

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY012720\
 Data File : VY001405.D
 Acq On : 27 Jan 2020 15:00
 Operator : SY/MD
 Sample : L1247-01RE
 Misc : 9.51G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4-5

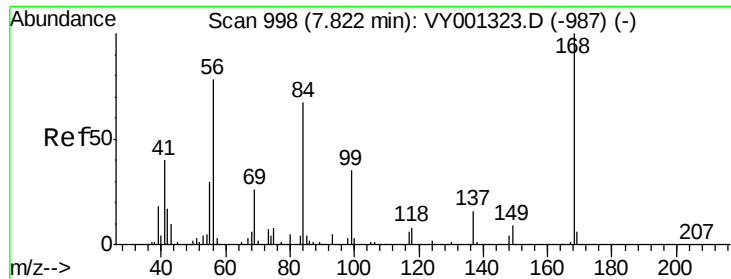
Quant Time: Jan 27 16:14:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 01:21:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	170126	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.70	114	309147	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	278719	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	122684	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.16	65	94509	51.05	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.73	113	92192	50.81	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.18	98	366208	51.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.48	95	131661	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.98	59	322	Below Cal	#	74
20) Methylene Chloride	4.74	84	4171	Below Cal		92
31) Cyclohexane	7.80	56	3717	1.04	ug/l #	1
36) 1,1-Dichloropropene	7.80	75	13209	4.52	ug/l #	50
38) Carbon Tetrachloride	7.81	117	16217	6.23	ug/l #	16
74) N-amyl acetate	12.09	43	4920	1.55	ug/l #	61
76) 1,2,3-Trichloropropane	12.48	75	66746	45.15	ug/l #	100
77) Bromobenzene	12.70	156	6645	3.10	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.48	75	66746	85.44	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.02 min

Lab File: VY001405.D

Acq: 27 Jan 2020 15:00

Instrument :

MSVOA_Y

ClientSampled :

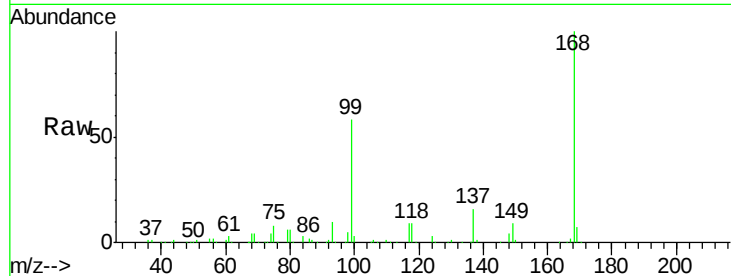
TP-4-5

Tgt Ion: 168 Resp: 170126

Ion Ratio Lower Upper

168 100

99 57.7 44.3 66.5



Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.80

80000

60000

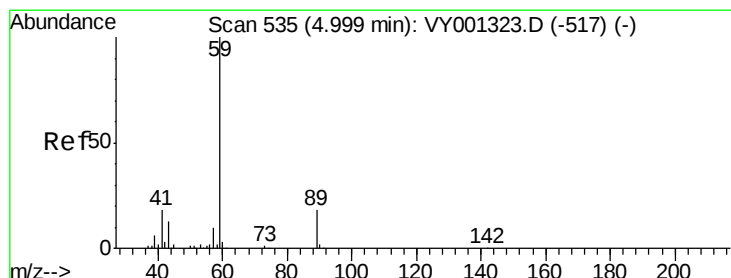
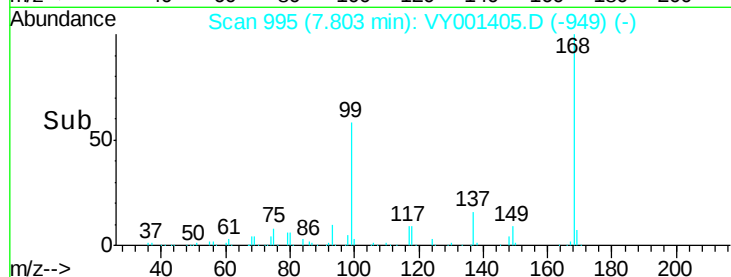
40000

20000

0

7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.98 min Scan# 532

Delta R.T. -0.02 min

Lab File: VY001405.D

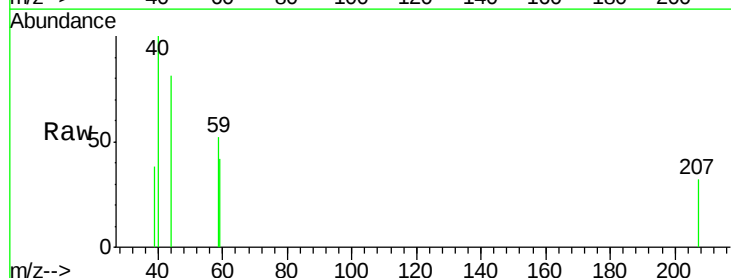
Acq: 27 Jan 2020 15:00

Tgt Ion: 59 Resp: 322

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001323.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VY001323.D (-517) (-)

4.98

200

150

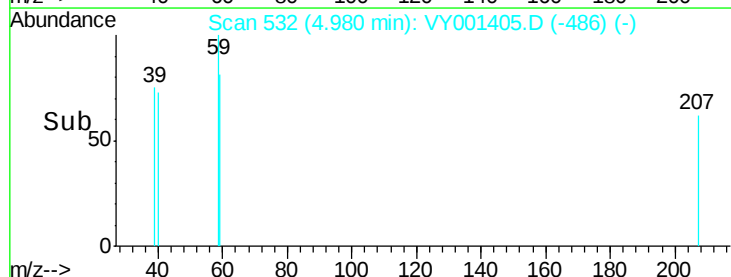
100

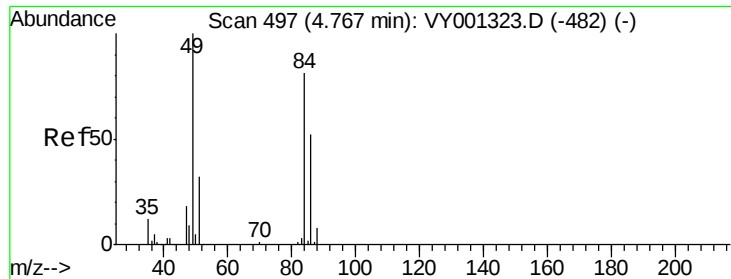
50

0

4.95 5.00

Time-->

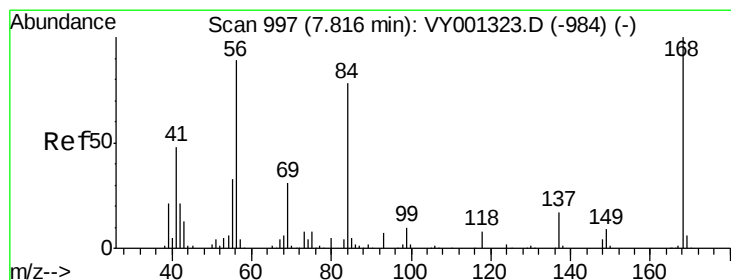
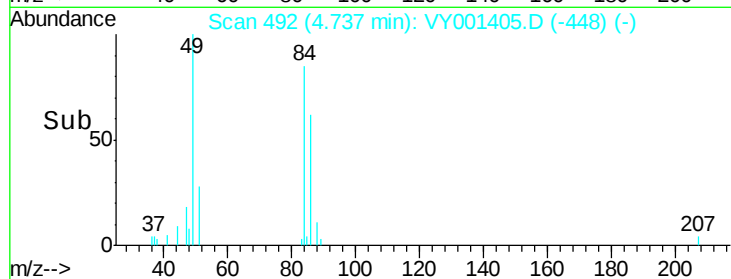
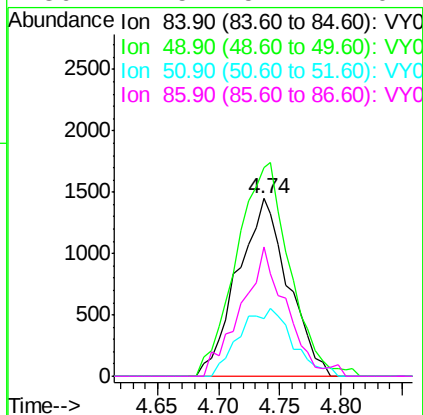
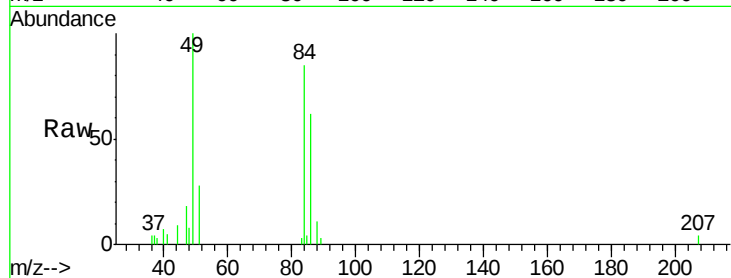




#20
Methylene Chloride
Concen: Below Cal
RT: 4.74 min Scan# 492
Delta R.T. -0.03 min
Lab File: VY001405.D
Acq: 27 Jan 2020 15:00

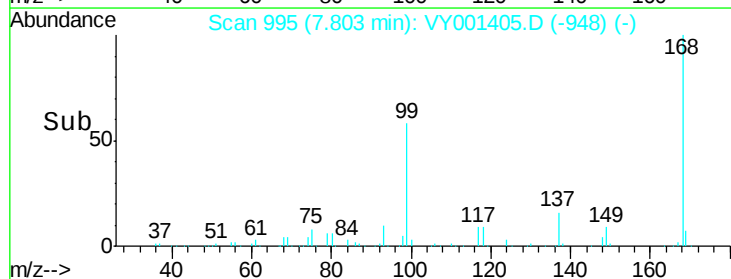
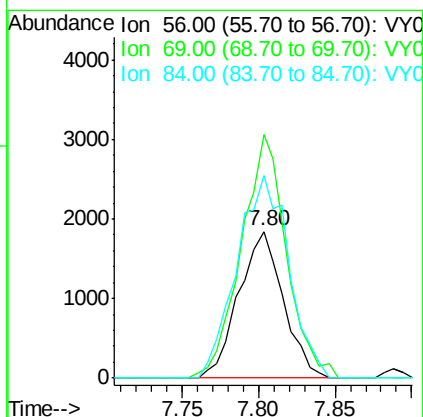
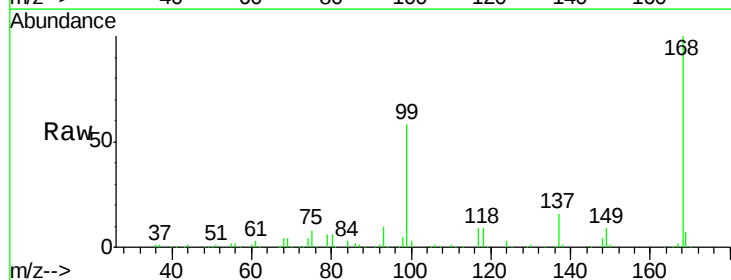
Instrument :
MSVOA_Y
ClientSampled :
TP-4-5

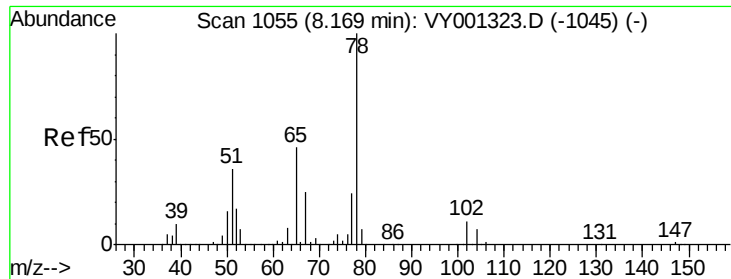
Tgt Ion:	84	Resp:	4171
Ion	Ratio	Lower	Upper
84	100		
49	117.1	98.3	147.5
51	32.6	31.6	47.4
86	72.5	51.1	76.7



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001405.D
Acq: 27 Jan 2020 15:00

Tgt Ion:	56	Resp:	3717
Ion	Ratio	Lower	Upper
56	100		
69	166.4	27.6	41.4#
84	138.6	69.7	104.5#





#33

1,2-Dichloroethane-d4

Concen: 51.05 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001405.D

Acq: 27 Jan 2020 15:00

Instrument :

MSVOA_Y

ClientSampleId :

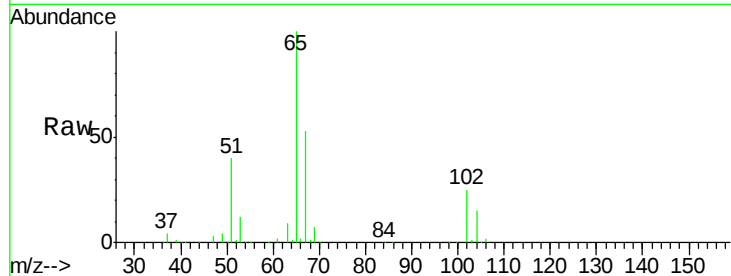
TP-4-5

Tgt Ion: 65 Resp: 94509

Ion Ratio Lower Upper

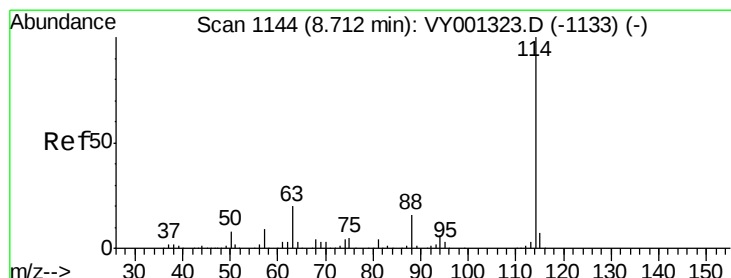
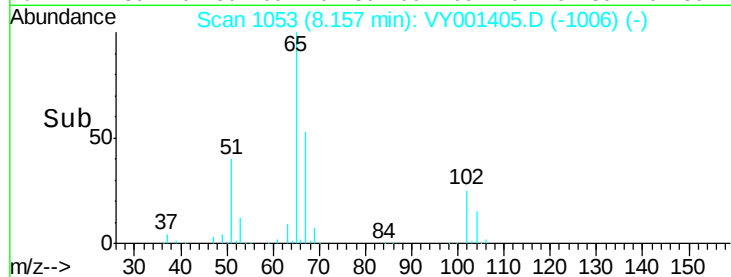
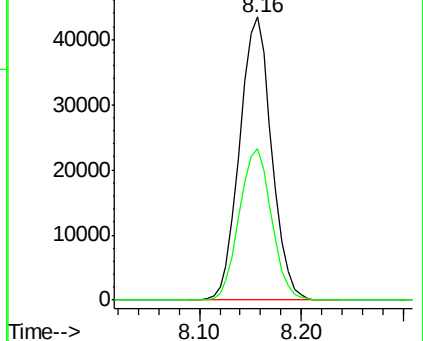
65 100

67 54.1 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VY001405.D

Acq: 27 Jan 2020 15:00

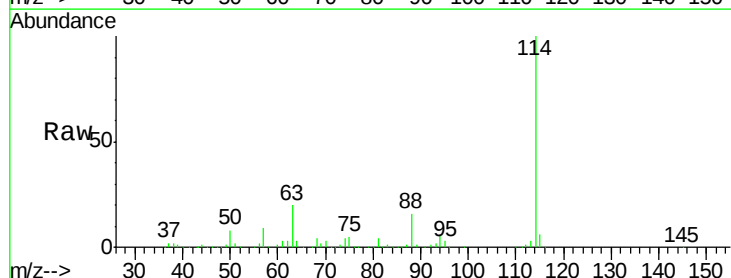
Tgt Ion: 114 Resp: 309147

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

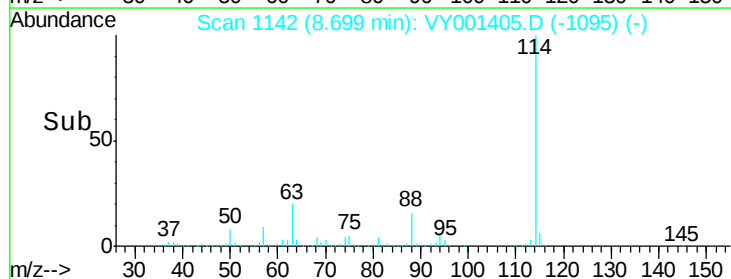
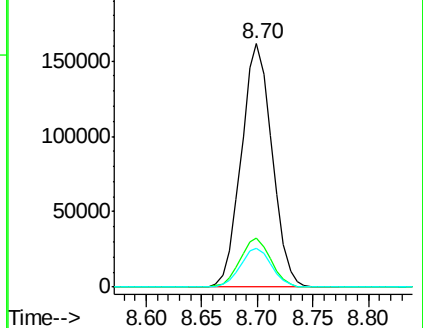
88 15.7 0.0 31.0

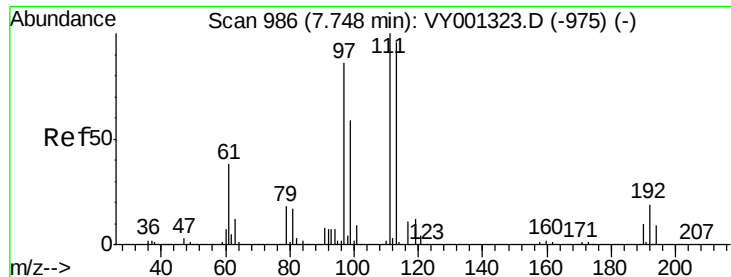


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

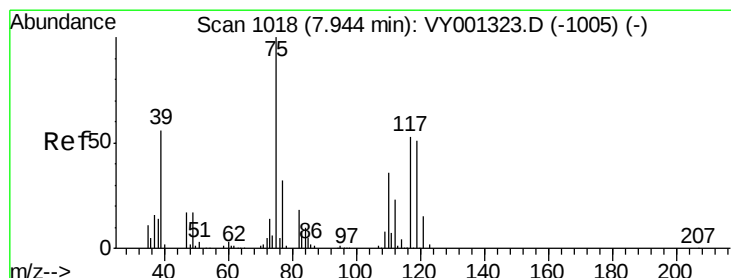
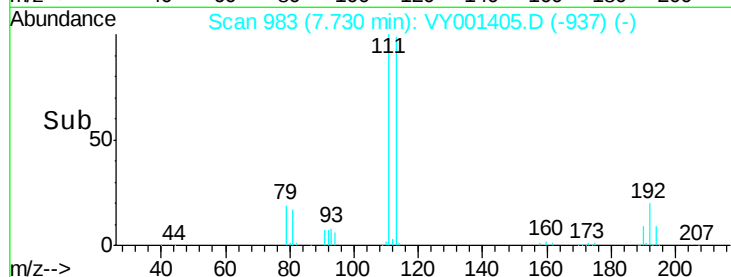
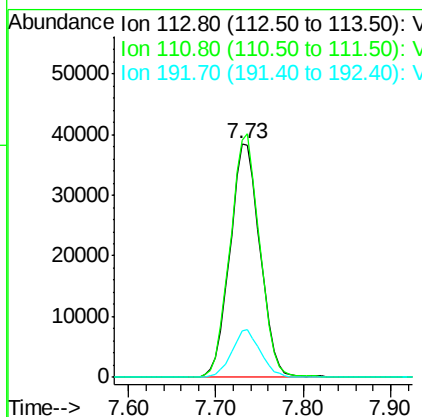
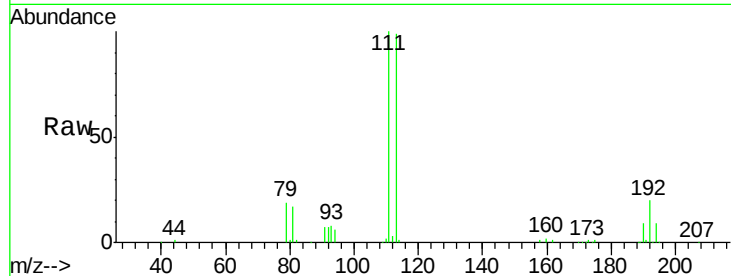




#35
 Dibromofluoromethane
 Concen: 50.81 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.02 min
 Lab File: VY001405.D
 Acq: 27 Jan 2020 15:00

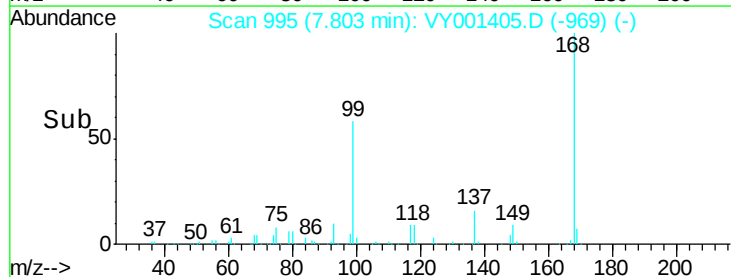
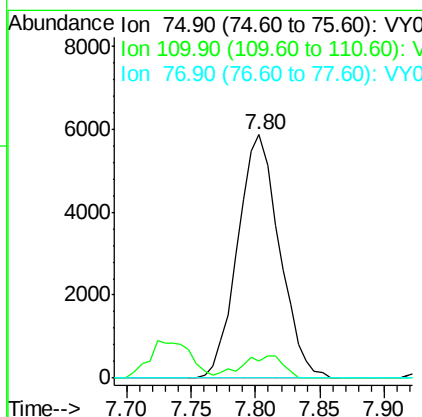
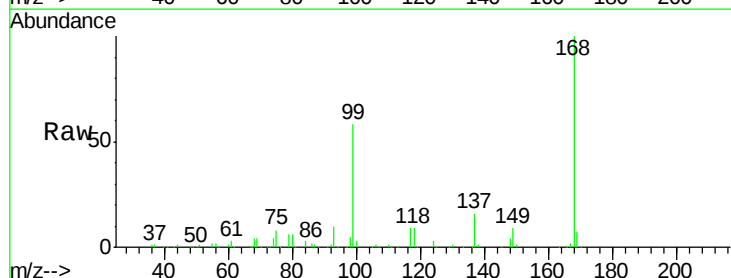
Instrument :
 MSVOA_Y
 ClientSampled :
 TP-4-5

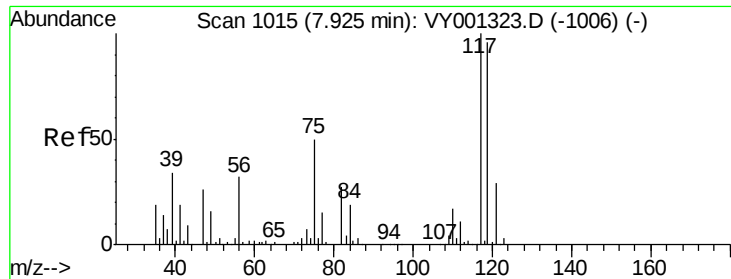
Tgt Ion:113 Resp: 92192
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.8 124.2
 192 19.4 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 4.52 ug/l
 RT: 7.80 min Scan# 995
 Delta R.T. -0.14 min
 Lab File: VY001405.D
 Acq: 27 Jan 2020 15:00

Tgt Ion: 75 Resp: 13209
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.6 52.8#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.23 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY001405.D

Acq: 27 Jan 2020 15:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-4-5

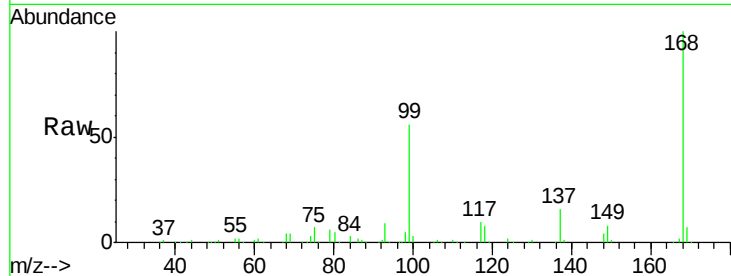
Tgt Ion: 117 Resp: 16217

Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

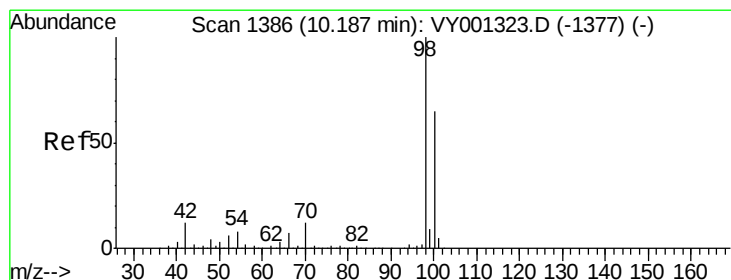
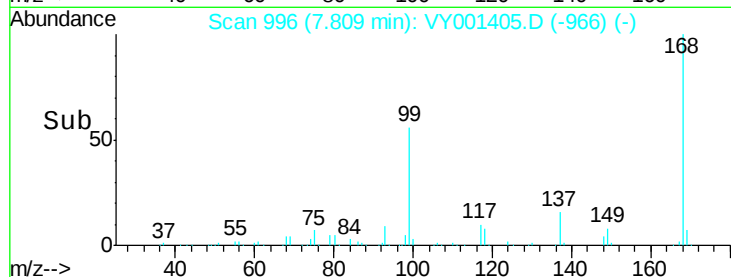
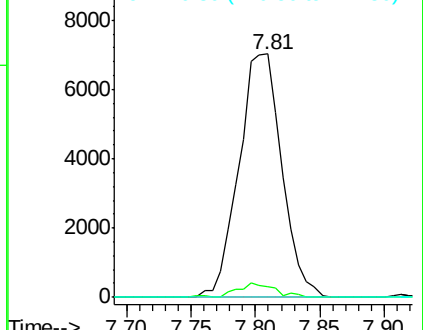
121 0.0 23.5 35.3#



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: 51.95 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001405.D

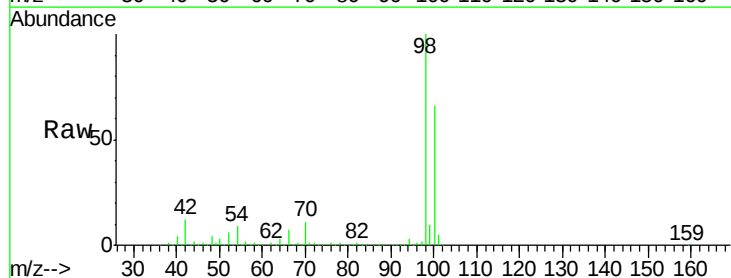
Acq: 27 Jan 2020 15:00

Tgt Ion: 98 Resp: 366208

Ion Ratio Lower Upper

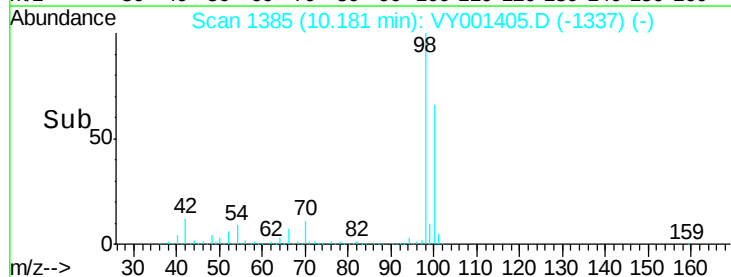
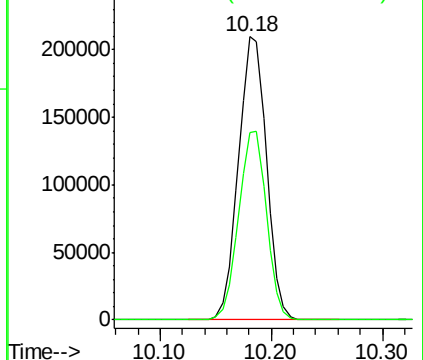
98 100

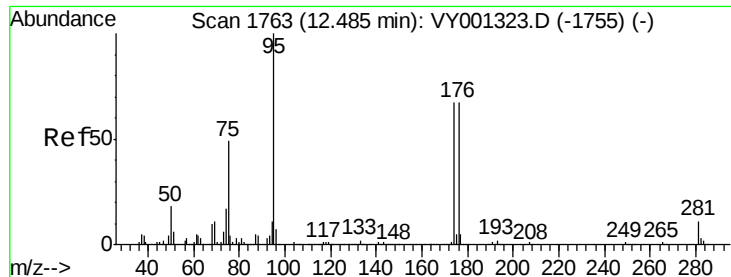
100 66.4 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

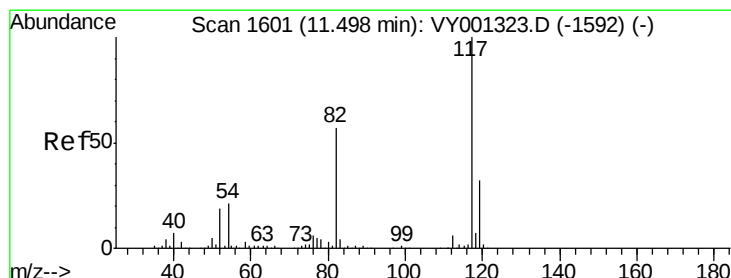
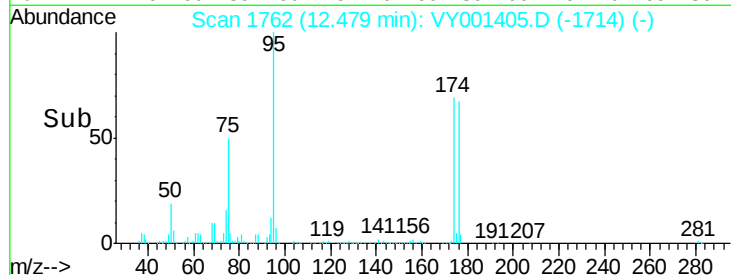
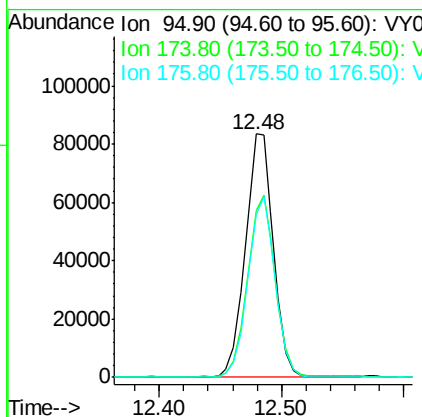
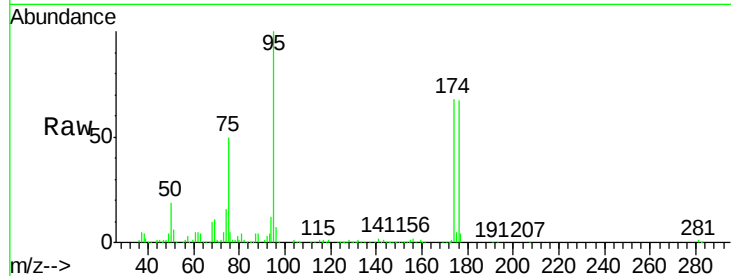




#62
4-Bromofluorobenzene
Concen: 46.90 ug/l
RT: 12.48 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VY001405.D
Acq: 27 Jan 2020 15:00

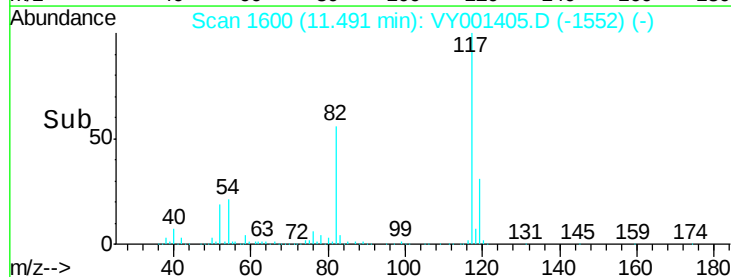
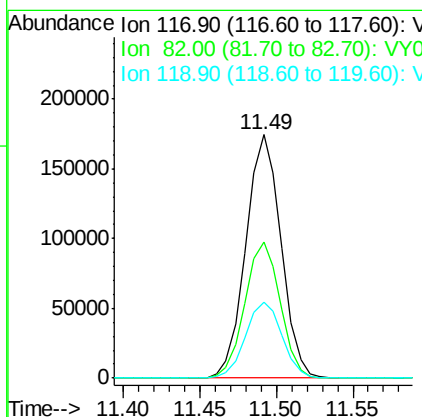
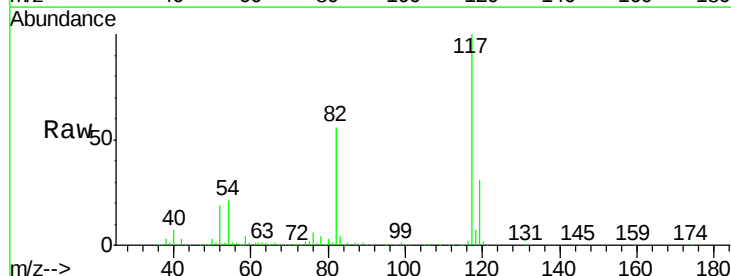
Instrument :
MSVOA_Y
ClientSampled :
TP-4-5

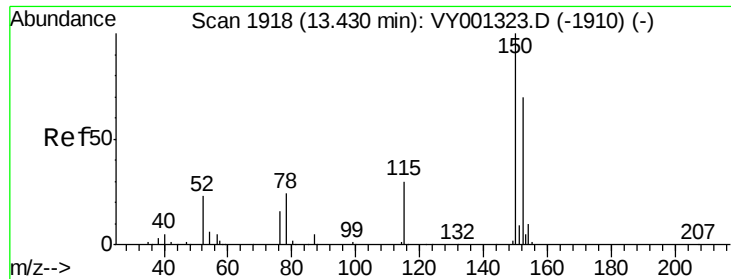
Tgt Ion: 95 Resp: 131661
Ion Ratio Lower Upper
95 100
174 73.8 0.0 142.0
176 72.2 0.0 138.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001405.D
Acq: 27 Jan 2020 15:00

Tgt Ion: 117 Resp: 278719
Ion Ratio Lower Upper
117 100
82 55.9 45.5 68.3
119 31.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY001405.D

Acq: 27 Jan 2020 15:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-4-5

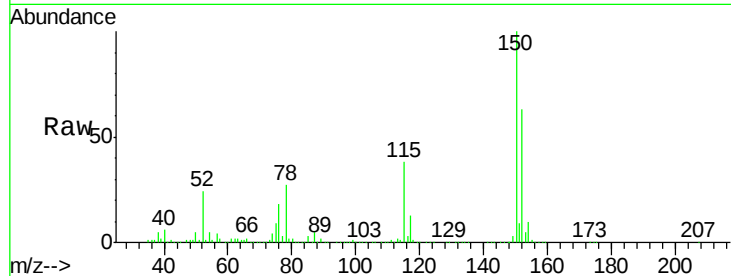
Tgt Ion:152 Resp: 122684

Ion Ratio Lower Upper

152 100

115 60.9 30.9 92.8

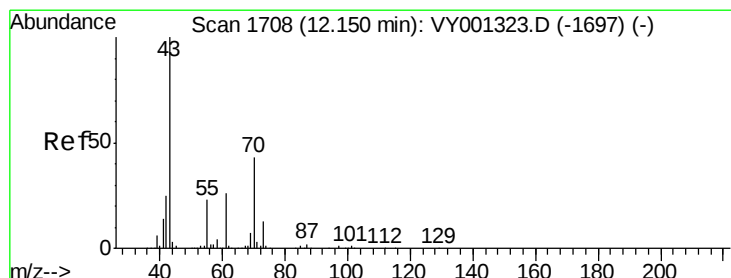
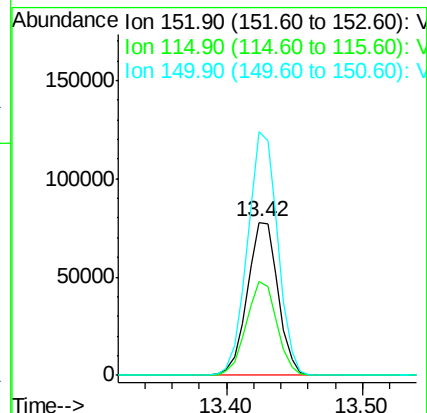
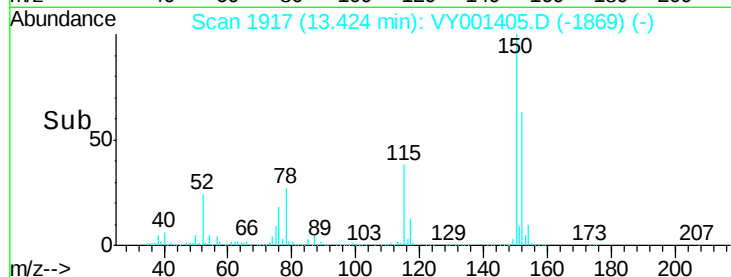
150 157.4 0.0 349.2



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



#74

N-ethyl acetate

Concen: 1.55 ug/l

RT: 12.09 min Scan# 1698

Delta R.T. -0.06 min

Lab File: VY001405.D

Acq: 27 Jan 2020 15:00

Tgt Ion: 43 Resp: 4920

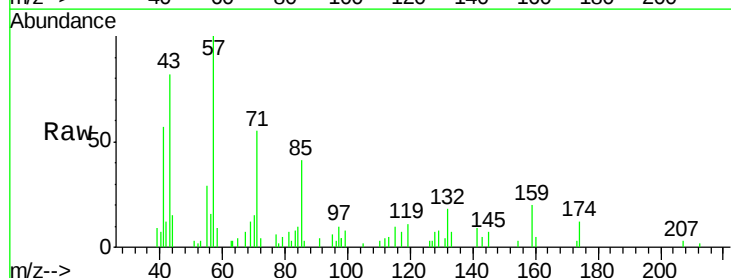
Ion Ratio Lower Upper

43 100

70 13.8 33.5 50.3#

55 14.5 18.2 27.2#

61 0.0 19.6 29.4#

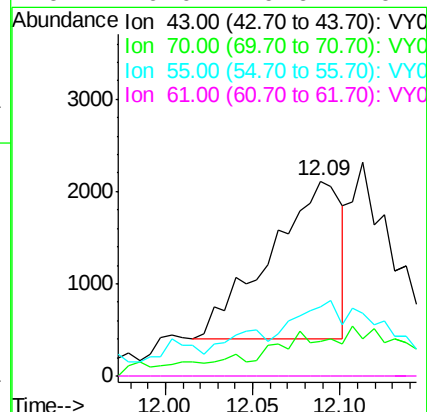
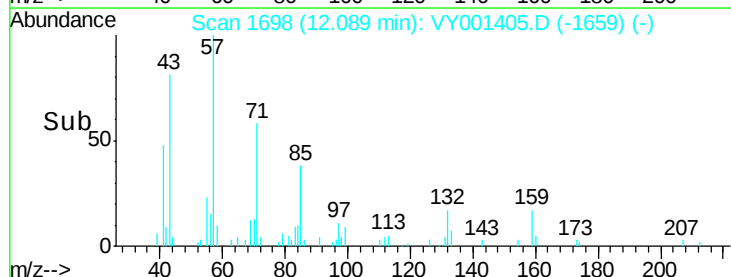


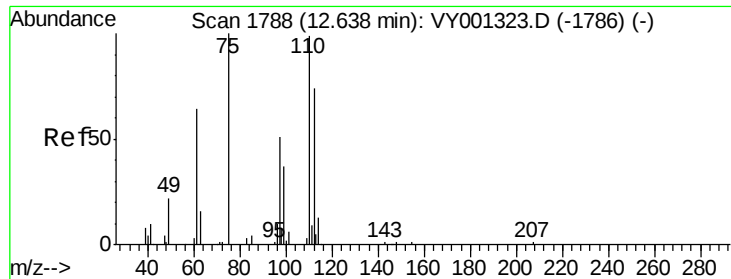
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#76

1,2,3-Trichloropropane

Concen: 45.15 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.16 min

Lab File: VY001405.D

Acq: 27 Jan 2020 15:00

Instrument :

MSVOA_Y

ClientSampleId :

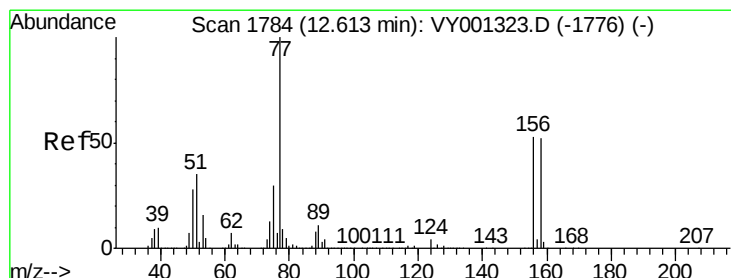
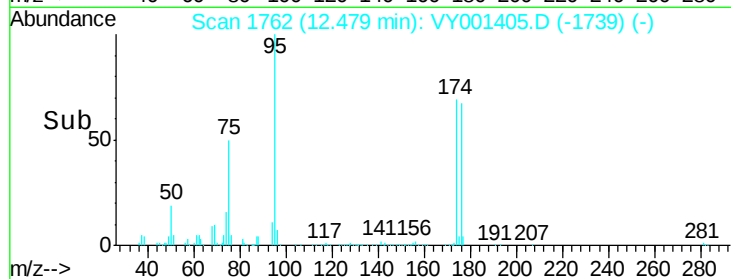
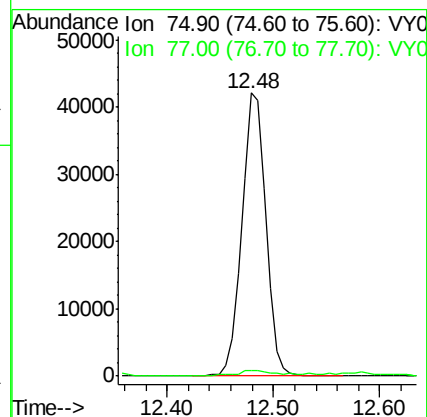
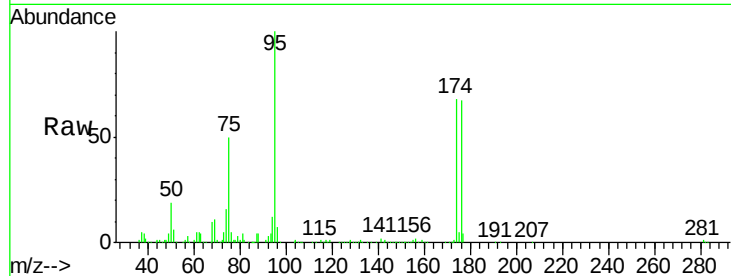
TP-4-5

Tgt Ion: 75 Resp: 66746

Ion Ratio Lower Upper

75 100

77 2.7 0.0 0.0#



#77

Bromobenzene

Concen: 3.10 ug/l

RT: 12.70 min Scan# 1798

Delta R.T. 0.09 min

Lab File: VY001405.D

Acq: 27 Jan 2020 15:00

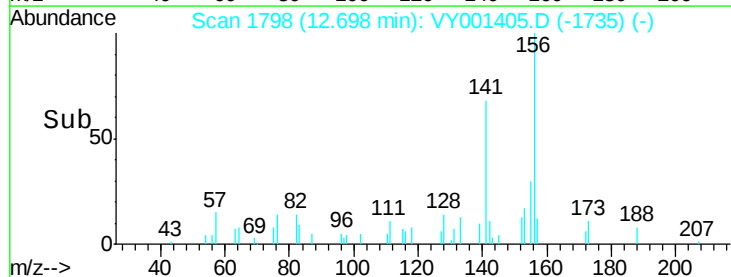
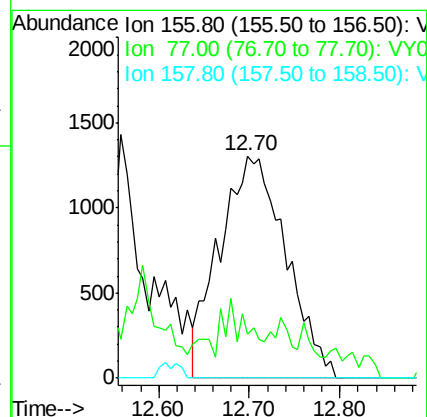
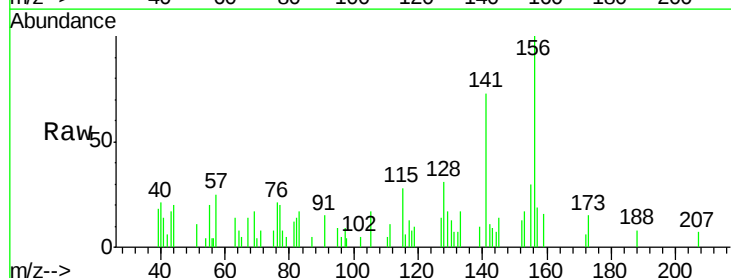
Tgt Ion: 156 Resp: 6645

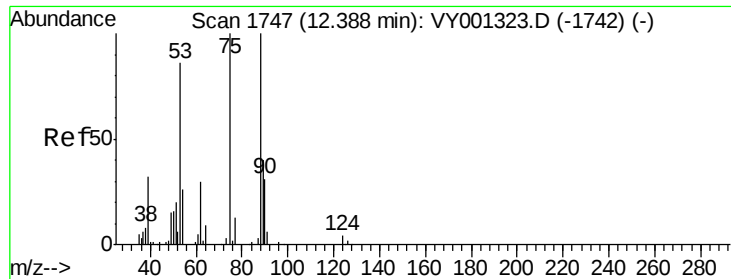
Ion Ratio Lower Upper

156 100

77 9.9 104.7 313.9#

158 0.0 48.6 145.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 85.44 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.09 min

Lab File: VY001405.D

Acq: 27 Jan 2020 15:00

Instrument :

MSVOA_Y

ClientSampleId :

TP-4-5

Tgt Ion: 75 Resp: 66746

Ion Ratio Lower Upper

75 100

53 0.2 69.9 104.9#

89 0.0 36.6 54.8#

