

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002075.D
 Acq On : 25 Mar 2020 18:21
 Operator : SY/MD
 Sample : L2043-01
 Misc : 6.63G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:37:09 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	128585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	252705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	234101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	104877	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	82754	60.28	ug/l	0.00
Spiked Amount			Recovery	=	120.56%	
35) Dibromofluoromethane	7.75	113	74837	54.23	ug/l	0.00
Spiked Amount			Recovery	=	108.46%	
50) Toluene-d8	10.19	98	309018	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
62) 4-Bromofluorobenzene	12.49	95	108164	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	

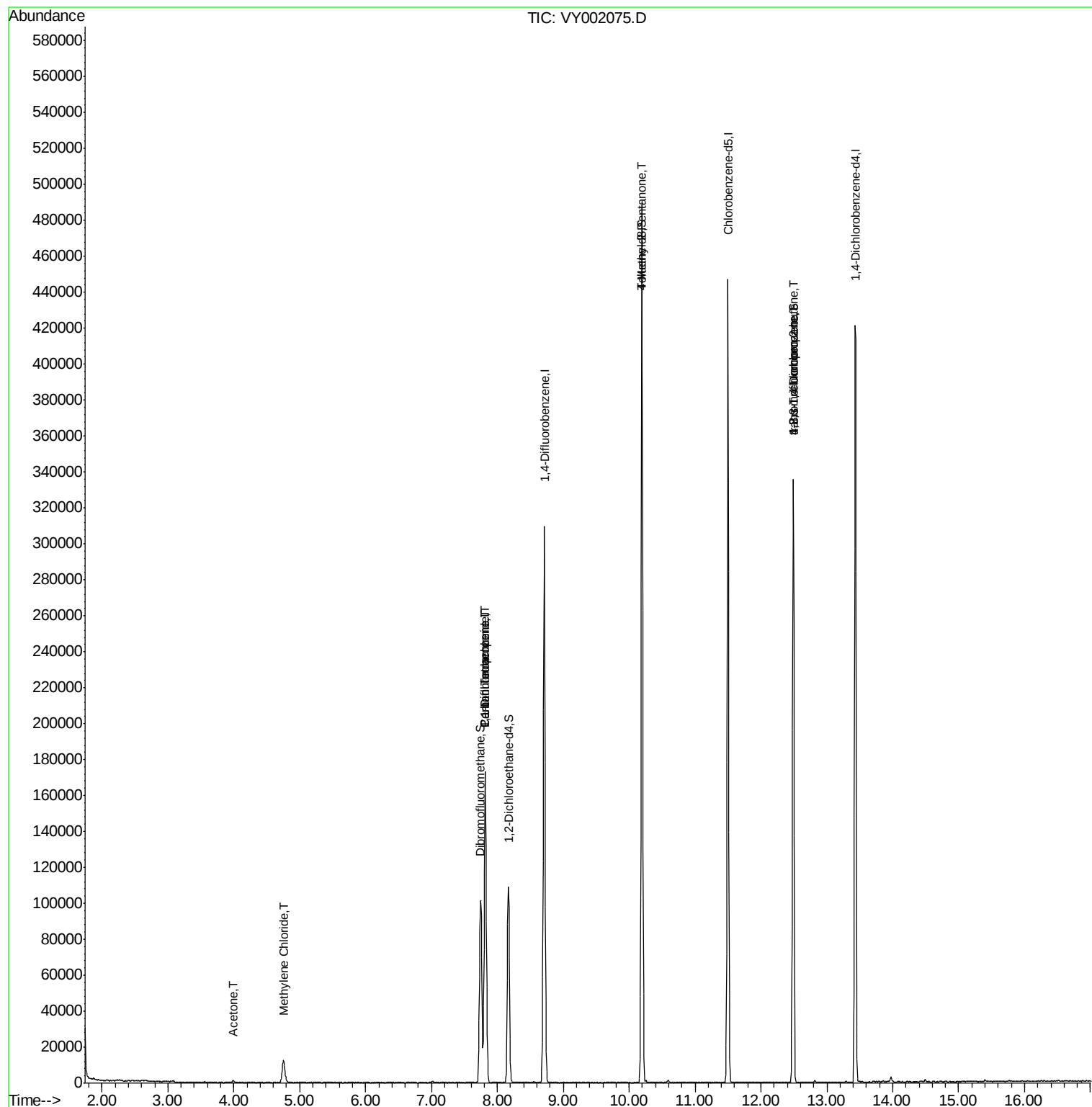
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.59	94	19	Below Cal	#	4
11) Tert butyl alcohol	5.00	59	50	Below Cal	#	74
16) Acetone	3.99	43	1684	4.212	ug/l #	74
20) Methylene Chloride	4.75	84	8808	5.140	ug/l	97
36) 1,1-Dichloropropene	7.82	75	10973	4.512	ug/l #	49
38) Carbon Tetrachloride	7.82	117	13034	6.274	ug/l #	16
51) 4-Methyl-2-Pentanone	10.19	43	1401	1.016	ug/l #	1
76) 1,2,3-Trichloropropane	12.49	75	54807	44.042	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	54807	88.962	ug/l #	17

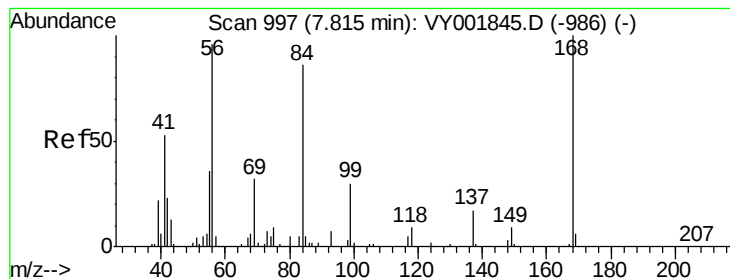
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
Data File : VY002075.D
Acq On : 25 Mar 2020 18:21
Operator : SY/MD
Sample : L2043-01
Misc : 6.63G/5ML/MSVOA Y/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Mar 26 06:37:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 04:05:33 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.00 min

Lab File: VY002075.D

Acq: 25 Mar 2020 18:21

Instrument :

MSVOA_Y

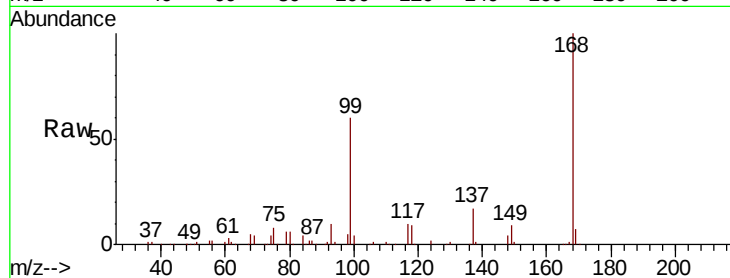
ClientSampled :

Tot Ion:168 Resp: 128585

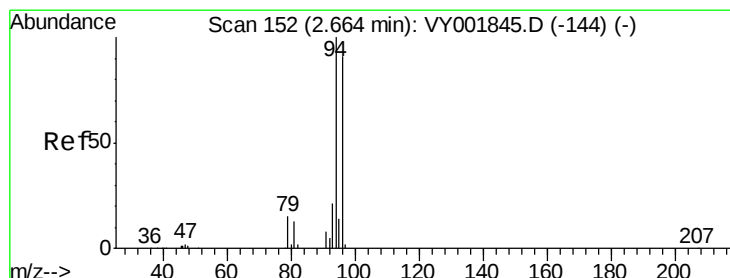
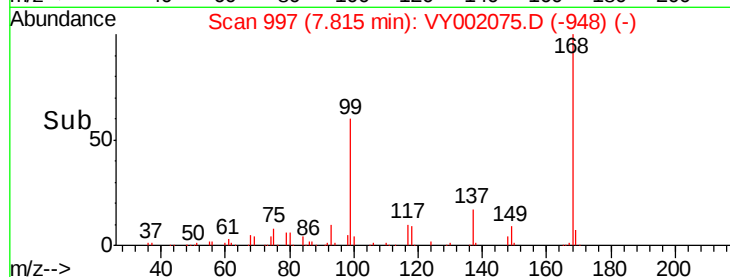
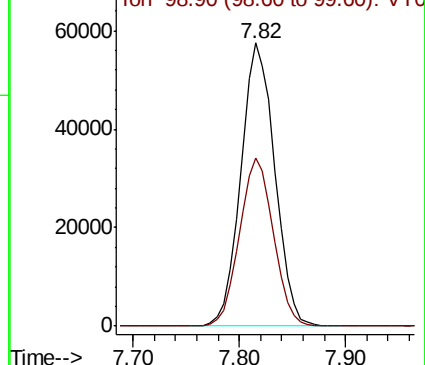
Ion Ratio Lower Upper

168 100

99 59.6 46.7 70.1



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



#5

Bromomethane

Concen: Below Cal

RT: 2.59 min Scan# 140

Delta R.T. -0.07 min

Lab File: VY002075.D

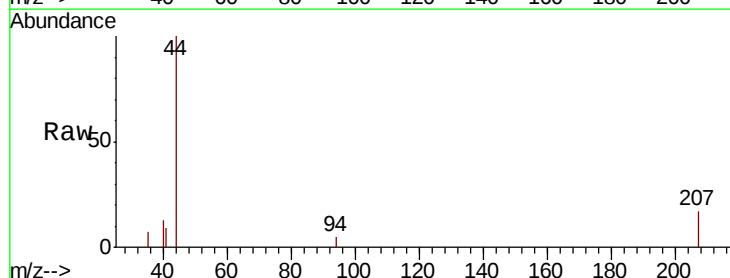
Acq: 25 Mar 2020 18:21

Tgt Ion: 94 Resp: 19

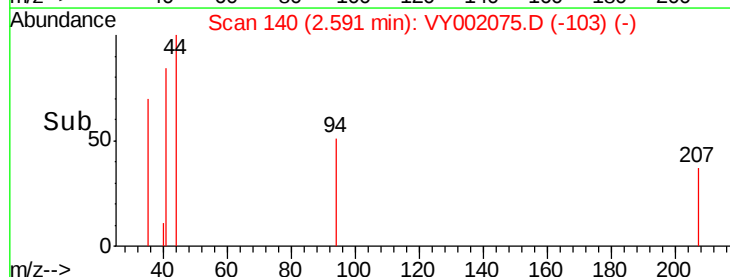
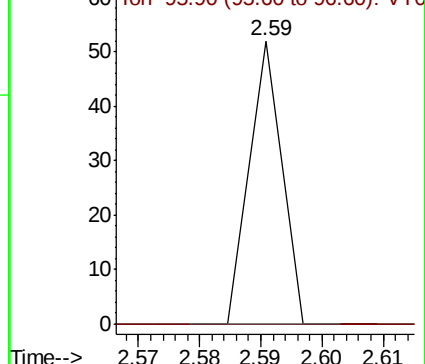
Ion Ratio Lower Upper

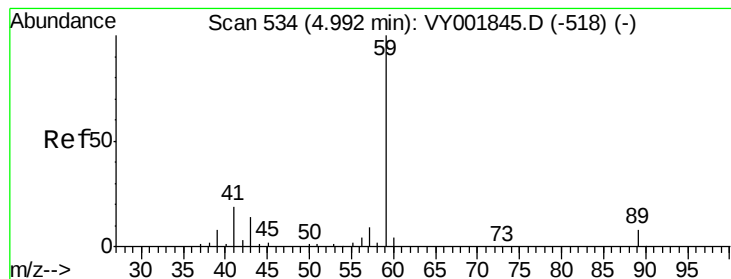
94 100

96 0.0 73.2 109.8#



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



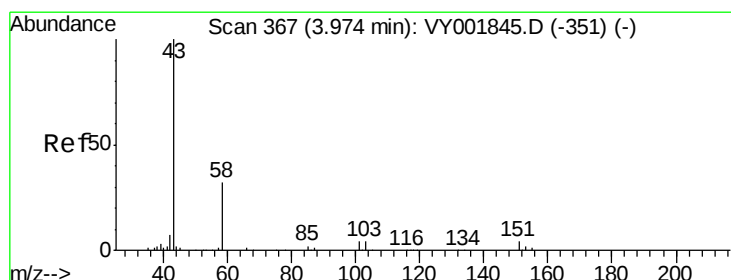
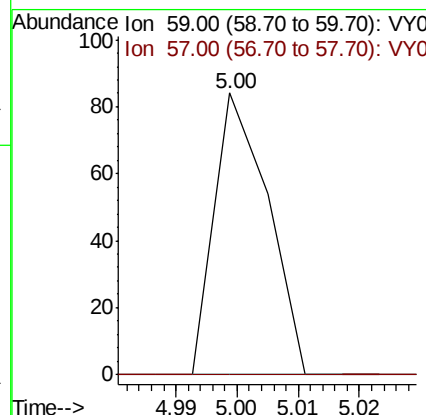
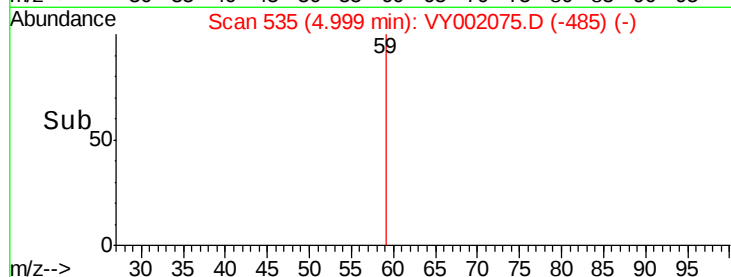
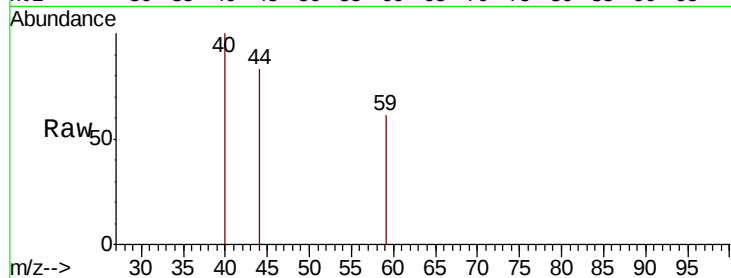


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.00 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VY002075.D
 Acq: 25 Mar 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :

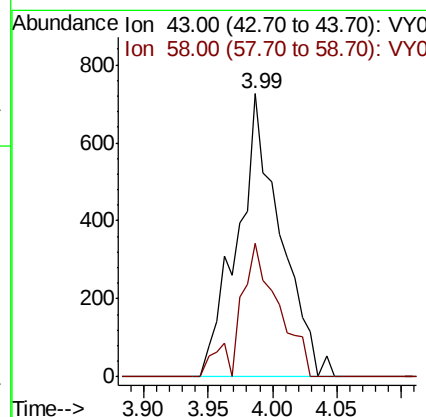
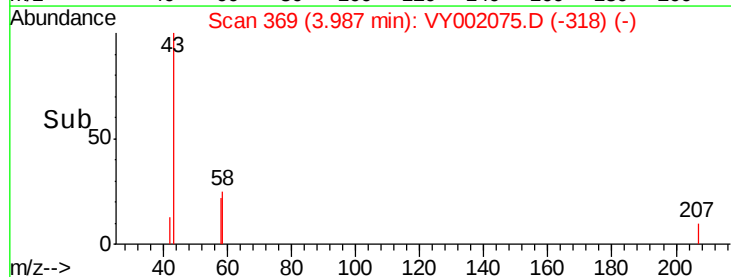
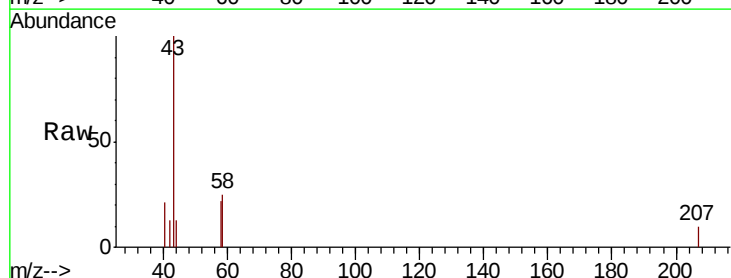
Tot Ion: 59 Resp: 50
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

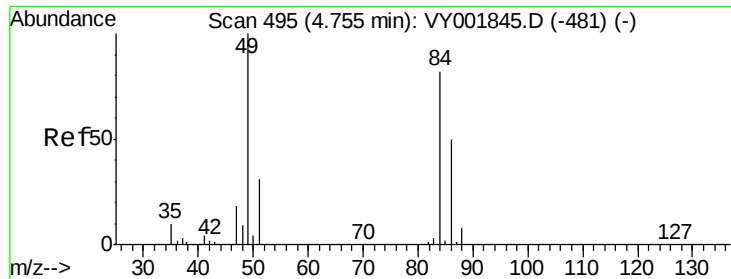


#16

Acetone
 Concen: 4.212 ug/l
 RT: 3.99 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VY002075.D
 Acq: 25 Mar 2020 18:21

Tgt Ion: 43 Resp: 1684
 Ion Ratio Lower Upper
 43 100
 58 47.1 25.9 38.9#

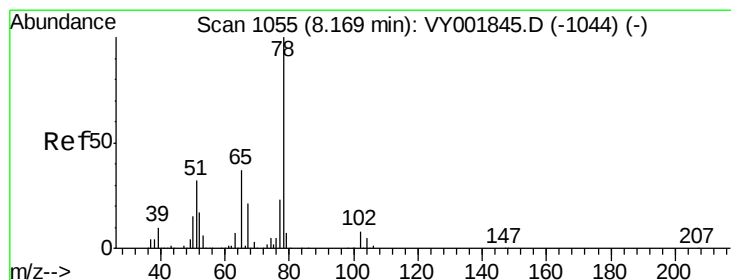
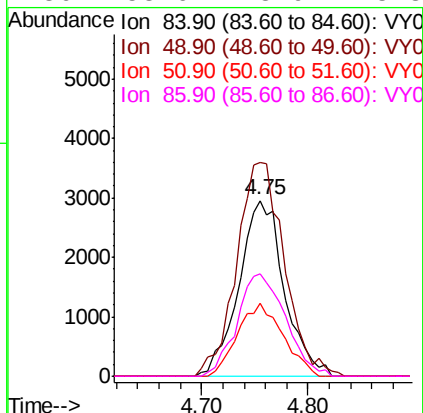
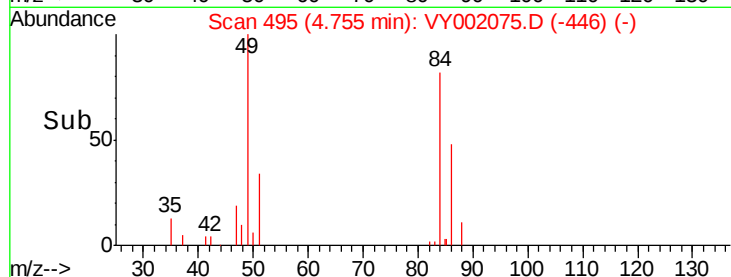
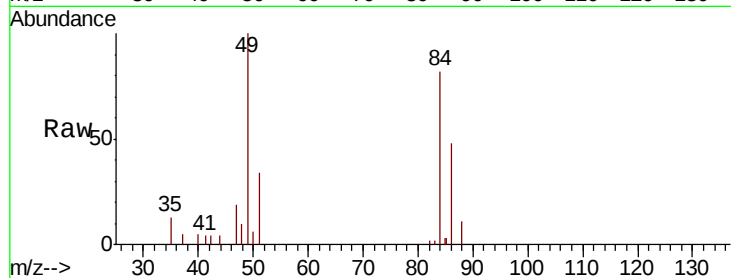




#20
Methvlene Chloride
Concen: 5.140 ug/l
RT: 4.75 min Scan# 495
Delta R.T. 0.00 min
Lab File: VY002075.D
Acq: 25 Mar 2020 18:21

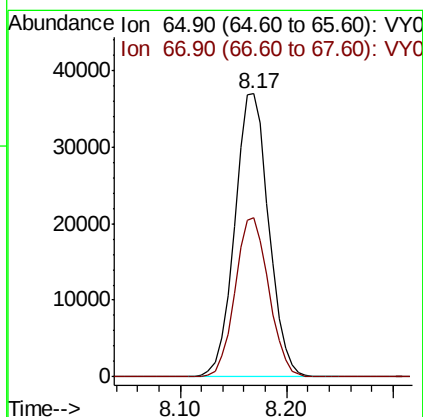
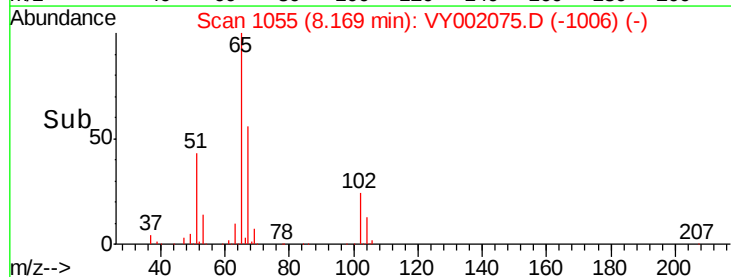
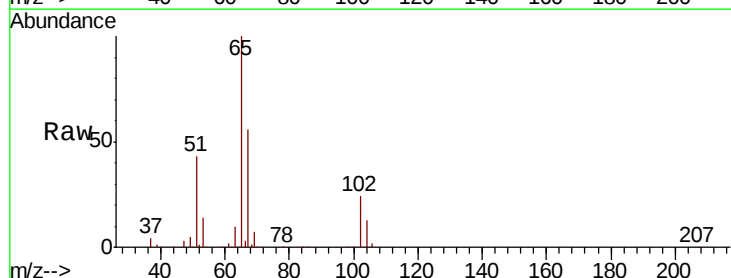
Instrument :
MSVOA_Y
ClientSampled :

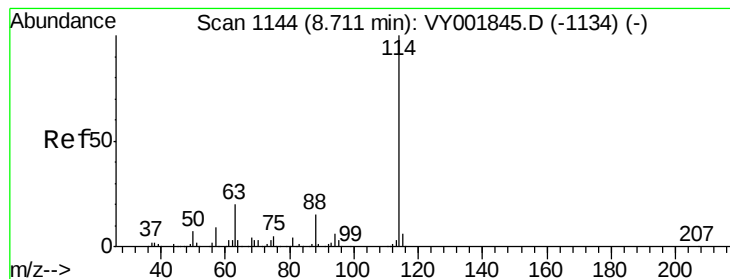
Tot Ion: 84 Resp: 8808
Ion Ratio Lower Upper
84 100
49 121.5 98.2 147.2
51 41.9 30.2 45.2
86 58.6 48.9 73.3



#33
1,2-Dichloroethane-d4
Concen: 60.284 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002075.D
Acq: 25 Mar 2020 18:21

Tgt Ion: 65 Resp: 82754
Ion Ratio Lower Upper
65 100
67 55.7 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: VY002075.D

Acq: 25 Mar 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

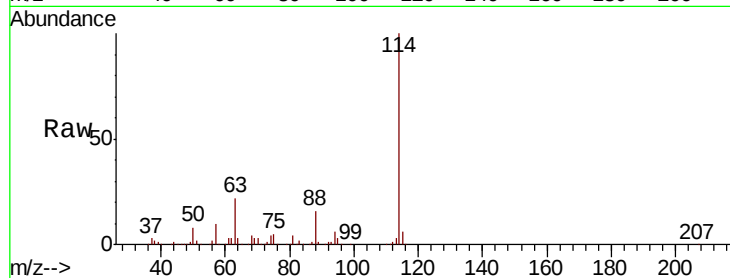
Tot Ion:114 Resp: 252705

Ion Ratio Lower Upper

114 100

63 22.0 0.0 39.4

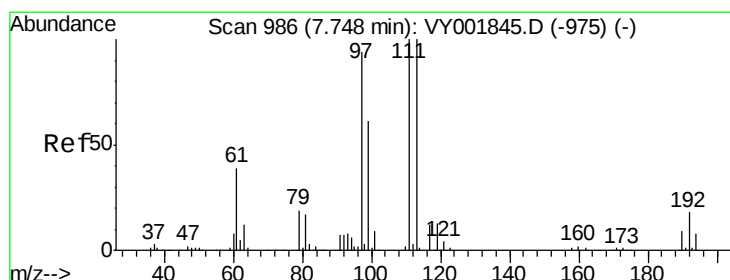
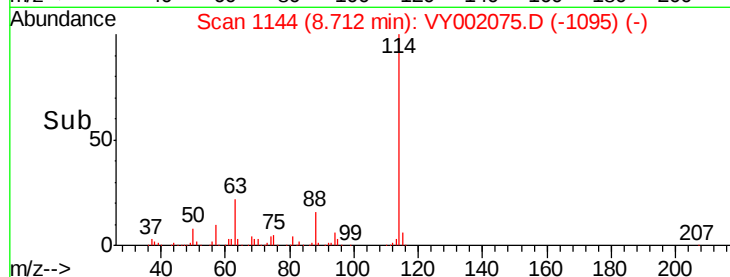
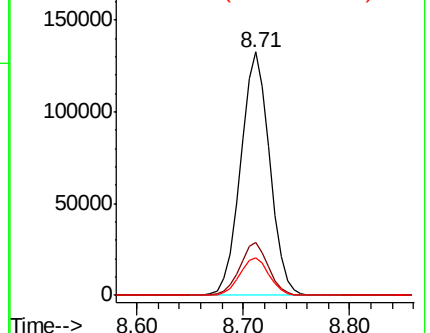
88 15.6 0.0 30.4



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: 54.234 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.00 min

Lab File: VY002075.D

Acq: 25 Mar 2020 18:21

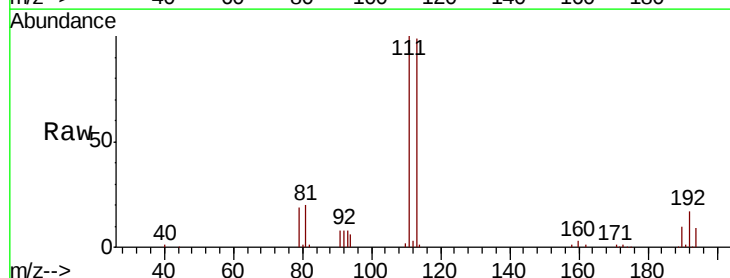
Tgt Ion:113 Resp: 74837

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

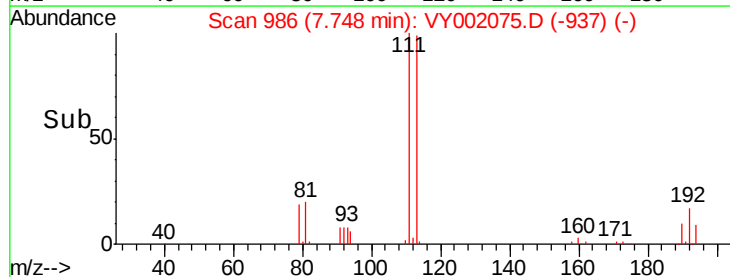
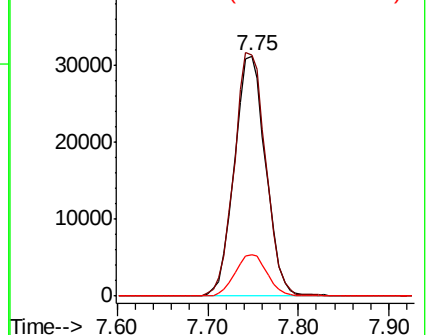
192 17.6 14.2 21.2

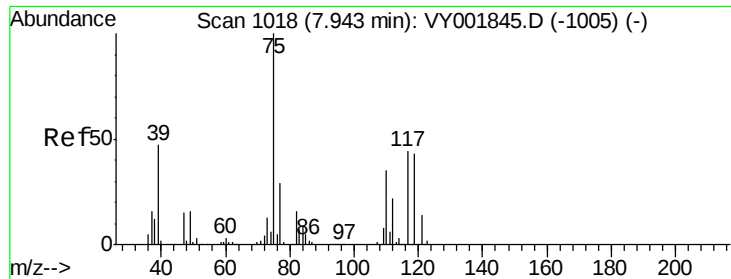


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

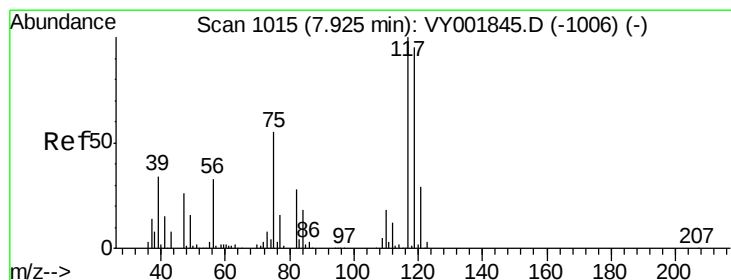
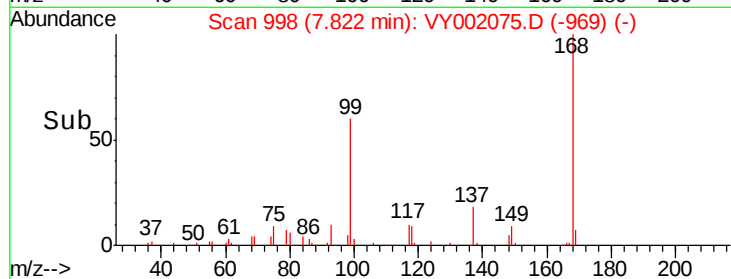
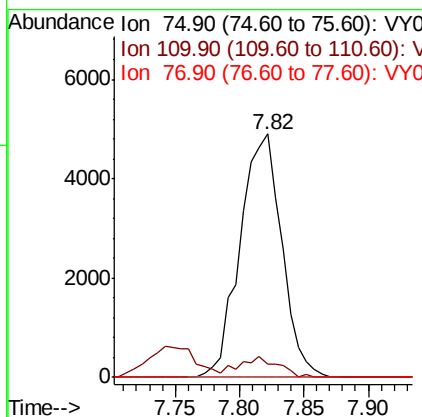
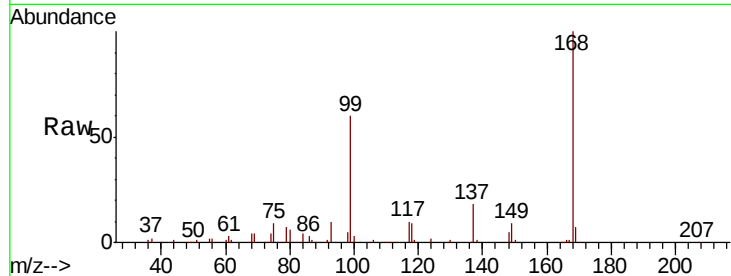




#36
 1,1-Dichloropropene
 Concen: 4.512 ug/l
 RT: 7.82 min Scan# 998
 Delta R.T. -0.12 min
 Lab File: VY002075.D
 Acq: 25 Mar 2020 18:21

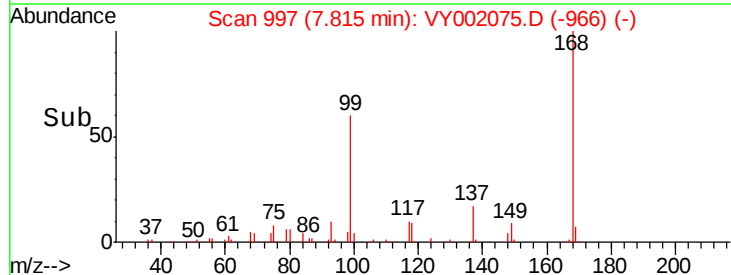
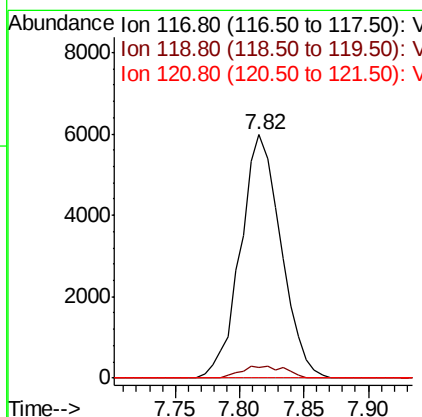
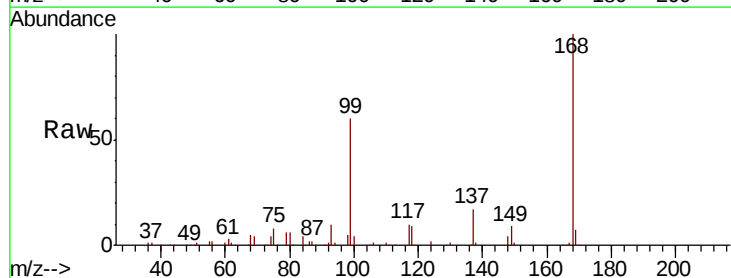
Instrument :
 MSVOA_Y
 ClientSampled :

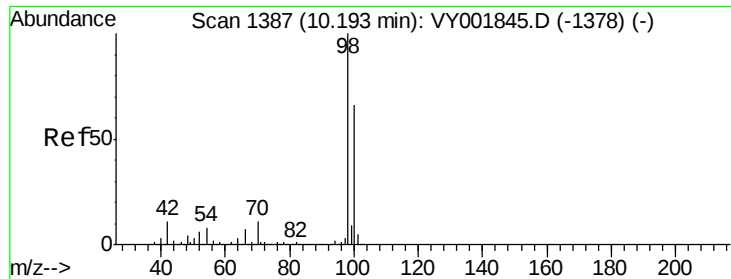
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.4	52.2#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.274 ug/l
 RT: 7.82 min Scan# 997
 Delta R.T. -0.11 min
 Lab File: VY002075.D
 Acq: 25 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.3	114.5#
121	0.0	23.5	35.3#





#50

Toluene-d8

Concen: 53.107 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY002075.D

Acq: 25 Mar 2020 18:21

Instrument :

MSVOA_Y

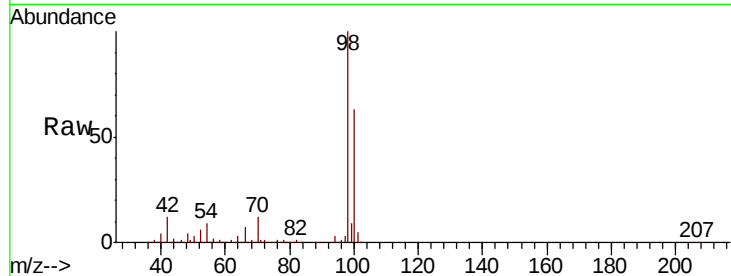
ClientSampleId :

Tot Ion: 98 Resp: 309018

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY

10.19

200000

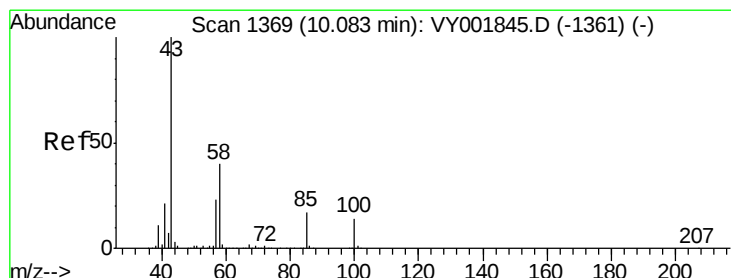
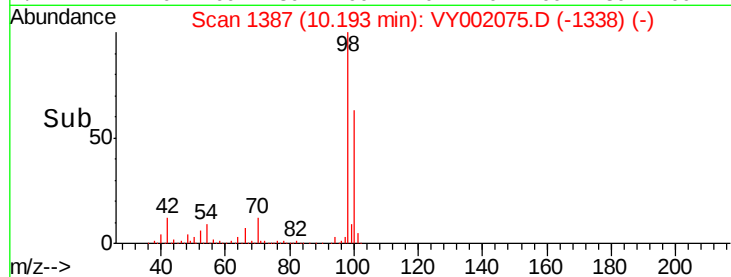
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.016 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.11 min

Lab File: VY002075.D

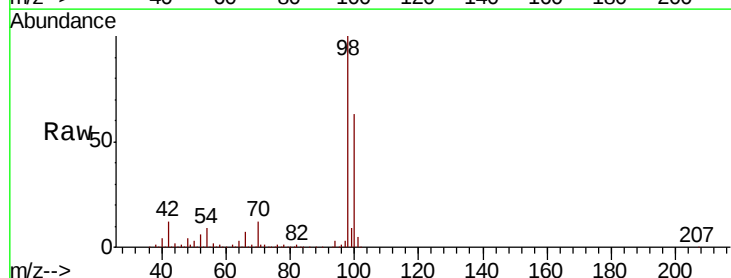
Acq: 25 Mar 2020 18:21

Tgt Ion: 43 Resp: 1401

Ion Ratio Lower Upper

43 100

58 206.7 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

2000

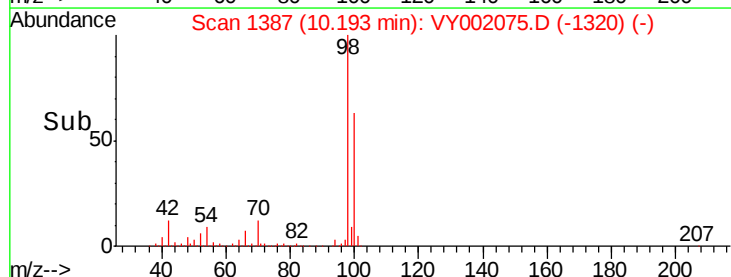
1500

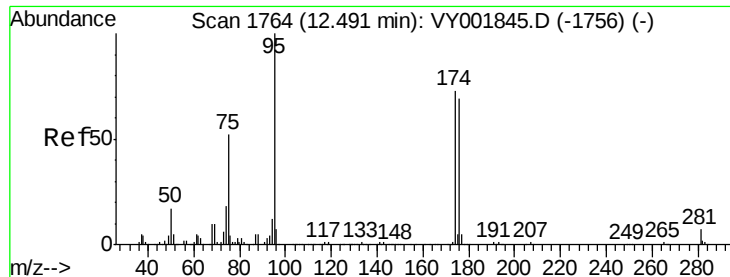
1000

500

0

Time-->

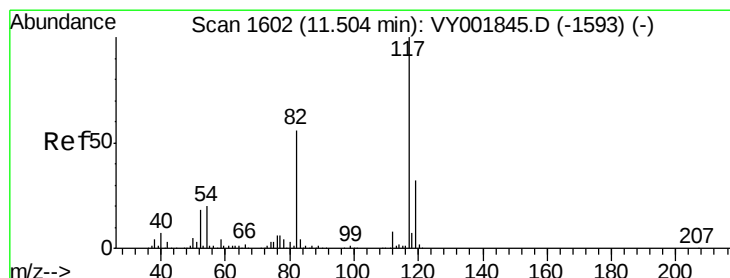
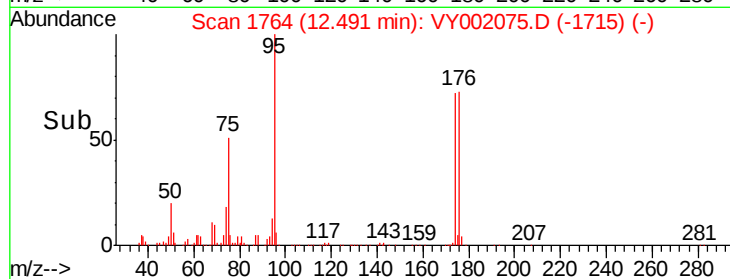
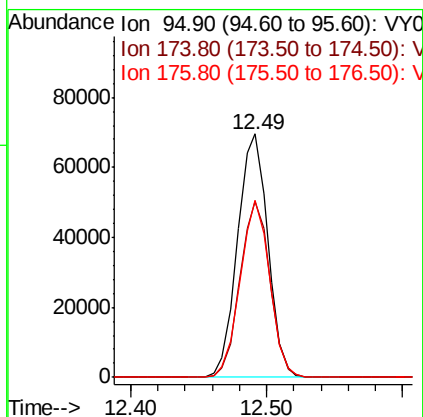
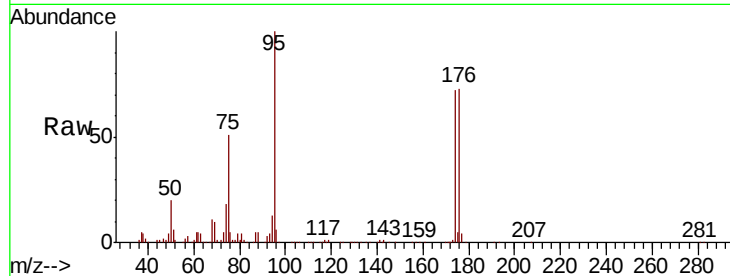




#62
4-Bromofluorobenzene
Concen: 53.461 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY002075.D
Acq: 25 Mar 2020 18:21

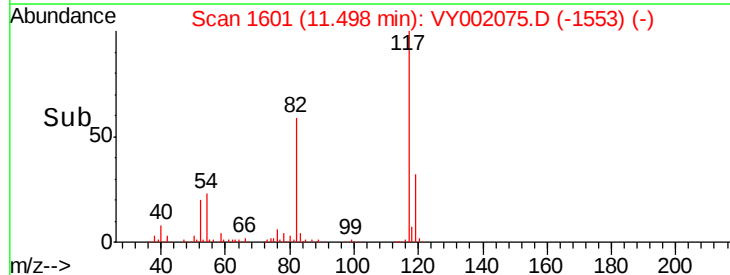
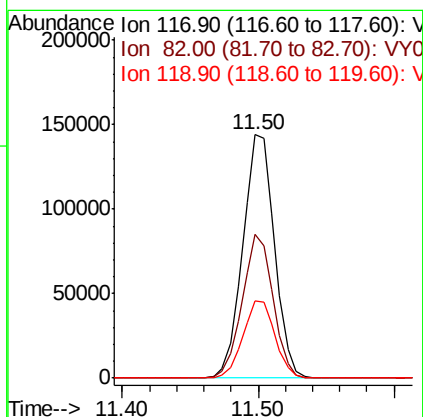
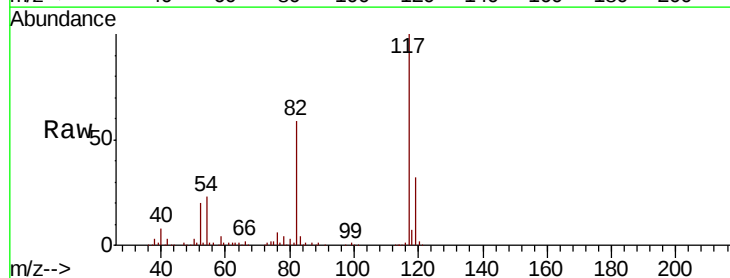
Instrument :
MSVOA_Y
ClientSampleId :

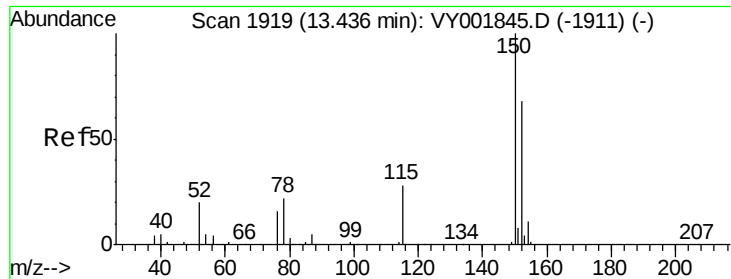
Tot Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	145.0
176	70.8	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY002075.D
Acq: 25 Mar 2020 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	44.5	66.7
119	31.7	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: VY002075.D

Acq: 25 Mar 2020 18:21

Instrument :

MSVOA_Y

ClientSampled :

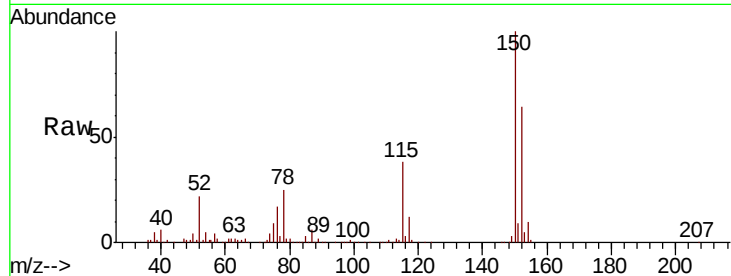
Tot Ion:152 Resp: 104877

Ion Ratio Lower Upper

152 100

115 61.2 29.9 89.7

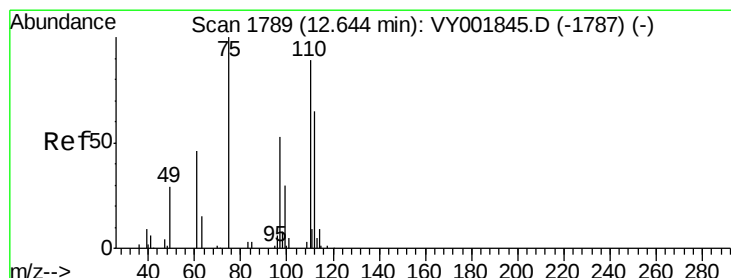
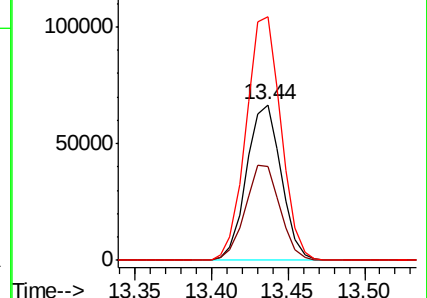
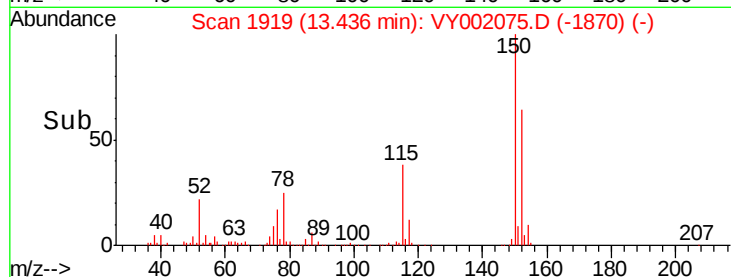
150 157.2 0.0 340.6



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: 44.042 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. -0.15 min

Lab File: VY002075.D

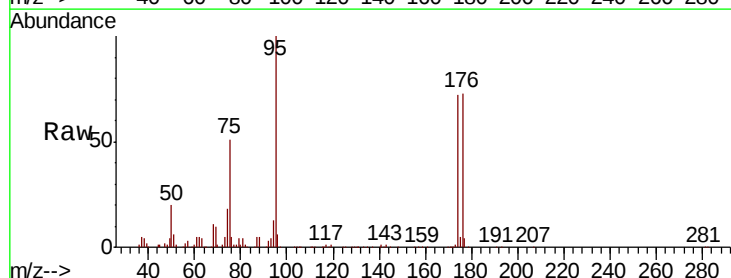
Acq: 25 Mar 2020 18:21

Tgt Ion: 75 Resp: 54807

Ion Ratio Lower Upper

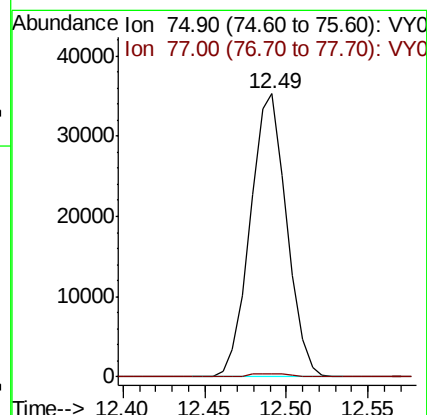
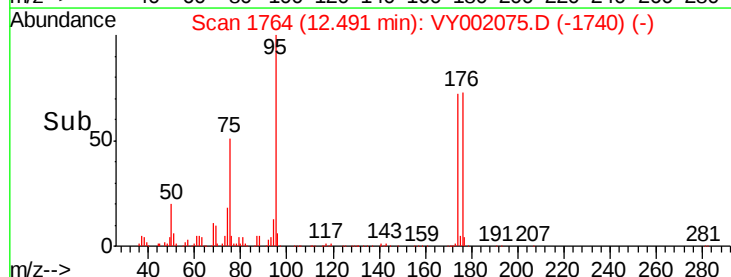
75 100

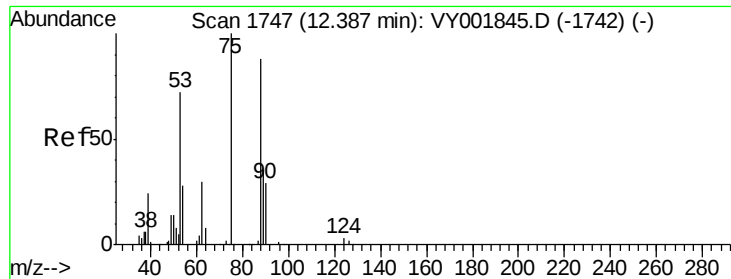
77 1.3 0.0 0.0#



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: 88.962 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.10 min
 Lab File: VY002075.D
 Acq: 25 Mar 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 75 Resp: 54807
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.4 98.0#
 89 0.0 36.0 54.0#

