

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY041620\
 Data File : VY002377.D
 Acq On : 16 Apr 2020 19:00
 Operator : SY/MD
 Sample : L2271-04
 Misc : 3.84G/5ML/MSVOA Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 17 07:07:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	32323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	56139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	44428	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.44	152	16180	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	13132	36.53	ug/l	0.00
Spiked Amount			Recovery	=	73.06%	
35) Dibromofluoromethane	7.74	113	14945	44.74	ug/l	0.00
Spiked Amount			Recovery	=	89.48%	
50) Toluene-d8	10.19	98	67500	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.49	95	17851	38.70	ug/l	0.00
Spiked Amount			Recovery	=	77.40%	

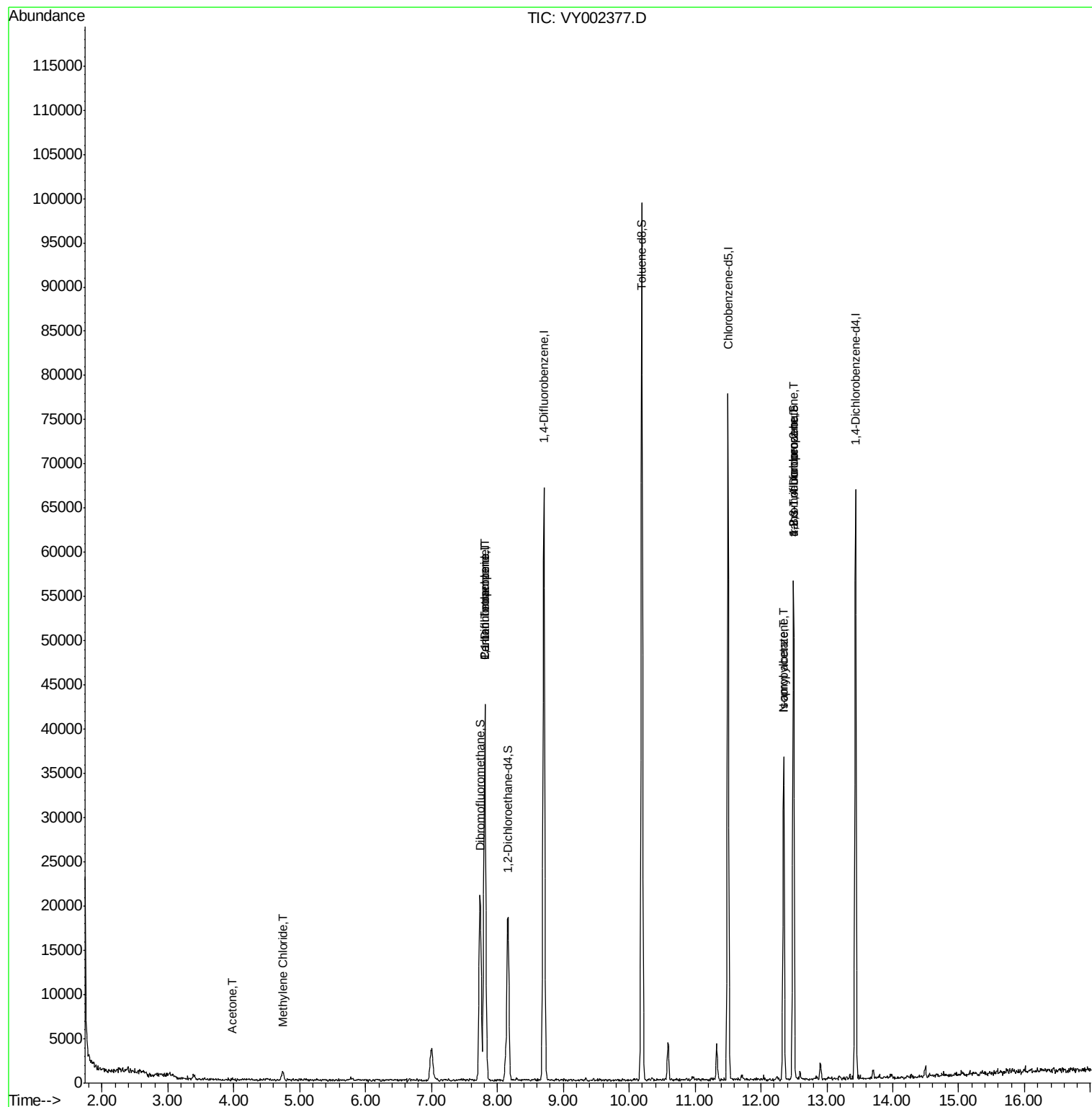
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.96	59	83	Below Cal	#	77
16) Acetone	3.97	43	163	1.722	ug/l #	39
20) Methylene Chloride	4.74	84	658	1.414	ug/l	91
36) 1,1-Dichloropropene	7.81	75	2713	4.906	ug/l #	44
38) Carbon Tetrachloride	7.82	117	3395	7.178	ug/l #	17
73) Isopropylbenzene	12.34	105	1501	1.181	ug/l #	48
74) N-amyl acetate	12.34	43	841	2.331	ug/l #	18
76) 1,2,3-Trichloropropane	12.49	75	8980	47.795	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.49	75	8980	92.961	ug/l #	19

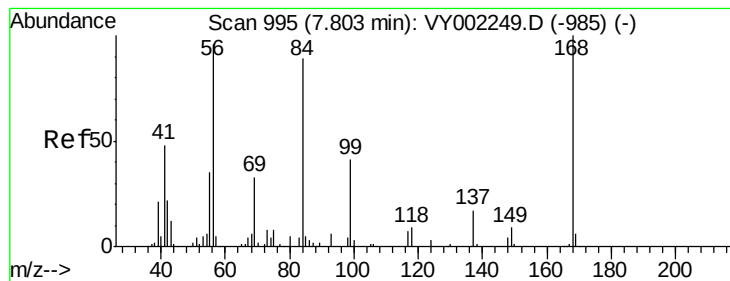
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.01 min

Lab File: VY002377.D

Acq: 16 Apr 2020 19:00

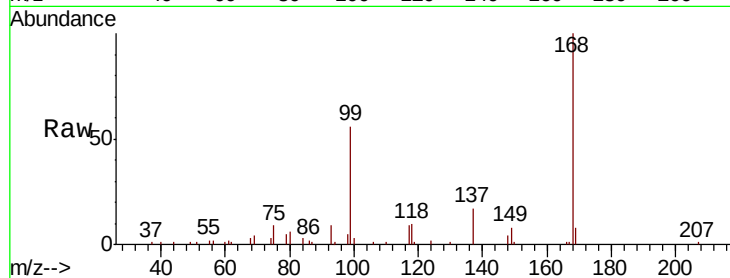
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 32323

Ion Ratio Lower Upper

168 100

99 56.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VY002249.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002249.D (-985) (-)

7.81

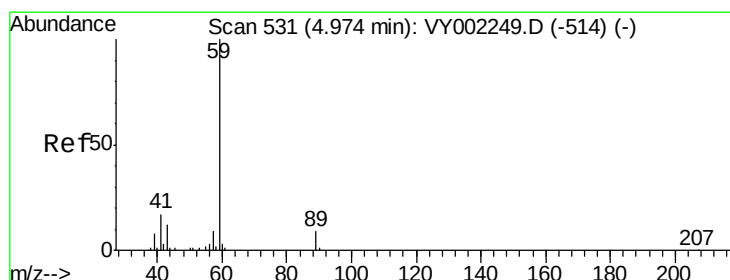
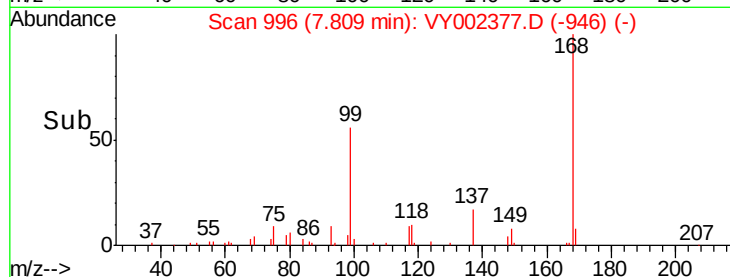
15000

10000

5000

0

Time--> 7.70 7.75 7.80 7.85 7.90



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 529

Delta R.T. -0.01 min

Lab File: VY002377.D

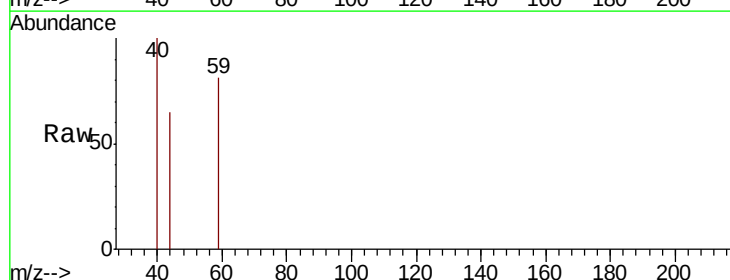
Acq: 16 Apr 2020 19:00

Tgt Ion: 59 Resp: 83

Ion Ratio Lower Upper

59 100

57 0.0 6.6 9.8#



Abundance Ion 59.00 (58.70 to 59.70): VY002249.D (-514) (-)

Ion 57.00 (56.70 to 57.70): VY002249.D (-514) (-)

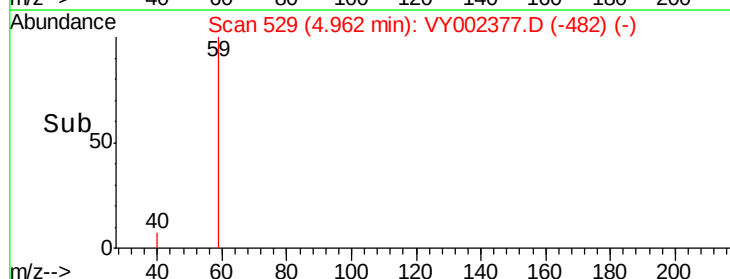
4.96

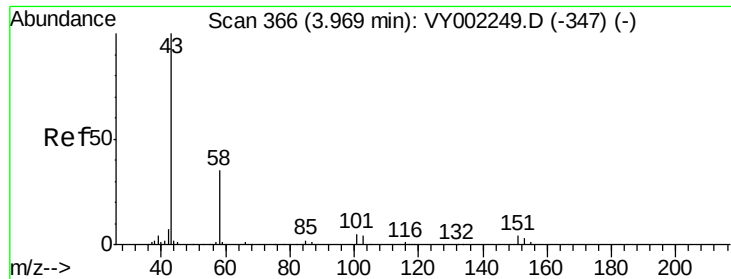
100

50

0

Time--> 4.94 4.96 4.98





#16

Acetone

Concen: 1.722 ug/l

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VY002377.D

Acq: 16 Apr 2020 19:00

Instrument :

MSVOA_Y

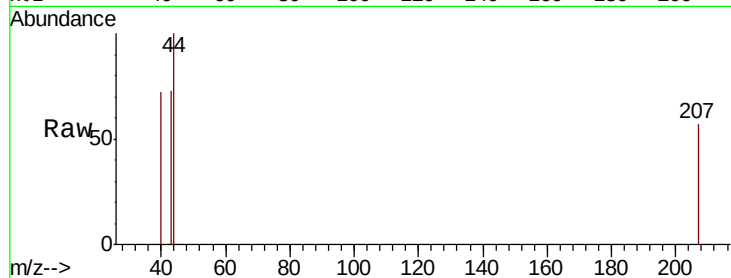
ClientSampled :

Tot Ion: 43 Resp: 163

Ion Ratio Lower Upper

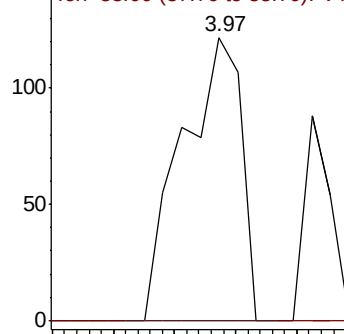
43 100

58 0.0 28.5 42.7#

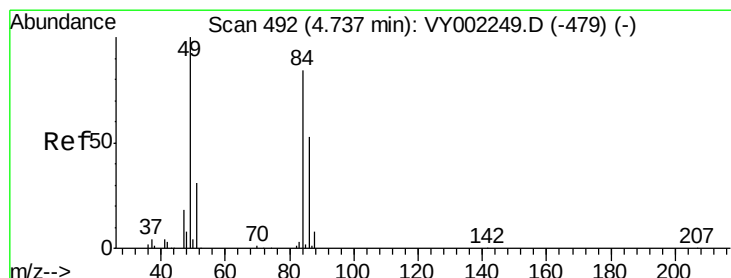
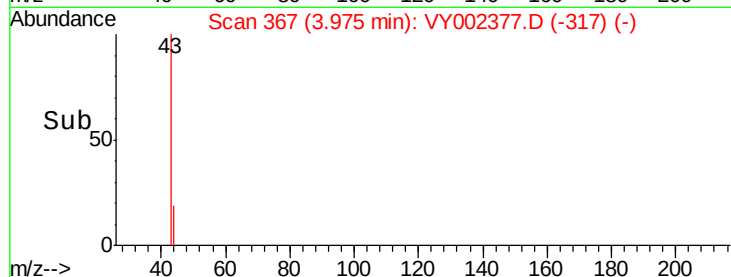


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time--> 3.92 3.94 3.96 3.98 4.00



#20

Methylene Chloride

Concen: 1.414 ug/l

RT: 4.74 min Scan# 493

Delta R.T. 0.01 min

Lab File: VY002377.D

Acq: 16 Apr 2020 19:00

Tgt Ion: 84 Resp: 658

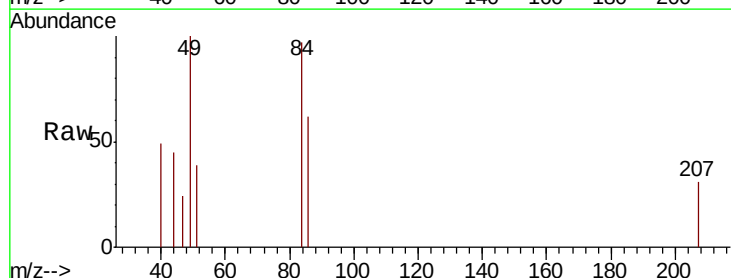
Ion Ratio Lower Upper

84 100

49 103.5 95.5 143.3

51 40.5 29.5 44.3

86 64.4 50.7 76.1

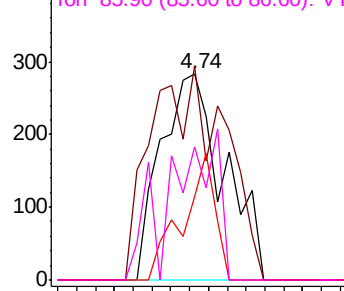


Abundance Ion 83.90 (83.60 to 84.60): VY0

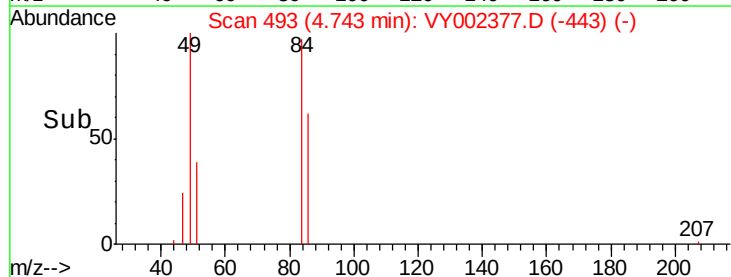
Ion 48.90 (48.60 to 49.60): VY0

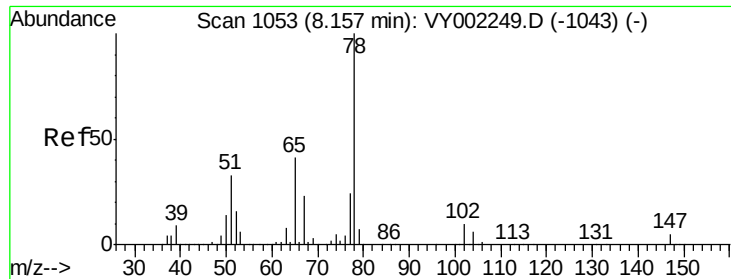
Ion 50.90 (50.60 to 51.60): VY0

Ion 85.90 (85.60 to 86.60): VY0



Time--> 4.70 4.75 4.80

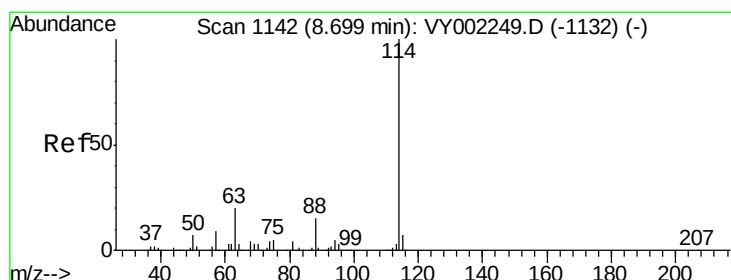
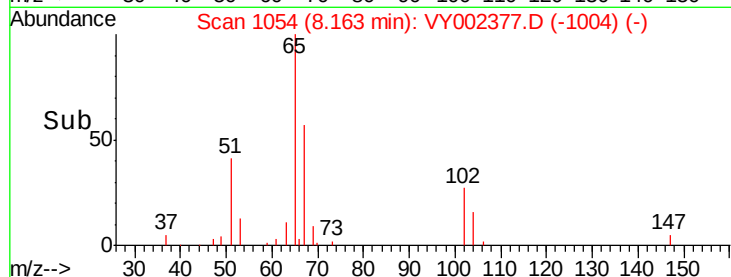
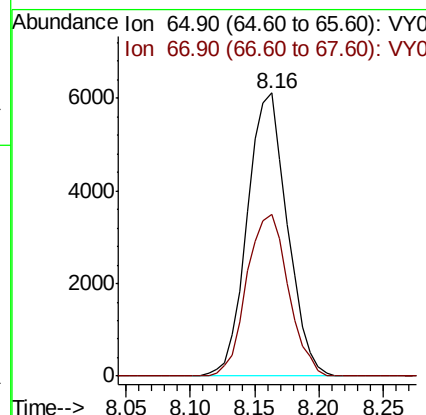
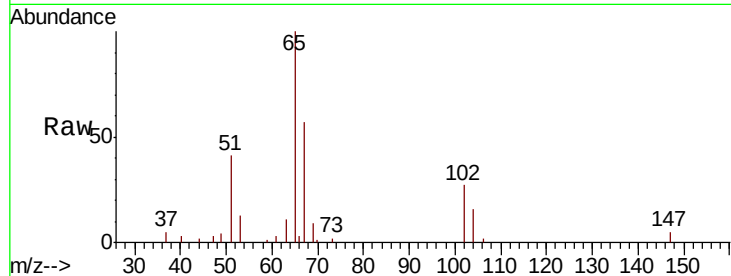




#33
 1,2-Dichloroethane-d4
 Concen: 36.533 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VY002377.D
 Acq: 16 Apr 2020 19:00

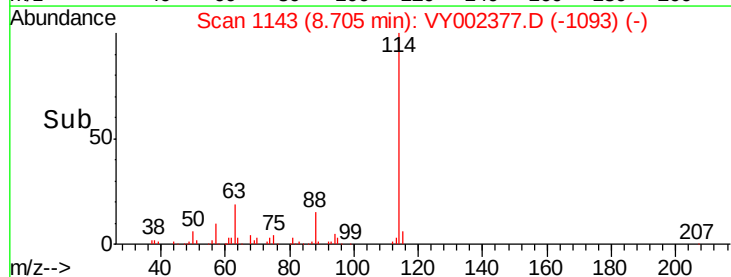
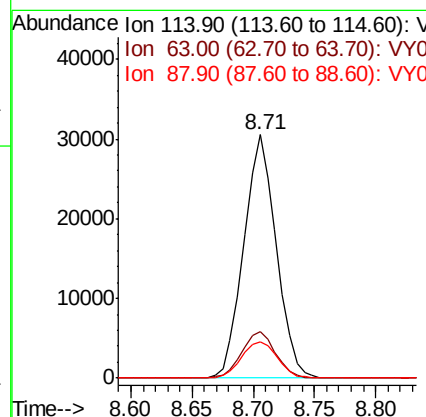
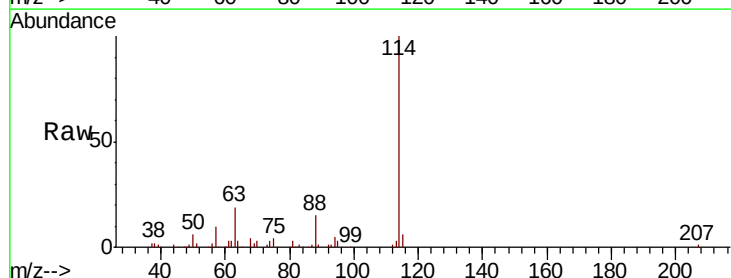
Instrument :
 MSVOA_Y
 ClientSampleId :

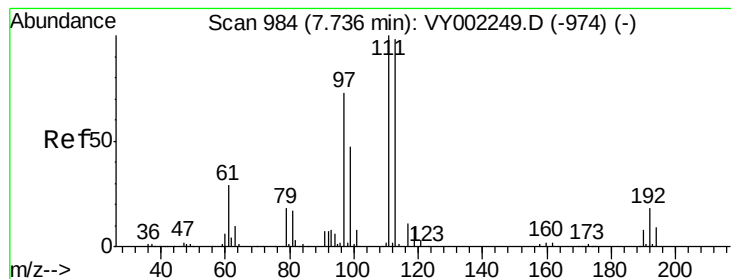
Tot Ion: 65 Resp: 13132
 Ion Ratio Lower Upper
 65 100
 67 59.5 0.0 114.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: VY002377.D
 Acq: 16 Apr 2020 19:00

Tgt Ion: 114 Resp: 56139
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 39.0
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 44.739 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.00 min

Lab File: VY002377.D

Acq: 16 Apr 2020 19:00

Instrument :

MSVOA_Y

ClientSampleId :

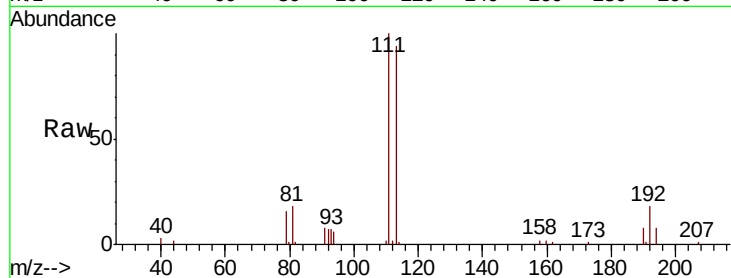
Tot Ion:113 Resp: 14945

Ion Ratio Lower Upper

113 100

111 105.3 83.5 125.3

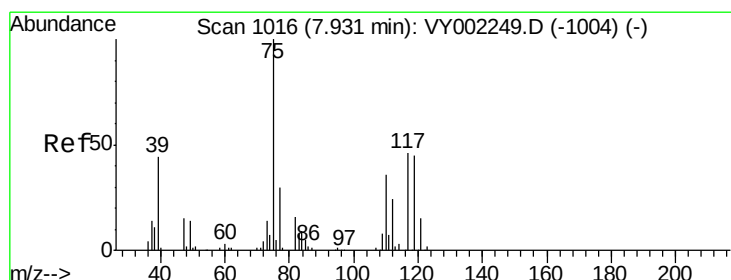
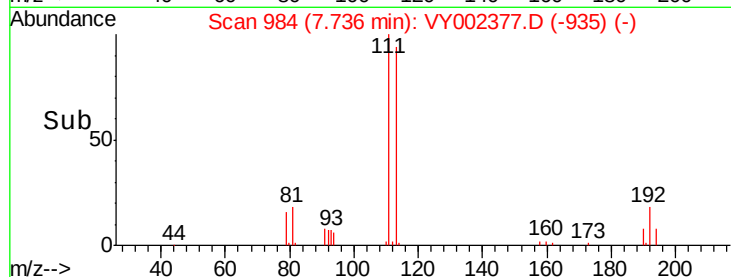
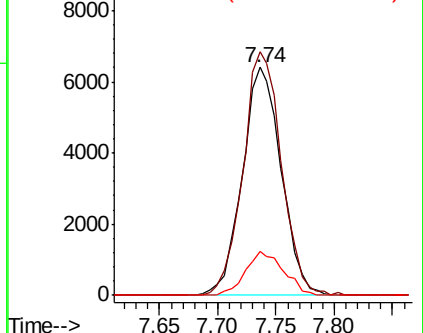
192 18.8 14.7 22.1



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: 4.906 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.12 min

Lab File: VY002377.D

Acq: 16 Apr 2020 19:00

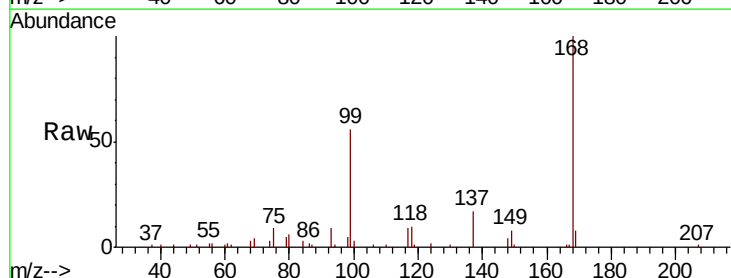
Tgt Ion: 75 Resp: 2713

Ion Ratio Lower Upper

75 100

110 2.7 17.8 53.3#

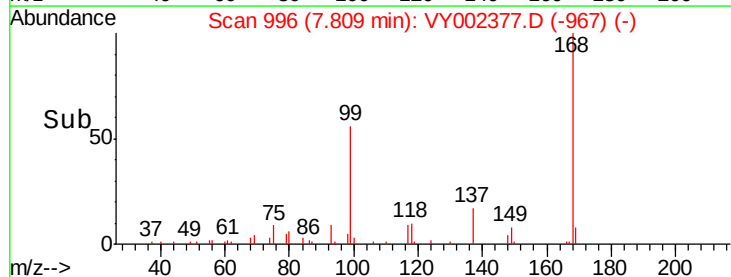
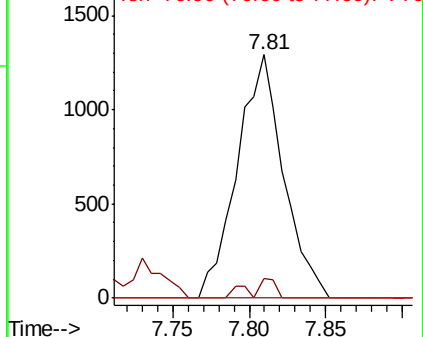
77 0.0 24.4 36.6#

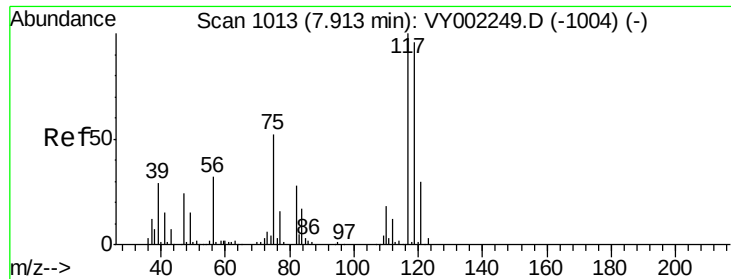


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

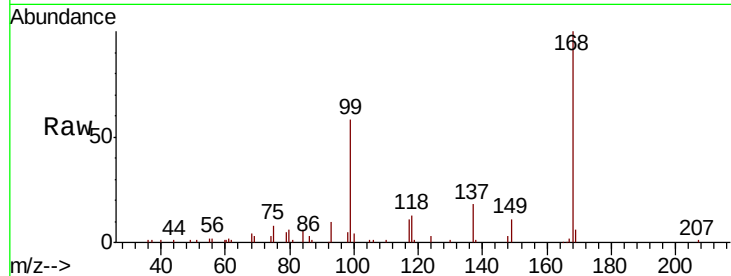




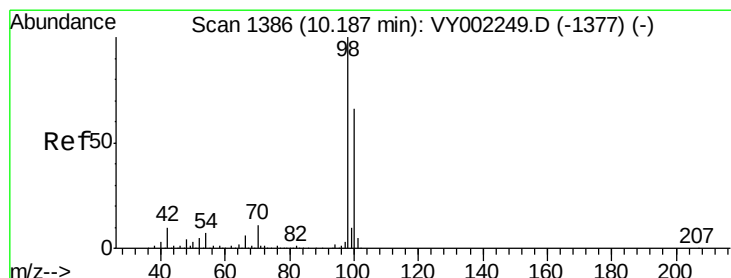
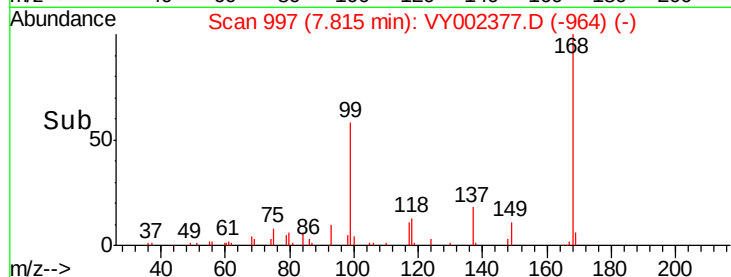
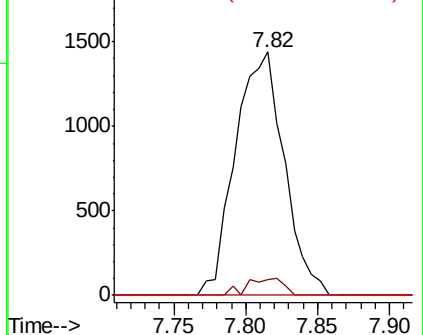
#38
Carbon Tetrachloride
Concen: 7.178 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.10 min
Lab File: VY002377.D
Acq: 16 Apr 2020 19:00

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:117 Resp: 3395
Ion Ratio Lower Upper
117 100
119 6.2 77.1 115.7#
121 0.0 23.9 35.9#

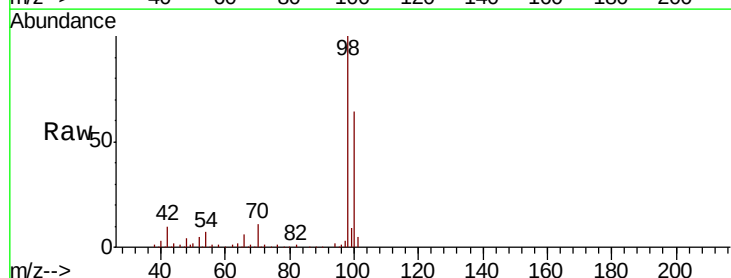


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

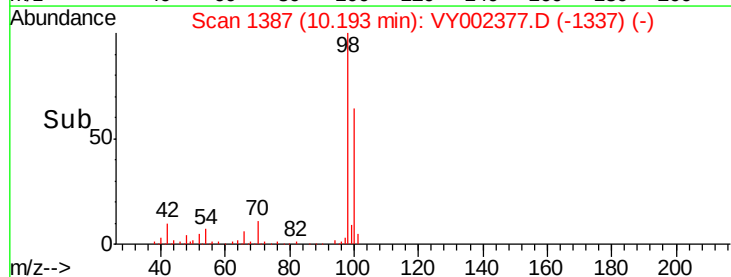
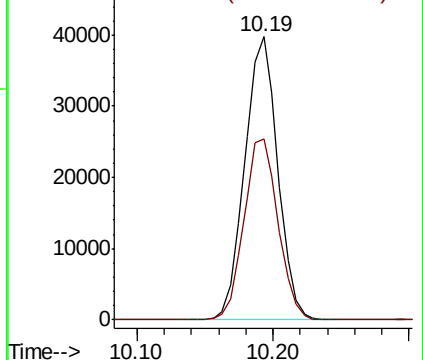


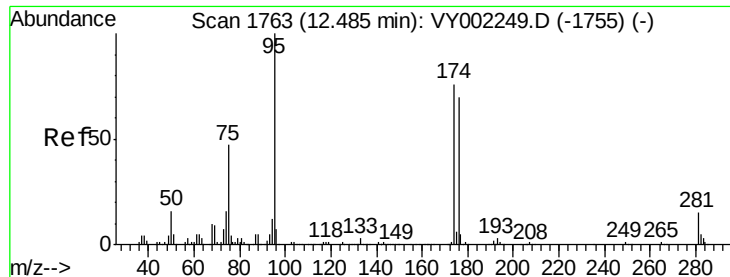
#50
Toluene-d8
Concen: 48.277 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY002377.D
Acq: 16 Apr 2020 19:00

Tgt Ion: 98 Resp: 67500
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY

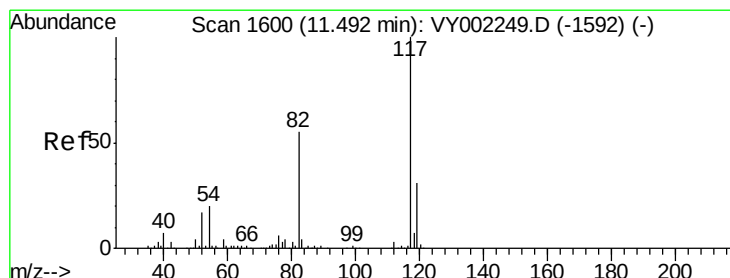
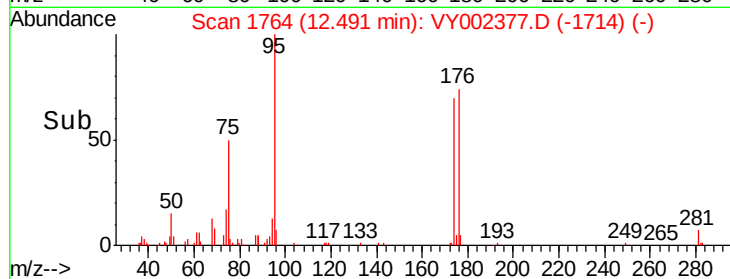
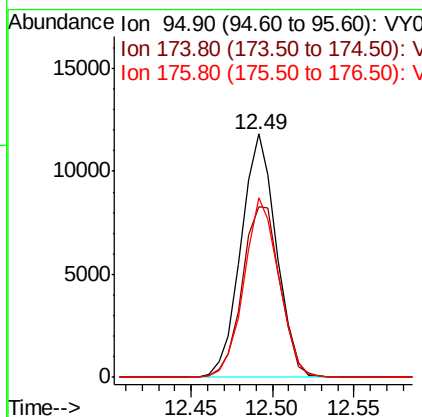
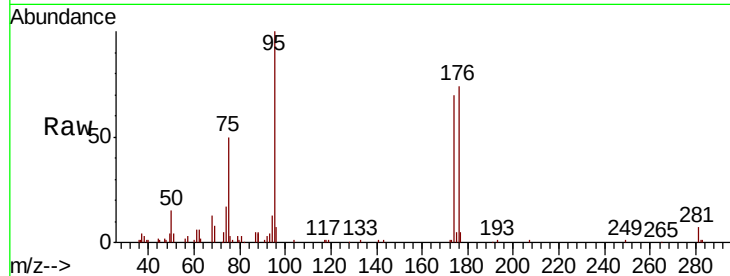




#62
4-Bromofluorobenzene
Concen: 38.699 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY002377.D
Acq: 16 Apr 2020 19:00

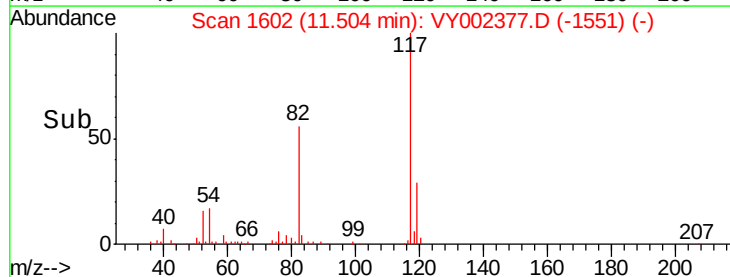
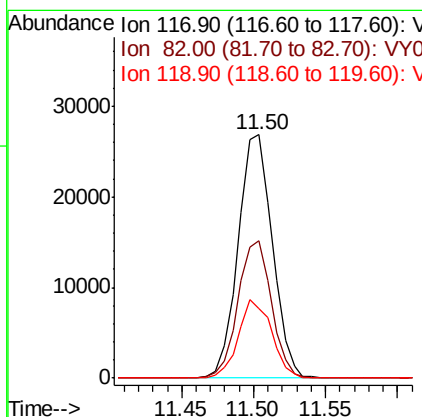
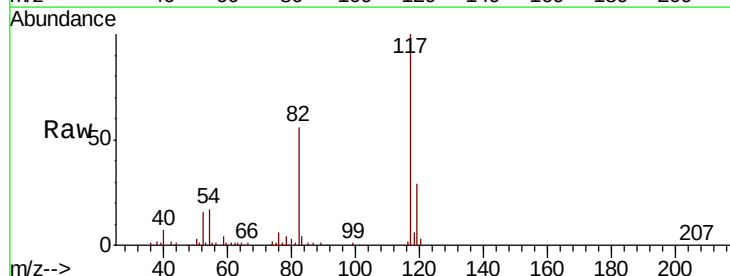
Instrument :
MSVOA_Y
ClientSampleId :

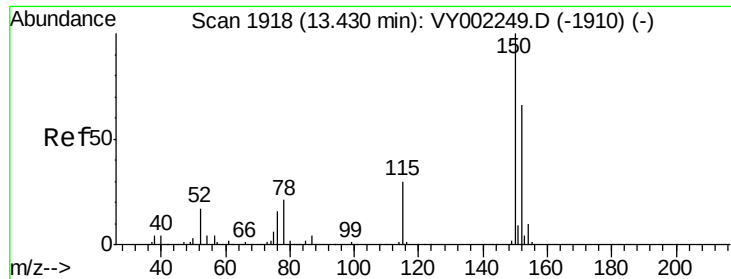
Tot Ion: 95 Resp: 17851
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.6
176 72.6 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY002377.D
Acq: 16 Apr 2020 19:00

Tgt Ion: 117 Resp: 44428
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.4
119 28.8 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.44 min Scan# 1919

Delta R.T. 0.01 min

Lab File: VY002377.D

Acq: 16 Apr 2020 19:00

Instrument :

MSVOA_Y

ClientSampleId :

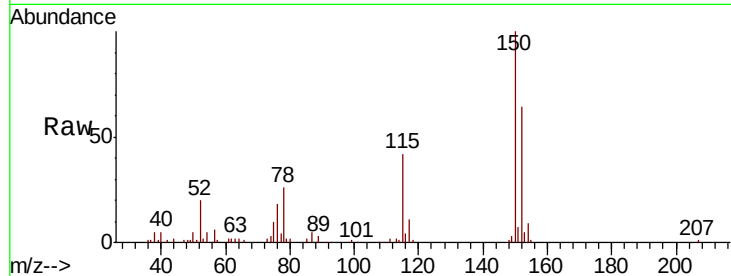
Tot Ion:152 Resp: 16180

Ion Ratio Lower Upper

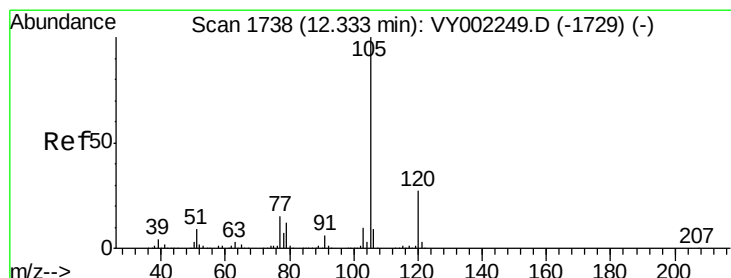
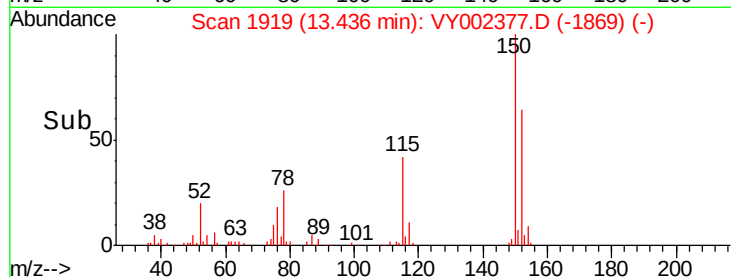
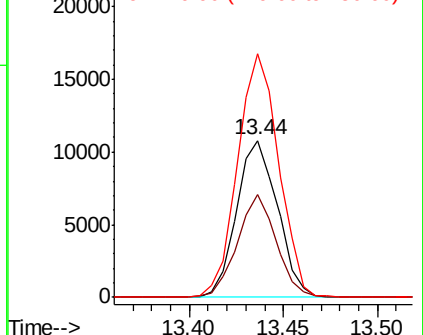
152 100

115 62.5 30.7 92.1

150 156.8 0.0 350.6



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



#73

Isopropylbenzene

Concen: 1.181 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY002377.D

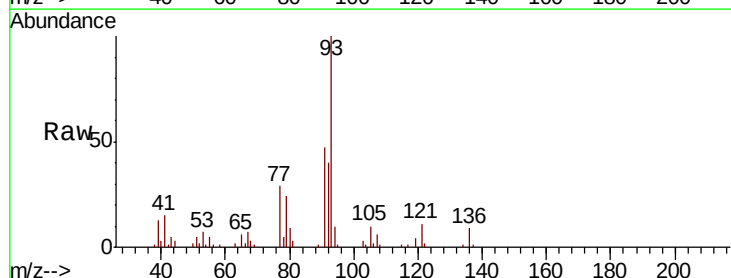
Acq: 16 Apr 2020 19:00

Tgt Ion:105 Resp: 1501

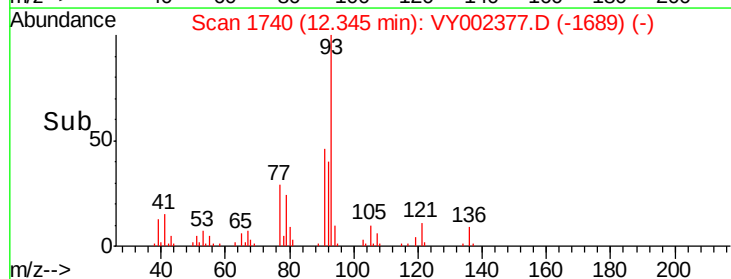
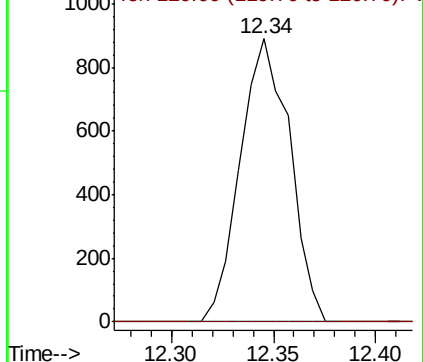
Ion Ratio Lower Upper

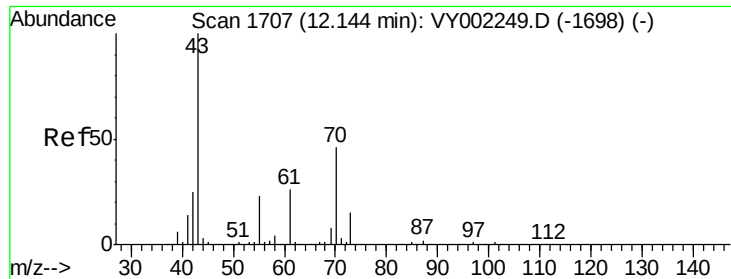
105 100

120 0.0 13.3 39.8#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

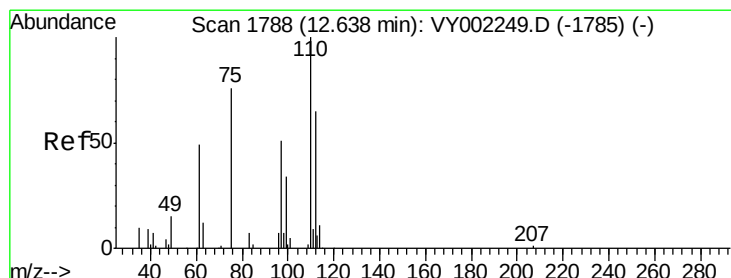
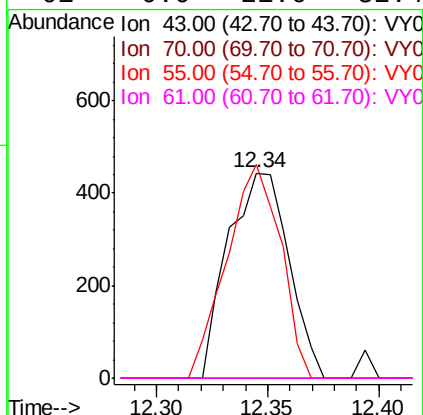
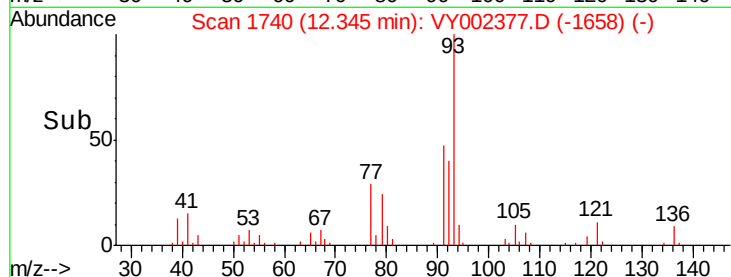
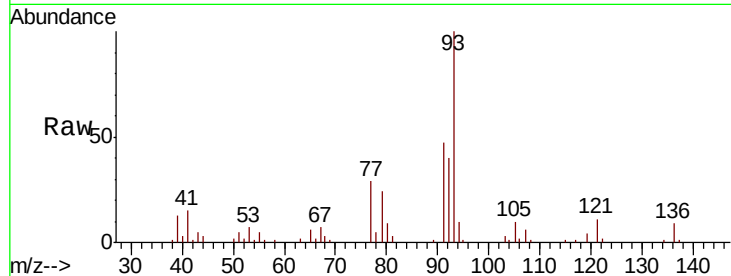




#74
N-amvl acetate
Concen: 2.331 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.20 min
Lab File: VY002377.D
Acq: 16 Apr 2020 19:00

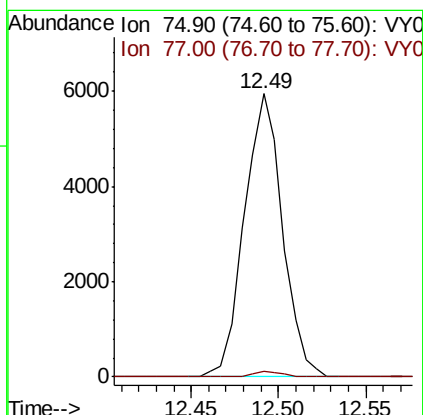
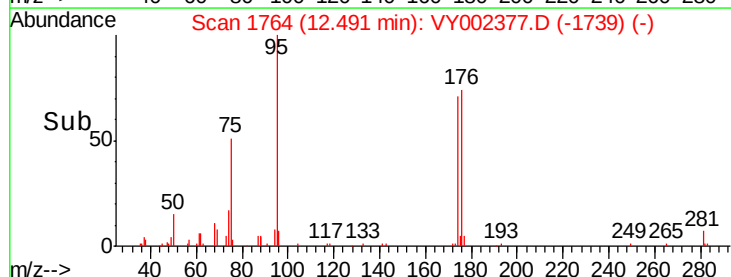
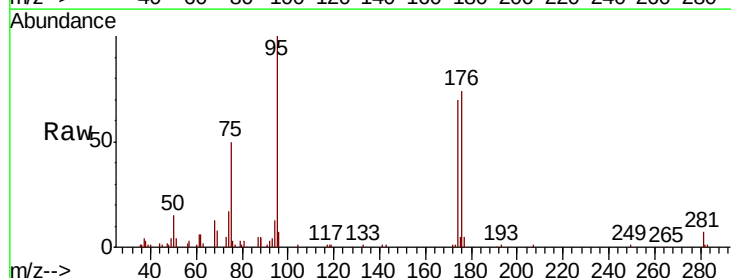
Instrument :
MSVOA_Y
ClientSampleId :

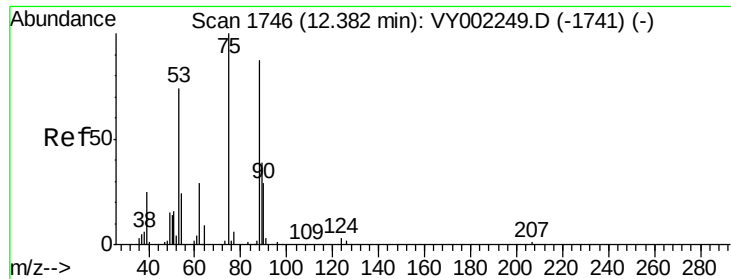
Tot Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
70 0.0 37.5 56.3#
55 92.5 19.0 28.6#
61 0.0 21.6 32.4#



#76
1,2,3-Trichloropropane
Concen: 47.795 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. -0.15 min
Lab File: VY002377.D
Acq: 16 Apr 2020 19:00

Tgt Ion: 75 Resp: 8980
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 92.961 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.11 min

Lab File: VY002377.D

Acq: 16 Apr 2020 19:00

Instrument :

MSVOA_Y

ClientSampleId :

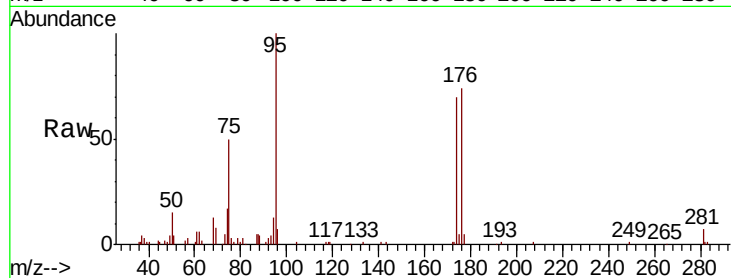
Tot Ion: 75 Resp: 8980

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.8#

89 0.0 37.0 55.6#



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0

