

Data File : VY001985.D
Acq On : 16 Mar 2020 16:00
Operator : SY/MD
Sample : L1920-02
Misc : 5.03G/5ML/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
F-2

Quant Time: Mar 17 08:07:19 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	139117	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	266950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	246534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	110610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	88585	59.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.30%	
35) Dibromofluoromethane	7.74	113	79279	54.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.78%	
50) Toluene-d8	10.19	98	325721	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.49	95	112434	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	

Target Compounds

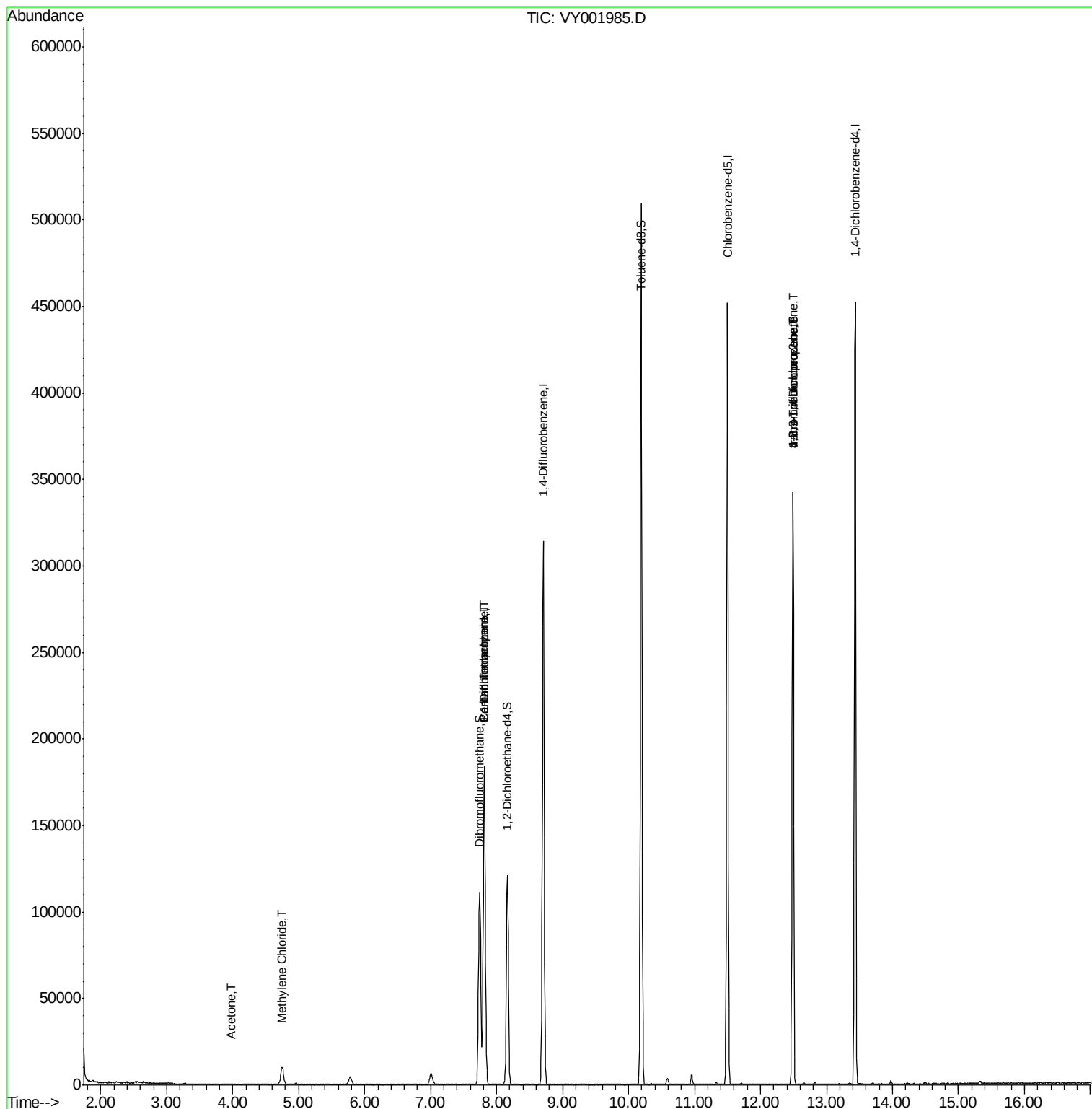
						Qvalue
5) Bromomethane	2.43	94	21	Below Cal	#	4
11) Tert butyl alcohol	4.96	59	836	Below Cal	#	74
16) Acetone	3.97	43	677	1.565	ug/l #	42
20) Methylene Chloride	4.74	84	7822	4.219	ug/l	98
36) 1,1-Dichloropropene	7.81	75	12222	4.758	ug/l #	49
38) Carbon Tetrachloride	7.82	117	14030	6.393	ug/l #	16
76) 1,2,3-Trichloropropane	12.49	75	57130	43.529	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	57130	87.926	ug/l #	17

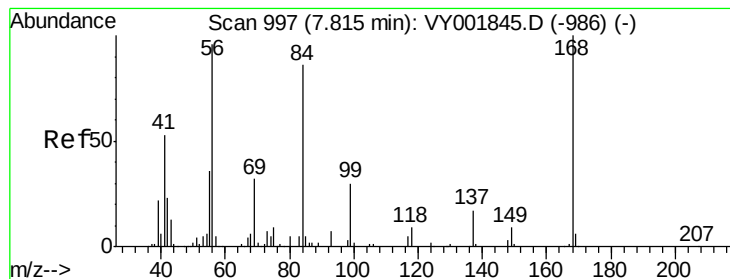
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY001985.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_Y

ClientSampleId :

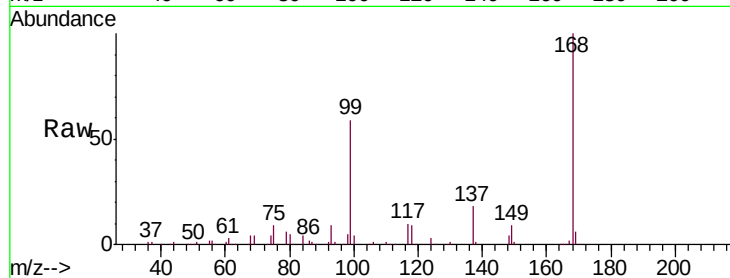
F-2

Tgt Ion:168 Resp: 139117

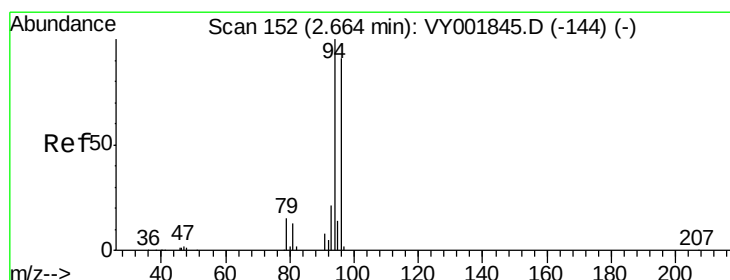
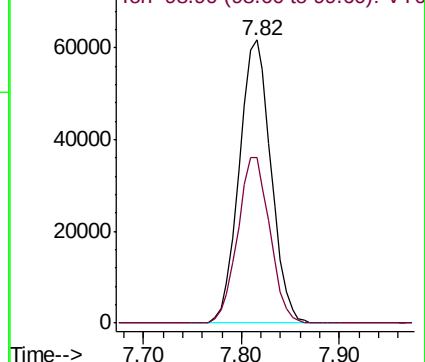
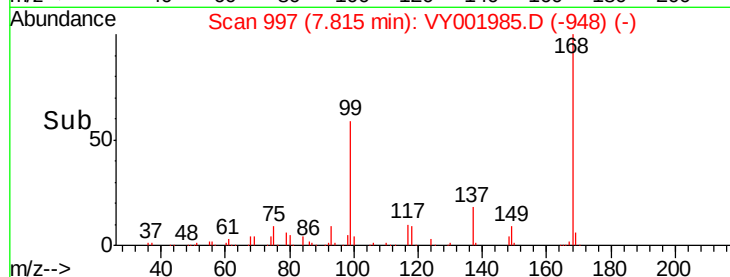
Ion Ratio Lower Upper

168 100

99 58.7 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001985.D (-948) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.43 min Scan# 113

Delta R.T. -0.24 min

Lab File: VY001985.D

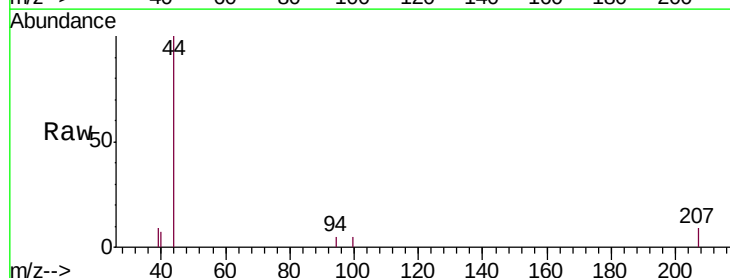
Acq: 16 Mar 2020 16:00

Tgt Ion: 94 Resp: 21

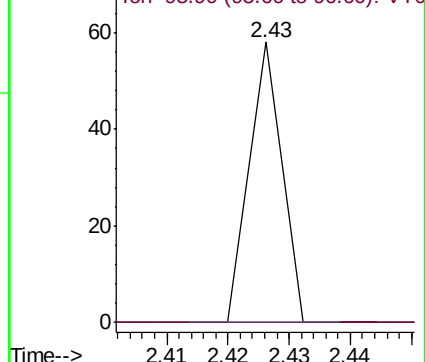
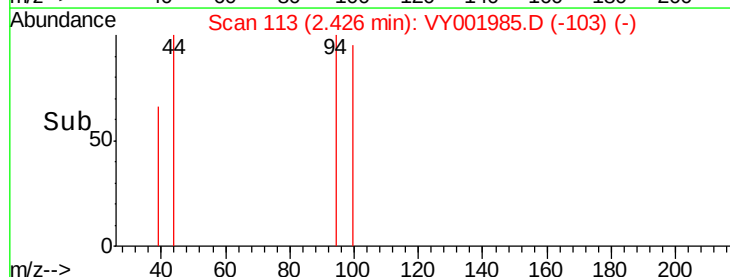
Ion Ratio Lower Upper

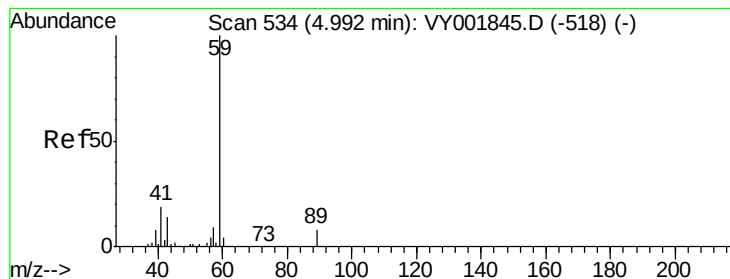
94 100

96 0.0 73.2 109.8#



Abundance Ion 93.90 (93.60 to 94.60): VY001985.D (-103) (-)



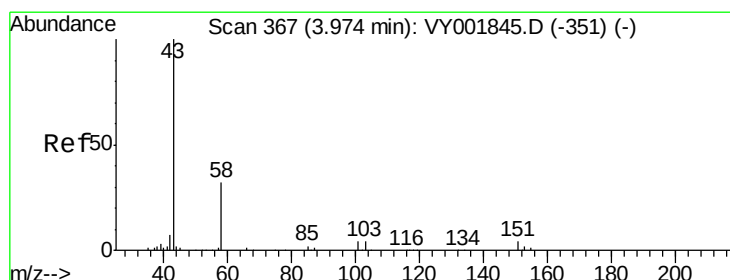
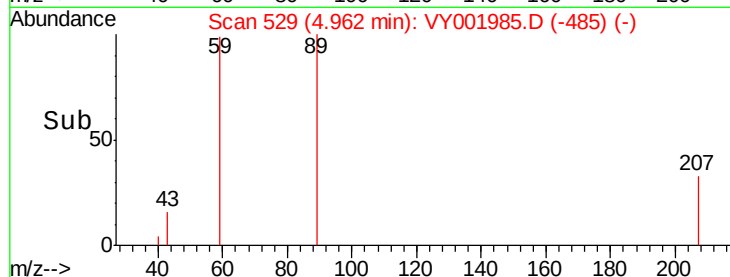
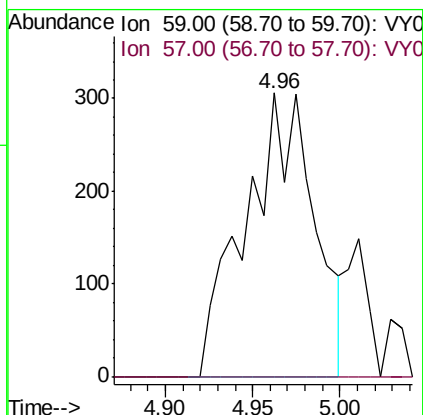
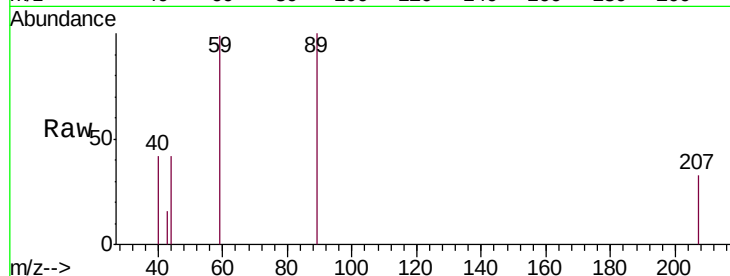


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 4.96 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VY001985.D
 Acq: 16 Mar 2020 16:00

Instrument :
 MSVOA_Y
 ClientSampled :
 F-2

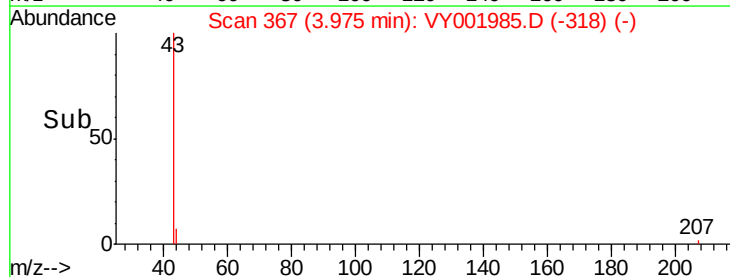
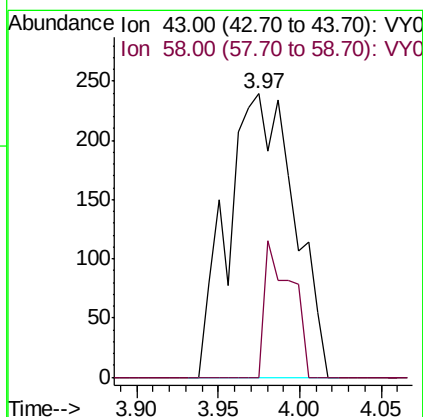
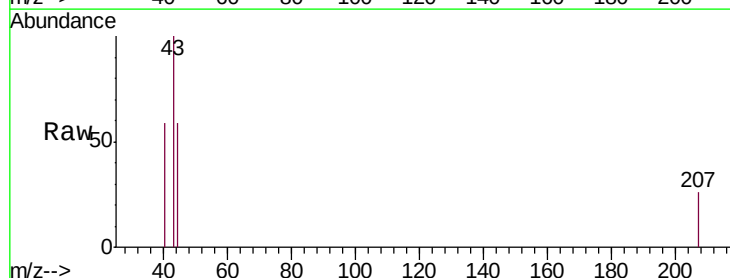
Tgt Ion: 59 Resp: 836
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

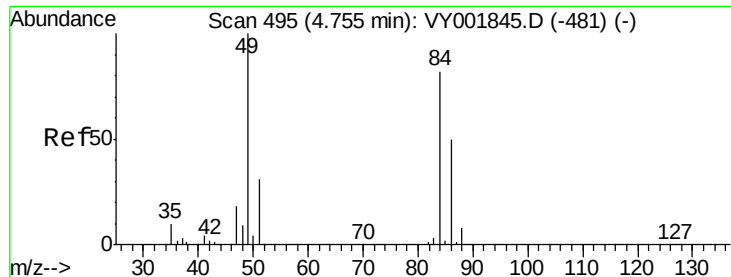


#16

Acetone
 Concen: 1.565 ug/l
 RT: 3.97 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VY001985.D
 Acq: 16 Mar 2020 16:00

Tgt Ion: 43 Resp: 677
 Ion Ratio Lower Upper
 43 100
 58 0.0 25.9 38.9#

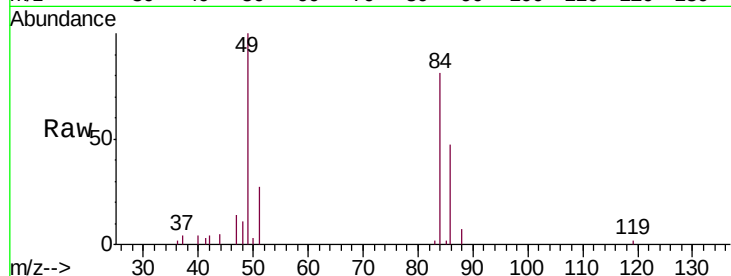




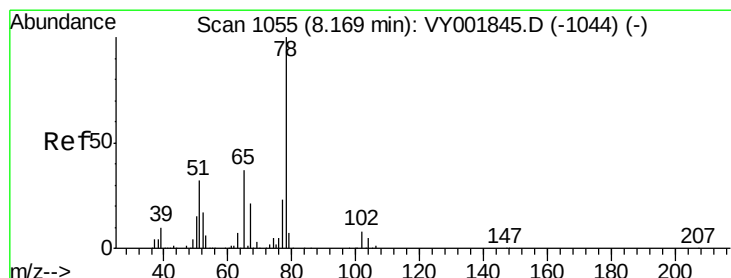
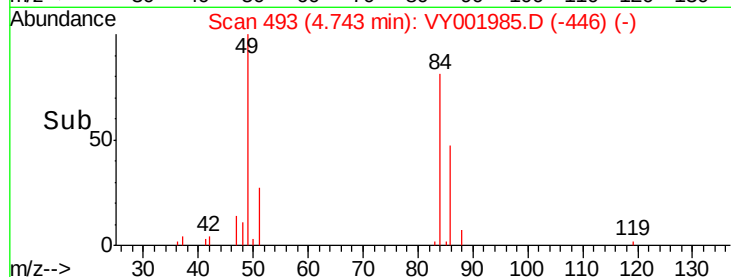
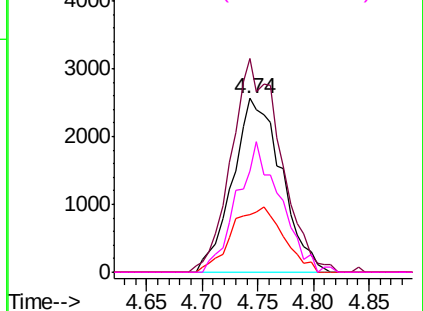
#20
Methylene Chloride
Concen: 4.219 ug/l
RT: 4.74 min Scan# 493
Delta R.T. -0.01 min
Lab File: VY001985.D
Acq: 16 Mar 2020 16:00

Instrument :
MSVOA_Y
ClientSampled :
F-2

Tgt Ion: 84 Resp: 7822
Ion Ratio Lower Upper
84 100
49 123.1 98.2 147.2
51 33.4 30.2 45.2
86 58.4 48.9 73.3

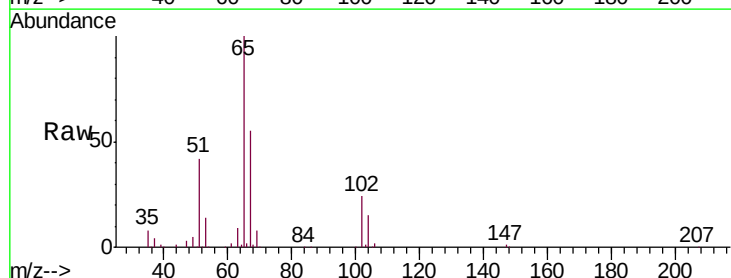


Abundance Ion 83.90 (83.60 to 84.60): VY0
Ion 48.90 (48.60 to 49.60): VY0
Ion 50.90 (50.60 to 51.60): VY0
Ion 85.90 (85.60 to 86.60): VY0

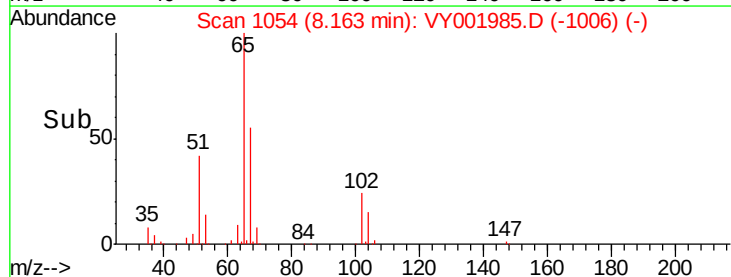
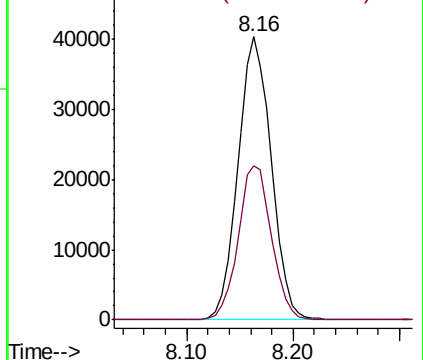


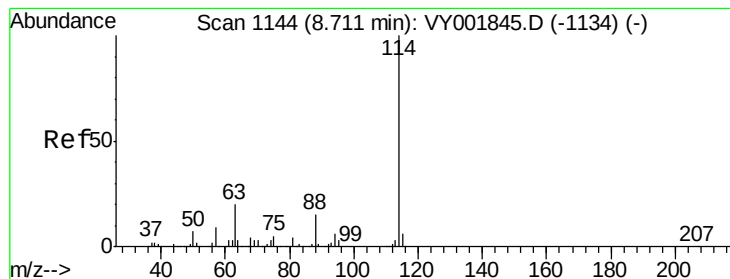
#33
1,2-Dichloroethane-d4
Concen: 59.647 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001985.D
Acq: 16 Mar 2020 16:00

Tgt Ion: 65 Resp: 88585
Ion Ratio Lower Upper
65 100
67 54.5 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: VY001985.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_Y

ClientSampleId :

F-2

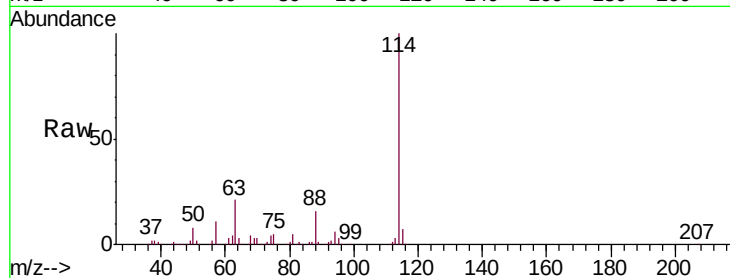
Tgt Ion:114 Resp: 266950

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.4

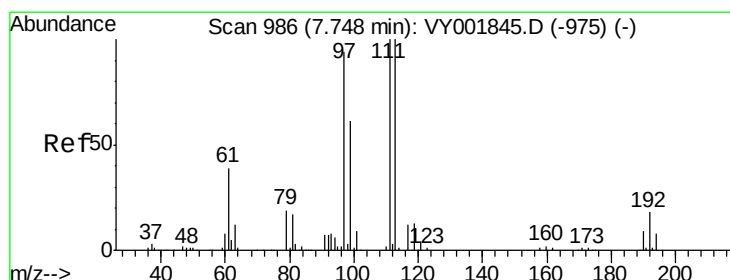
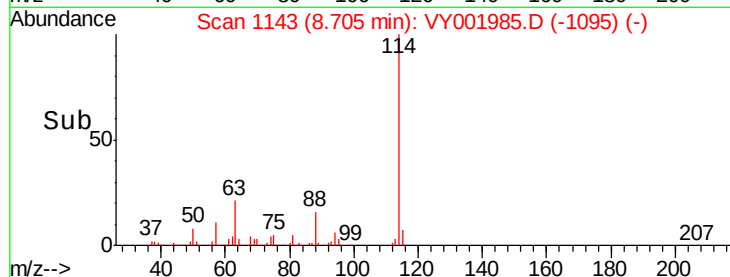
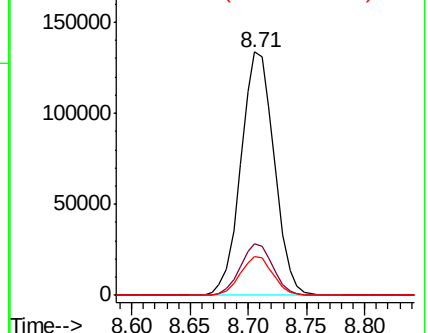
88 15.9 0.0 30.4



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: 54.388 ug/l

RT: 7.74 min Scan# 985

Delta R.T. -0.01 min

Lab File: VY001985.D

Acq: 16 Mar 2020 16:00

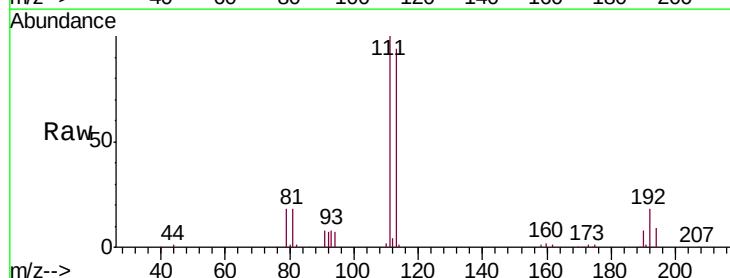
Tgt Ion:113 Resp: 79279

Ion Ratio Lower Upper

113 100

111 103.9 81.8 122.8

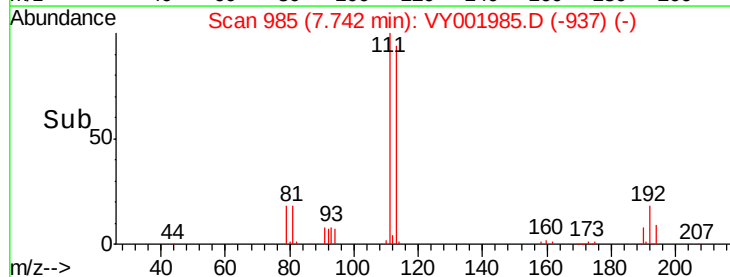
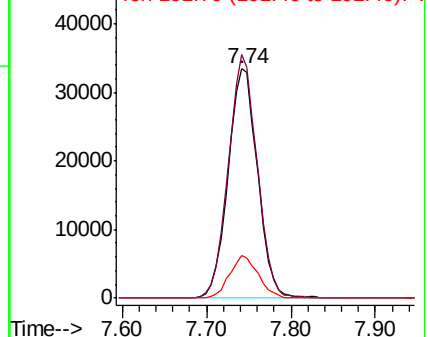
192 17.9 14.2 21.2

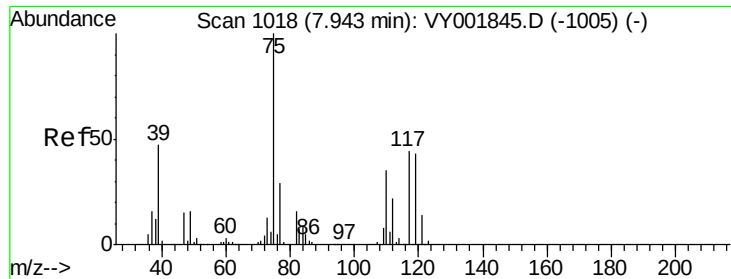


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

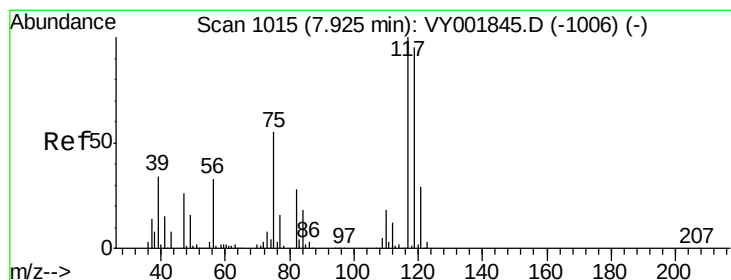
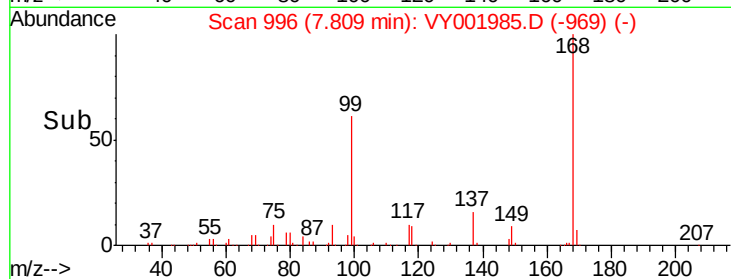
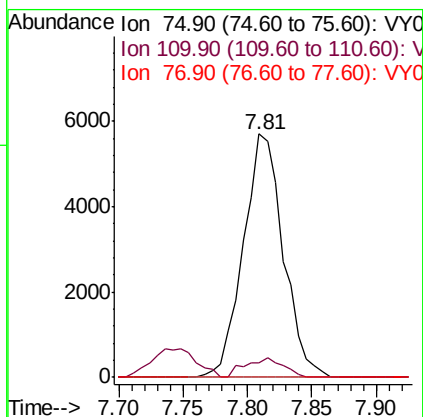
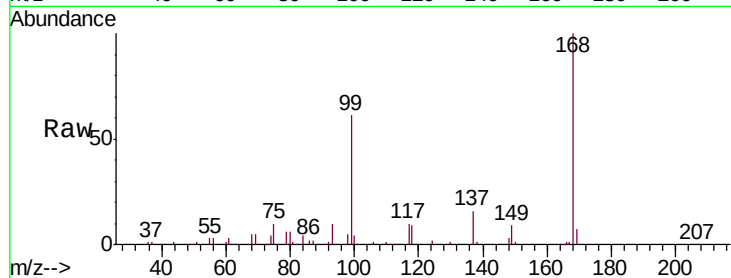




#36
 1,1-Dichloropropene
 Concen: 4.758 ug/l
 RT: 7.81 min Scan# 996
 Delta R.T. -0.13 min
 Lab File: VY001985.D
 Acq: 16 Mar 2020 16:00

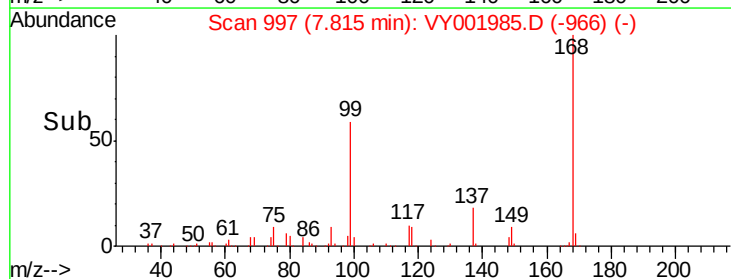
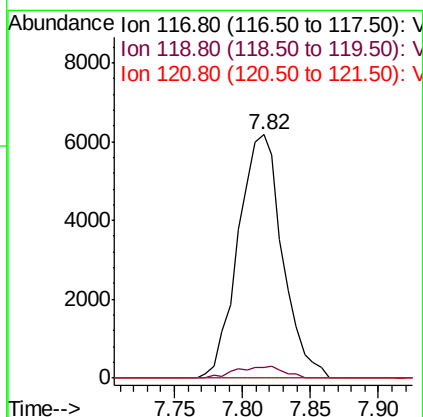
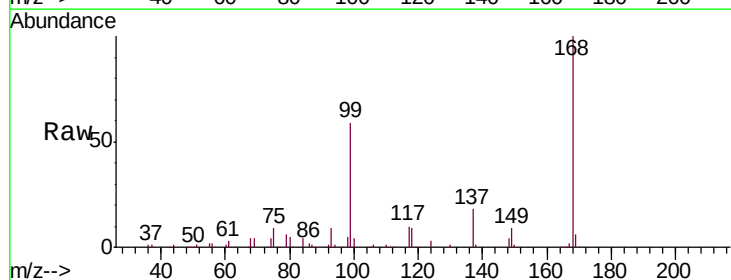
Instrument :
 MSVOA_Y
 ClientSampleId :
 F-2

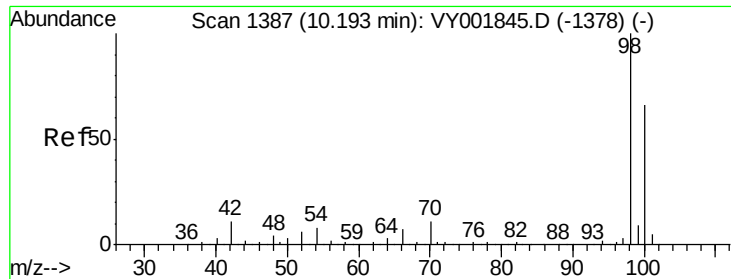
Tgt Ion: 75 Resp: 12222
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.4 52.2#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.393 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY001985.D
 Acq: 16 Mar 2020 16:00

Tgt Ion: 117 Resp: 14030
 Ion Ratio Lower Upper
 117 100
 119 4.5 76.3 114.5#
 121 0.0 23.5 35.3#





#50

Toluene-d8

Concen: 52.991 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001985.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_Y

ClientSampled :

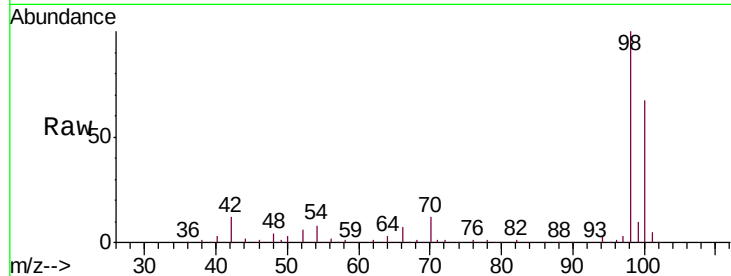
F-2

Tgt Ion: 98 Resp: 325721

Ion Ratio Lower Upper

98 100

100 65.5 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)

10.19

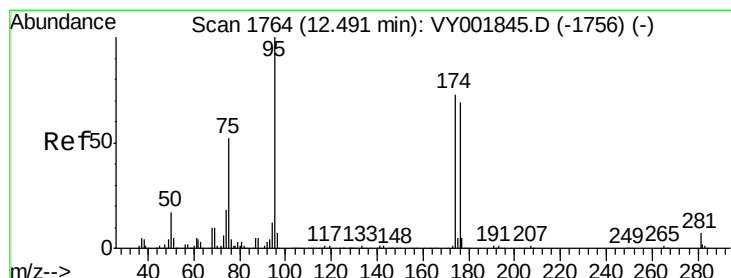
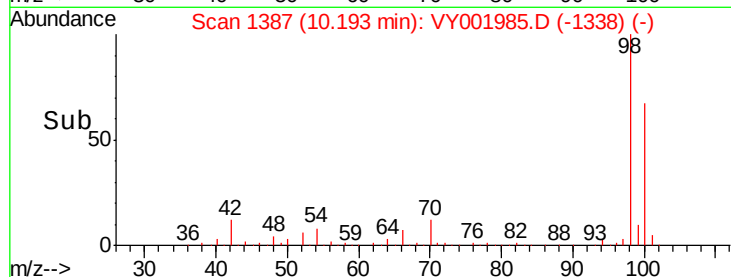
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.606 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VY001985.D

Acq: 16 Mar 2020 16:00

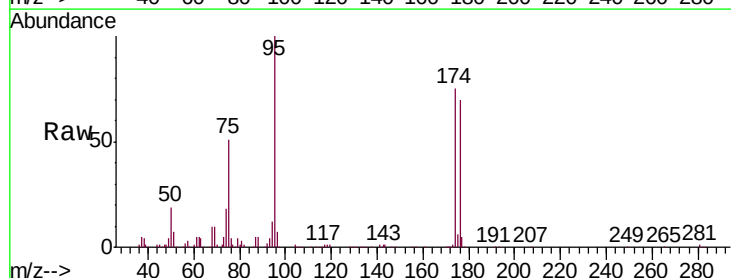
Tgt Ion: 95 Resp: 112434

Ion Ratio Lower Upper

95 100

174 72.9 0.0 145.0

176 70.0 0.0 137.4



Abundance Ion 94.90 (94.60 to 95.60): VY001845.D (-1756) (-)

Ion 173.80 (173.50 to 174.50): VY001845.D (-1756) (-)

Ion 175.80 (175.50 to 176.50): VY001845.D (-1756) (-)

12.49

80000

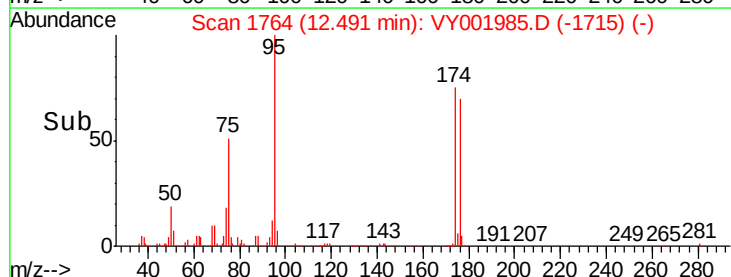
60000

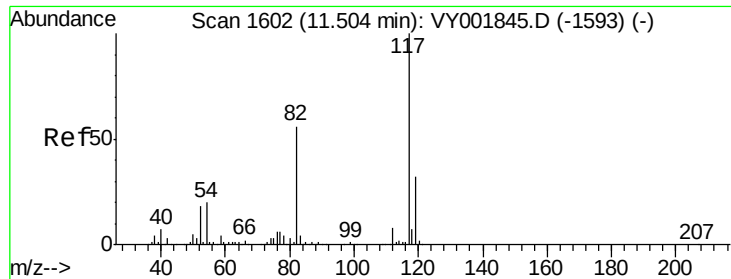
40000

20000

0

Time-->

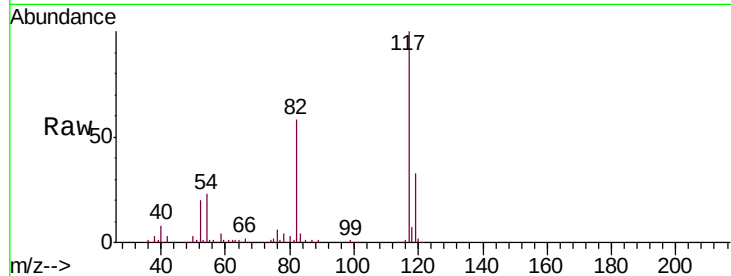




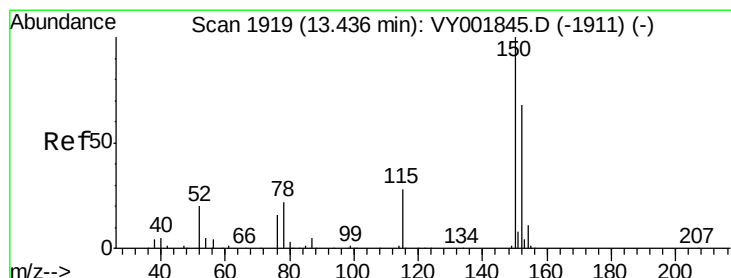
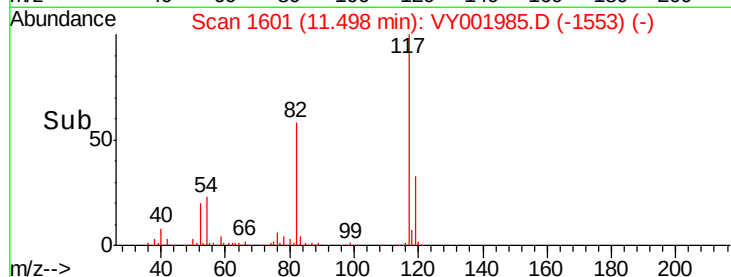
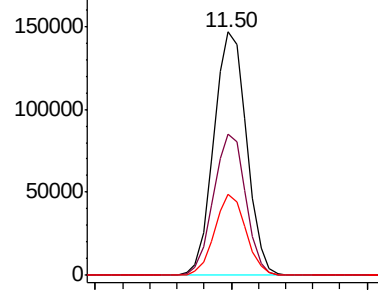
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001985.D
Acq: 16 Mar 2020 16:00

Instrument :
MSVOA_Y
ClientSampleId :
F-2

Tgt Ion:117 Resp: 246534
Ion Ratio Lower Upper
117 100
82 57.9 44.5 66.7
119 33.3 25.7 38.5

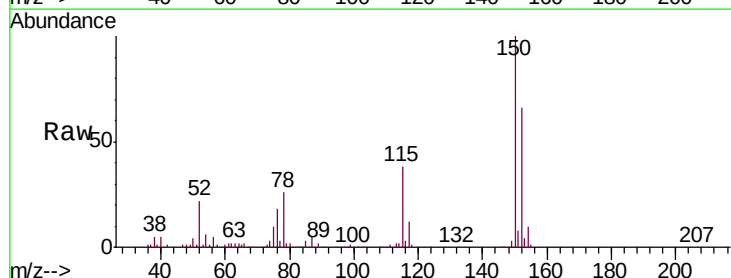


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

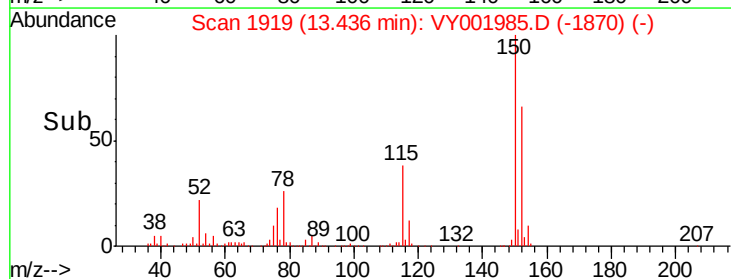
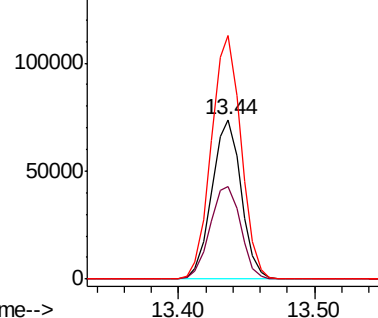


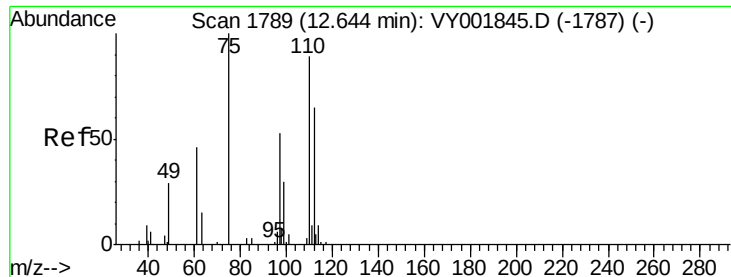
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VY001985.D
Acq: 16 Mar 2020 16:00

Tgt Ion:152 Resp: 110610
Ion Ratio Lower Upper
152 100
115 60.9 29.9 89.7
150 155.7 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: 43.529 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY001985.D

Acq: 16 Mar 2020 16:00

Instrument :

MSVOA_Y

ClientSampleId :

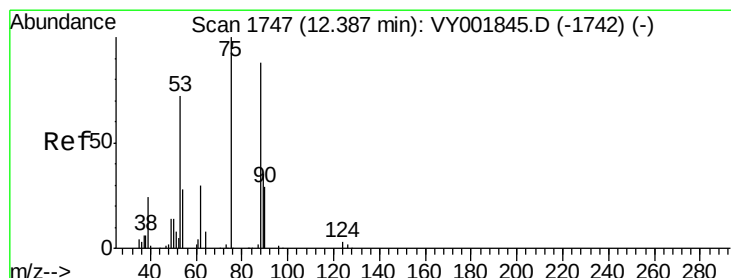
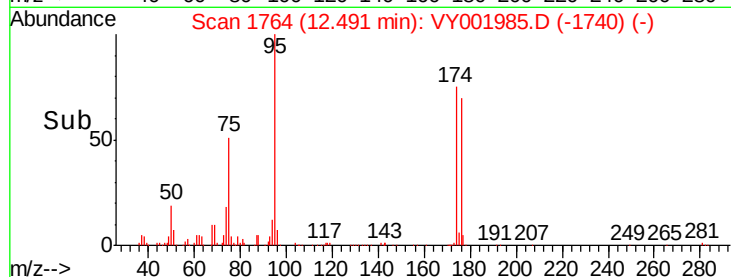
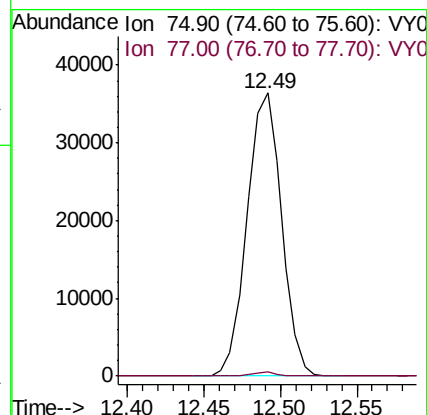
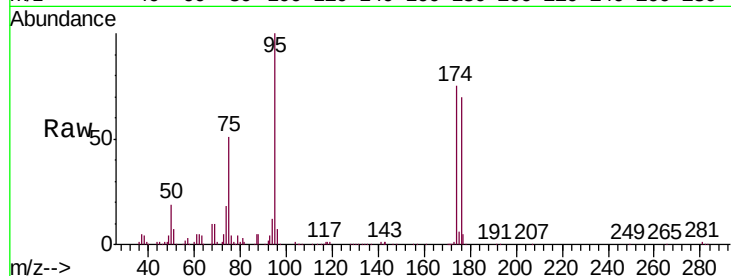
F-2

Tgt Ion: 75 Resp: 57130

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.926 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.10 min

Lab File: VY001985.D

Acq: 16 Mar 2020 16:00

Tgt Ion: 75 Resp: 57130

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#

