

Data File : VY001976.D
Acq On : 16 Mar 2020 12:38
Operator : SY/MD
Sample : L1942-05
Misc : 8.43G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-10(9-10)

Quant Time: Mar 17 08:04:45 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	147811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	283694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	252890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	108818	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.17	65	87171	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	
35) Dibromofluoromethane	7.75	113	82185	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
50) Toluene-d8	10.20	98	341718	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.49	95	112508	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

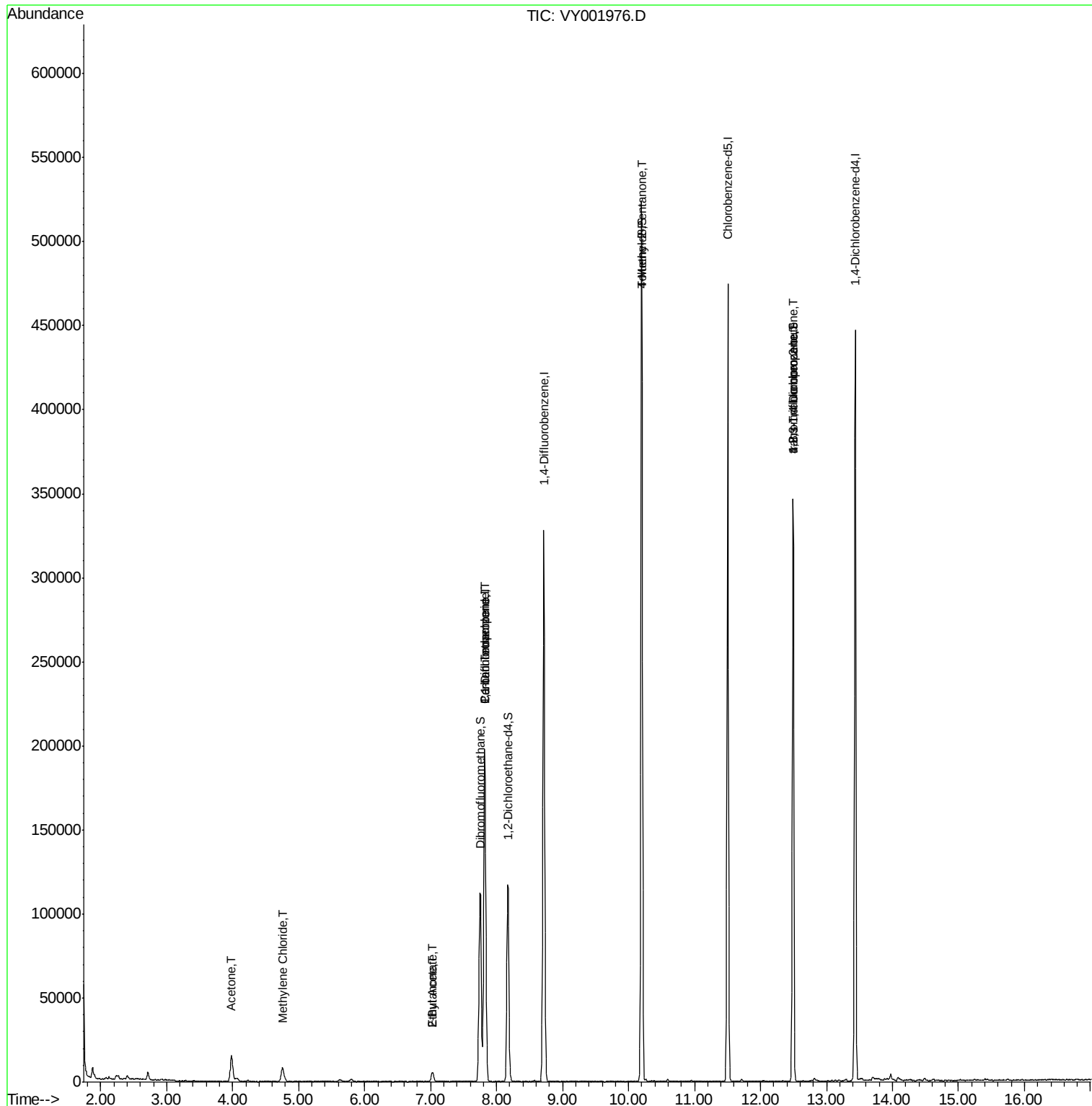
Target Compounds			Qvalue			
5) Bromomethane	2.68	94	146	Below Cal	#	55
11) Tert butyl alcohol	4.97	59	20	Below Cal	#	74
16) Acetone	3.98	43	27337	59.480	ug/l	99
20) Methylene Chloride	4.75	84	6002	3.047	ug/l #	94
25) 2-Butanone	7.02	43	9951	14.237	ug/l	94
36) 1,1-Dichloropropene	7.82	75	12712	4.656	ug/l #	50
37) Ethyl Acetate	7.02	43	9951	6.272	ug/l #	69
38) Carbon Tetrachloride	7.82	117	15241	6.535	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1585	1.024	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	57450	44.494	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	57450	89.875	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# 998

Delta R.T. 0.01 min

Lab File: VY001976.D

Acq: 16 Mar 2020 12:38

Instrument :

MSVOA_Y

ClientSampleId :

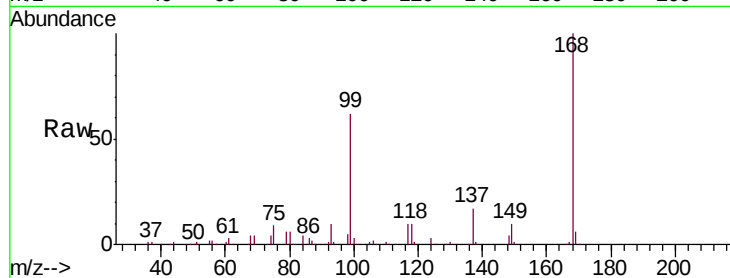
TP-10(9-10)

Tgt Ion:168 Resp: 147811

Ion Ratio Lower Upper

168 100

99 61.5 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) (-)

7.82

60000

40000

20000

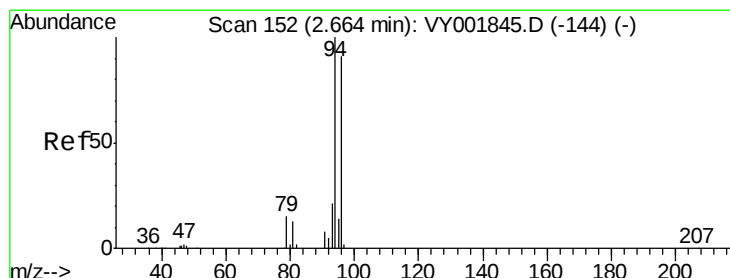
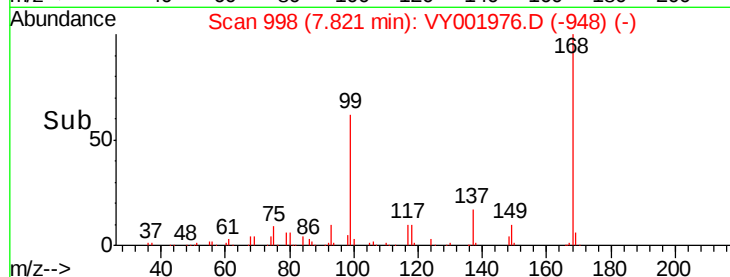
0

Time-->

7.70

7.80

7.90



#5

Bromomethane

Concen: Below Cal

RT: 2.68 min Scan# 155

Delta R.T. 0.02 min

Lab File: VY001976.D

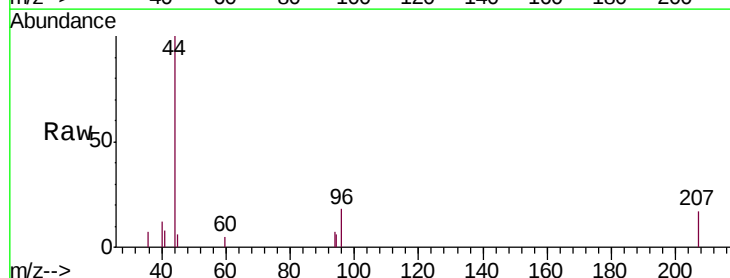
Acq: 16 Mar 2020 12:38

Tgt Ion: 94 Resp: 146

Ion Ratio Lower Upper

94 100

96 134.1 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) (-)

2.68

200

150

100

50

0

Time-->

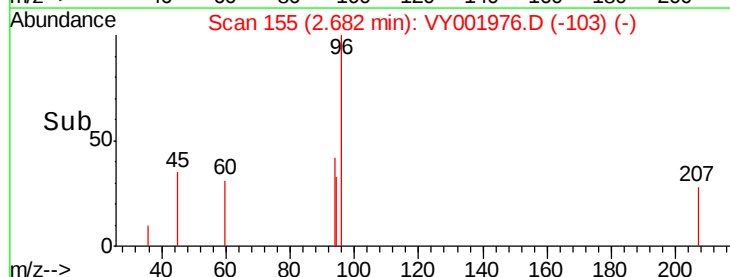
2.64

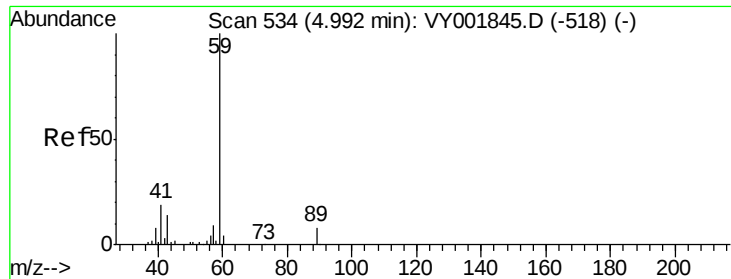
2.66

2.68

2.70

2.72

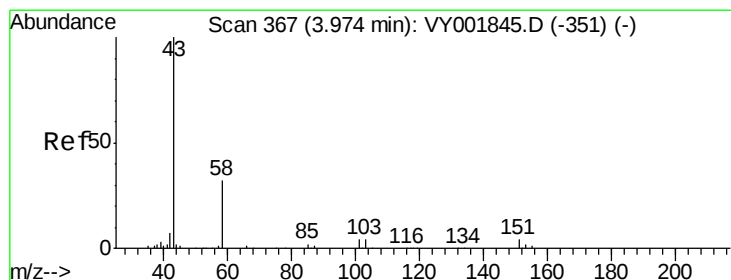
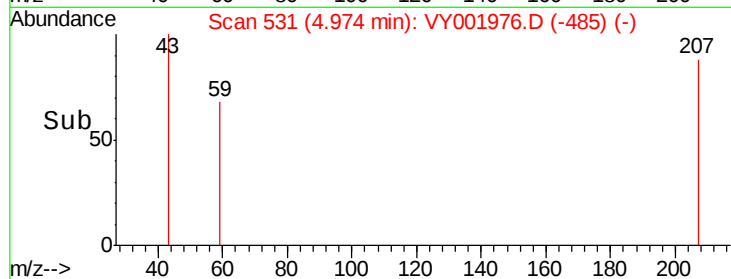
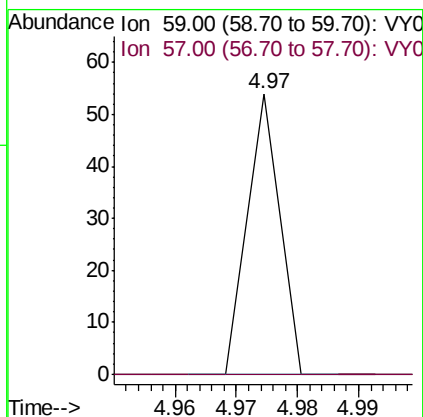
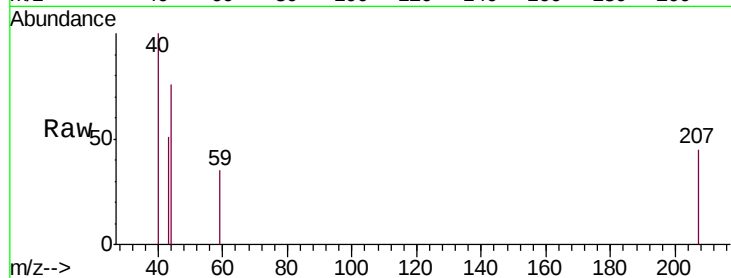




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.97 min Scan# 531
Delta R.T. -0.02 min
Lab File: VY001976.D
Acq: 16 Mar 2020 12:38

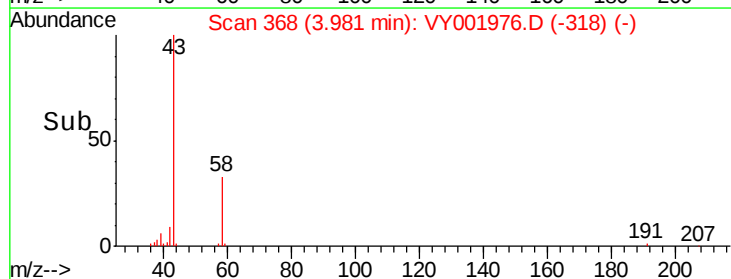
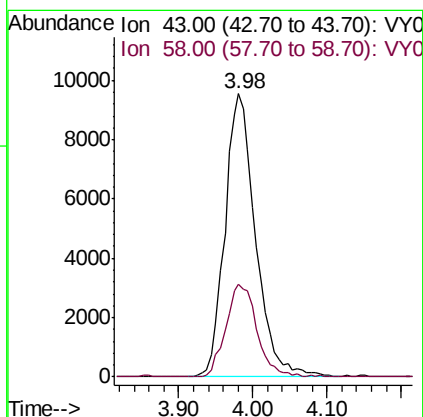
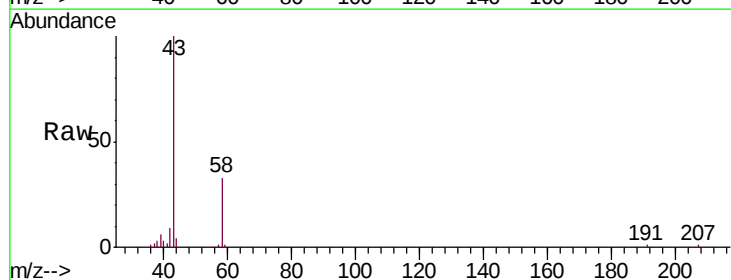
Instrument :
MSVOA_Y
ClientSampled :
TP-10(9-10)

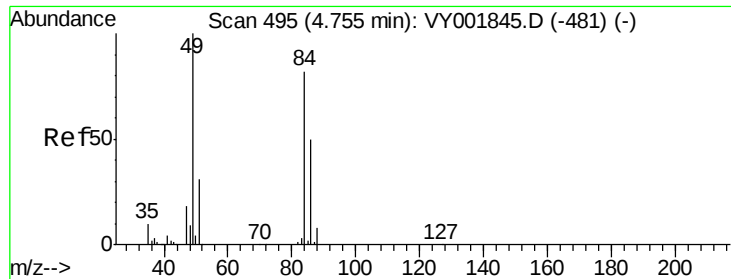
Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 59.480 ug/l
RT: 3.98 min Scan# 368
Delta R.T. 0.01 min
Lab File: VY001976.D
Acq: 16 Mar 2020 12:38

Tgt Ion: 43 Resp: 27337
Ion Ratio Lower Upper
43 100
58 32.7 25.9 38.9

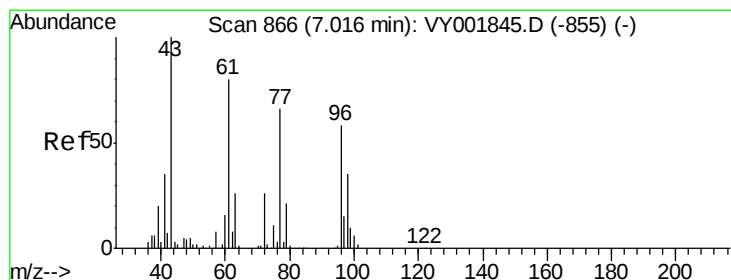
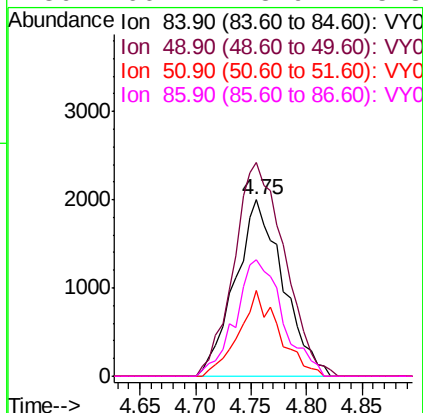
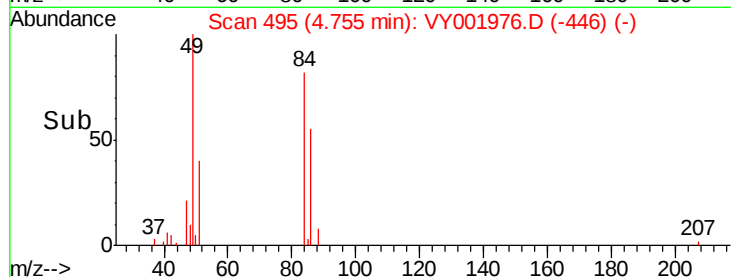
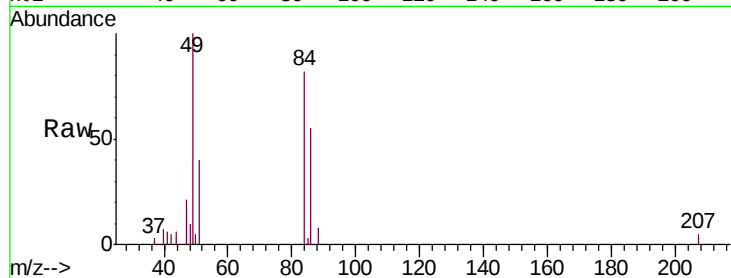




#20
Methylene Chloride
Concen: 3.047 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY001976.D
Acq: 16 Mar 2020 12:38

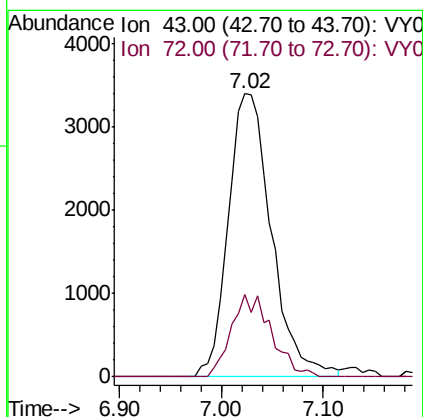
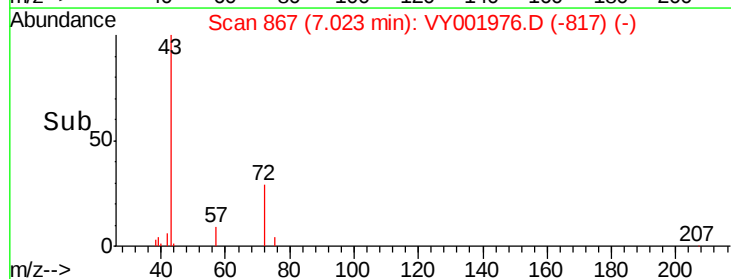
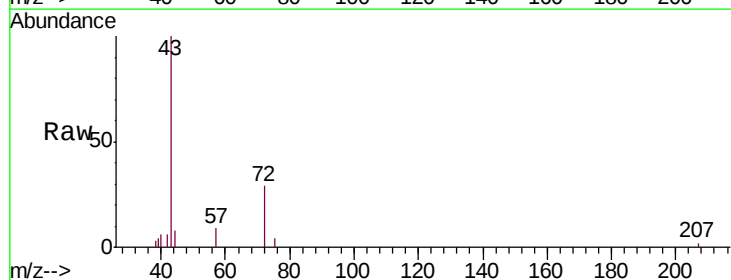
Instrument :
MSVOA_Y
ClientSampled :
TP-10(9-10)

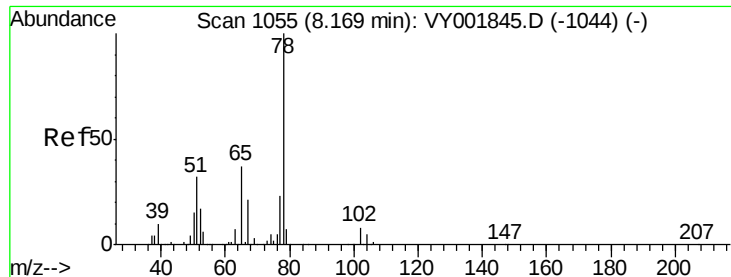
Tgt Ion: 84 Resp: 6002
Ion Ratio Lower Upper
84 100
49 121.2 98.2 147.2
51 48.4 30.2 45.2#
86 66.4 48.9 73.3



#25
2-Butanone
Concen: 14.237 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001976.D
Acq: 16 Mar 2020 12:38

Tgt Ion: 43 Resp: 9951
Ion Ratio Lower Upper
43 100
72 29.0 20.9 31.3

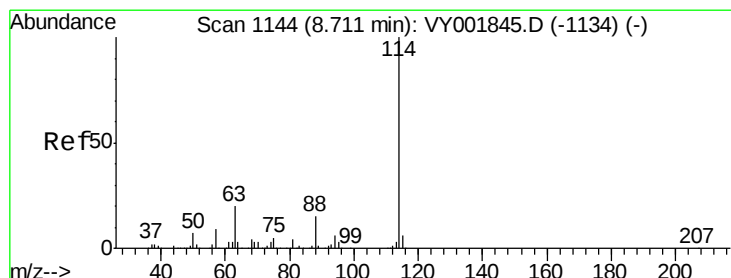
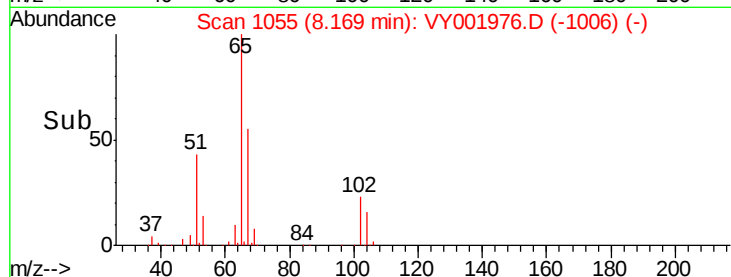
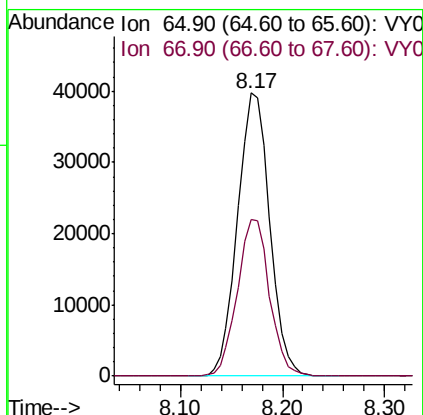
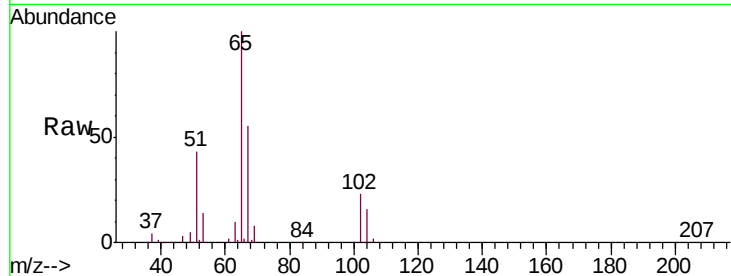




#33
 1,2-Dichloroethane-d4
 Concen: 55.242 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001976.D
 Acq: 16 Mar 2020 12:38

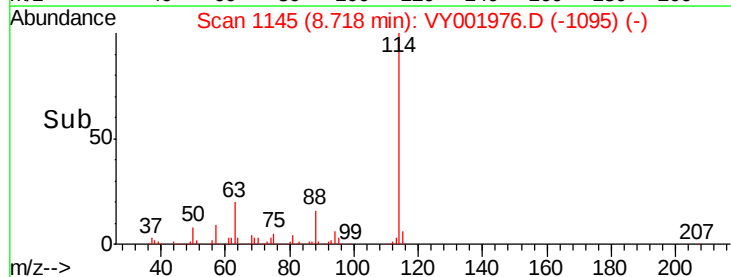
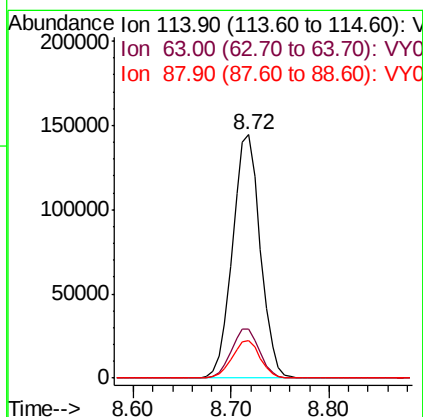
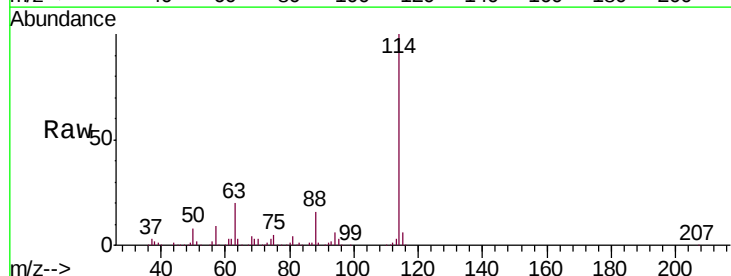
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-10(9-10)

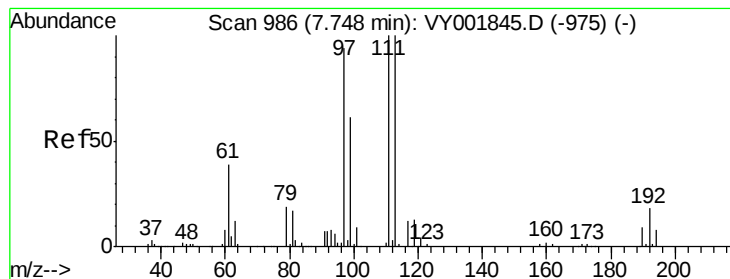
Tgt Ion: 65 Resp: 87171
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001976.D
 Acq: 16 Mar 2020 12:38

Tgt Ion: 114 Resp: 283694
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 15.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 53.053 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY001976.D

Acq: 16 Mar 2020 12:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-10(9-10)

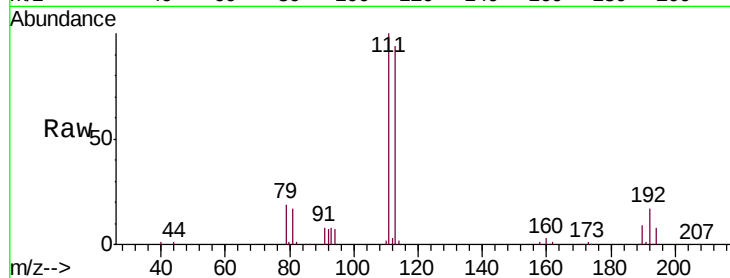
Tgt Ion:113 Resp: 82185

Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

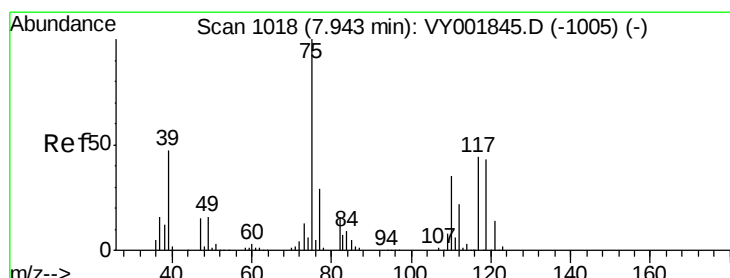
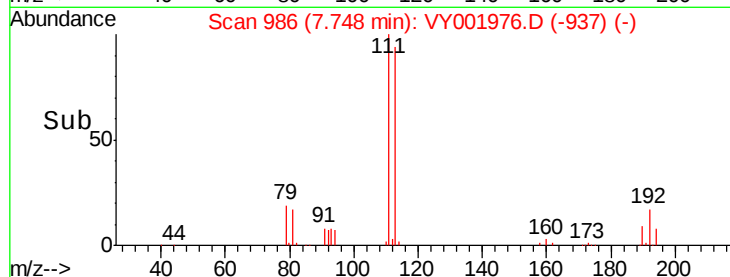
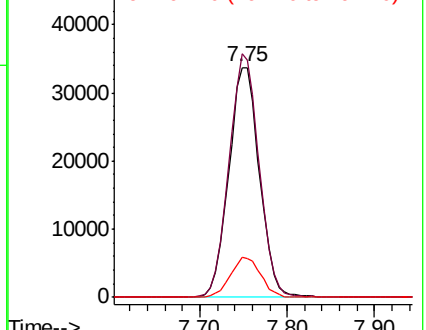
192 17.2 14.2 21.2



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: 4.656 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY001976.D

Acq: 16 Mar 2020 12:38

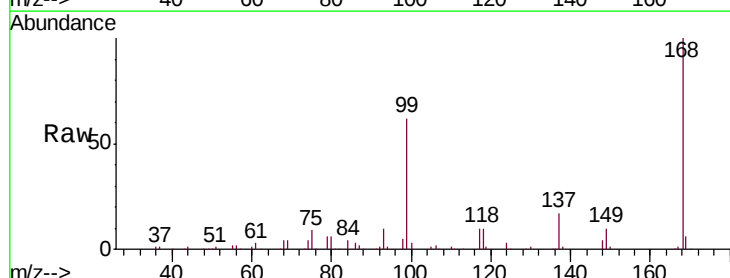
Tgt Ion: 75 Resp: 12712

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.2#

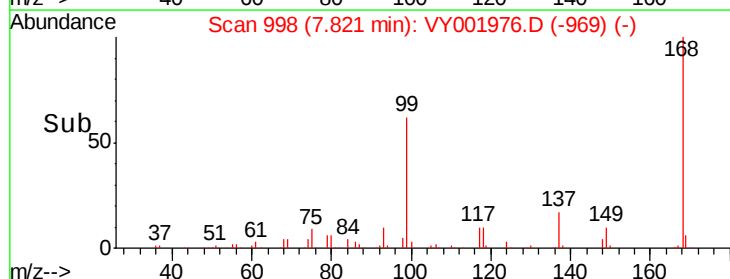
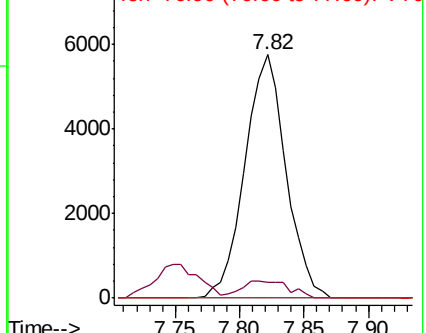
77 0.0 24.2 36.2#

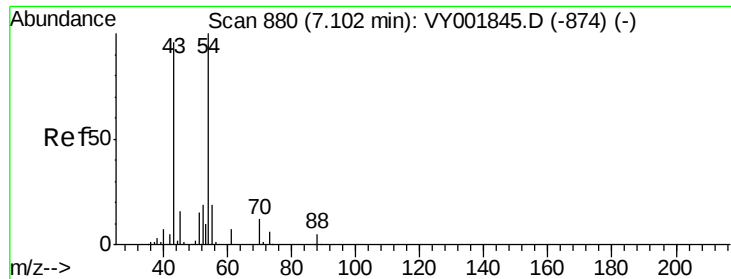


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

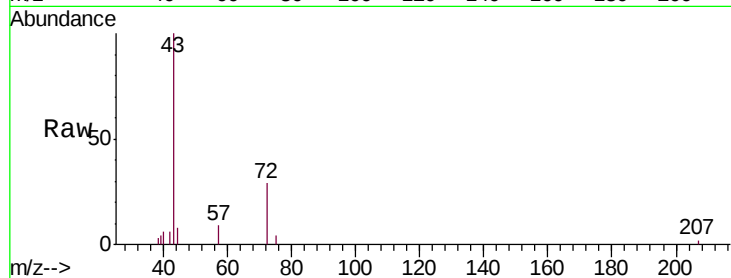




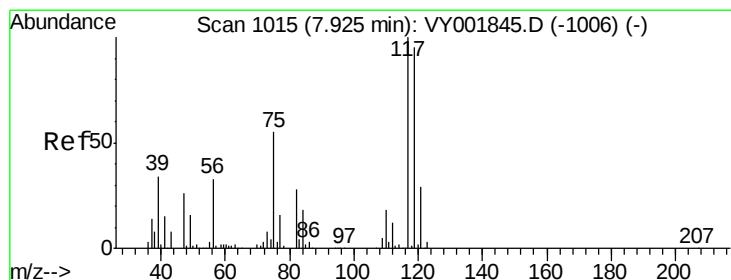
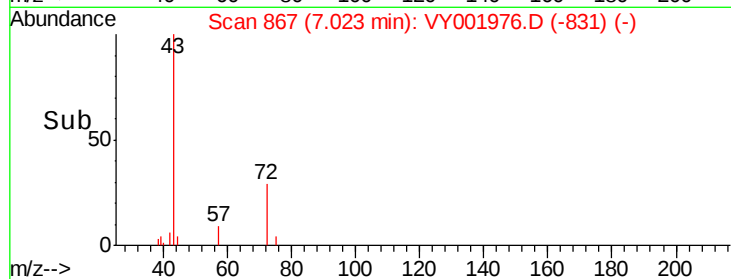
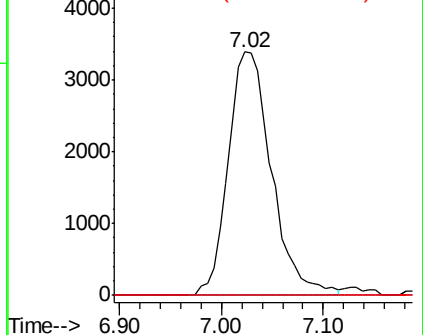
#37
 Ethyl Acetate
 Concen: 6.272 ug/l
 RT: 7.02 min Scan# 867
 Delta R.T. -0.08 min
 Lab File: VY001976.D
 Acq: 16 Mar 2020 12:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-10(9-10)

Tgt Ion: 43 Resp: 9951
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.1 16.7#
 70 0.0 8.2 12.4#

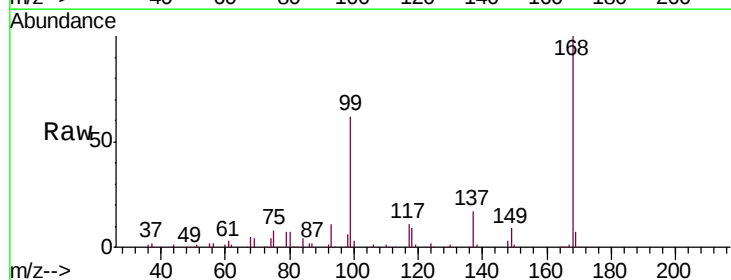


Abundance Ion 43.00 (42.70 to 43.70): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 70.00 (69.70 to 70.70): VY0

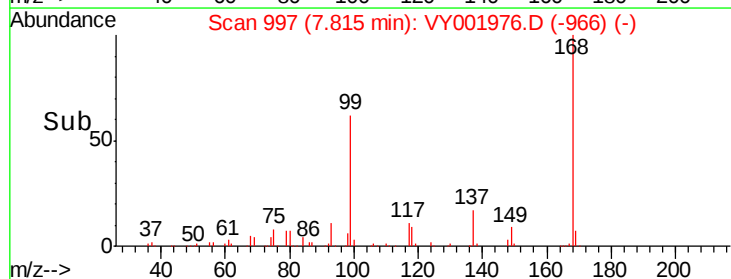
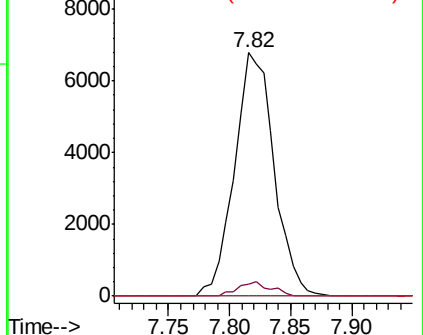


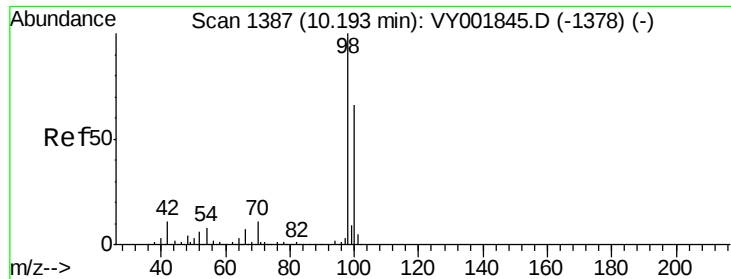
#38
 Carbon Tetrachloride
 Concen: 6.535 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001976.D
 Acq: 16 Mar 2020 12:38

Tgt Ion: 117 Resp: 15241
 Ion Ratio Lower Upper
 117 100
 119 4.8 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: 52.312 ug/l

RT: 10.20 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VY001976.D

Acq: 16 Mar 2020 12:38

Instrument :

MSVOA_Y

ClientSampled :

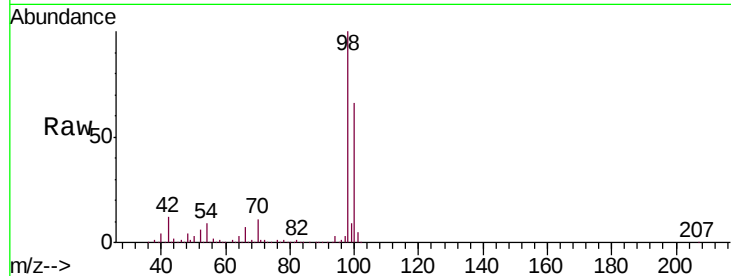
TP-10(9-10)

Tgt Ion: 98 Resp: 341718

Ion Ratio Lower Upper

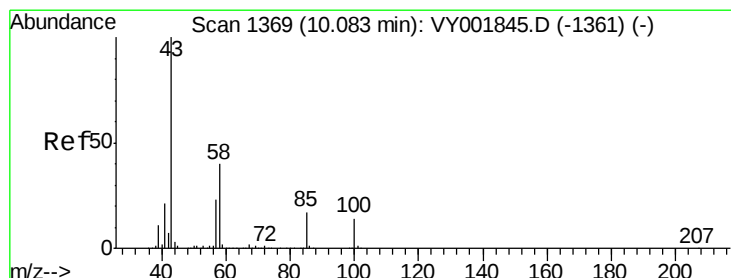
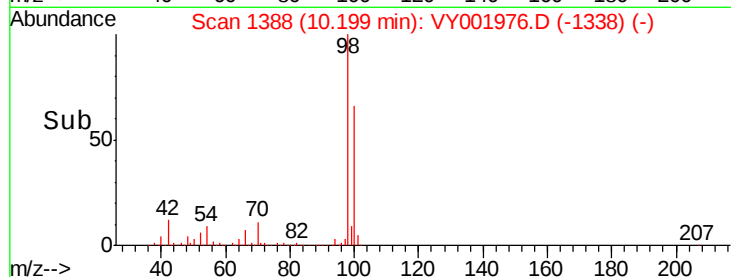
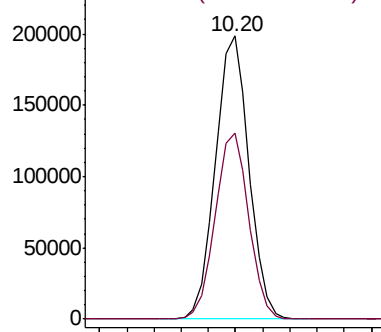
98 100

100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY



#51

4-Methyl-2-Pentanone

Concen: 1.024 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY001976.D

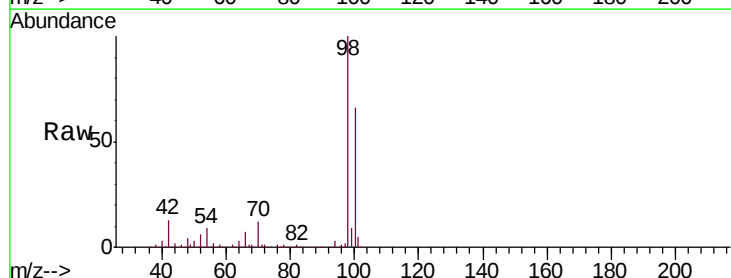
Acq: 16 Mar 2020 12:38

Tgt Ion: 43 Resp: 1585

Ion Ratio Lower Upper

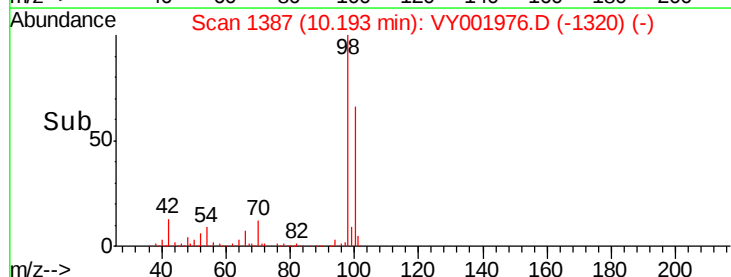
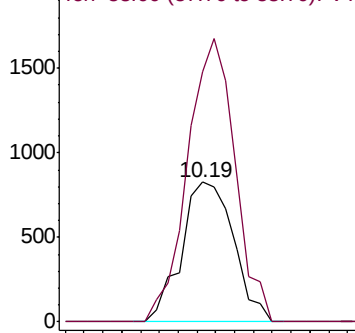
43 100

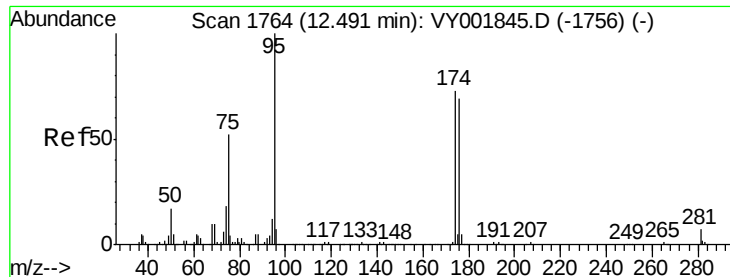
58 185.0 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#62

4-Bromofluorobenzene

Concen: 49.533 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001976.D

Acq: 16 Mar 2020 12:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-10(9-10)

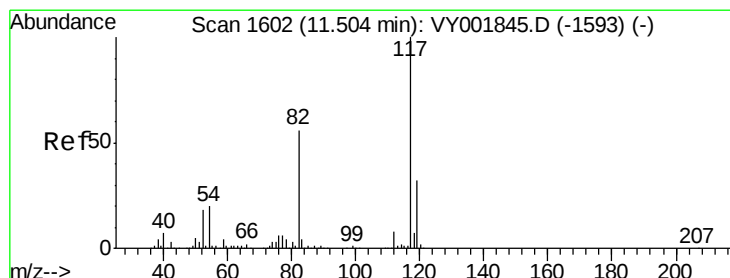
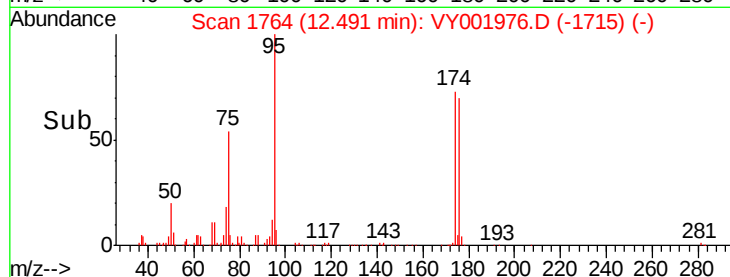
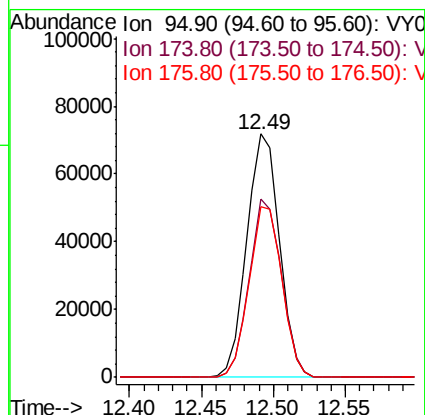
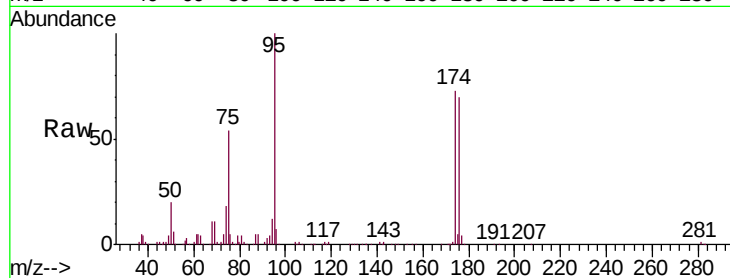
Tgt Ion: 95 Resp: 112508

Ion Ratio Lower Upper

95 100

174 72.4 0.0 145.0

176 70.7 0.0 137.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.50 min Scan# 1602

Delta R.T. 0.00 min

Lab File: VY001976.D

Acq: 16 Mar 2020 12:38

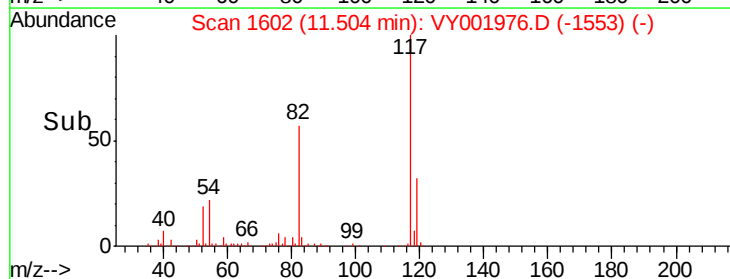
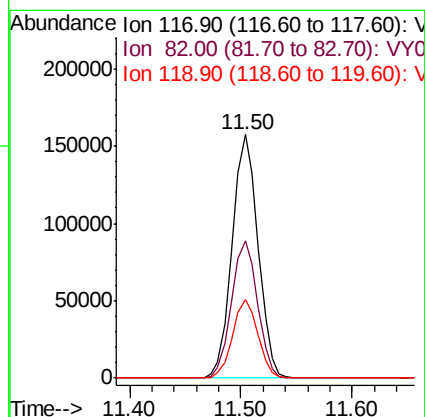
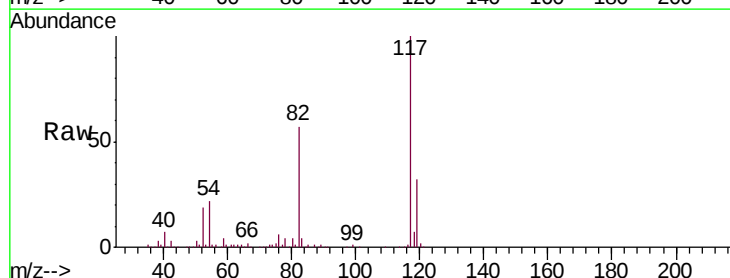
Tgt Ion: 117 Resp: 252890

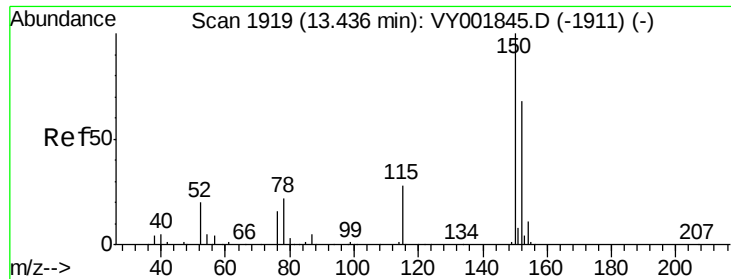
Ion Ratio Lower Upper

117 100

82 56.5 44.5 66.7

119 32.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001976.D

Acq: 16 Mar 2020 12:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-10(9-10)

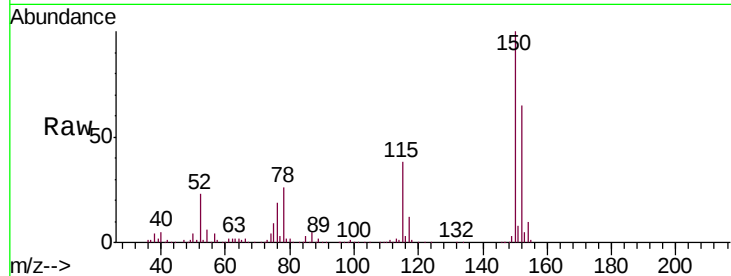
Tgt Ion:152 Resp: 108818

Ion Ratio Lower Upper

152 100

115 59.2 29.9 89.7

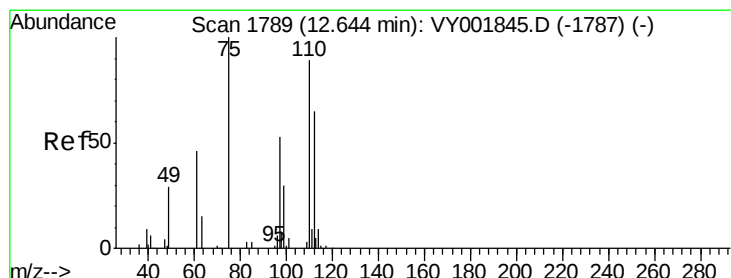
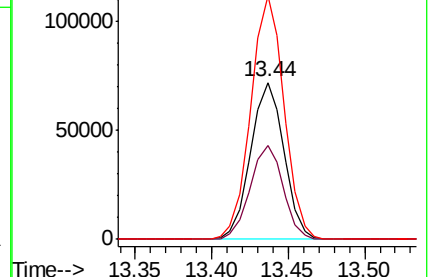
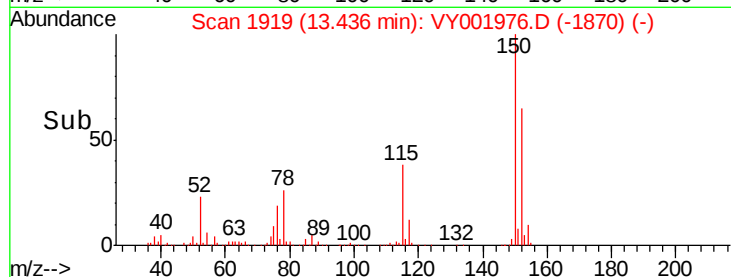
150 154.4 0.0 340.6



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: 44.494 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001976.D

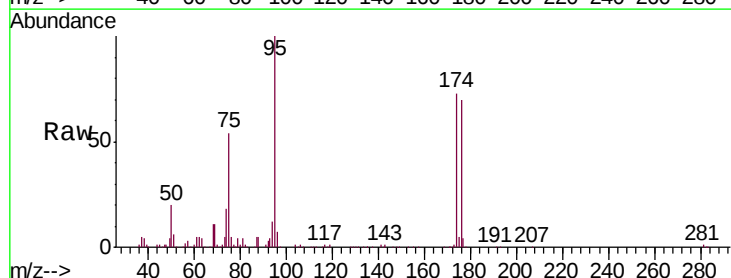
Acq: 16 Mar 2020 12:38

Tgt Ion: 75 Resp: 57450

Ion Ratio Lower Upper

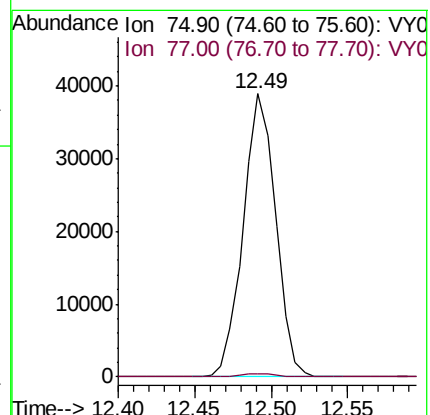
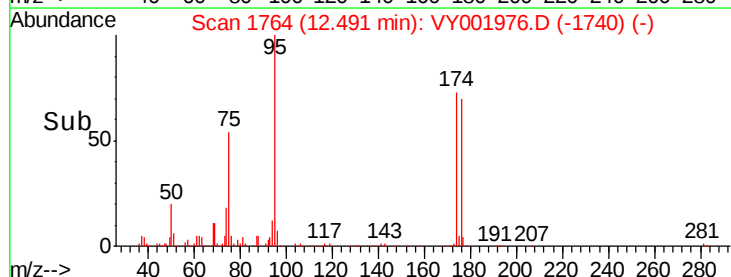
75 100

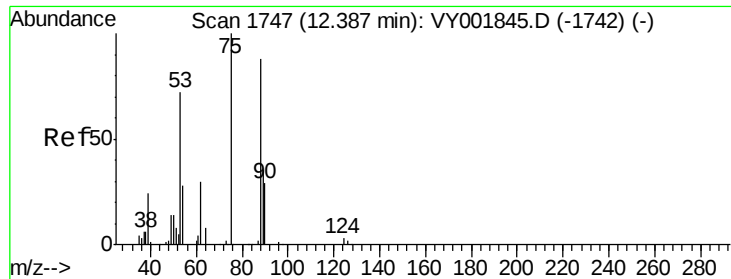
77 1.4 0.0 0.0#



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: 89.875 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001976.D

Acq: 16 Mar 2020 12:38

Instrument :

MSVOA_Y

ClientSampleId :

TP-10(9-10)

Tgt Ion: 75 Resp: 57450

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.0 36.0 54.0#

