

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY062220\
 Data File : VY002975.D
 Acq On : 22 Jun 2020 15:46
 Operator : SY/MD
 Sample : L3020-08RE
 Misc : 7.71G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-26(18-20)

Quant Time: Jun 23 08:13:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y061920S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 20 06:39:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	262518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	425616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	406906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	208815	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	128279	59.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.32%	
35) Dibromofluoromethane	7.72	113	133502	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
50) Toluene-d8	10.18	98	497513	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
62) 4-Bromofluorobenzene	12.48	95	176975	53.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.46%	

Target Compounds

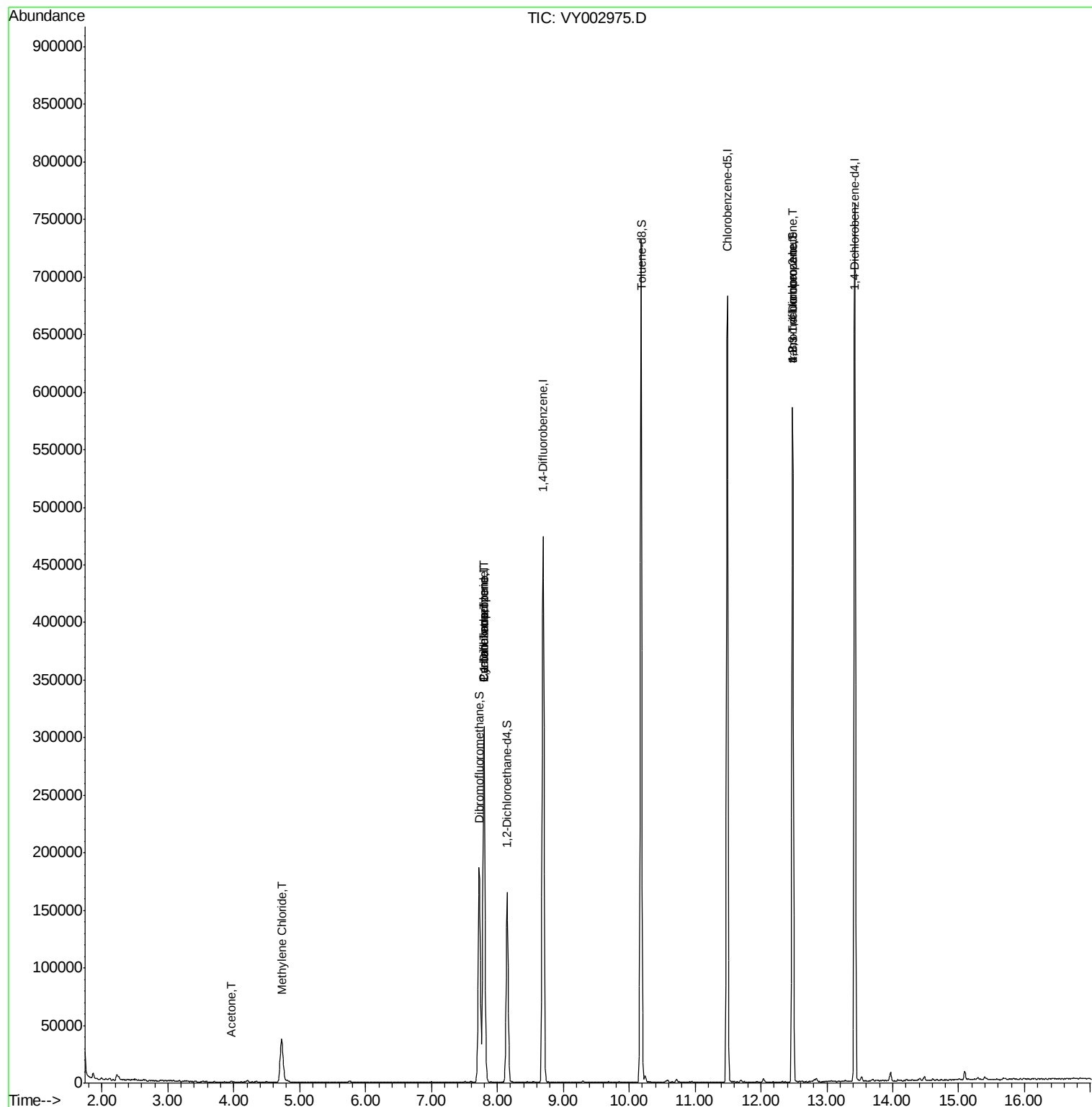
					Qvalue
11) Tert butyl alcohol	4.96	59	56	Below Cal	# 74
16) Acetone	3.96	43	920	1.713 ug/l	# 17
18) Methyl Acetate	4.49	43	382	Below Cal	# 89
20) Methylene Chloride	4.73	84	31110	6.136 ug/l	91
31) Cyclohexane	7.80	56	3811	1.024 ug/l	# 1
36) 1,1-Dichloropropene	7.80	75	16287	4.712 ug/l	# 48
38) Carbon Tetrachloride	7.80	117	23109	6.066 ug/l	# 17
76) 1,2,3-Trichloropropane	12.48	75	84479	46.454 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.48	75	84479	88.689 ug/l	# 16

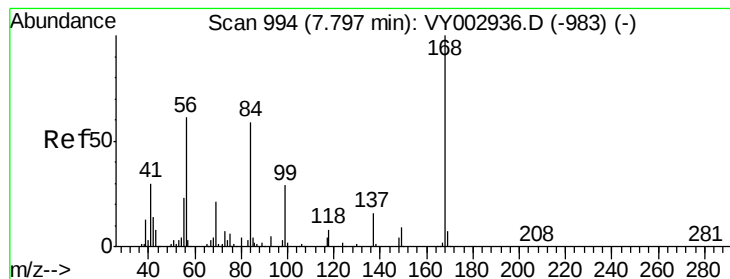
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 20 06:39:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY002975.D

Acq: 22 Jun 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

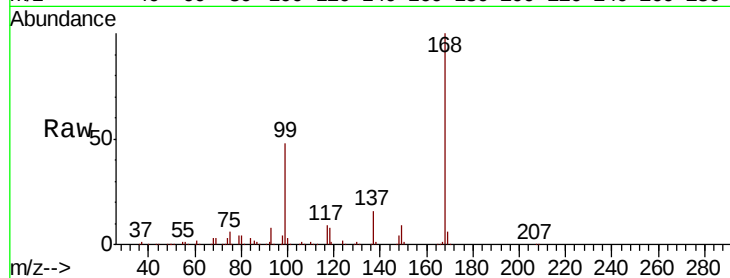
MW-26(18-20)

Tot Ion:168 Resp: 262518

Ion Ratio Lower Upper

168 100

99 47.7 39.5 59.3



Abundance Ion 167.90 (167.60 to 168.60): VY002936.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY002936.D (-983) (-)

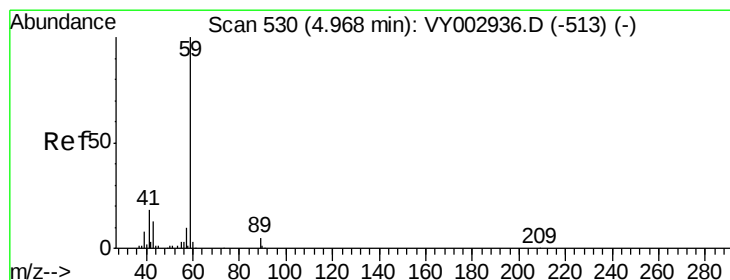
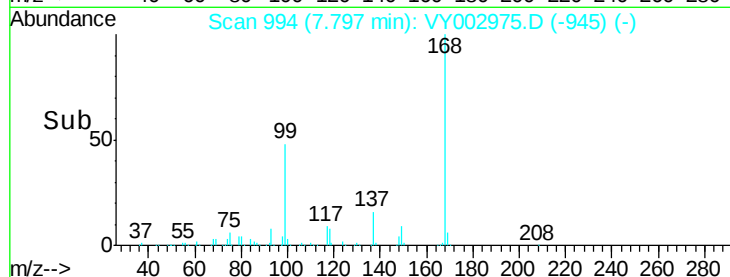
7.80

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.96 min Scan# 528

Delta R.T. -0.01 min

Lab File: VY002975.D

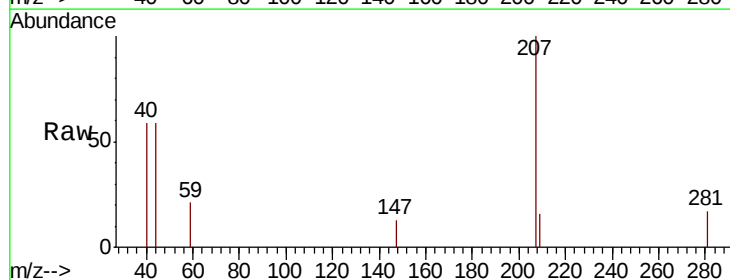
Acq: 22 Jun 2020 15:46

Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY002936.D (-513) (-)

Ion 57.00 (56.70 to 57.70): VY002936.D (-513) (-)

4.96

100

80

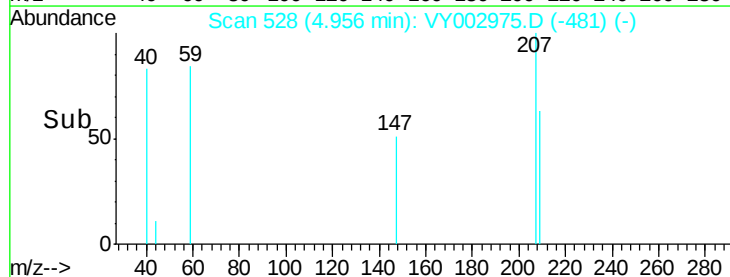
60

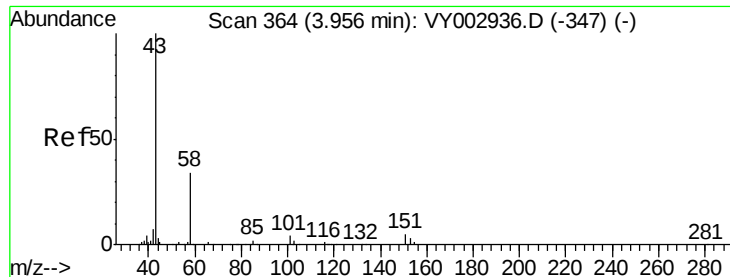
40

20

0

Time-->





#16

Acetone

Concen: 1.713 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VY002975.D

Acq: 22 Jun 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

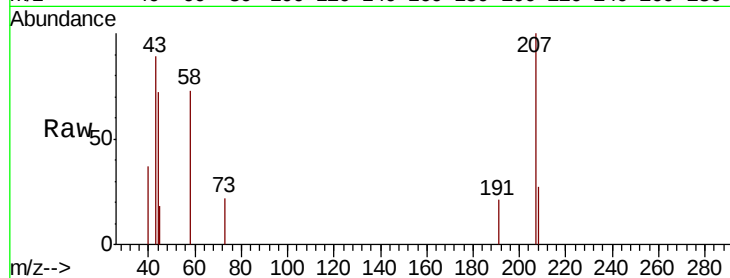
MW-26(18-20)

Tot Ion: 43 Resp: 920

Ion Ratio Lower Upper

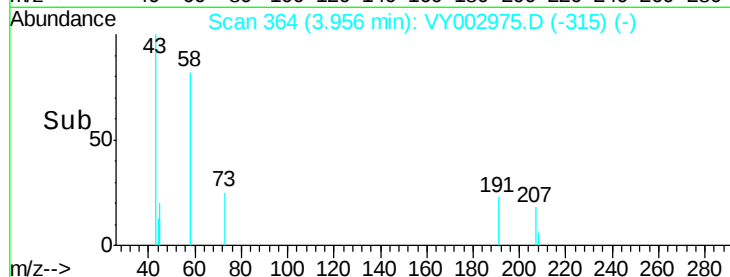
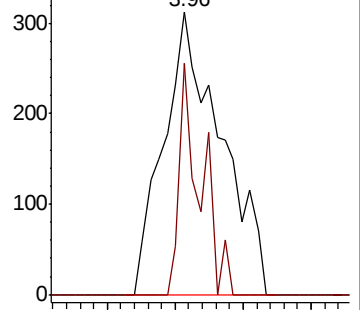
43 100

58 81.8 27.3 40.9#

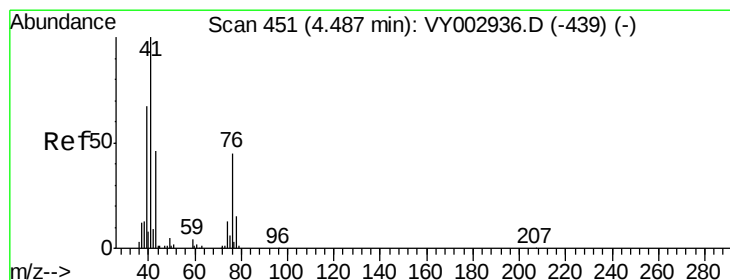


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002975.D

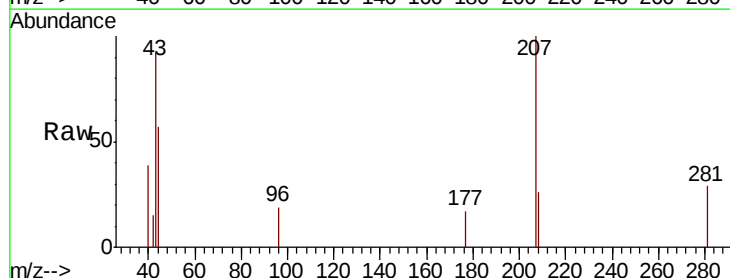
Acq: 22 Jun 2020 15:46

Tgt Ion: 43 Resp: 382

Ion Ratio Lower Upper

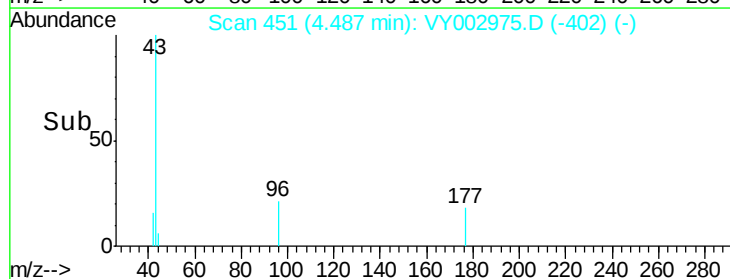
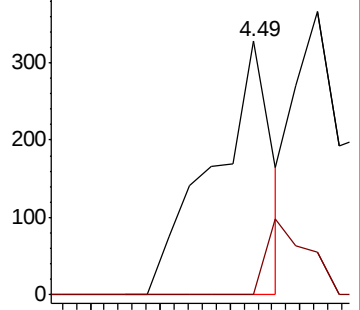
43 100

74 20.7 21.1 31.7#

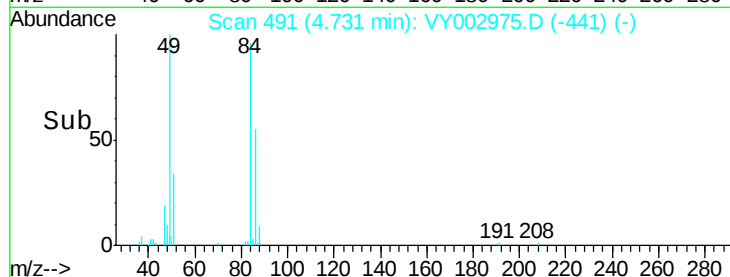
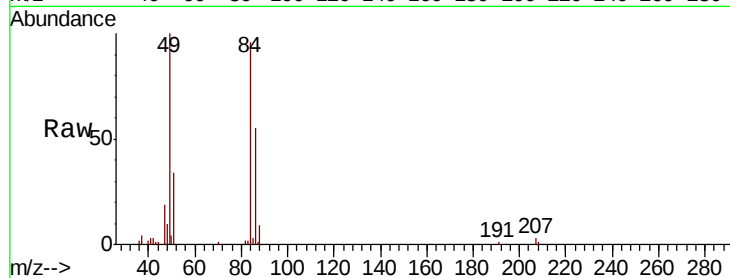
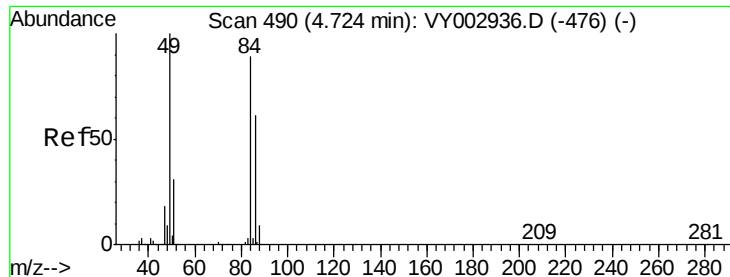


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0



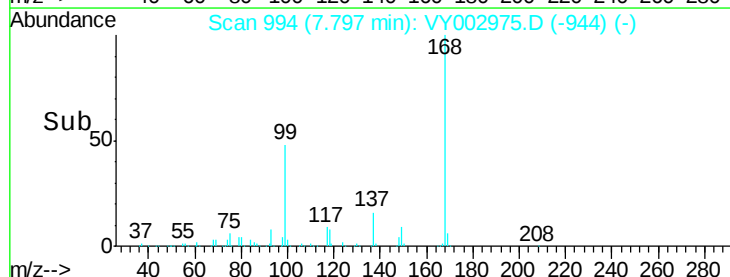
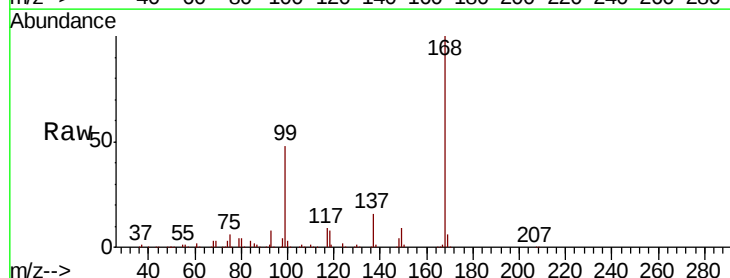
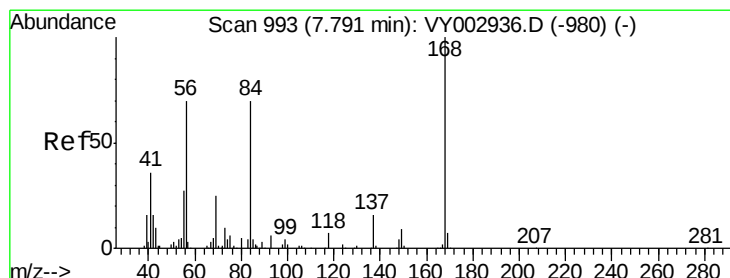
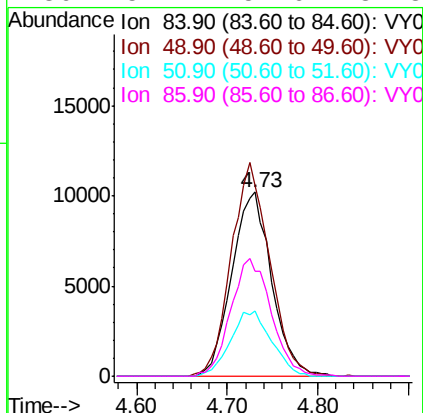
Time-->



#20
Methvlene Chloride
Concen: 6.136 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY002975.D
Acq: 22 Jun 2020 15:46

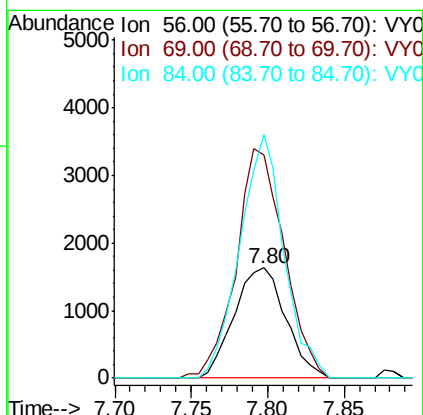
Instrument :
MSVOA_Y
ClientSampleId :
MW-26(18-20)

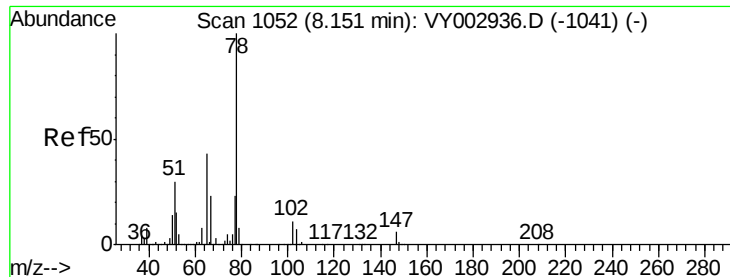
Tot Ion:	84	Resp:	31110
Ion	Ratio	Lower	Upper
84	100		
49	103.9	90.0	135.0
51	35.3	27.9	41.9
86	57.2	54.6	81.8



#31
Cyclohexane
Concen: 1.024 ug/l
RT: 7.80 min Scan# 994
Delta R.T. 0.01 min
Lab File: VY002975.D
Acq: 22 Jun 2020 15:46

Tgt Ion:	56	Resp:	3811
Ion	Ratio	Lower	Upper
56	100		
69	202.1	28.9	43.3#
84	221.2	80.1	120.1#

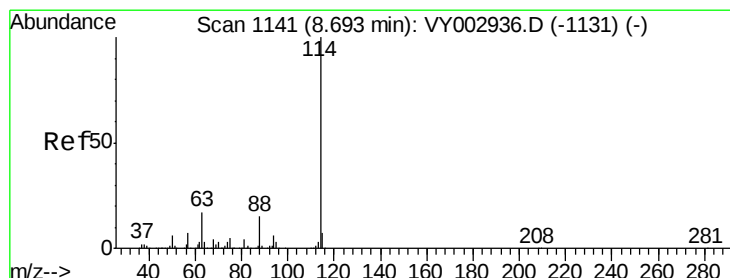
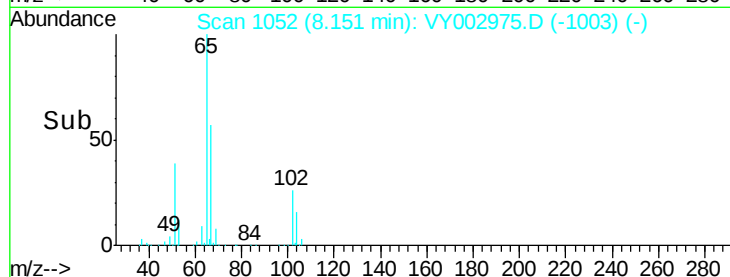
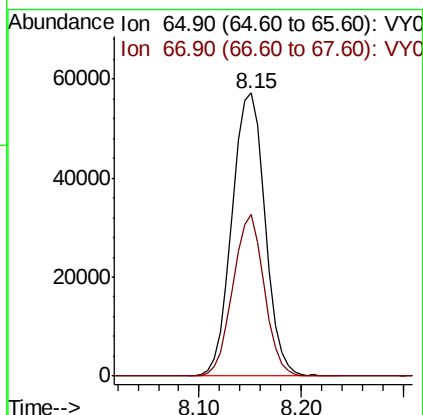
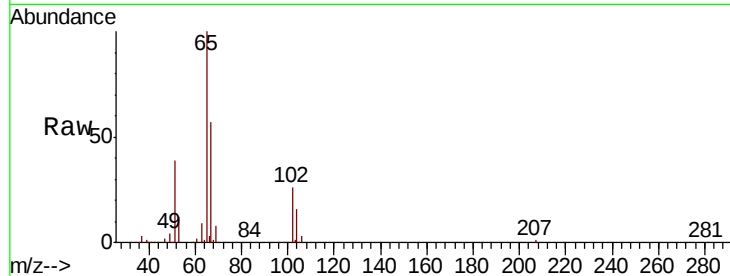




#33
 1,2-Dichloroethane-d4
 Concen: 59.160 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002975.D
 Acq: 22 Jun 2020 15:46

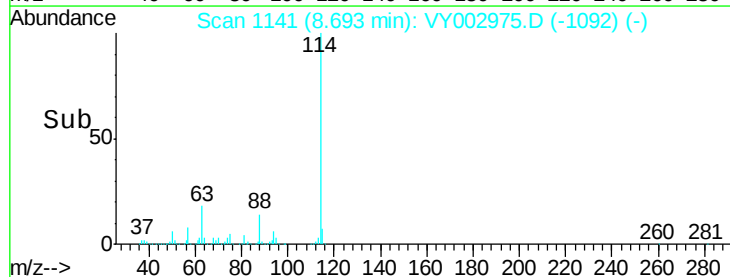
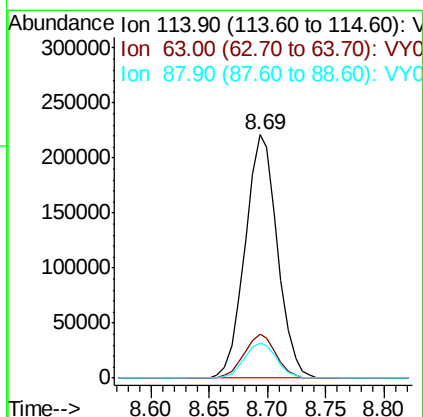
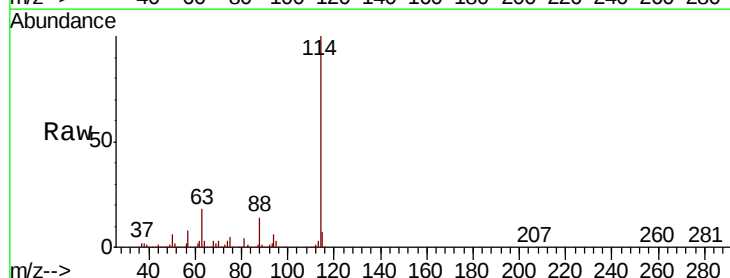
Instrument :
 MSVOA_Y
 ClientSampleId :
 MW-26(18-20)

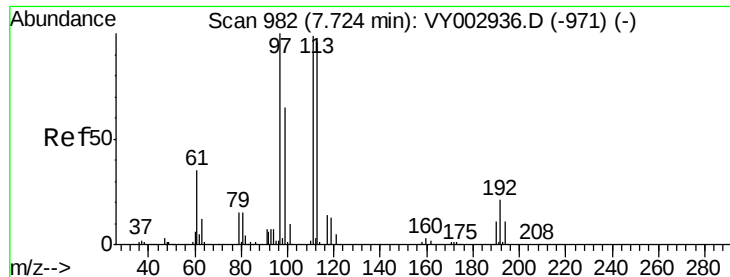
Tot Ion: 65 Resp: 128279
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002975.D
 Acq: 22 Jun 2020 15:46

Tgt Ion: 114 Resp: 425616
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 34.6
 88 14.2 0.0 29.2

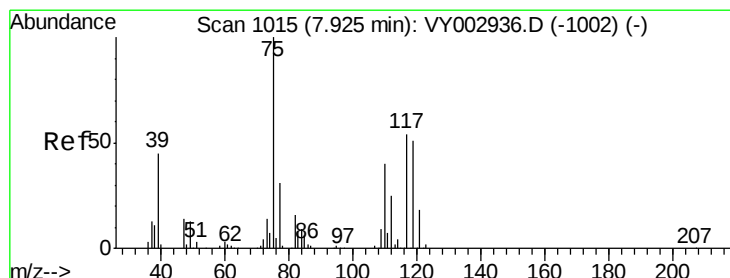
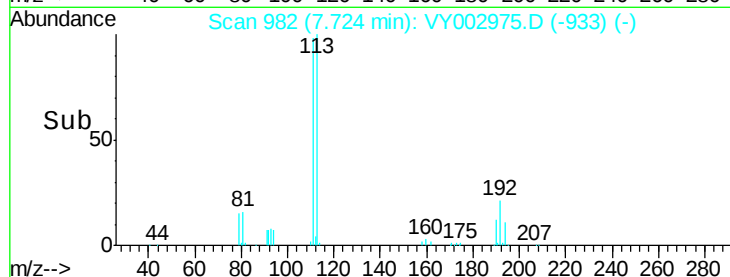
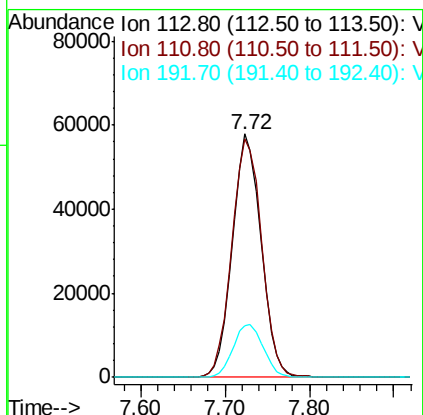
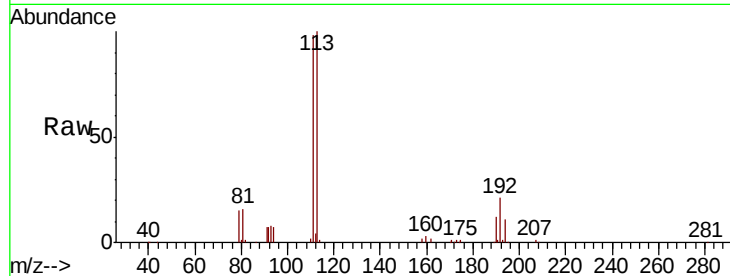




#35
Dibromofluoromethane
Concen: 55.436 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY002975.D
Acq: 22 Jun 2020 15:46

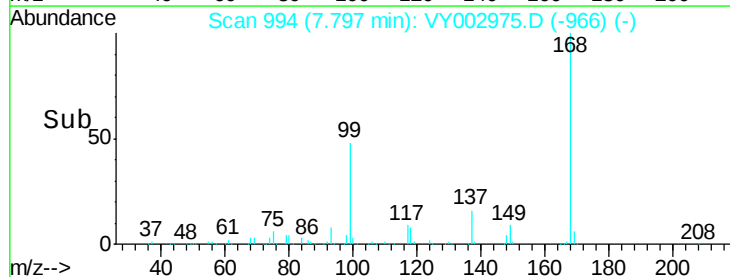
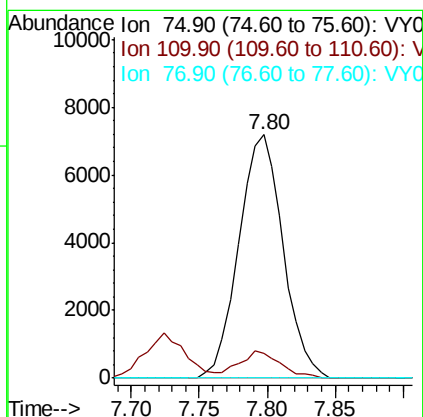
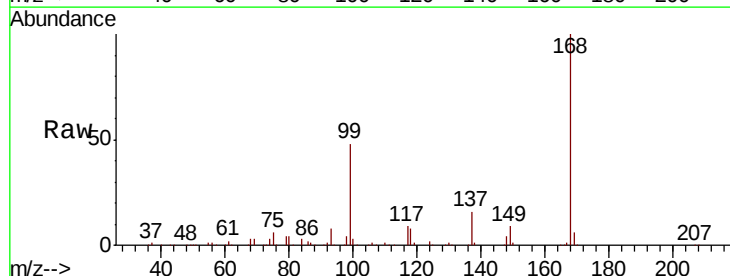
Instrument :
MSVOA_Y
ClientSampleId :
MW-26(18-20)

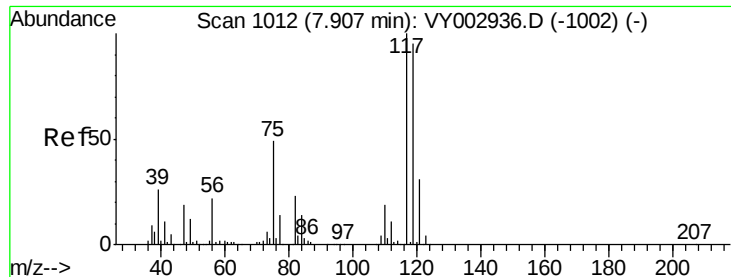
Tot Ion:113 Resp: 133502
Ion Ratio Lower Upper
113 100
111 101.6 81.5 122.3
192 22.6 19.2 28.8



#36
1,1-Dichloropropene
Concen: 4.712 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.13 min
Lab File: VY002975.D
Acq: 22 Jun 2020 15:46

Tgt Ion: 75 Resp: 16287
Ion Ratio Lower Upper
75 100
110 10.1 19.7 59.0#
77 0.0 25.0 37.4#

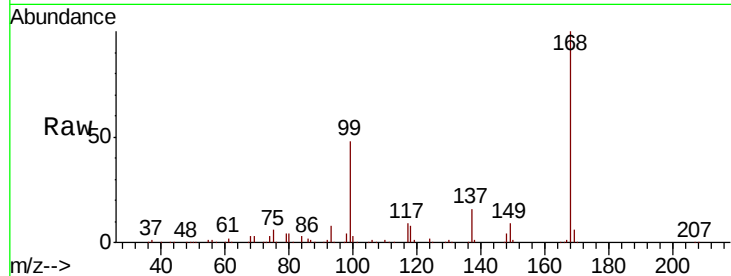




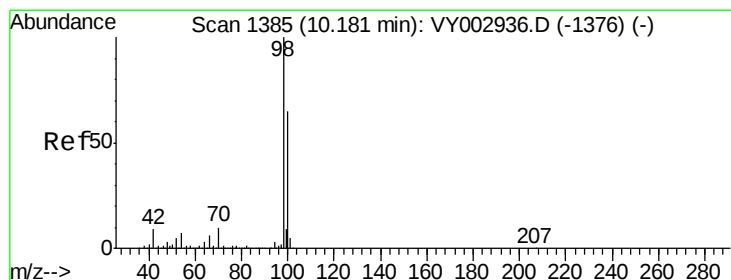
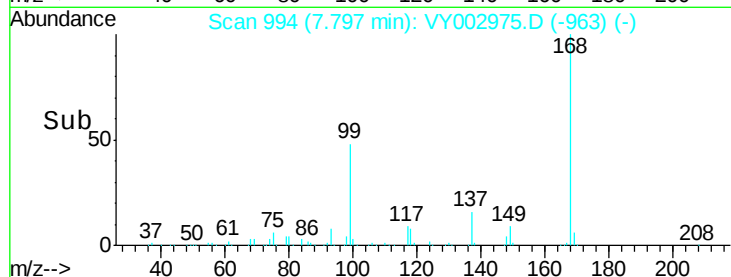
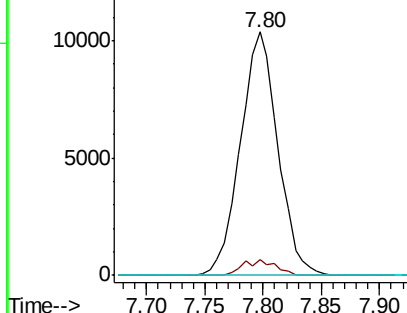
#38
Carbon Tetrachloride
Concen: 6.066 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.11 min
Lab File: VY002975.D
Acq: 22 Jun 2020 15:46

Instrument :
MSVOA_Y
ClientSampled :
MW-26(18-20)

Tot Ion:117 Resp: 23109
Ion Ratio Lower Upper
117 100
119 6.4 76.1 114.1#
121 0.0 24.8 37.2#

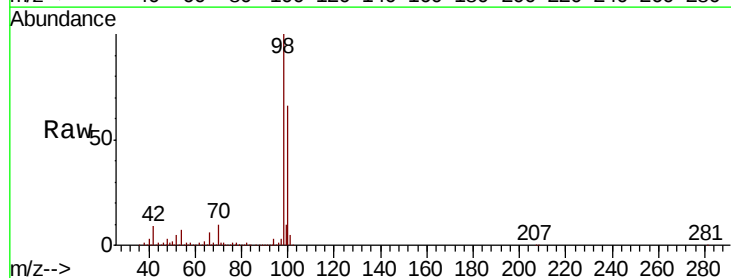


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

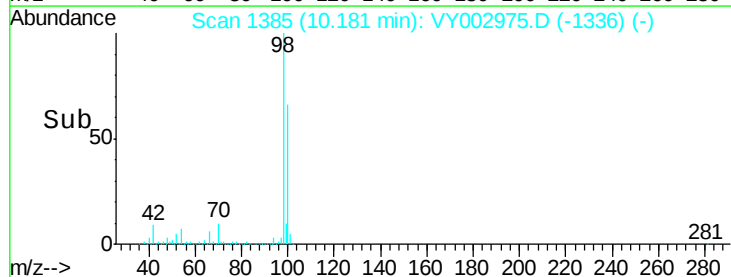
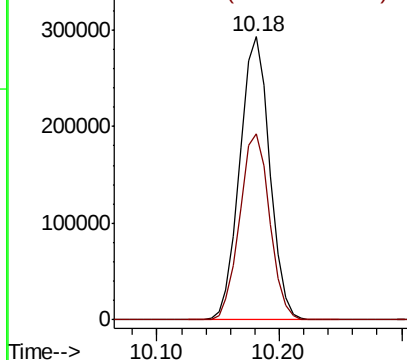


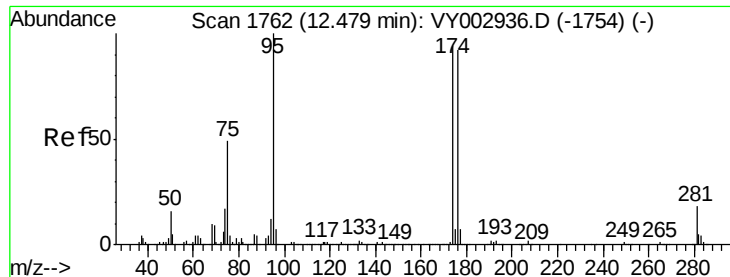
#50
Toluene-d8
Concen: 52.395 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002975.D
Acq: 22 Jun 2020 15:46

Tgt Ion: 98 Resp: 497513
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



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





#62

4-Bromofluorobenzene

Concen: 53.730 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VY002975.D

Acq: 22 Jun 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

MW-26(18-20)

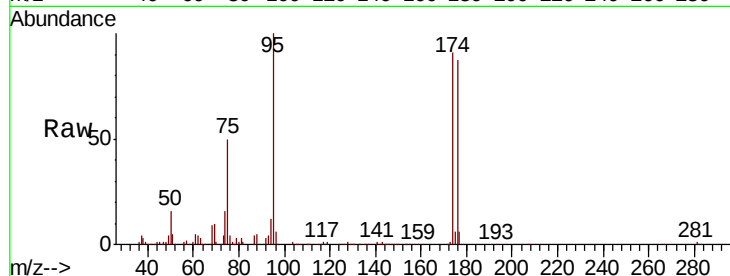
Tot Ion: 95 Resp: 176975

Ion Ratio Lower Upper

95 100

174 93.8 0.0 191.2

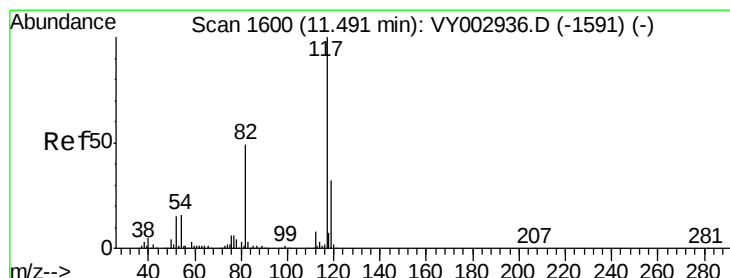
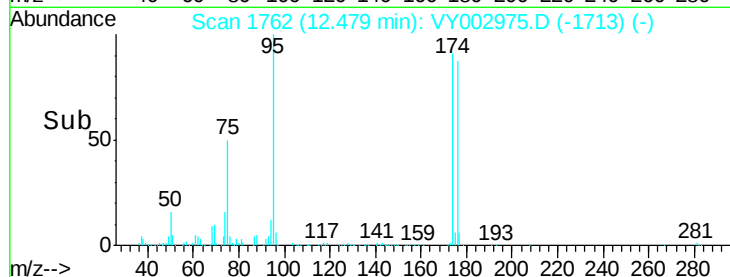
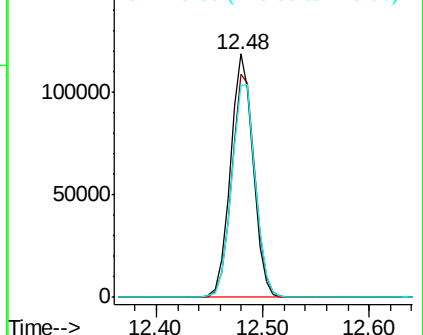
176 91.8 0.0 186.0



Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): VY0

Ion 175.80 (175.50 to 176.50): VY0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.49 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VY002975.D

Acq: 22 Jun 2020 15:46

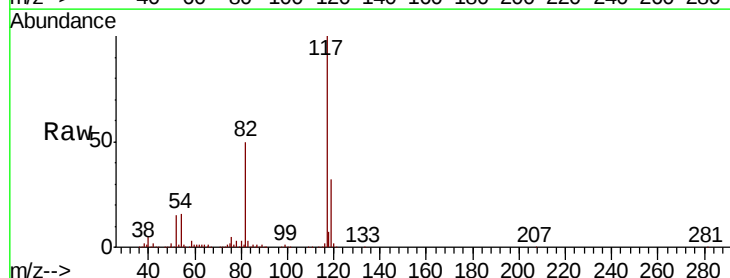
Tgt Ion: 117 Resp: 406906

Ion Ratio Lower Upper

117 100

82 50.1 39.4 59.0

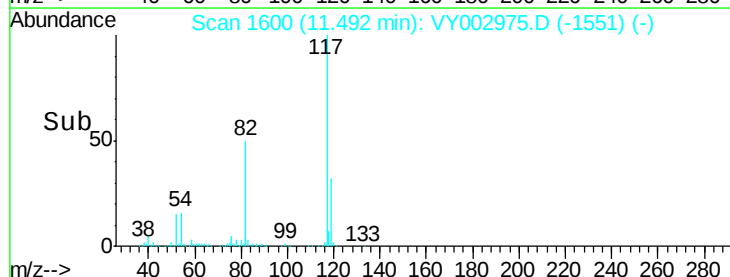
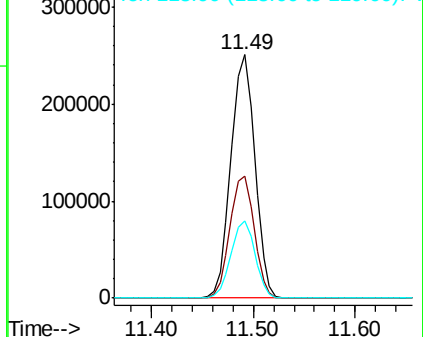
119 31.6 25.4 38.0

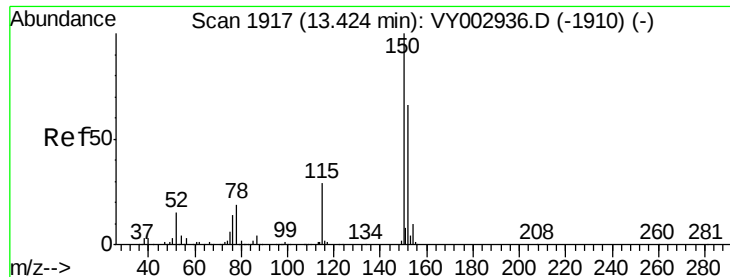


Abundance Ion 116.90 (116.60 to 117.60): VY0

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): VY0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002975.D

Acq: 22 Jun 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

MW-26(18-20)

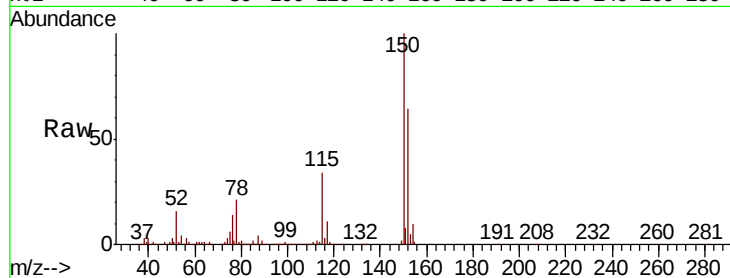
Tot Ion:152 Resp: 208815

Ion Ratio Lower Upper

152 100

115 53.9 26.9 80.6

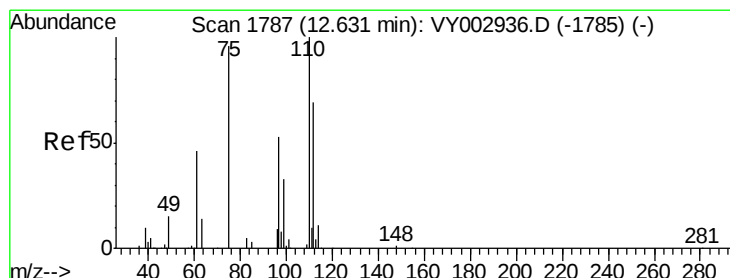
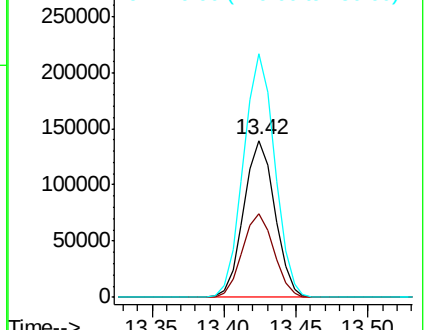
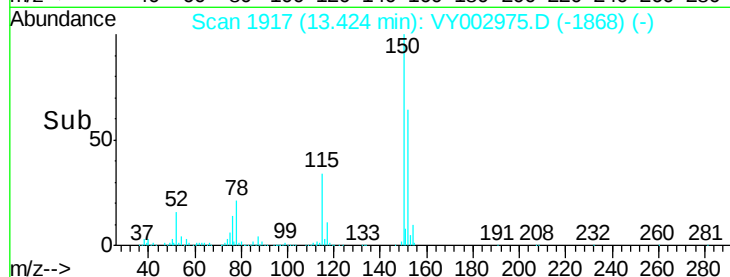
150 156.5 0.0 341.8



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: 46.454 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.15 min

Lab File: VY002975.D

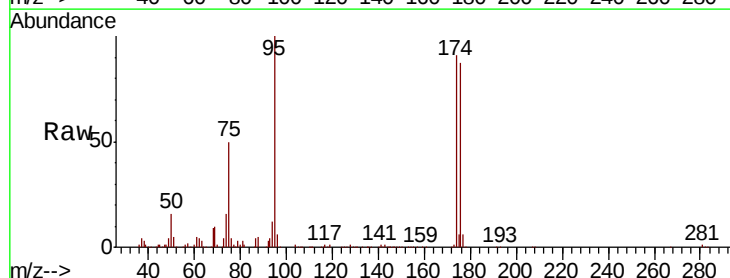
Acq: 22 Jun 2020 15:46

Tgt Ion: 75 Resp: 84479

Ion Ratio Lower Upper

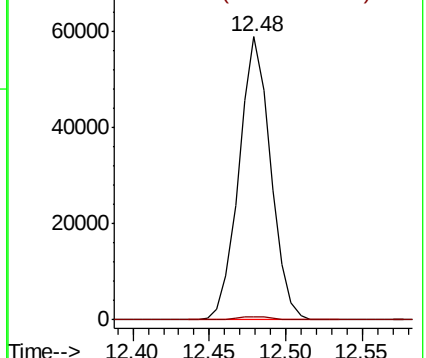
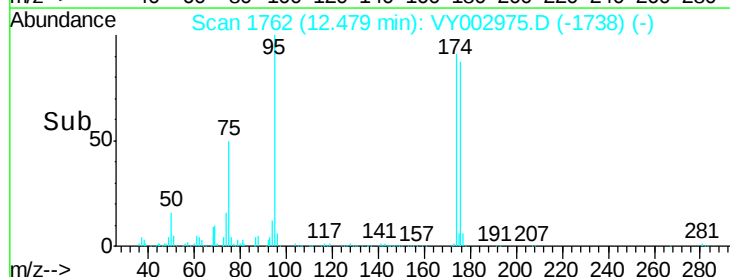
75 100

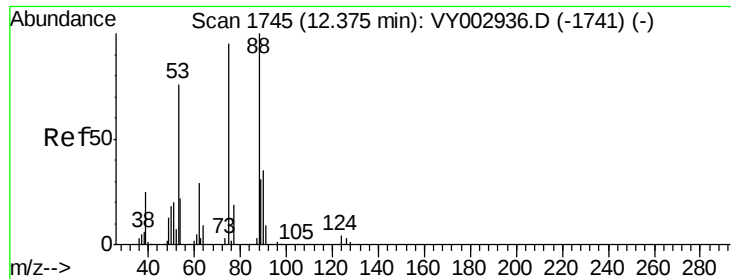
77 1.3 0.0 0.0#



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: 88.689 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. 0.10 min

Lab File: VY002975.D

Acq: 22 Jun 2020 15:46

Instrument :

MSVOA_Y

ClientSampleId :

MW-26(18-20)

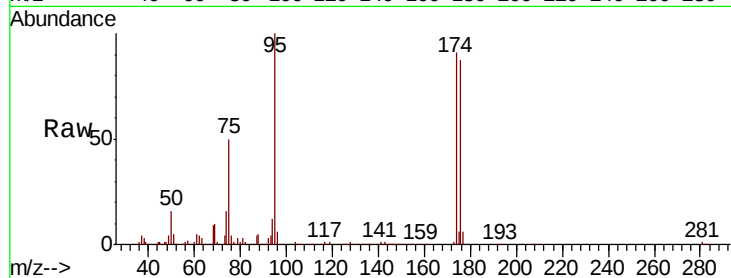
Tot Ion: 75 Resp: 84479

Ion Ratio Lower Upper

75 100

53 0.0 65.1 97.7#

89 0.0 38.4 57.6#



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

