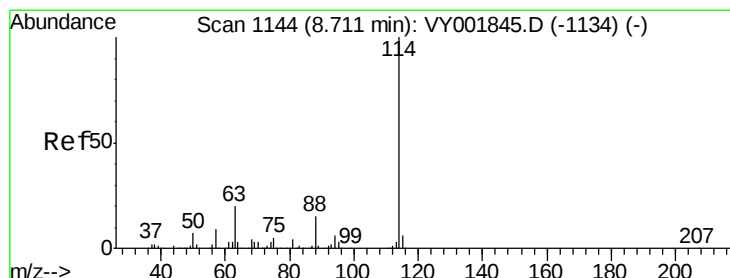
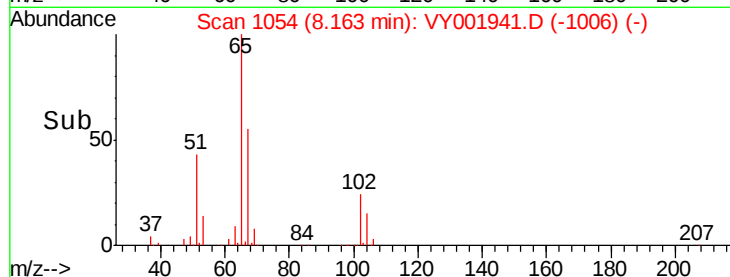
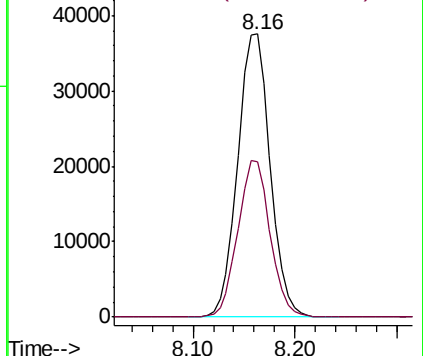
65 100

67 54.9 0.0 110.8



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: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

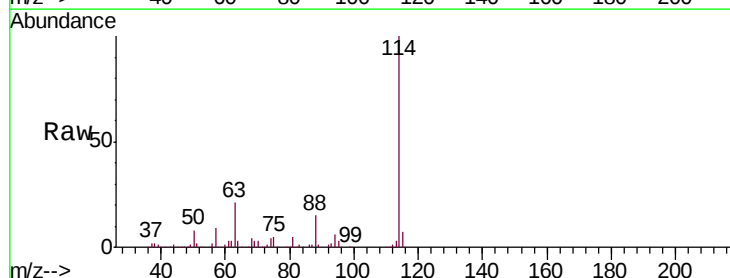
Tgt Ion: 114 Resp: 247702

Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.4

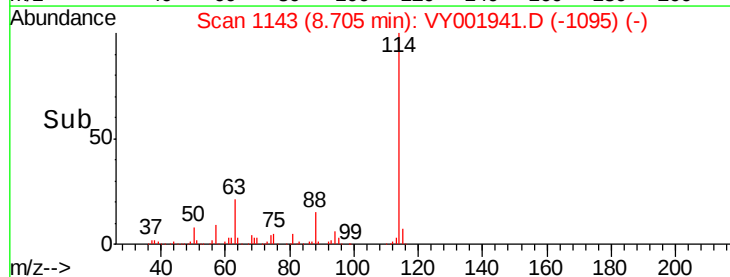
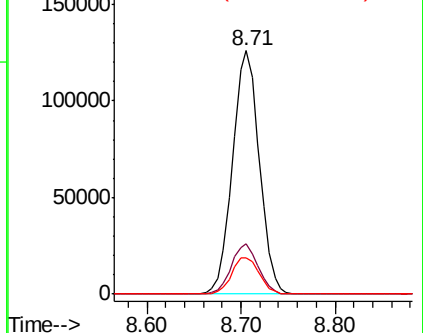
88 15.1 0.0 30.4

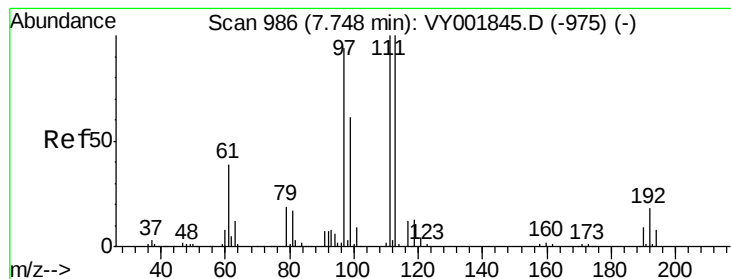


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 56.641 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

TP-1(0-1)

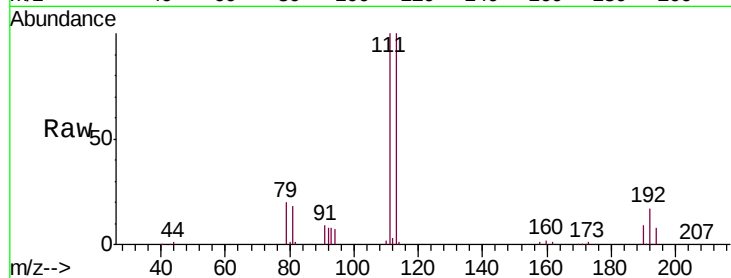
Tgt Ion:113 Resp: 76611

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

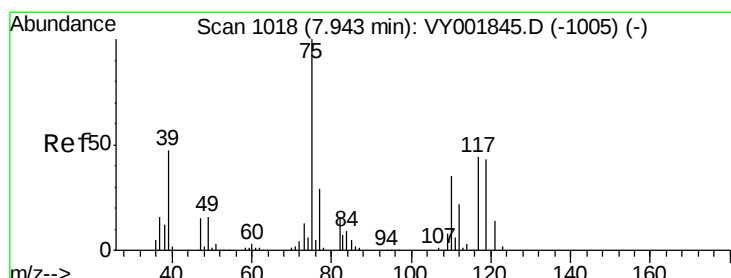
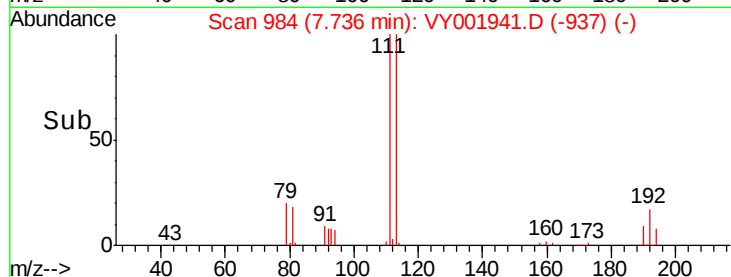
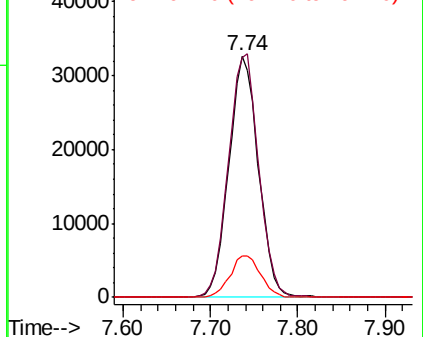
192 17.8 14.2 21.2



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: 4.713 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.13 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

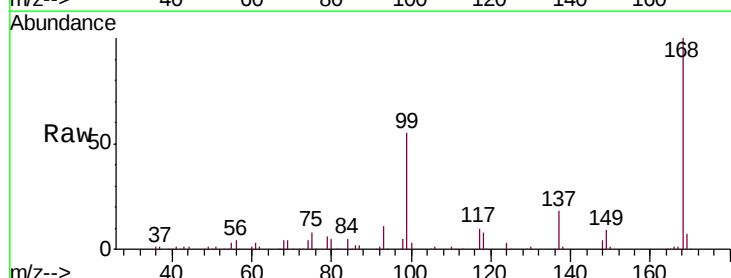
Tgt Ion: 75 Resp: 11234

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.2#

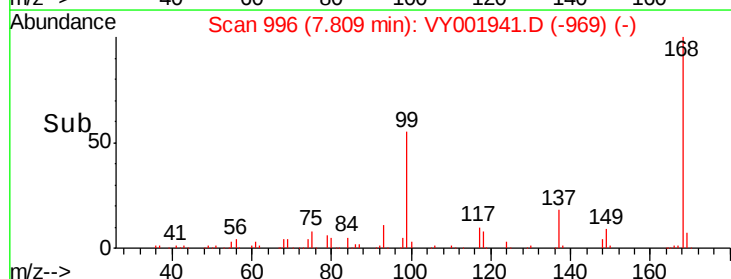
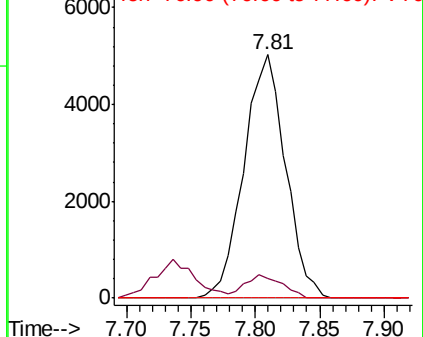
77 0.0 24.2 36.2#

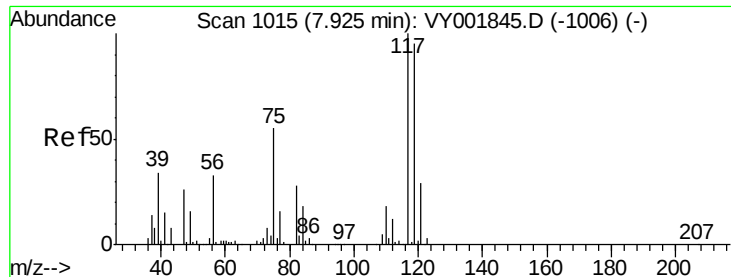


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#38

Carbon Tetrachloride

Concen: 6.681 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

TP-1(0-1)

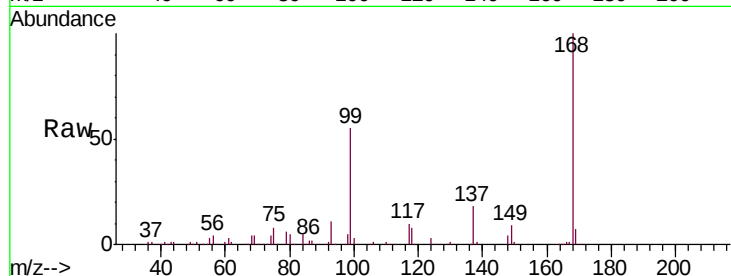
Tgt Ion:117 Resp: 13604

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

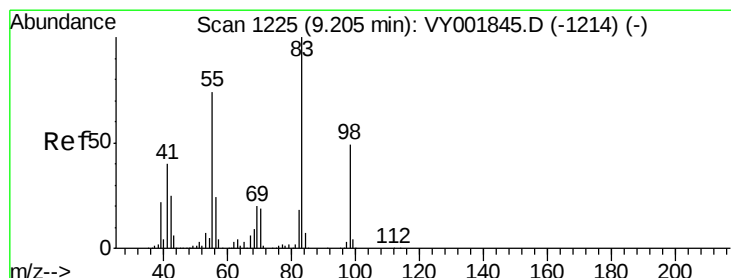
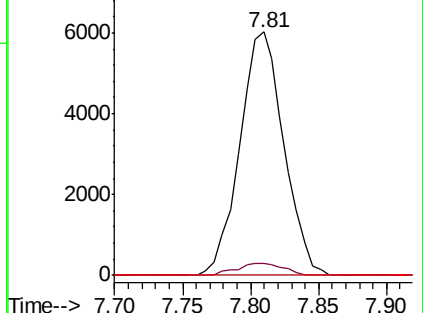
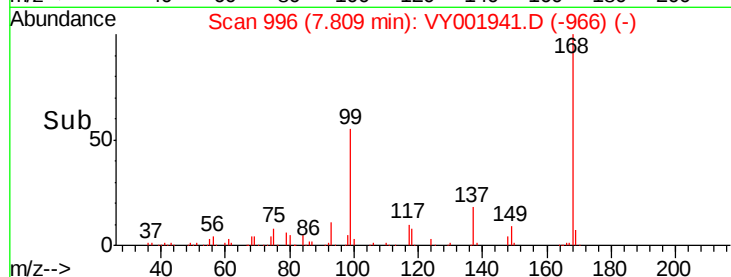
121 0.0 23.5 35.3#



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



#39

Methylcyclohexane

Concen: 1.896 ug/l

RT: 9.20 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

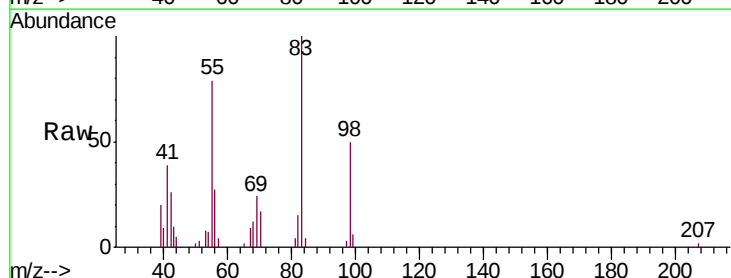
Tgt Ion: 83 Resp: 5993

Ion Ratio Lower Upper

83 100

55 79.0 59.4 89.0

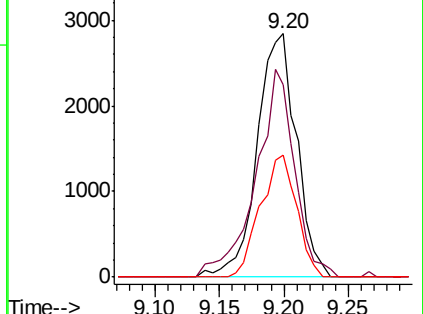
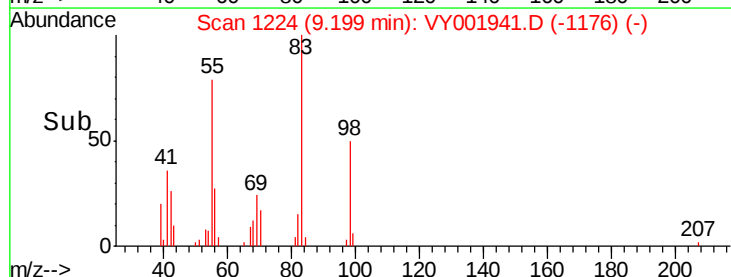
98 50.2 38.9 58.3

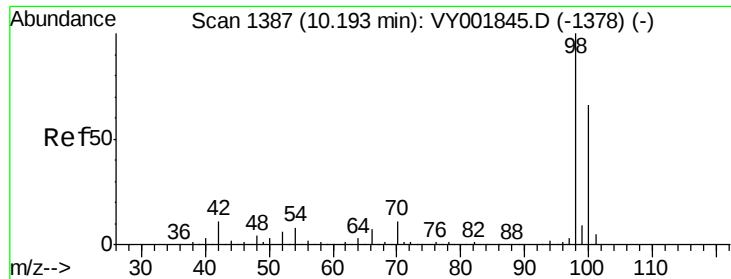


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#50

Toluene-d8

Concen: 52.346 ug/l

RT: 10.19 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

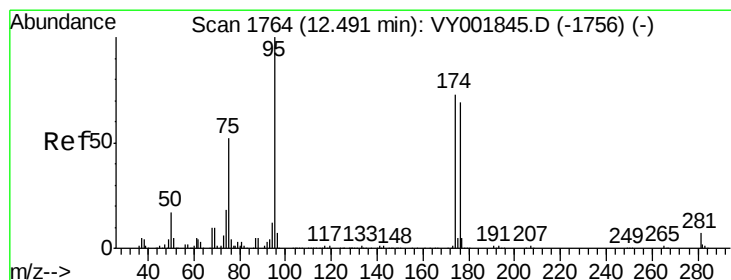
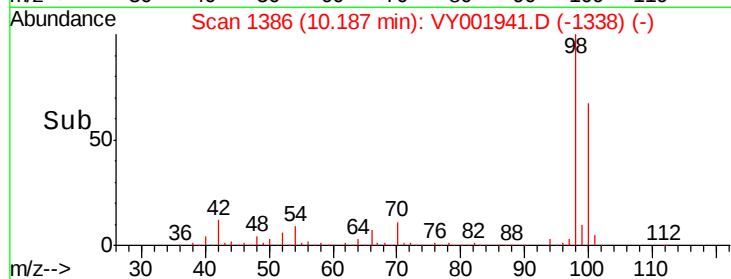
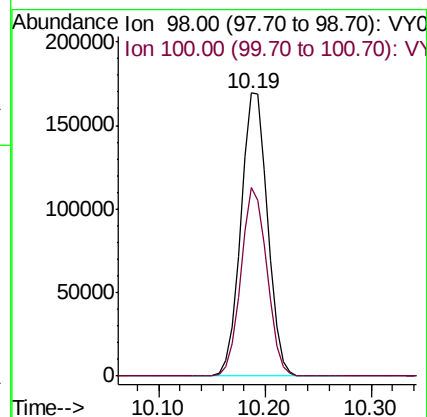
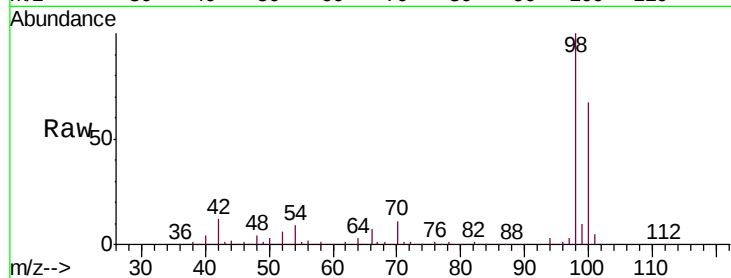
TP-1(0-1)

Tgt Ion: 98 Resp: 298558

Ion Ratio Lower Upper

98 100

100 64.8 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 34.717 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

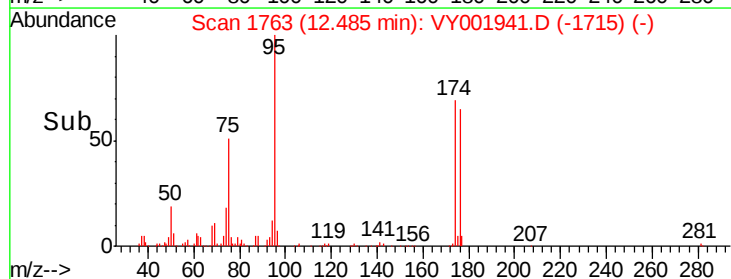
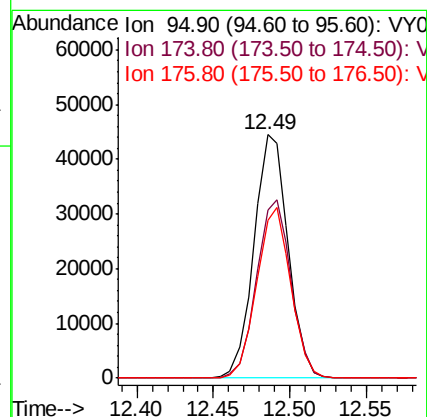
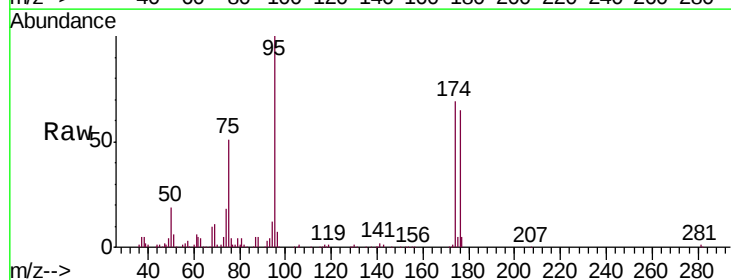
Tgt Ion: 95 Resp: 68850

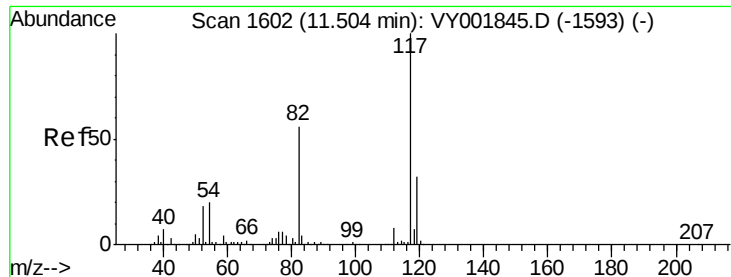
Ion Ratio Lower Upper

95 100

174 74.0 0.0 145.0

176 70.2 0.0 137.4

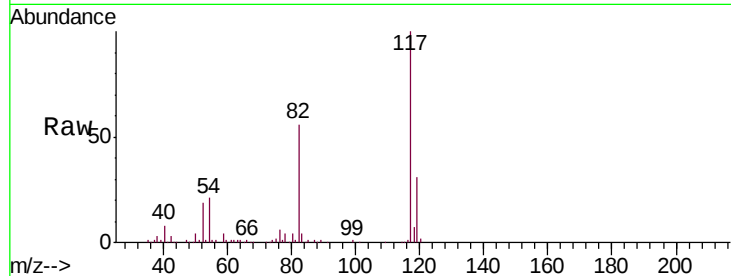




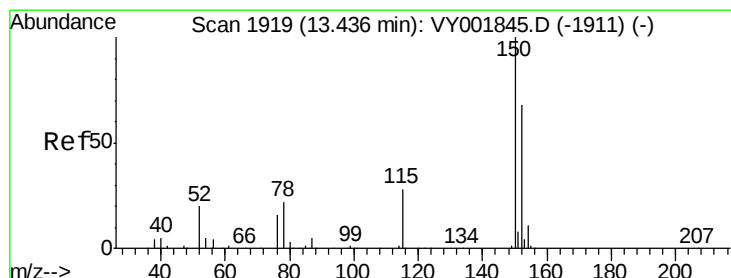
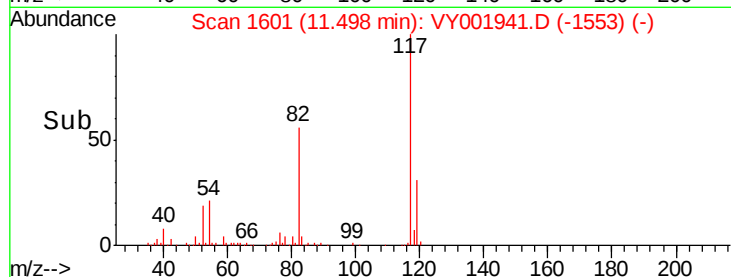
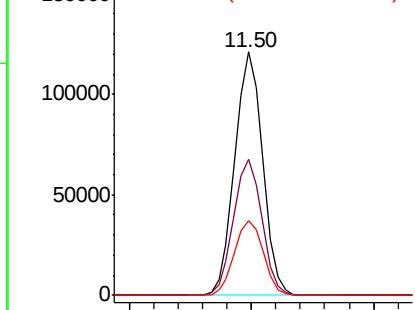
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001941.D
Acq: 11 Mar 2020 14:31

Instrument :
MSVOA_Y
ClientSampleId :
TP-1(0-1)

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.5	66.7
119	30.8	25.7	38.5

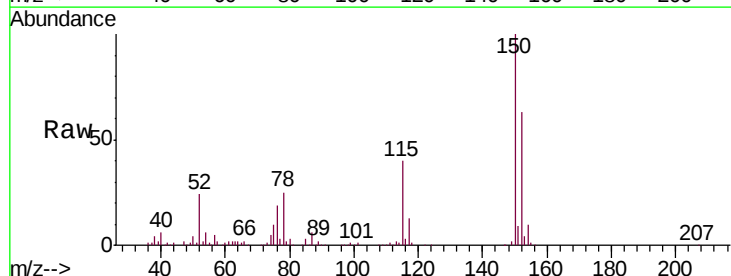


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

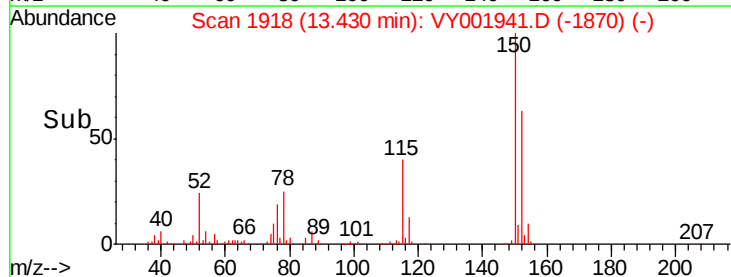
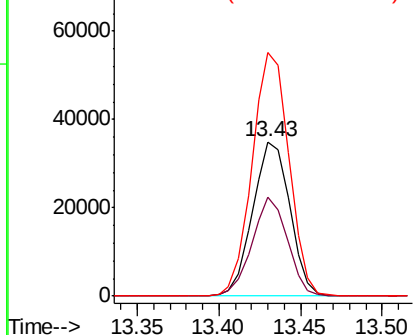


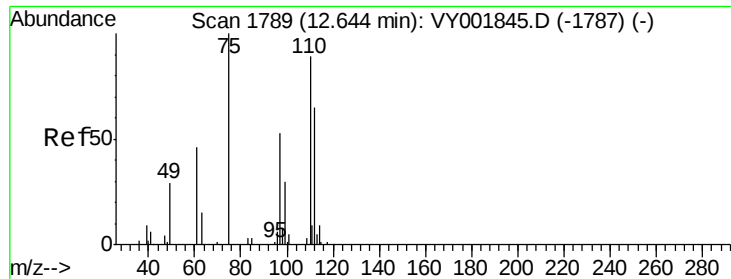
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001941.D
Acq: 11 Mar 2020 14:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.9	89.7
150	156.2	0.0	340.6



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: 53.202 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. -0.16 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA_Y

ClientSampled :

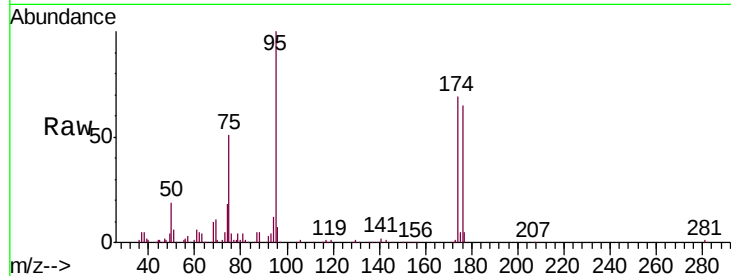
TP-1(0-1)

Tgt Ion: 75 Resp: 35048

Ion Ratio Lower Upper

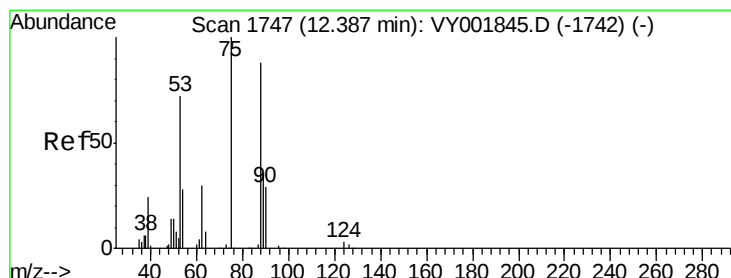
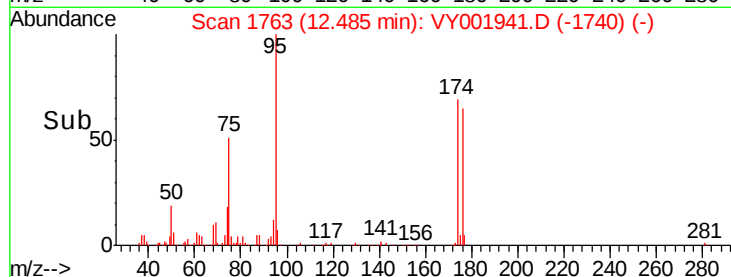
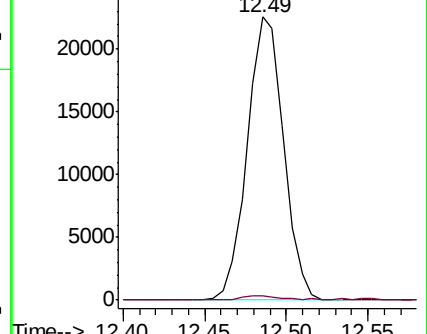
75 100

77 1.7 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: 107.466 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

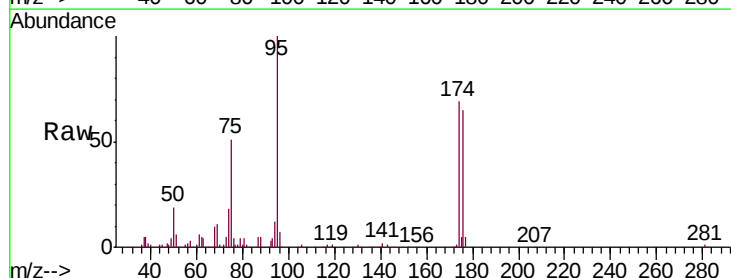
Tgt Ion: 75 Resp: 35048

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

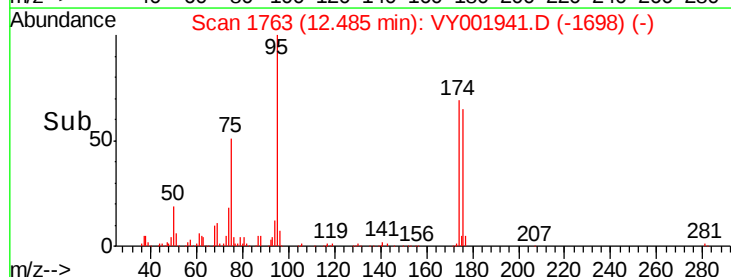
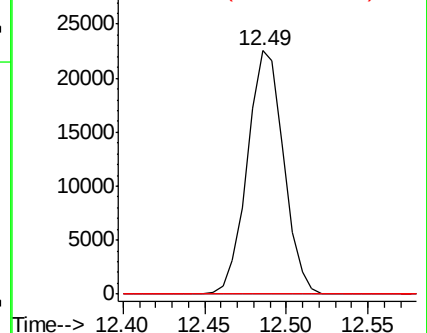
89 0.1 36.0 54.0#

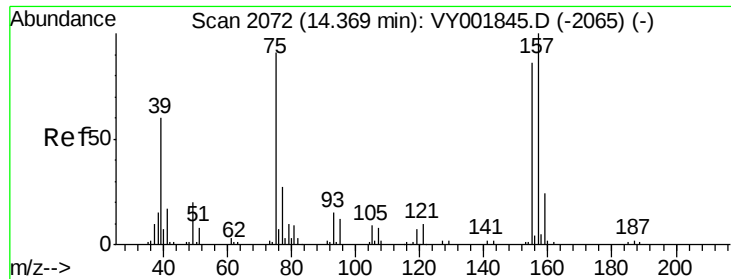


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.220 ug/l

RT: 14.58 min Scan# 2106

Delta R.T. 0.21 min

Lab File: VY001941.D

Acq: 11 Mar 2020 14:31

Instrument :

MSVOA_Y

ClientSampleId :

TP-1(0-1)

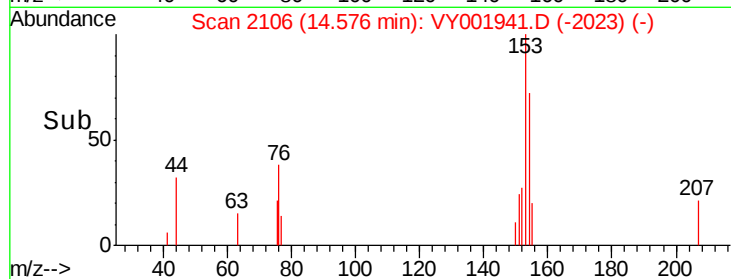
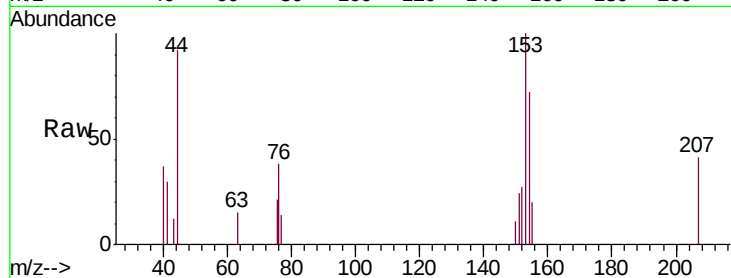
Tgt Ion: 75 Resp: 174

Ion Ratio Lower Upper

75 100

155 95.4 42.9 128.7

157 0.0 53.1 159.4#



Abundance Ion 74.90 (74.60 to 75.60): VY0

200 Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

150

100

50

0

14.55 14.58 14.60

Time-->