

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY032520\
 Data File : VY002079.D
 Acq On : 25 Mar 2020 19:51
 Operator : SY/MD
 Sample : L2042-03
 Misc : 5.06G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 26 06:37:54 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	127271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	251654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	231775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	99402	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.18	65	82187	60.49	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	120.98%	
35) Dibromofluoromethane	7.75	113	75050	54.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.24%	
50) Toluene-d8	10.20	98	308461	53.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.50	95	103932	51.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.16%	

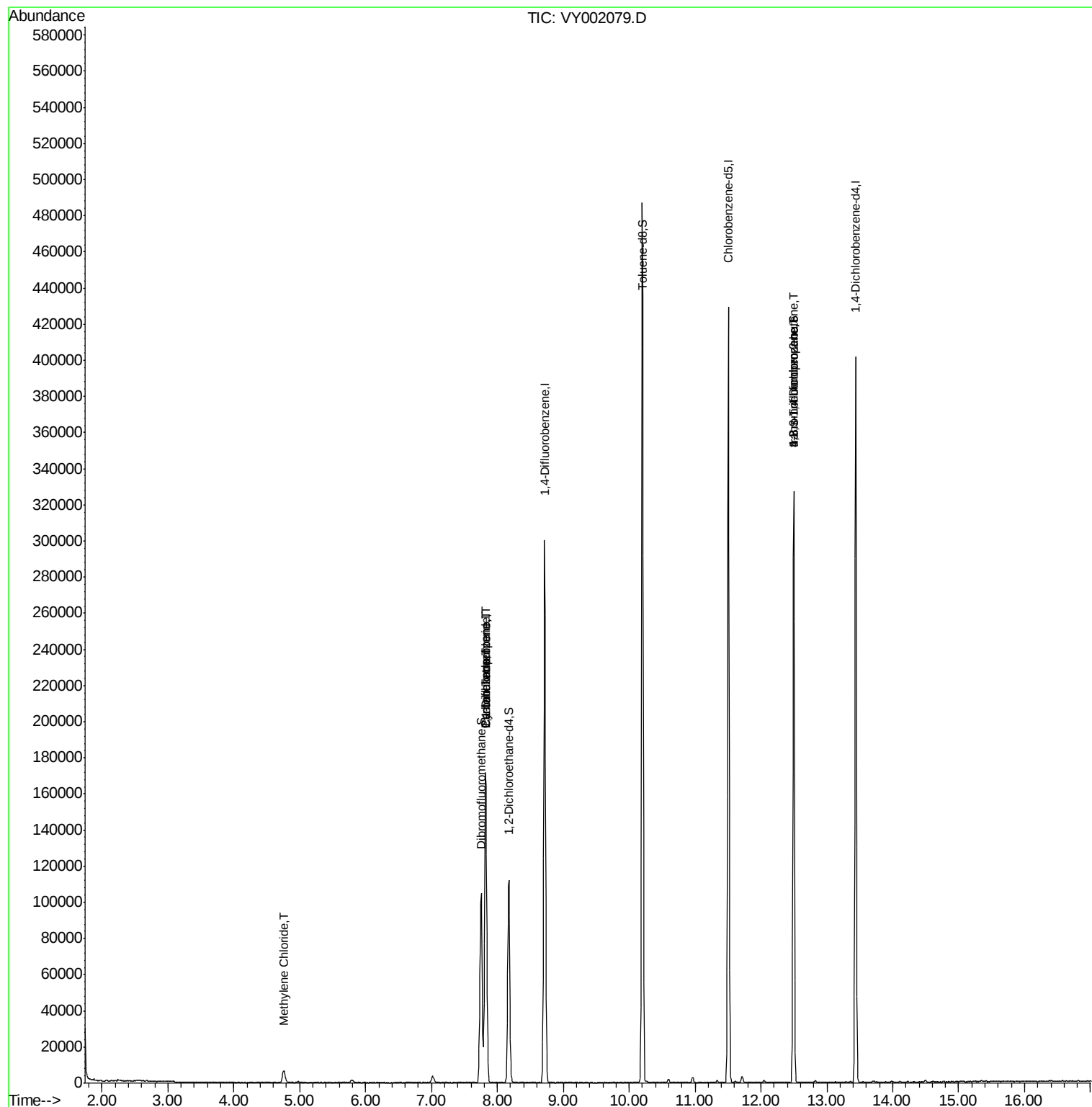
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.97	59	433	Below Cal	#	74
20) Methylene Chloride	4.76	84	5157	3.041	ug/l	95
31) Cyclohexane	7.82	56	3216	1.077	ug/l #	2
36) 1,1-Dichloropropene	7.82	75	11216	4.631	ug/l #	51
38) Carbon Tetrachloride	7.82	117	13440	6.497	ug/l #	16
76) 1,2,3-Trichloropropane	12.50	75	53736	45.559	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.50	75	53736	92.028	ug/l #	17

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

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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# 998

Delta R.T. 0.01 min

Lab File: VY002079.D

Acq: 25 Mar 2020 19:51

Instrument :

MSVOA_Y

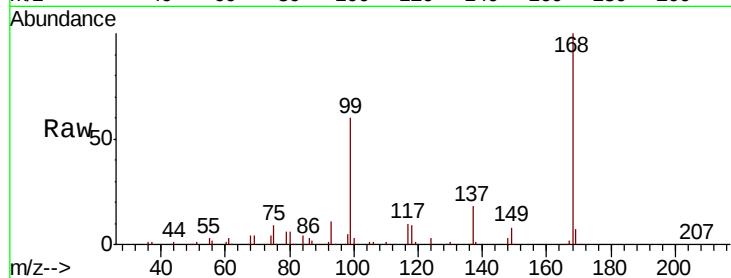
ClientSampleId :

Tot Ion:168 Resp: 127271

Ion Ratio Lower Upper

168 100

99 59.8 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

50000

40000

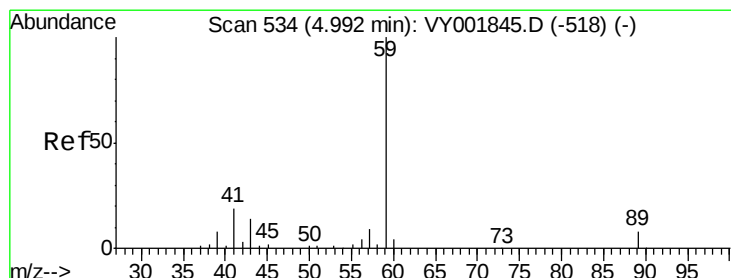
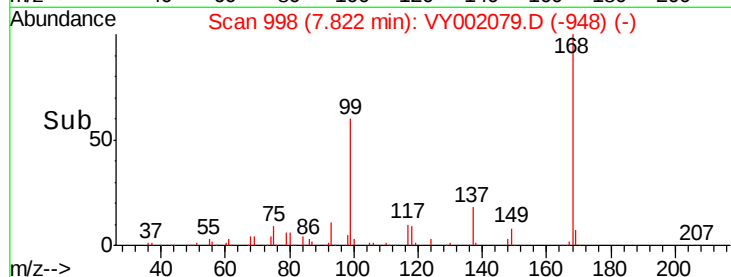
30000

20000

10000

0

Time--> 7.70 7.80 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.97 min Scan# 530

Delta R.T. -0.02 min

Lab File: VY002079.D

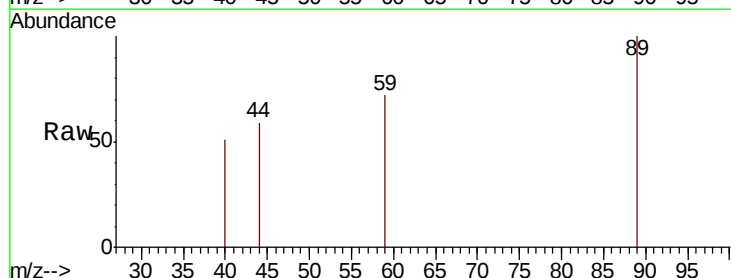
Acq: 25 Mar 2020 19:51

Tgt Ion: 59 Resp: 433

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY001845.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VY001845.D (-518) (-)

4.97

200

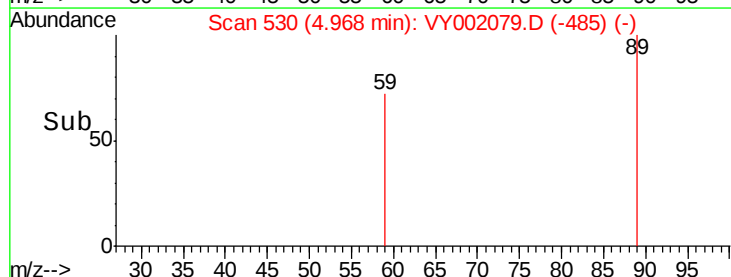
150

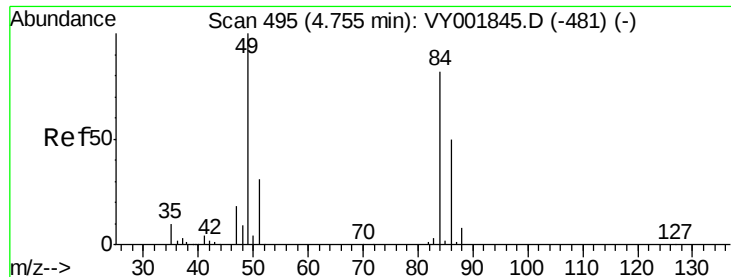
100

50

0

Time--> 4.90 4.95 5.00

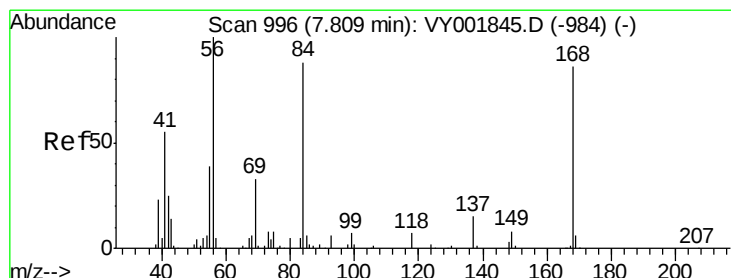
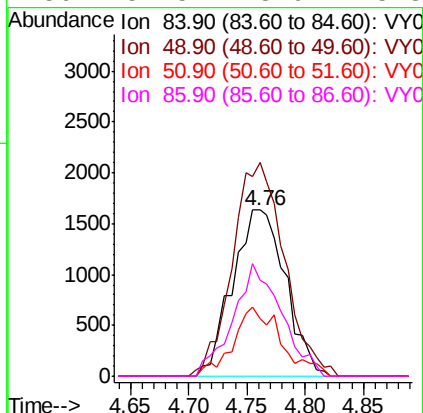
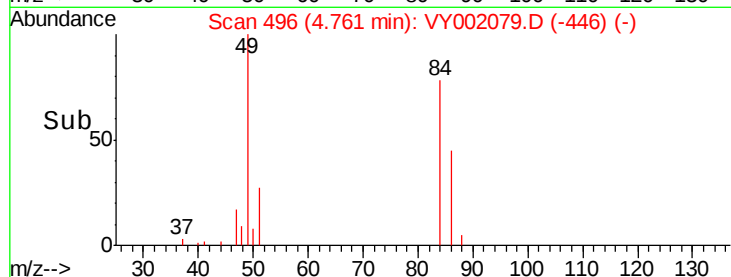
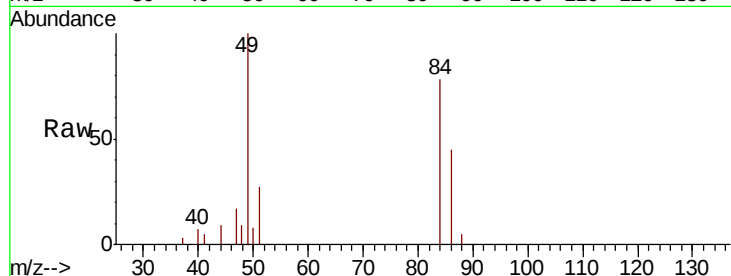




#20
Methvlene Chloride
Concen: 3.041 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY002079.D
Acq: 25 Mar 2020 19:51

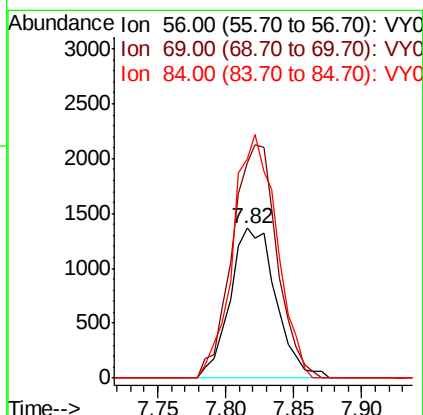
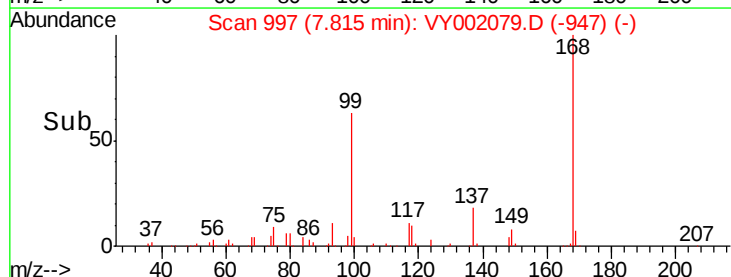
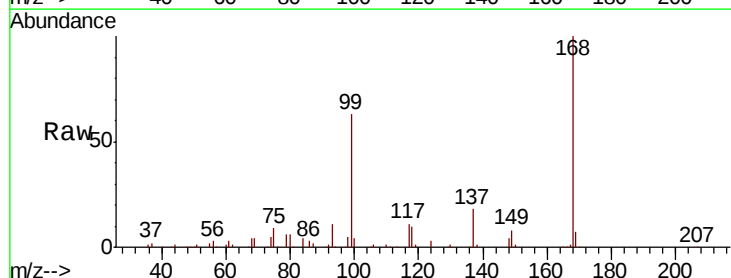
Instrument :
MSVOA_Y
ClientSampleId :

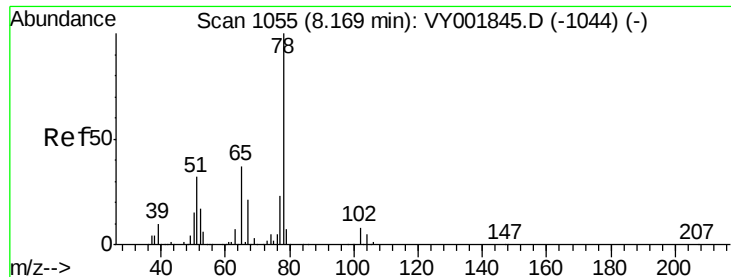
Tot Ion: 84 Resp: 5157
Ion Ratio Lower Upper
84 100
49 128.5 98.2 147.2
51 34.9 30.2 45.2
86 57.5 48.9 73.3



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.82 min Scan# 997
Delta R.T. 0.01 min
Lab File: VY002079.D
Acq: 25 Mar 2020 19:51

Tgt Ion: 56 Resp: 3216
Ion Ratio Lower Upper
56 100
69 143.6 26.7 40.1#
84 145.9 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 60.489 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY002079.D

Acq: 25 Mar 2020 19:51

Instrument :

MSVOA_Y

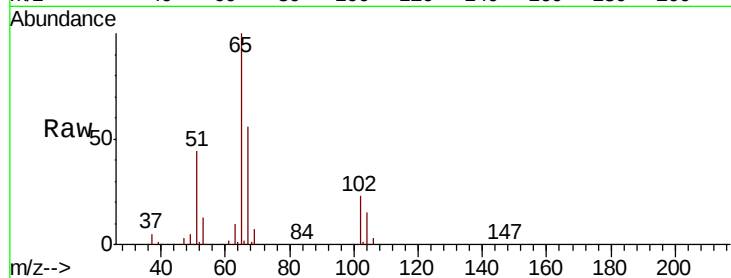
ClientSampleId :

Tot Ion: 65 Resp: 82187

Ion Ratio Lower Upper

65 100

67 55.7 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY001845.D (-1044) (-)

Ion 66.90 (66.60 to 67.60): VY001845.D (-1044) (-)

8.18

40000

30000

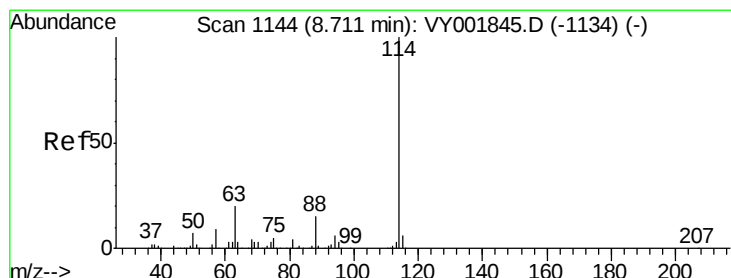
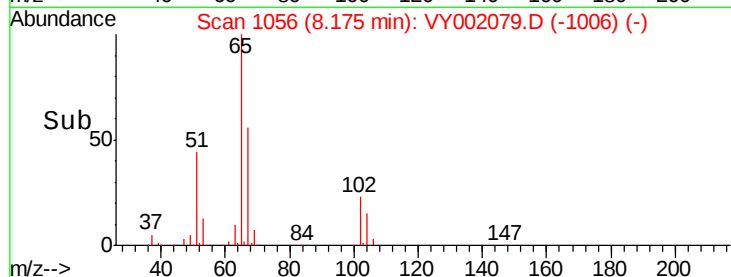
20000

10000

0

8.10 8.20 8.30

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY002079.D

Acq: 25 Mar 2020 19:51

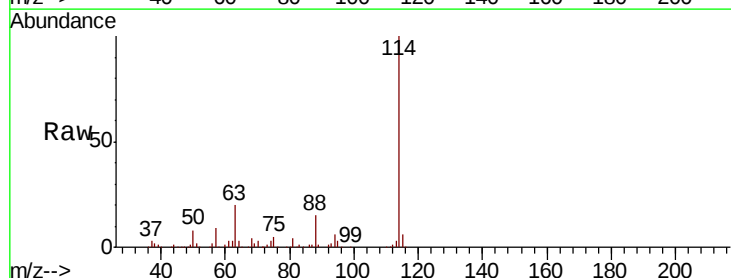
Tgt Ion: 114 Resp: 251654

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

88 15.4 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VY001845.D (-1134) (-)

Ion 63.00 (62.70 to 63.70): VY001845.D (-1134) (-)

Ion 87.90 (87.60 to 88.60): VY001845.D (-1134) (-)

8.72

150000

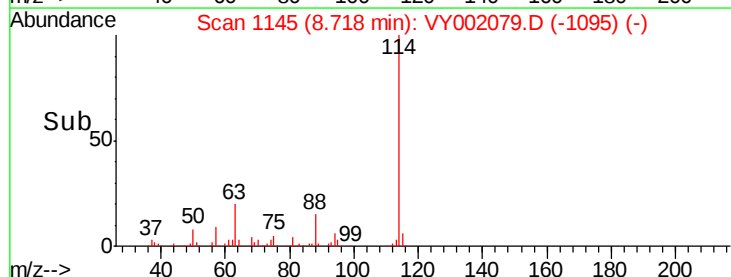
100000

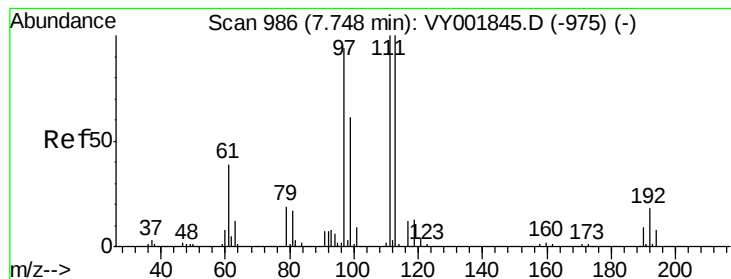
50000

0

8.60 8.65 8.70 8.75 8.80

Time-->





#35

Dibromofluoromethane

Concen: 54.616 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY002079.D

Acq: 25 Mar 2020 19:51

Instrument :

MSVOA_Y

ClientSampleId :

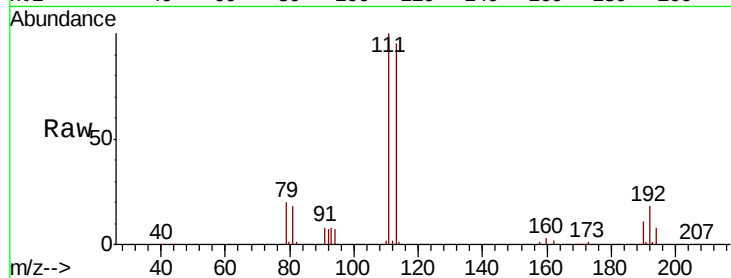
Tot Ion:113 Resp: 75050

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

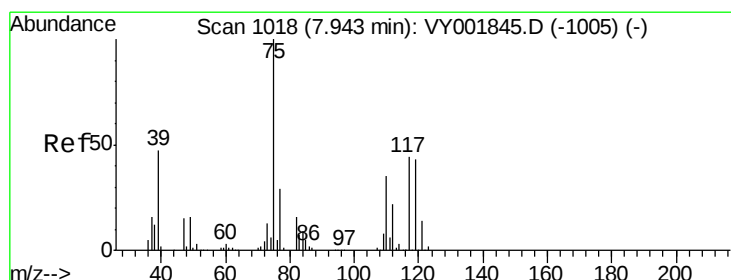
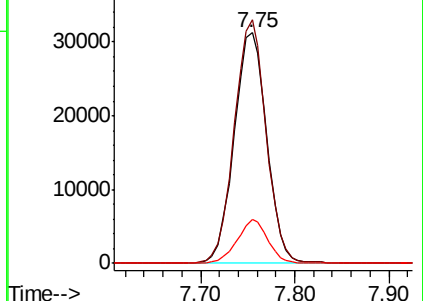
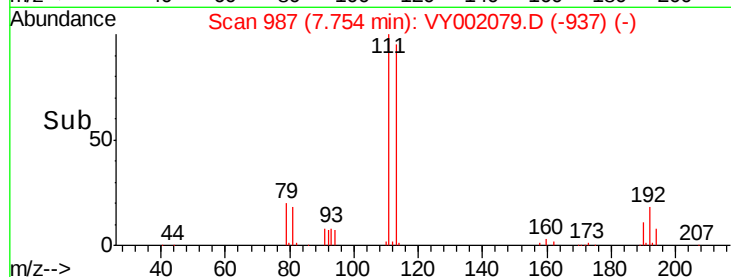
192 17.6 14.2 21.2



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: 4.631 ug/l

RT: 7.82 min Scan# 998

Delta R.T. -0.12 min

Lab File: VY002079.D

Acq: 25 Mar 2020 19:51

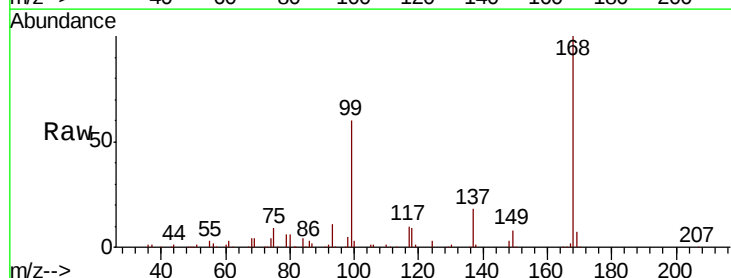
Tgt Ion: 75 Resp: 11216

Ion Ratio Lower Upper

75 100

110 9.2 17.4 52.2#

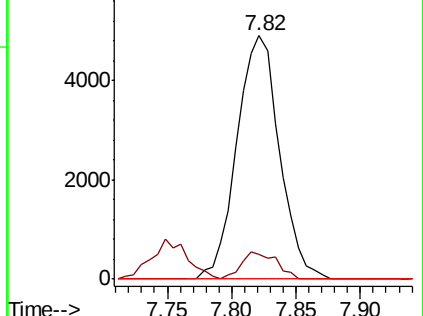
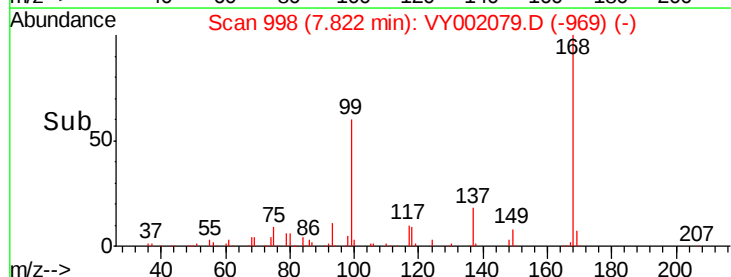
77 0.0 24.2 36.2#

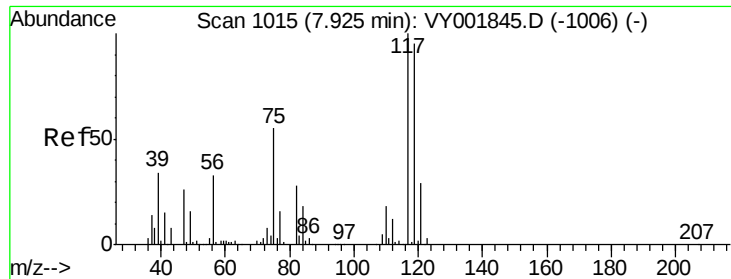


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

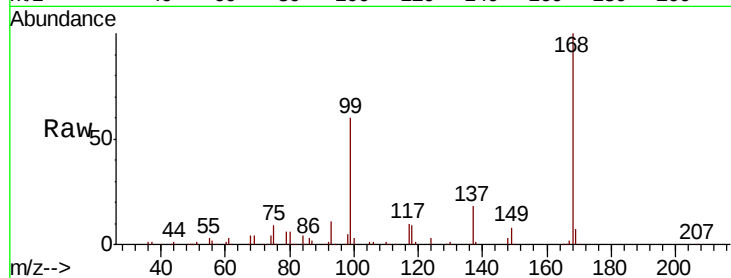




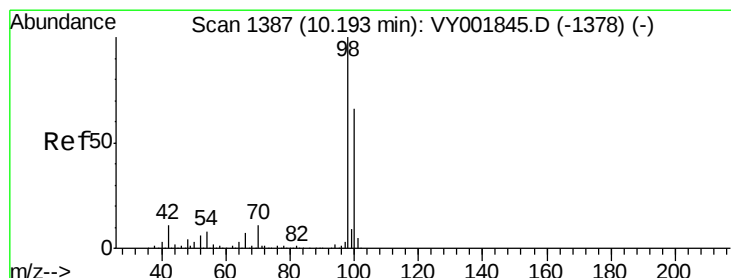
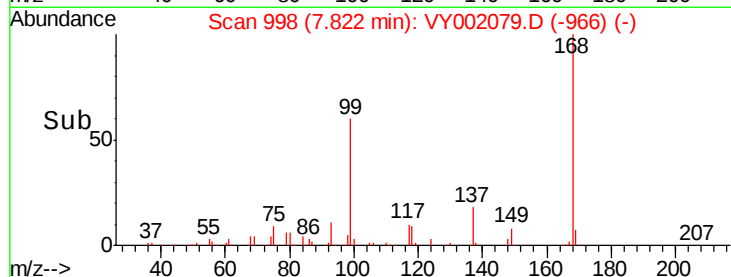
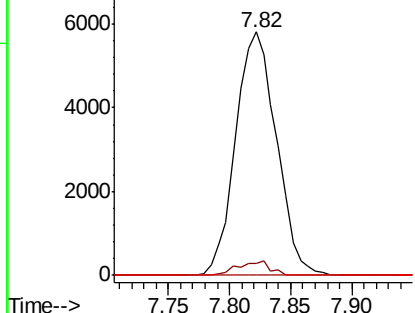
#38
Carbon Tetrachloride
Concen: 6.497 ug/l
RT: 7.82 min Scan# 998
Delta R.T. -0.10 min
Lab File: VY002079.D
Acq: 25 Mar 2020 19:51

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 13440
Ion Ratio Lower Upper
117 100
119 4.9 76.3 114.5#
121 0.0 23.5 35.3#

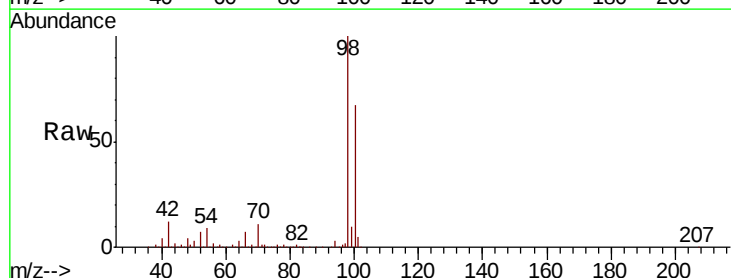


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

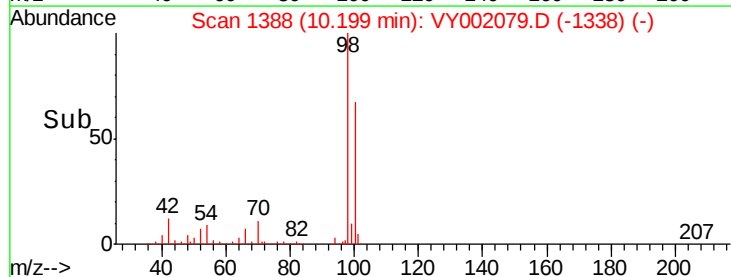
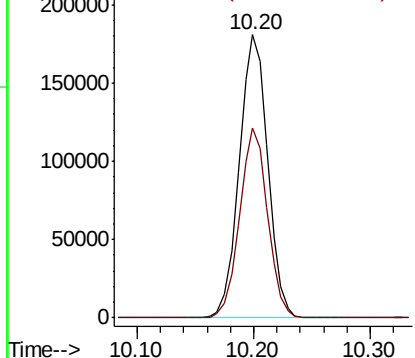


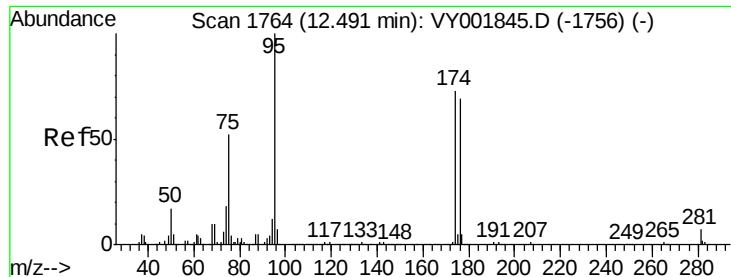
#50
Toluene-d8
Concen: 53.233 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY002079.D
Acq: 25 Mar 2020 19:51

Tgt Ion: 98 Resp: 308461
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

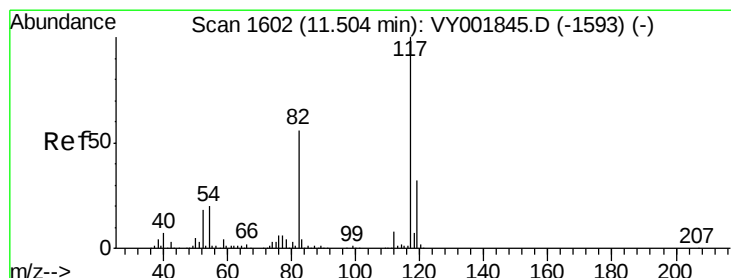
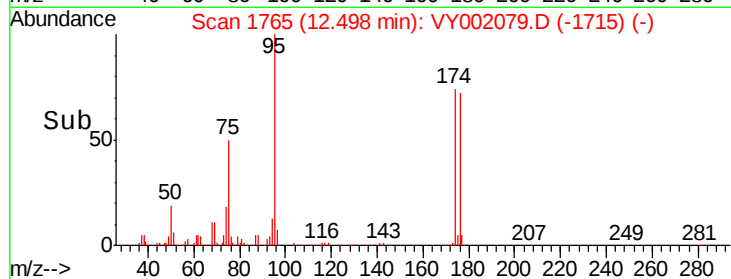
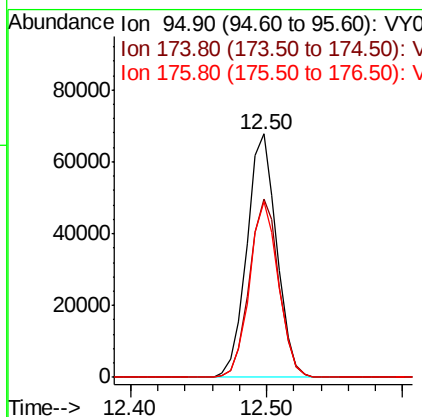
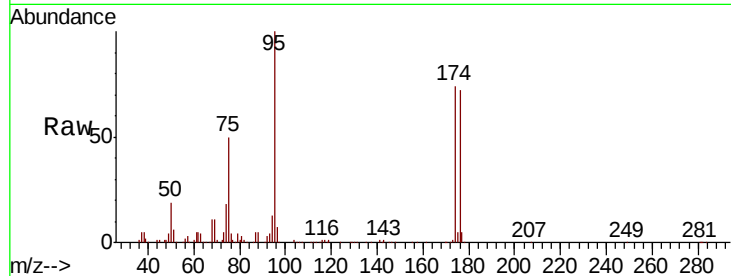




#62
4-Bromofluorobenzene
Concen: 51.584 ug/l
RT: 12.50 min Scan# 1765
Delta R.T. 0.01 min
Lab File: VY002079.D
Acq: 25 Mar 2020 19:51

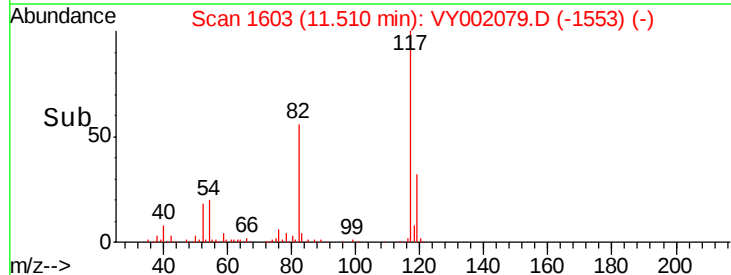
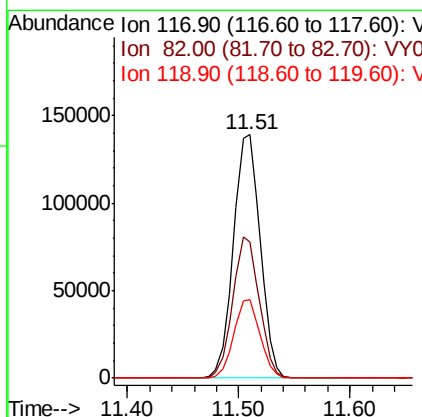
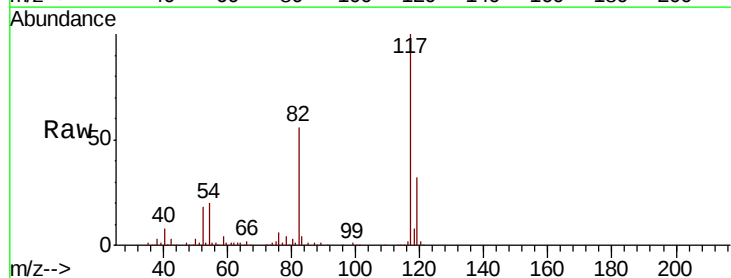
Instrument :
MSVOA_Y
ClientSampleId :

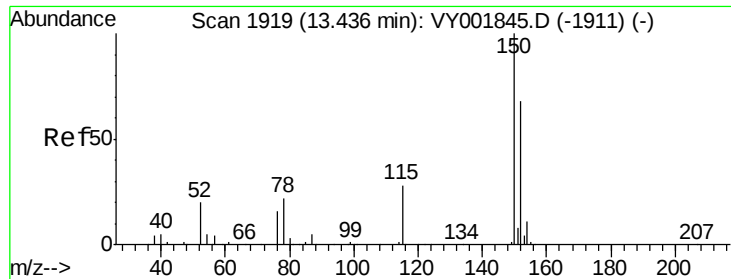
Tot Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	145.0
176	70.3	0.0	137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VY002079.D
Acq: 25 Mar 2020 19:51

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.0	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# 1920

Delta R.T. 0.01 min

Lab File: VY002079.D

Acq: 25 Mar 2020 19:51

Instrument :

MSVOA_Y

ClientSampled :

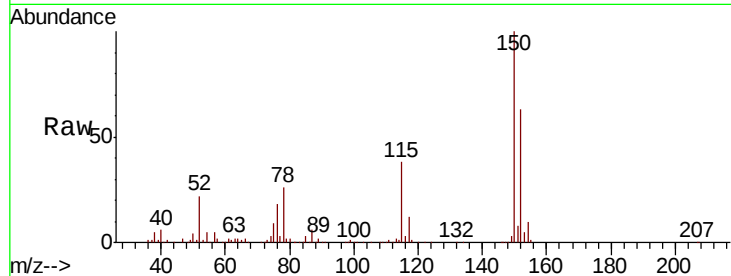
Tot Ion:152 Resp: 99402

Ion Ratio Lower Upper

152 100

115 61.2 29.9 89.7

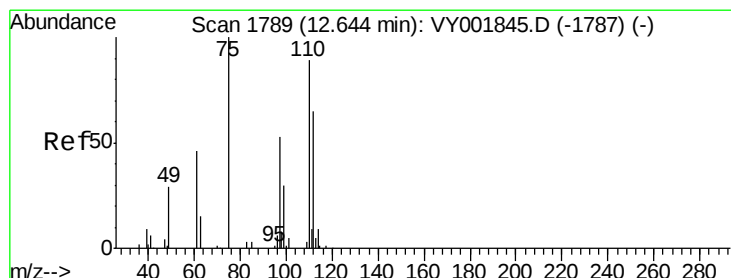
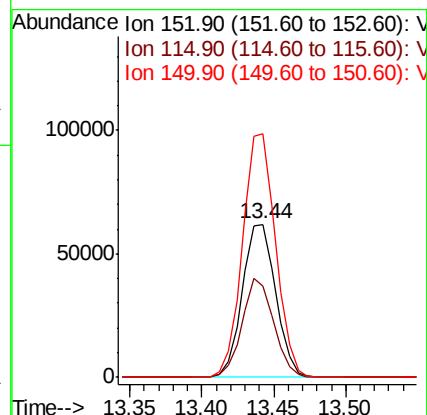
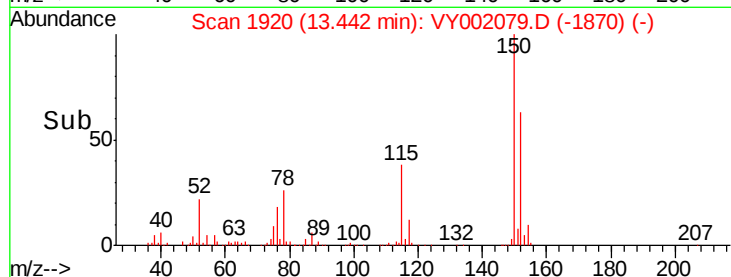
150 157.4 0.0 340.6



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: 45.559 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. -0.15 min

Lab File: VY002079.D

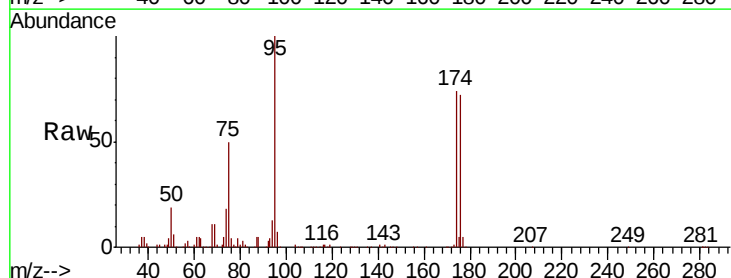
Acq: 25 Mar 2020 19:51

Tgt Ion: 75 Resp: 53736

Ion Ratio Lower Upper

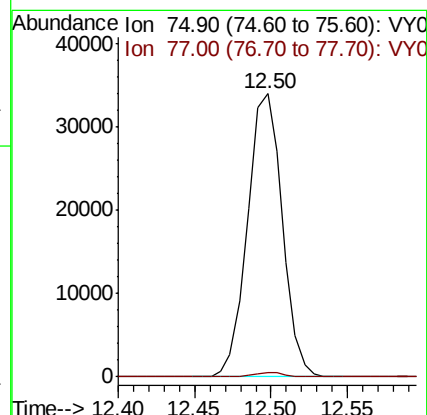
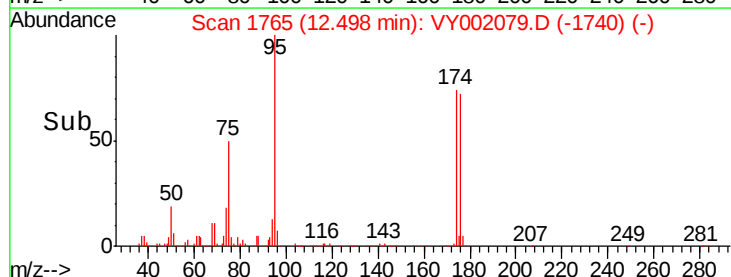
75 100

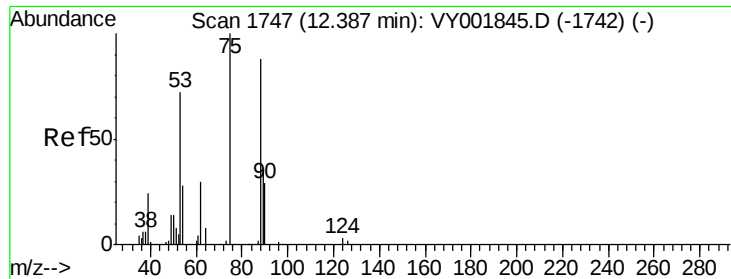
77 1.3 0.0 0.0#



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: 92.028 ug/l

RT: 12.50 min Scan# 1765

Delta R.T. 0.11 min

Lab File: VY002079.D

Acq: 25 Mar 2020 19:51

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 75 Resp: 53736

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

89 0.1 36.0 54.0#

