

Data File : VY001975.D
Acq On : 16 Mar 2020 12:16
Operator : SY/MD
Sample : L1942-01
Misc : 7.29G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-10(3-4)

Quant Time: Mar 17 08:04:26 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	7.82	168	149854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	292876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	259366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	111664	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	89832	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
35) Dibromofluoromethane	7.75	113	83315	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.20	98	351244	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	12.50	95	116959	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

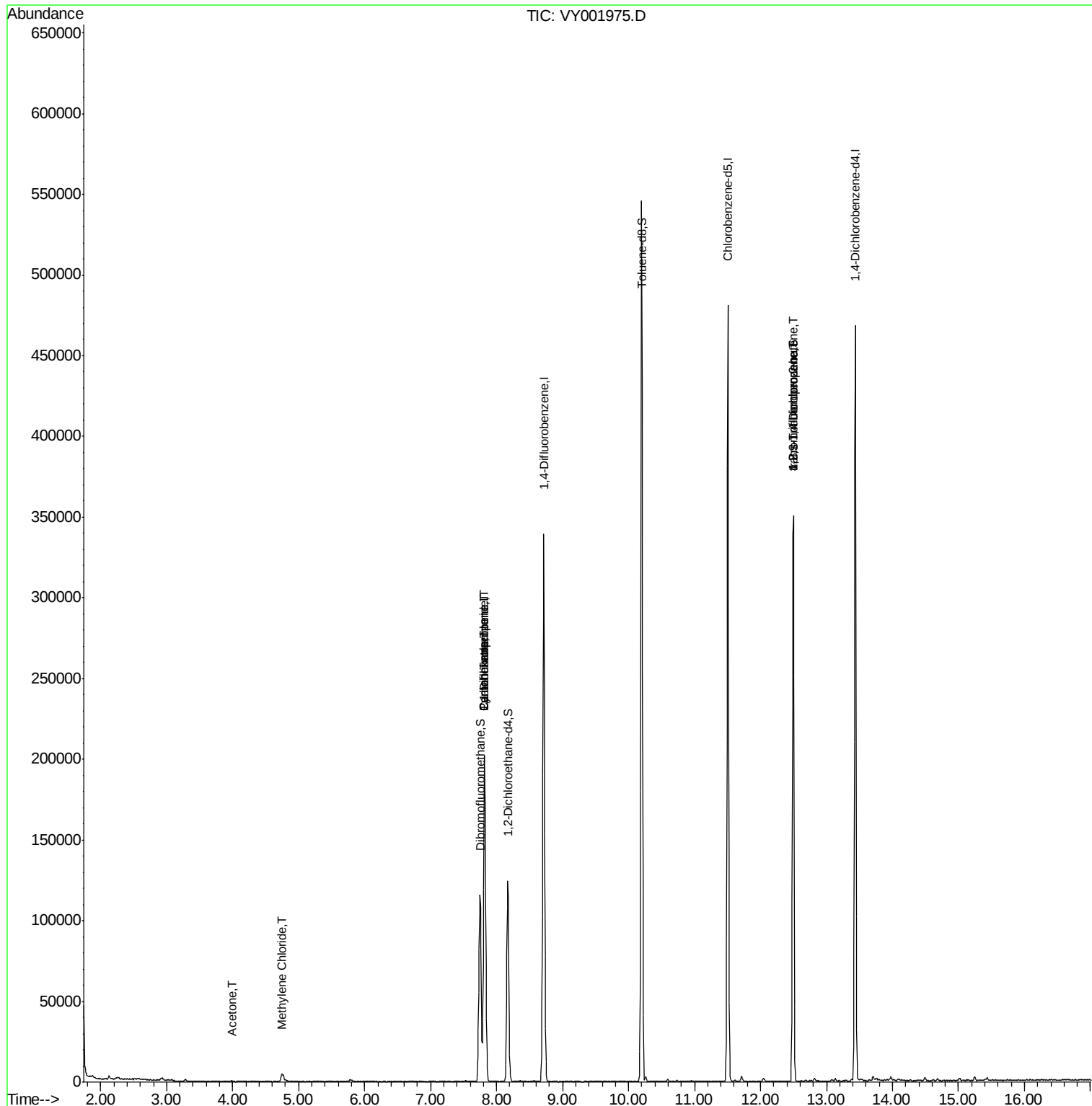
Target Compounds			Qvalue			
5) Bromomethane	2.68	94	98	Below Cal	#	59
11) Tert butyl alcohol	5.01	59	40	Below Cal	#	74
16) Acetone	3.99	43	982	2.107	ug/l #	88
20) Methylene Chloride	4.75	84	3563	1.784	ug/l	91
31) Cyclohexane	7.82	56	3522	1.002	ug/l #	1
36) 1,1-Dichloropropene	7.82	75	12777	4.533	ug/l #	49
38) Carbon Tetrachloride	7.82	117	15443	6.414	ug/l #	15
76) 1,2,3-Trichloropropane	12.50	75	58135	43.877	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	58135	88.628	ug/l #	17

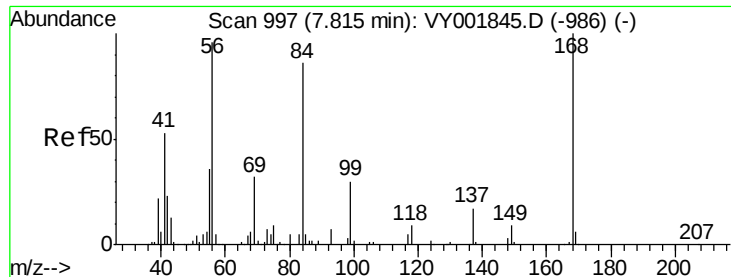
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY001975.D

Acq: 16 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

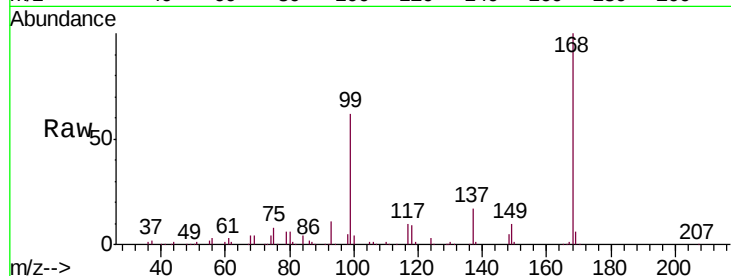
TP-10(3-4)

Tgt Ion:168 Resp: 149854

Ion Ratio Lower Upper

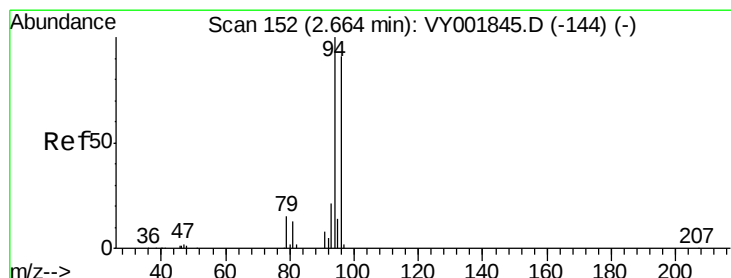
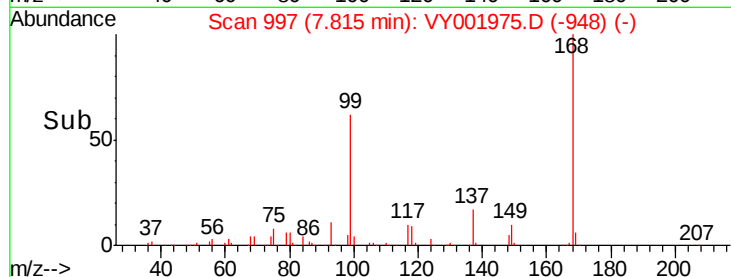
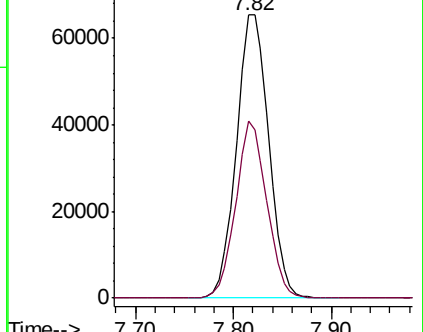
168 100

99 62.5 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: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY001975.D

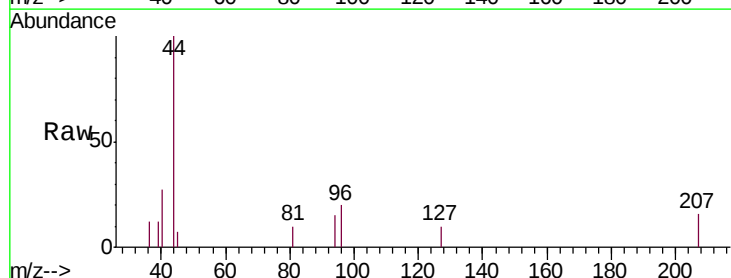
Acq: 16 Mar 2020 12:16

Tgt Ion: 94 Resp: 98

Ion Ratio Lower Upper

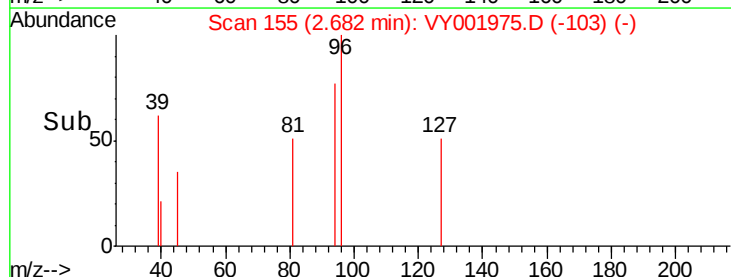
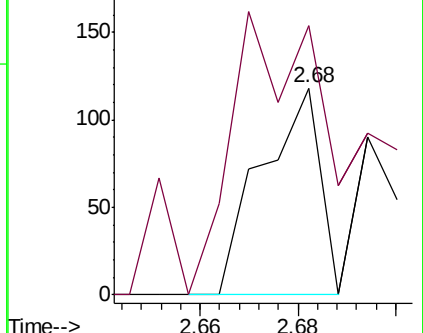
94 100

96 130.5 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) (-)



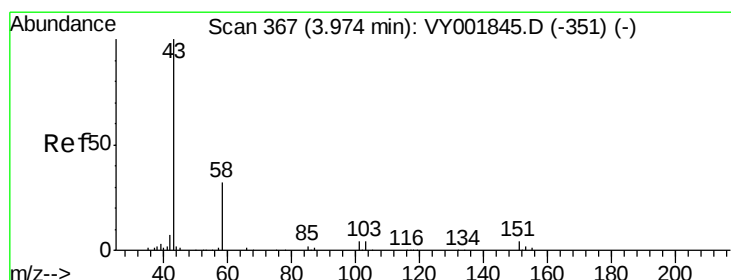
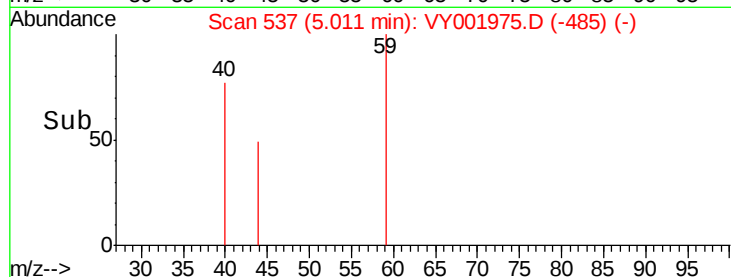
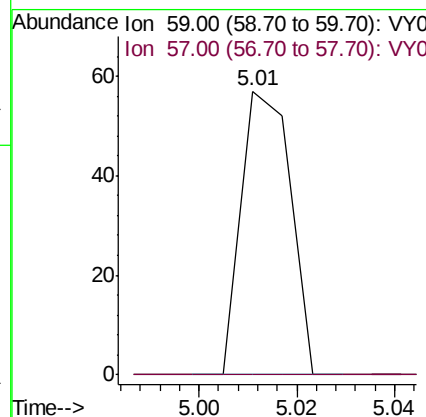
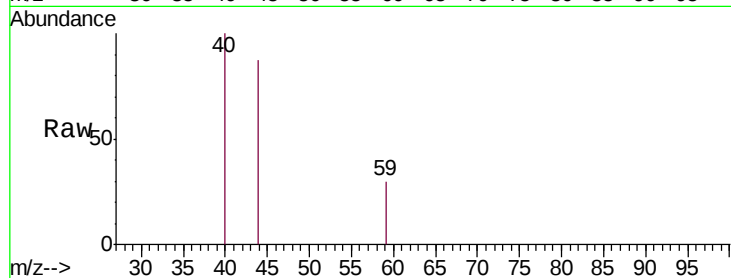


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.01 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VY001975.D
 Acq: 16 Mar 2020 12:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-10(3-4)

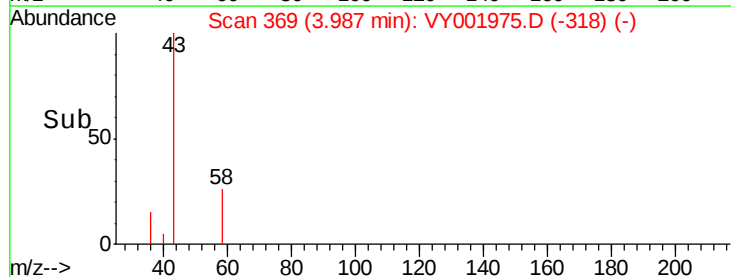
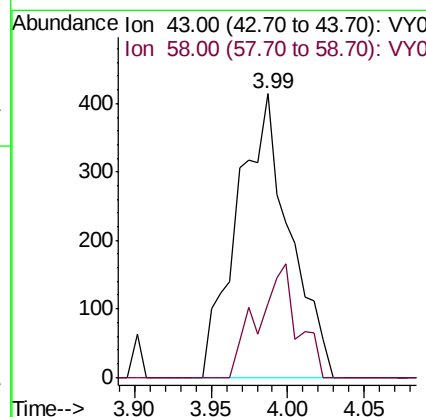
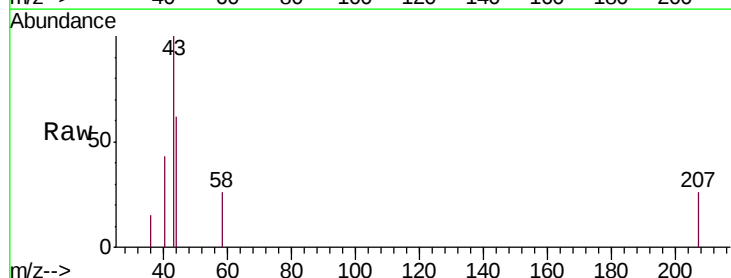
Tgt Ion: 59 Resp: 40
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

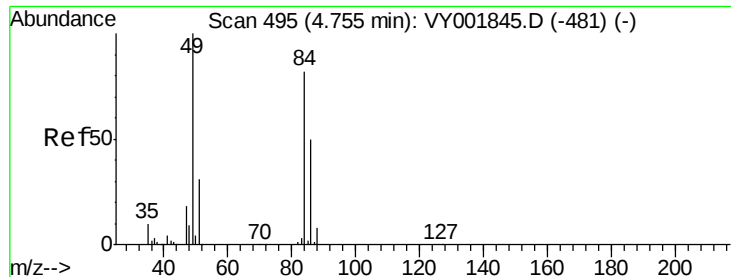


#16

Acetone
 Concen: 2.107 ug/l
 RT: 3.99 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VY001975.D
 Acq: 16 Mar 2020 12:16

Tgt Ion: 43 Resp: 982
 Ion Ratio Lower Upper
 43 100
 58 25.8 25.9 38.9#

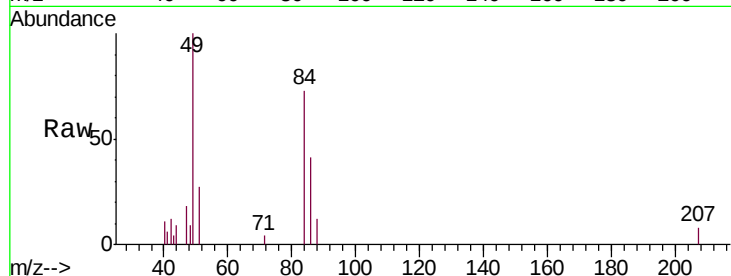




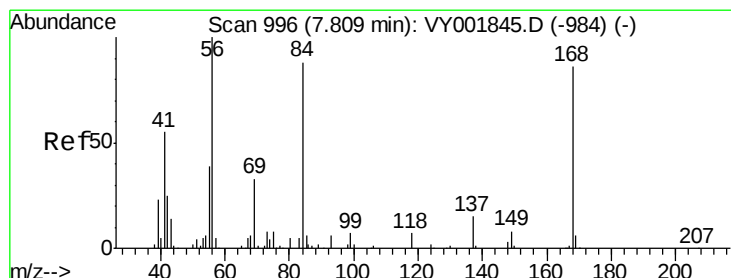
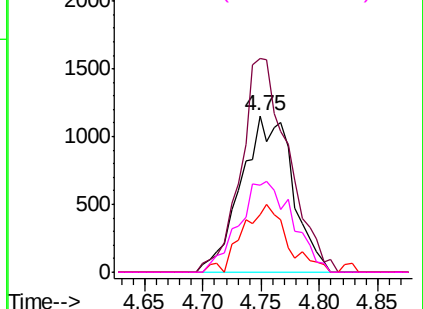
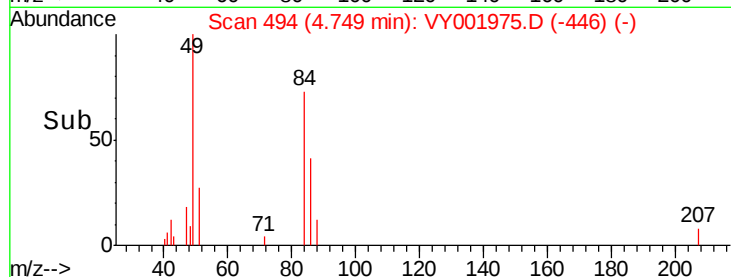
#20
Methylene Chloride
Concen: 1.784 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY001975.D
Acq: 16 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
TP-10(3-4)

Tgt Ion: 84 Resp: 3563
Ion Ratio Lower Upper
84 100
49 136.6 98.2 147.2
51 36.9 30.2 45.2
86 55.4 48.9 73.3

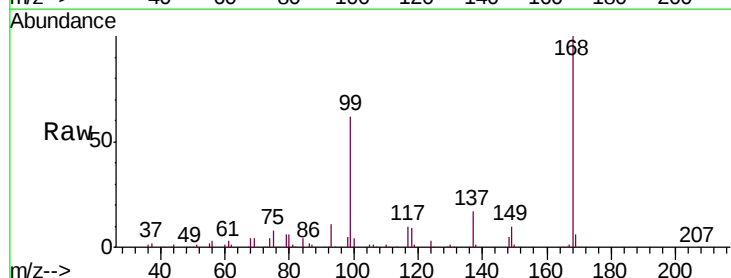


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

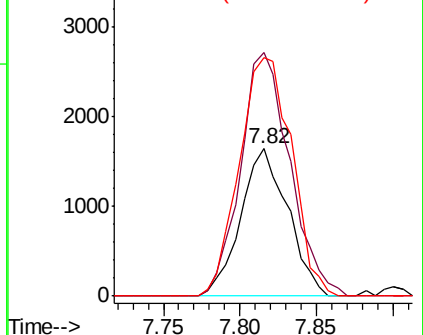
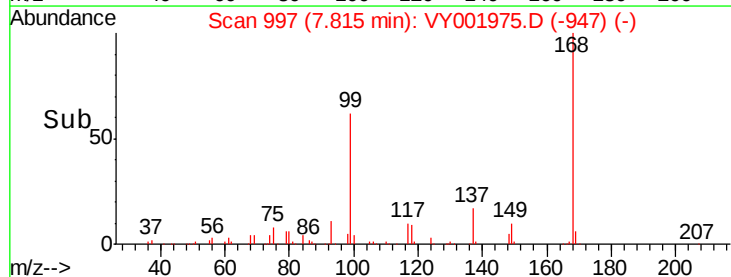


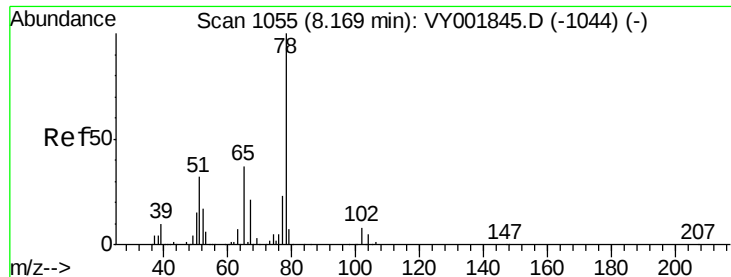
#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY001975.D
Acq: 16 Mar 2020 12:16

Tgt Ion: 56 Resp: 3522
Ion Ratio Lower Upper
56 100
69 165.4 26.7 40.1#
84 162.1 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

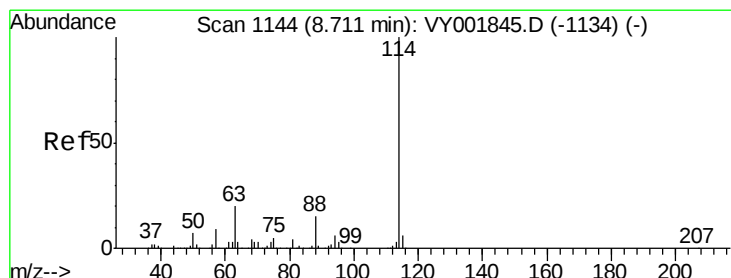
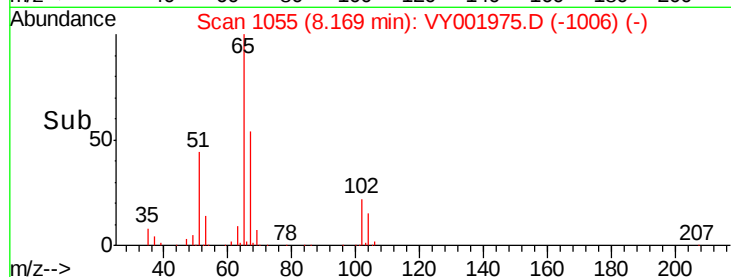
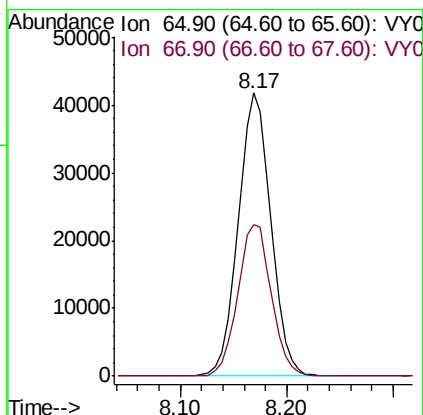
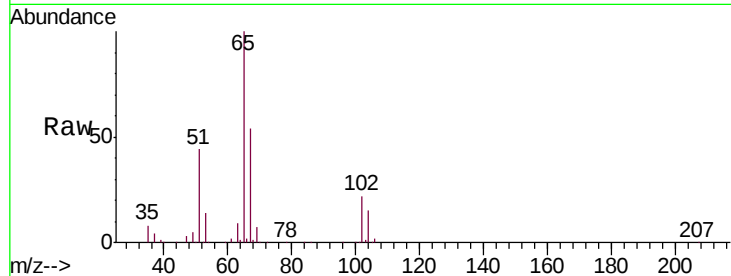




#33
 1,2-Dichloroethane-d4
 Concen: 56.152 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001975.D
 Acq: 16 Mar 2020 12:16

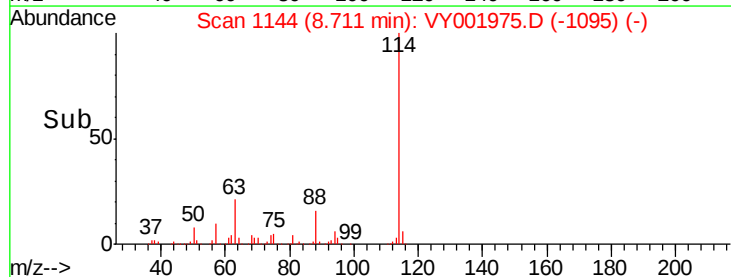
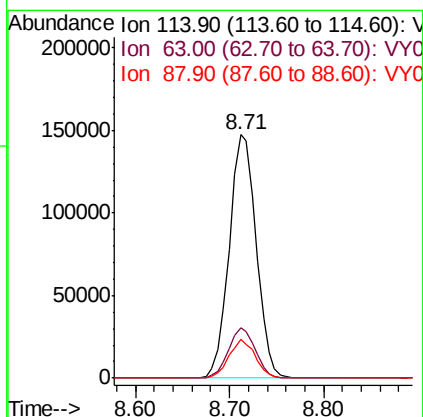
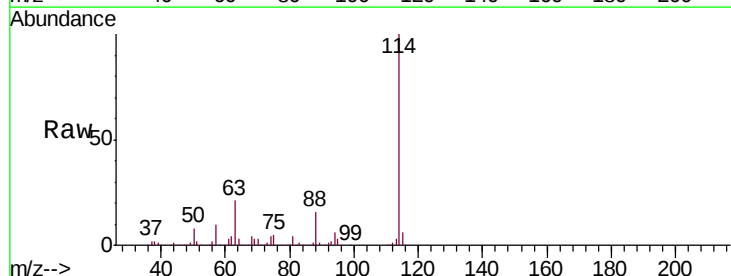
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-10(3-4)

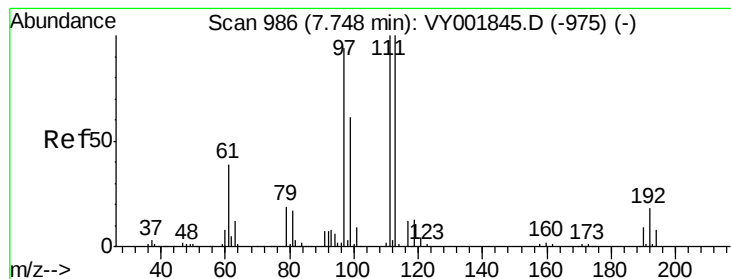
Tgt Ion: 65 Resp: 89832
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001975.D
 Acq: 16 Mar 2020 12:16

Tgt Ion: 114 Resp: 292876
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.4
 88 15.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.097 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001975.D

Acq: 16 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-10(3-4)

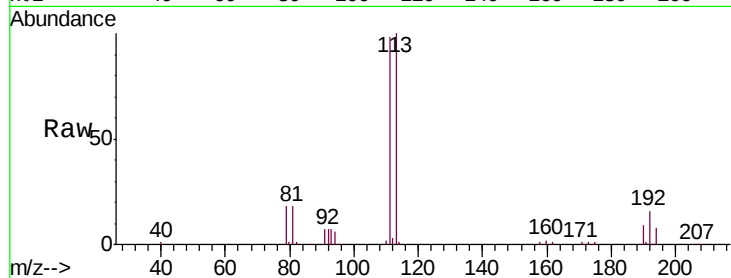
Tgt Ion:113 Resp: 83315

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

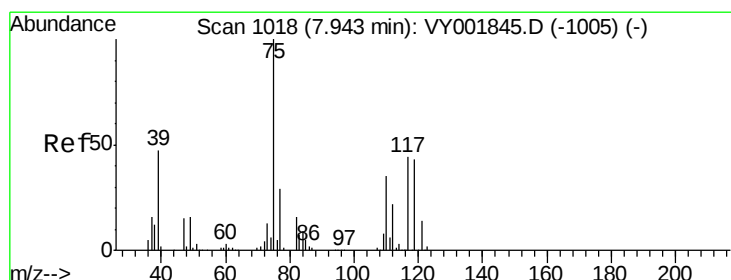
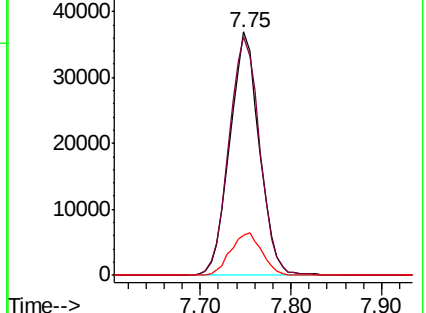
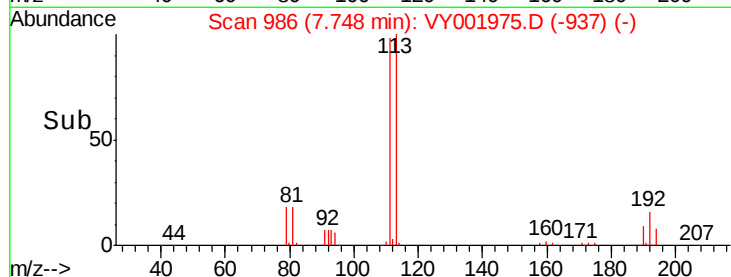
192 18.4 14.2 21.2



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: 4.533 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.13 min

Lab File: VY001975.D

Acq: 16 Mar 2020 12:16

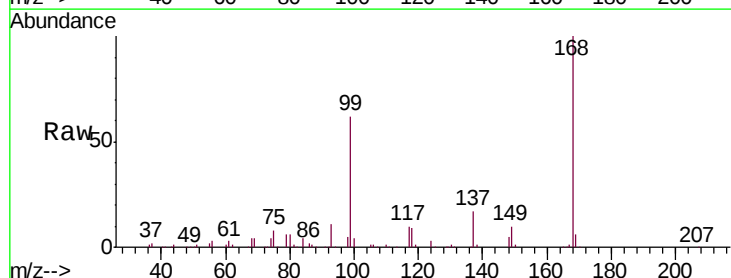
Tgt Ion: 75 Resp: 12777

Ion Ratio Lower Upper

75 100

110 7.7 17.4 52.2#

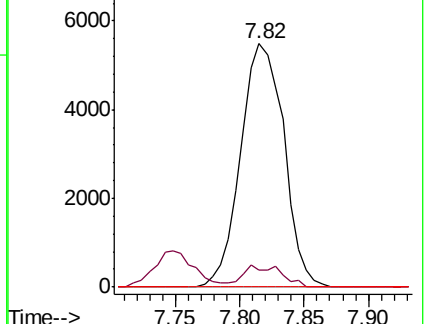
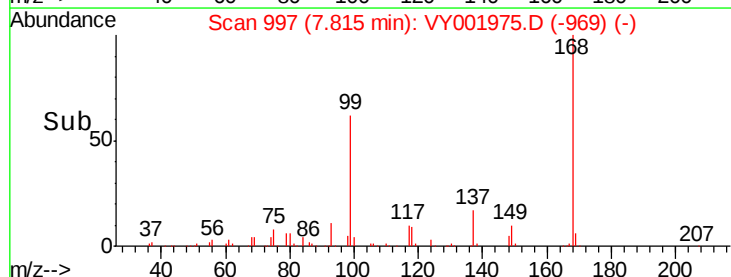
77 0.0 24.2 36.2#

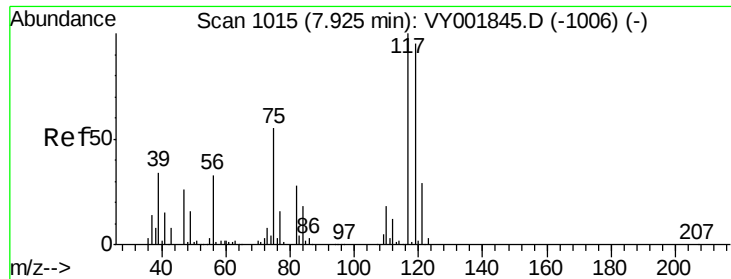


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

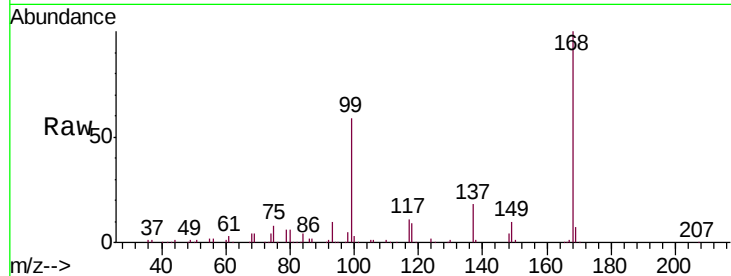




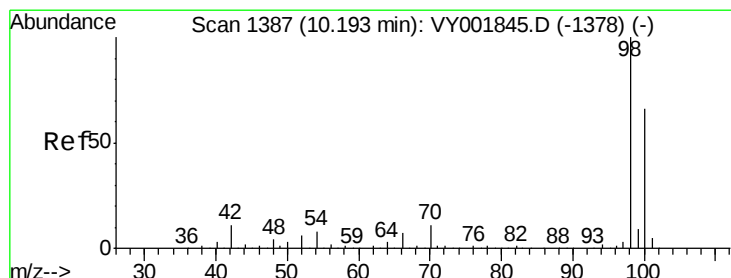
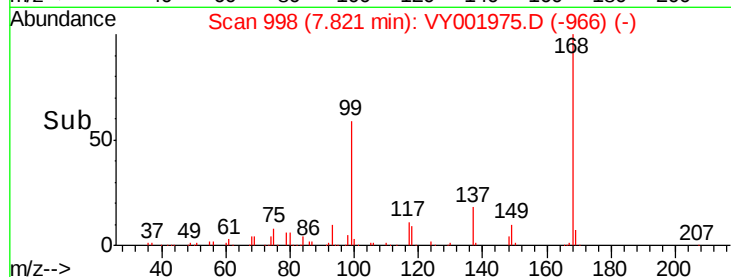
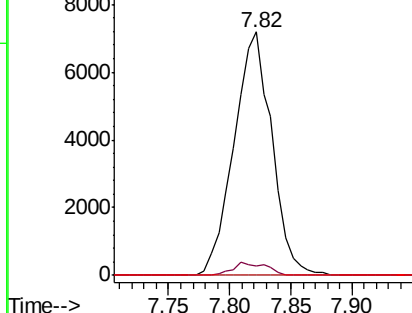
#38
Carbon Tetrachloride
Concen: 6.414 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY001975.D
Acq: 16 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
TP-10(3-4)

Tgt Ion:117 Resp: 15443
Ion Ratio Lower Upper
117 100
119 3.6 76.3 114.5#
121 0.0 23.5 35.3#

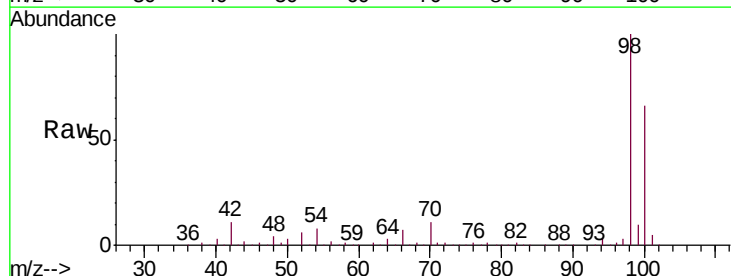


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

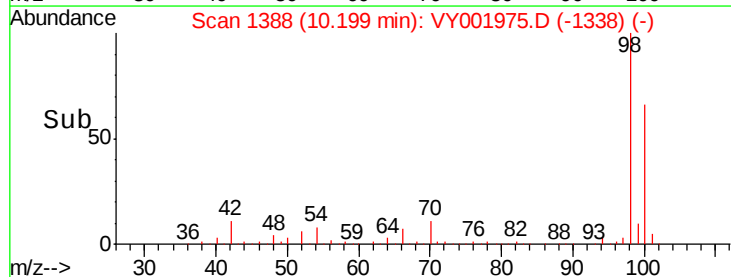
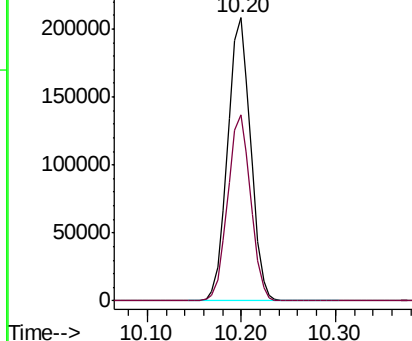


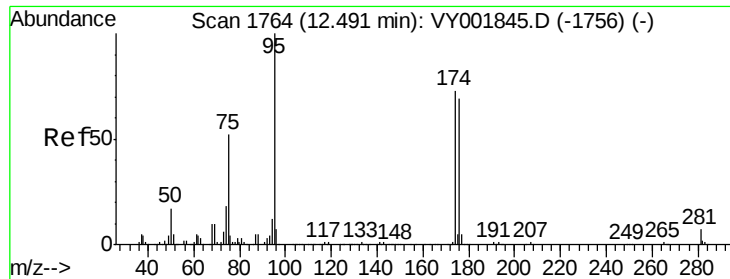
#50
Toluene-d8
Concen: 52.085 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001975.D
Acq: 16 Mar 2020 12:16

Tgt Ion: 98 Resp: 351244
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



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

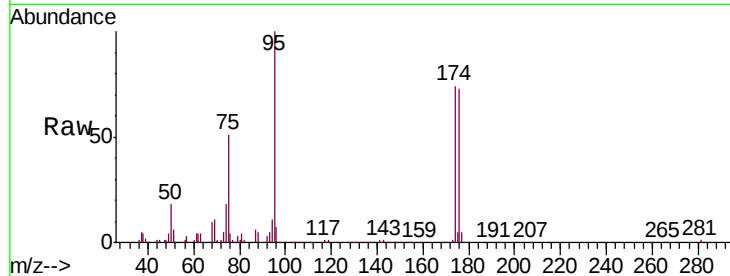




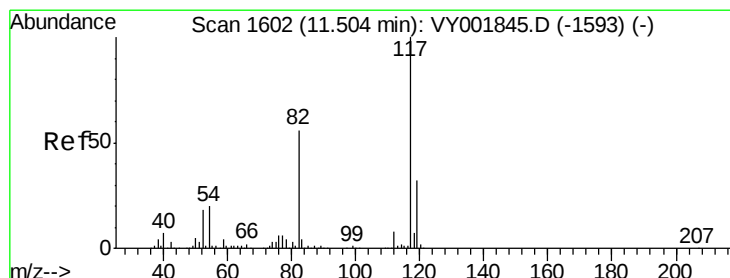
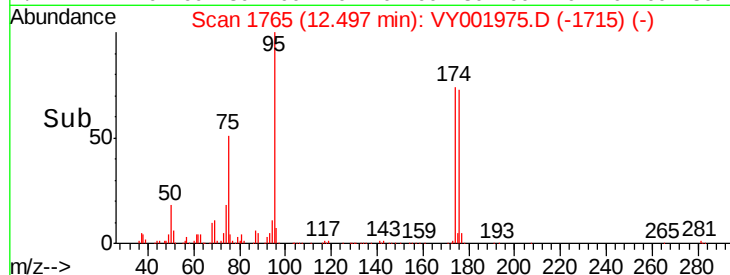
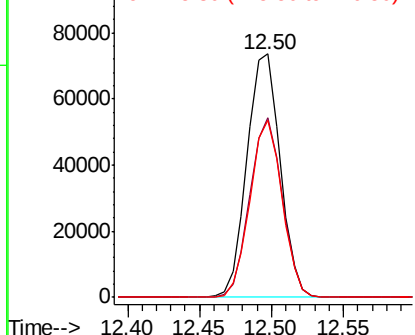
#62
4-Bromofluorobenzene
Concen: 49.879 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY001975.D
Acq: 16 Mar 2020 12:16

Instrument :
MSVOA_Y
ClientSampleId :
TP-10(3-4)

Tgt Ion: 95 Resp: 116959
Ion Ratio Lower Upper
95 100
174 72.1 0.0 145.0
176 70.4 0.0 137.4

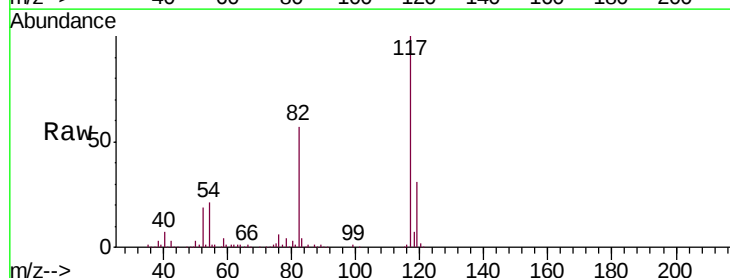


Abundance Ion 94.90 (94.60 to 95.60): VY0
Ion 173.80 (173.50 to 174.50): VY0
Ion 175.80 (175.50 to 176.50): VY0

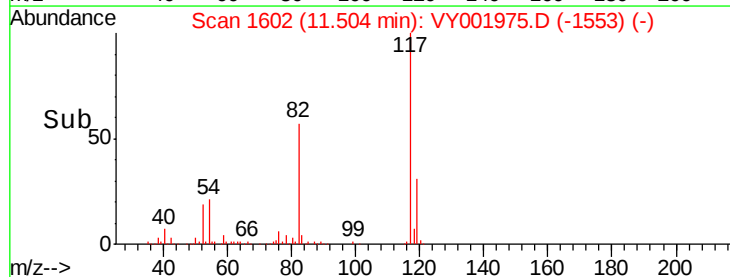
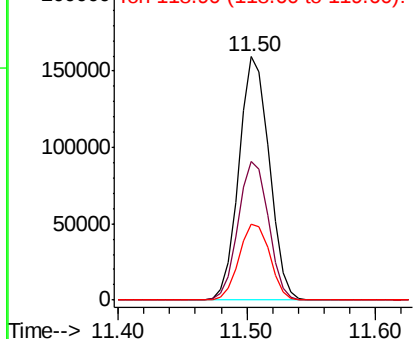


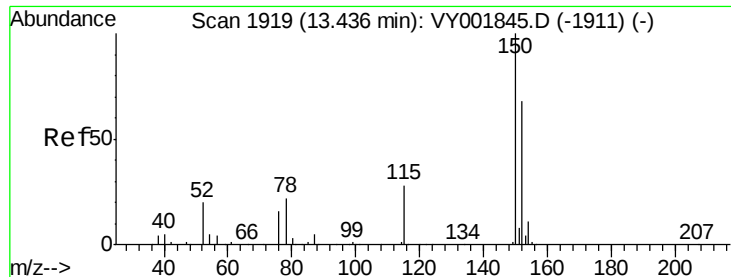
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001975.D
Acq: 16 Mar 2020 12:16

Tgt Ion: 117 Resp: 259366
Ion Ratio Lower Upper
117 100
82 57.0 44.5 66.7
119 31.3 25.7 38.5



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: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001975.D

Acq: 16 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-10(3-4)

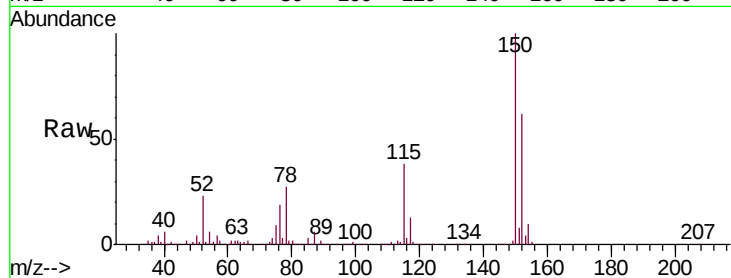
Tgt Ion:152 Resp: 111664

Ion Ratio Lower Upper

152 100

115 61.1 29.9 89.7

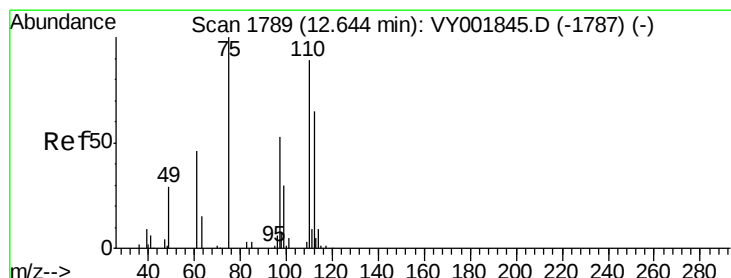
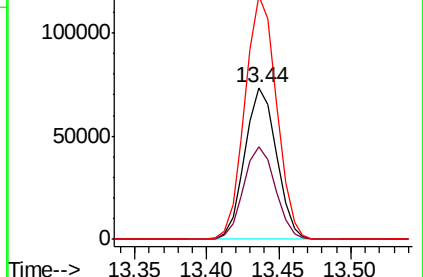
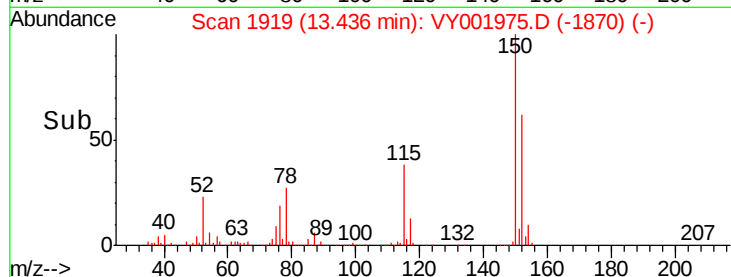
150 160.5 0.0 340.6



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: 43.877 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY001975.D

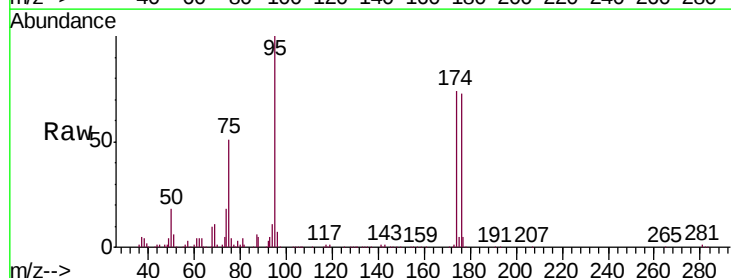
Acq: 16 Mar 2020 12:16

Tgt Ion: 75 Resp: 58135

Ion Ratio Lower Upper

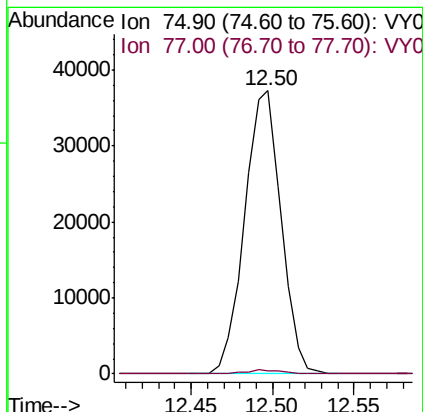
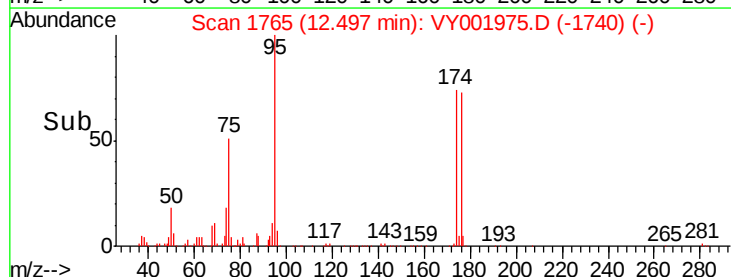
75 100

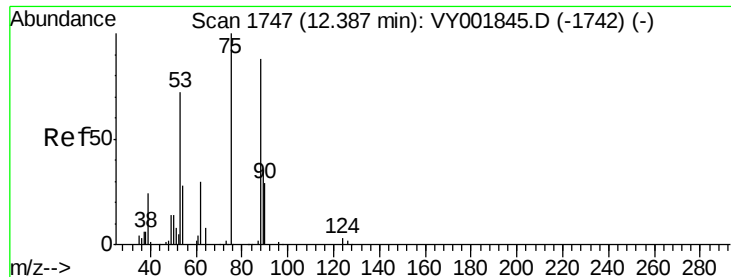
77 1.4 0.0 0.0#



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: 88.628 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY001975.D

Acq: 16 Mar 2020 12:16

Instrument :

MSVOA_Y

ClientSampleId :

TP-10(3-4)

Tgt Ion: 75 Resp: 58135

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

